CONNECTICUT.

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GENERAL STATISTICS.

General character of the state.—Connecticut is one of the original thirteen states. With a gross area of 4,965 square miles, of which 4,820 represent land surface, it ranks forty-sixth in size among the states. Its inhabitants in 1900 numbered 908,420, and in 1910, 1,114,756; and its estimated population in 1914 was 1,202,688.

In total population Connecticut ranked thirty-first among the states in 1910; but in density of population it ranked fifth, with 231.3 inhabitants per square mile, the corresponding figure for 1900 being 188.5.

The urban population in 1910—that is, the population residing in incorporated places having 2,500 inhabitants or more—was 999,839, or 89.7 per cent of the total, as against 87.2 per cent in 1900. There were in the state in 1914, 17 cities and boroughs each having an estimated population of 10,000 or more. These cities and boroughs, whose aggregate population in that year formed 61.1 per cent of the estimated total population of Connecticut, reported 71.6 per cent of the value of the state's manufactured products.

The steam-railway mileage in 1914 was 999, and the electric-railway mileage in 1912 was 963. The Connecticut River is navigable as far as Hartford, the Thames as far as Norwich, and the Housatonic for a short distance. Numerous good harbors on Long Island Sound afford facilities for coastwise commerce.

The total value of farm crops grown in the state in 1909 was $22,487,999. Of this sum, $4,415,948 was contributed by tobacco, in the production of which crop Connecticut ranked eighth among the states in that year.

Importance and growth of manufactures.—Connecticut's manufactured products in 1914 were valued at $545,471,517, and the average number of wage earners employed in manufacturing industries was 226,264. In that year Connecticut ranked twelfth among the states in the former respect and eighth in the latter. The output of manufactured products in the state in 1914 represented 2.2 per cent of the total for the United States, as measured by value; the corresponding proportions for 1909 and 1904 being 2.4 per cent and 2.5 per cent, respectively. The per capita value of products for the state in 1914 amounted to $454, as against $440 in 1909. The corresponding per capita figures for continental United States were $245 and $225, respectively.

Table 1 summarizes the more important data relative to all classes of manufactures combined in the state, for the censuses of 1914, 1909, 1904, and 1899, and gives percentages of increase from census to census.

For 1914 there were reported from the state of Connecticut 4,104 manufacturing establishments operating under the factory system, which gave employment to 254,499 persons during the year and paid out $160,731,359 in salaries and wages. Of the persons employed, 226,264 were wage earners. These establishments turned out products to the value of $545,471,517, to produce which materials costing $288,510,886 were consumed. The value added by the manufacturing processes was thus $256,960,631, which figure, as stated in the "Explanation of terms," best represents the net wealth created by manufacturing operations during the year.

Table 1

	Manufacturing industries.				Per cent of increase.[1]		
	1914	1909	1904	1899	1909–1914	1904–1909	1899–1904
Number of establishments	4,104	4,251	3,477	3,382	−3.5	22.3	2.8
Persons engaged	254,499	233,871	193,046	(2)	8.8	18.1	.....
Proprietors and firm members	3,123	3,468	2,918	(2)	−9.9	18.8	.....
Salaried employees	25,112	19,611	13,523	9,258	28.1	45.0	46.1
Wage earners (average number)	226,264	210,792	181,605	159,733	7.3	16.1	13.7
Primary horsepower	453,812	400,275	301,204	256,331	13.4	31.6	18.7
Capital	$620,194,294	$517,546,554	$373,283,580	$299,206,925	19.8	38.6	24.8
Salaries and wages	160,731,359	135,756,351	104,982,979	85,149,341	18.4	29.3	23.3
Salaries	35,511,499	25,637,306	17,040,351	11,755,279	38.5	50.5	45.0
Wages	125,219,860	110,119,045	87,942,628	73,394,062	13.7	25.2	19.8
Paid for contract work	2,059,176	1,279,258	1,392,515	(2)	61.0	−8.1	.....
Rent and taxes (including internal revenue)	7,161,619	4,618,988	[3] 2,660,218	(2)	55.0	.....	.....
Cost of materials	288,510,886	257,259,393	191,301,881	169,671,648	12.1	34.5	12.7
Value of products	545,471,517	490,271,695	369,082,091	315,106,150	11.3	32.8	17.1
Value added by manufacture (value of products less cost of materials)	256,960,631	233,012,302	177,780,210	145,434,502	10.3	31.1	22.2

[1] A minus sign (−) denotes decrease. [2] Figures not available. [3] Exclusive of internal revenue.

In general, Table 1 brings out the fact that the manufacturing industries of Connecticut as a whole developed much less rapidly during the period 1909–1914 than during the preceding five-year period. During the later period a decrease of 3.5 per cent in number of establishments was accompanied by increases of 7.3 per cent in average number of wage earners, 11.3 per cent in value of products, and 10.3 per cent in value added by manufacture. During the earlier semidecade the number of establishments increased 22.3 per cent, the average number of wag earners 16.1 per cent, the value of products 32.8 per cent, and the value added by manufacture 31.: per cent. The increases in these items for the entir ten-year period 1904–1914 were 18, 24.6, 47.8, an 44.5 per cent, respectively.

Table 2 shows the relative importance of the leadin manufacturing industries in 1914, and gives pe centages of increase for the three five-year periods fro 1899 to 1914.

Table 2

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	18 19
All industries	4,104	226,264	100.0	$545,471,517	100.0	$256,960,631	100.0	7.3	16.1	13.7	11.3	32.8	17.1	10.3	31.1	2
Brass, bronze, and copper products	67	16,781	7.4	69,353,103	12.7	15,467,331	6.0	−0.2	9.3	20.7	3.6	24.1	9.9	−18.9	19.2	
Foundry and machine-shop products	388	39,369	17.4	67,009,127	12.3	41,858,169	16.3	4.3	26.5	10.3	2.2	46.2	12.0	2.8	38.2	
Cotton goods, including cotton small wares.	50	15,466	6.8	30,808,918	5.6	13,474,040	5.2	7.7	9.5	−0.6	27.1	31.5	19.0	9.8	49.3	
Silk goods, including throwsters	44	10,668	4.7	30,591,825	5.6	12,185,573	4.7	22.6	11.7	19.6	45.2	34.8	26.2	32.0	41.4	
Firearms and ammunition	13	10,863	4.8	25,657,797	4.7	13,960,402	5.4	27.3	10.9	45.8	28.6	12.3	57.2	41.3	4.6	
Woolen, worsted, and felt goods	53	7,350	3.2	17,128,975	3.1	6,365,465	2.5	−5.6	4.8	8.2	−11.5	25.1	22.5	−2.5	20.6	
Silverware and plated ware	33	6,465	2.9	15,238,821	2.8	7,857,204	3.1	3.9	61.5	−14.2	−3.8	94.9	−14.8	−8.7	91.8	−
Electrical machinery, apparatus, and supplies.	43	5,059	2.2	14,330,156	2.6	6,894,026	2.7	44.3	105.3	77.6	45.9	98.9	55.9	49.4	111.0	
Corsets	21	7,298	3.2	12,935,805	2.4	5,361,242	2.1	9.9	50.6	−23.3	0.9	129.2	−18.3	−12.7	111.2	−
Cutlery and tools, not elsewhere specified.	76	7,568	3.3	11,541,307	2.1	7,573,158	3.0	0.3	31.2	26.7	7.7	28.6	39.5	2.2	34.5	
Rubber goods, not elsewhere specified	18	2,485	1.1	10,187,757	1.9	4,542,915	1.8	17.5	−32.7	4.6	−7.4	24.1	7.5	17.1	10.0	
Hats, fur-felt	58	5,461	2.4	9,475,778	1.7	4,842,504	1.9	4.7	1.1	6.0	−8.9	20.0	14.8	−12.8	17.9	
Automobiles, including bodies and parts.	28	2,223	1.0	8,050,692	1.5	4,281,531	1.7	−41.7	258.2	.....	−31.0	341.3	.....	−37.1	360.0	..
Bread and other bakery products	467	2,014	0.9	8,005,138	1.5	3,344,158	1.3	7.8	6.7	8.6	9.5	23.9	13.2	17.5	16.1	
Clocks and watches, including cases and materials.	15	6,599	2.9	7,927,011	1.5	5,497,634	2.1	12.8	1.5	45.7	7.3	4.7	53.6	3.9	7.0	
Printing and publishing	364	2,838	1.3	7,712,615	1.4	5,517,400	2.2	−1.4	13.8	15.2	21.1	25.7	23.1	19.9	21.4	
Typewriters and supplies	7	4,662	2.1	7,178,293	1.3	5,717,078	2.2	58.9	94.7	117.5	78.7	145.3	108.8	92.2	132.1	
Lumber and timber products	295	2,356	1.0	6,966,352	1.3	3,200,903	1.3	−32.6	65.7	2.2	−11.2	63.7	13.2	−18.5	69.8	
Furnishing goods, men's	17	3,142	1.4	6,434,933	1.2	2,345,723	0.9	37.7	.....	.....	63.4	.....	.....	35.5	.....	
Paper and wood pulp	44	1,898	0.8	5,968,797	1.1	1,961,803	0.8	10.3	−1.7	22.8	8.0	9.7	41.3	−11.8	−3.3	
Musical instruments, pianos and organs, and materials.	19	2,267	1.0	5,229,954	1.0	2,659,457	1.0	−1.6	−10.8	38.6	−5.6	5.0	55.3	5.7	−12.4	
Hosiery and knit goods	25	2,904	1.3	5,221,683	1.0	2,495,112	1.0	−13.1	−7.1	10.8	−10.0	8.0	32.8	−9.3	8.1	
Slaughtering and meat packing	26	463	0.2	5,216,272	1.0	661,060	0.3	7.2	16.4	−7.9	14.1	42.1	−16.1	6.1	52.3	
Needles, pins, and hooks and eyes	12	3,068	1.4	5,108,556	0.9	2,769,103	1.1	15.9	13.8	85.2	20.6	38.3	68.7	9.1	35.1	
Liquors, malt	18	539	0.2	5,029,541	0.9	3,337,439	1.3	13.5	20.6	14.5	13.6	51.2	10.3	9.4	44.7	
Gas, illuminating and heating	27	1,209	0.5	4,745,720	0.9	3,274,687	1.3	30.6	44.7	80.8	37.7	34.7	80.0	34.2	40.9	
Iron and steel forgings, not made in steel works or rolling mills.	17	1,573	0.7	4,559,897	0.8	2,677,319	1.0	344.4	1.4	.....	547.7	17.9	.....	588.2	9.9	
Gas and electric fixtures, and lamps	16	2,391	1.1	4,076,227	0.7	2,403,259	0.9	6.3	.....	.....	1.3	.....	.....	−10.8	.....	
Copper, tin, and sheet-iron products	65	2,465	1.1	3,818,012	0.7	2,137,996	0.8	−0.4	14.1	28.9	5.9	33.1	36.5	4.9	23.1	
House furnishing goods	5	1,233	0.5	3,818,969	0.7	1,375,556	0.5	.....	.....	.....	.....	.....	.....	.....	.....	
Boxes, fancy and paper	42	2,196	1.0	3,741,735	0.7	1,922,893	0.7	18.8	−9.0	24.5	28.5	5.2	34.6	26.1	14.1	
Dyeing and finishing textiles	12	1,764	0.8	3,503,139	0.6	2,048,153	0.8	2.6	22.3	8.2	−1.7	60.8	−2.4	−1.6	61.6	
Tobacco manufactures	256	1,570	0.7	3,149,301	0.6	1,934,142	0.8	3.8	19.4	22.8	15.0	16.5	32.3	15.5	11.7	
Screws, wood	4	2,266	1.0	2,842,798	0.5	1,841,540	0.7	.....	.....	.....	.....	.....	.....	.....	.....	
Clothing, men's, including shirts	28	1,305	0.6	2,628,149	0.5	1,308,336	0.5	73.8	−21.1	5.0	93.0	−5.6	56.8	105.7	−10.4	
Patent medicines and compounds, and druggists' preparations.	43	327	0.1	2,062,727	0.4	1,298,804	0.5	38.0	62.3	−49.0	53.7	31.2	−27.0	52.1	16.5	
Paper goods, not elsewhere specified	10	762	0.3	1,993,700	0.4	948,156	0.4	20.6	−14.9	26.1	31.1	−27.1	40.8	48.6	−1.7	
Fertilizers	10	329	0.1	1,971,991	0.4	494,779	0.2	11.5	−4.8	133.1	25.4	66.8	141.2	2.7	15.3	
Boots and shoes	9	567	0.3	1,957,709	0.4	619,649	0.2	9.0	4.2	30.6	18.1	25.7	−13.1	8.8	14.2	
Flour-mill and gristmill products	85	113	0.1	1,881,481	0.3	250,665	0.1	−22.1	−13.2	−1.8	−7.1	2.1	16.6	−14.7	0.3	
Soap	7	258	0.1	1,672,123	0.3	901,260	0.4	−0.8	28.1	31.0	9.4	44.0	12.8	13.2	25.8	
Shipbuilding, including boat building	37	514	0.2	1,665,293	0.3	1,323,092	0.5	20.4	−78.6	118.4	124.4	−83.7	271.6	209.8	−75.6	
Fancy articles, not elsewhere specified	12	521	0.2	1,615,381	0.3	723,415	0.3	31.2	36.0	29.2	121.2	53.0	32.1	135.5	26.3	
Clothing, women's	19	1,337	0.6	1,596,888	0.3	896,628	0.3	−3.3	59.6	75.3	−6.9	56.3	78.5	−2.3	62.8	
Hat and cap materials	15	400	0.2	1,593,895	0.3	310,251	0.1	−16.3	31.0	22.5	5.7	82.6	40.5	−61.5	107.2	
Buttons	18	1,063	0.5	1,498,002	0.3	884,694	0.3	0.6	1.2	30.5	−8.4	13.1	33.0	−1.7	6.3	
Wirework, including wire rope and cable.	20	646	0.3	1,329,713	0.2	667,064	0.3	−54.5	12.6	59.4	−60.2	28.7	103.7	−60.7	25.6	
Blacking and cleansing and polishing preparations.	19	173	0.1	1,316,926	0.2	880,830	0.3	.....	.....	.....	953.6	.....	.....	1,298.4	.....	
Furniture	22	783	0.3	1,156,652	0.2	501,969	0.2	162.8	5.3	36.1	47.2	41.1	13.9	20.1	31.0	
Marble and stone work	80	538	0.2	1,056,846	0.2	703,672	0.3	−31.2	−25.6	24.4	−14.6	−17.4	76.7	−18.8	−20.8	
Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills.	14	606	0.3	1,048,197	0.2	557,495	0.2	−10.4	129.9	−74.7	−11.2	168.2	−66.9	−12.7	155.2	

[1] Percentages are based on figures in Table 35; a minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures be given.

Table 2—Continued.

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904
Toys and games	14	527	0.2	$1,039,705	0.2	$559,424	0.3	54.1	28.6	.....	89.4	113.6	.....	89.1	183.7	.....
Carriages and wagons and materials	84	452	0.2	995,508	0.2	584,896	0.2	−21.8	−61.6	−8.3	−7.5	−51.0	−30.6	−15.7	−50.5	−27.0
Paint and varnish	13	126	0.1	951,241	0.2	537,636	0.2	−46.6	345.3	65.6	−38.4	199.6	28.8	−25.2	237.1	28.3
Confectionery (ice cream)	46	194	0.1	925,048	0.2	494,132	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leather, tanned, curried, and finished	7	185	0.1	905,961	0.2	270,242	0.1	23.3	−11.2	−5.6	−13.5	40.0	−16.0	11.6	18.0	−2.4
Screws, machine	8	571	0.2	906,177	0.2	549,743	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cordage and twine, nets and seines, and linen goods.	13	377	0.2	882,596	0.2	247,627	0.1	31.8	41.6	−17.6	57.4	55.4	26.7	90.8	26.2	−2.8
Hats, straw	3	302	0.1	800,408	0.1	363,007	0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Confectionery	27	227	0.1	783,560	0.1	301,785	0.1	−2.6	5.0	55.2	−36.4	93.9	45.9	−12.2	22.4	26.6
Grease and tallow, not including lubricating greases.	9	166	0.1	798,271	0.1	254,017	0.1	−7.3	101.1	.....	(2)	53.8	.....	−26.4	213.6	.....
Leather goods	15	216	0.1	672,775	0.1	276,977	0.1	−20.6	−3.2	6.0	14.5	8.5	−60.3	7.4	4.9	−41.8
Butter and cheese	24	63	(2)	624,288	0.1	97,137	(2)	−40.0	10.5	−42.8	−16.2	−8.6	−25.5	−20.5	−15.9	−31.6
All other industries	748	26,143	11.6	74,575,302	13.7	35,267,274	13.7	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 35; a minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures can not be given.
[2] Less than one-tenth of 1 per cent.

Separate statistics are presented for 63 industries, or industry groups, for each of which products valued at more than $600,000 were reported for 1914. These industries include 2 with products exceeding $60,000,000 in value; 2 with products between $30,000,000 and $40,000,000; 7 with products between $10,000,000 and $30,000,000; 14 with products between $5,000,000 and $10,000,000; 27 with products between $1,000,000 and $5,000,000; and 11 with products valued at less than $1,000,000.

Among those included under the head of "all other industries" are a number which have products exceeding in value some for which figures are shown in the table, the statistics for which can not be shown separately without the possibility of disclosing the operations of individual establishments. These industries are: Artists' materials; belting, leather; boots and shoes, rubber; brick; carpets and rugs, other than rag; cars and general shop construction and repairs by steam-railroad companies; chocolate and cocoa products; dental goods; dyestuffs and extracts; gold and silver, reducing and refining, not from the ore; instruments, professional and scientific; iron and steel, steel works and rolling mills; iron and steel, nails and spikes, cut and wrought, including wire nails; motorcycles, bicycles, and parts; phonographs and graphophones; sewing machines and attachments; upholstering materials, not elsewhere specified; and wire. The reducing and refining of gold, not from the ore, the manufacture of carpets and rugs, and phonographs and graphophones, in each of which Connecticut occupies a leading position, are the most important of these industries.

Although a few industries greatly predominate, it will be seen from Table 2 that there is, on the whole, considerable diversity in the manufactures of the state. The leading industries differ to rather a pronounced extent in their rank by value of products and their rank according to value added by manufacture. In fact, of the first 10 industries shown separately in the table, the manufacture of electrical machinery, apparatus, and supplies is the only one which, for 1914, holds the same position (eighth) when measured by value added by manufacture as when measured by value of products. In 1909 this industry ranked twelfth in value of products but thirteenth in value added by manufacture. The manufacture of brass, bronze, and copper products was first in value of products but second in value added by manufacture in both 1914 and 1909. The foundry and machine-shop industry was second in value of products but first in value added in both years. In 1914 the cotton-goods industry ranked third in value of products but fourth in value added by manufacture; the manufacture of firearms and ammunition, fifth in value of products but third in value added by manufacture; the silk industry, fourth in value of products and fifth in value added by manufacture; the woolen and worsted goods industry, sixth in value of products but ninth in value added by manufacture; the silverware and plated ware industry, seventh in value of products but sixth in value added by manufacture; the manufacture of corsets, ninth in value of products but thirteenth in value added by manufacture; and the manufacture of cutlery and tools, not elsewhere specified, tenth in value of products but seventh in value added by manufacture.

The greatest rate of increase for the period 1909-1914 in average number of wage earners—344.4 per cent—is shown for the manufacture of iron and steel forgings, not made in steel works or rolling mills. This industry, however, ranked only twenty-seventh in value of products among the industries of the state in 1914.

The greatest rates of decrease between 1909 and 1914 in average number of wage earners and in value of products—54.5 and 60.2 per cent, respectively—appear for the manufacture of wirework; and the greatest rate

of decrease in value added by manufacture—61.5 per cent—was reported for the manufacture of hat and cap materials.

The most important industries shown in Table 2, in which they are arranged according to value of products, may be considered briefly.

Textiles.—These industries, taken as a group, ranked above any single industry in the state in value of products in 1914 and stood second only to the manufacture of foundry and machine-shop products in number of wage earners.

The following statement gives the relative importance of the five industries shown as the textile group. Carpets and rugs are not included in this presentation, because to present the figures would disclose operations of individual establishments.

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.
The textile industries, total	185	36,765	100.0	$84,633,997	100.0	$34,767,817	100.0
Cotton goods, including cotton small wares	50	15,466	42.1	30,808,918	36.4	13,474,040	38.8
Silk goods, including throwsters	44	10,668	29.0	30,591,825	36.1	12,185,573	35.0
Woolen, worsted, and felt goods	53	7,350	20.0	17,128,975	20.2	6,365,465	18.3
Hosiery and knit goods	25	2,904	7.9	5,221,683	6.2	2,495,112	7.2
Cordage and twine, nets and seines, and linen goods	13	377	1.0	882,596	1.0	247,627	0.7

The textile group gave employment during 1914 to an average of 36,765 wage earners and reported products valued at $84,633,997, these figures representing 16.2 per cent and 15.5 per cent, respectively, of the totals for all industries in the state. The corresponding percentages for 1909 were 16.3 and 14.4, respectively. Of the total value of products for these five textile industries, 36.4 per cent was contributed by the cotton mills, 36.1 per cent by the silk mills, 20.2 per cent by the woolen and worsted mills, 6.2 per cent by the hosiery and knitting mills, and 1 per cent by establishments manufacturing cordage and twine, nets and seines, and linen goods.

Brass, bronze, and copper products.—This industry, measured by value of products, which in 1914 constituted 12.7 per cent of the total value for all industries in the state, outranked all others in that year. Rolled brass and copper and brass ware, in the manufacture of which Connecticut has been prominent for years, form the greater portion of the products. At the census of 1914, as in 1909, Connecticut ranked first among the states in value of brass, bronze, and copper products, with 42.8 per cent of the total for the United States, a proportion slightly less than in 1909, when it was 44.6 per cent.

Foundry and machine-shop products.—This industry was by far the most important in the state in 1914, as measured by value added by manufacture and by number of wage earners employed, and in value of products was a close second to the brass, bronze, and copper industry. In the foundry and machine-shop industry Connecticut ranked ninth among the states in 1914 and sixth in 1909. Its rank in some of the industries which make up this composite classification is still higher, the state leading all others for many years in the manufacture of hardware, one of the industries included. The hardware products made in Connecticut in 1914 were valued at $28,808,363, or 39.3 per cent of the total for the United States as a whole.

Some of the largest establishments were engaged in the manufacture of textile and metal-working machinery, of which many fine grades were made.

Firearms and ammunition.—Connecticut ranked first among the states in the manufacture of these products in both 1914 and 1909. The value of output of this industry in the state increased 28.6 per cent during the five-year period. Of ammunition alone Connecticut reported a value of $21,716,557 for 1914, or 70.4 per cent of the total for the United States, which was $30,840,427, and of firearms alone the output of Connecticut in that year was valued at $3,941,240, or 37.4 per cent of the total for the United States, which was $10,543,753. The principal cities manufacturing ammunition are New Haven and Bridgeport; those manufacturing firearms, New Haven and Hartford. Large values for safety fuses were returned from Simsbury and Avon, and considerable values for firearms from Norwich and Meriden. It should be borne in mind that the census year terminated before the foreign demand for firearms and ammunition had assumed large proportions.

Silverware and plated ware.—In 1914 the products of this industry in Connecticut represented nearly 40 per cent of the total value for the country. In plated ware alone the state led all others with 64.6 per cent of the total value of products for the United States. Meriden is the great center of the industry, next in importance are Wallingford, Bridgeport, and Bristol, in the order named.

Electrical machinery, apparatus, and supplies.—The growth of this industry in Connecticut has been notable—an increase of 45.9 per cent in value of products during the last semidecade covered by the figures. It rose from twelfth place among the industries of the state in 1909, with 2 per cent of the total value of products, to eighth place in 1914, with 2.6 per cent of the total value of products.

Corsets.—Connecticut ranked first among the states in this industry in both 1914 and 1909. The lead, however, was not so pronounced in the later year as in the earlier, the proportion of the total value of products being 31.9 per cent in 1914, as against 38.5 per cent in 1909.

Cutlery and tools, not elsewhere specified.—This industry comprises the manufacture of cutlery and edge

tools and of tools not elsewhere specified. Connecticut ranked second among the states in the industry as a whole in both 1914 and 1909, with 19.4 per cent of the total value of products for the United States in the later year, as against 20.1 per cent in the earlier year. The percentage of increase during the period 1909–1914 was only a little more than one-fourth as great as that for the preceding five-year period. In the manufacture of cutlery and edge tools alone the state ranked first in both 1914 and 1909, with 28.8 per cent of the total value of products for the United States in the later year and 29.4 per cent in the earlier year; and in the production of tools, not elsewhere specified, it ranked fourth in each year, with 12.3 per cent of the total for the country in 1914.

Rubber goods, not elsewhere specified.—In this industry the state ranked sixth in value of products in 1914, with 4.6 per cent of the total for the United States, and fourth in 1909, with 8.6 per cent of the total for the country. Pennsylvania took fourth place and New York fifth in 1914, the latter state, by a very slight margin, taking precedence over Connecticut.

Establishments included under this title represent a number of industries producing a miscellaneous production of rubber goods, among the most important in Connecticut being tires and inner tubes, rubber cloth, plumbers' rubber specialties, and druggists' sundries.

Establishments engaged primarily in the manufacture of rubber boots and shoes and rubber belting and hose are not included under this classification and can not be shown without disclosing individual operations.

Hats, fur-felt.—Connecticut ranked second among the states in value of products of this industry in both 1914 and 1909, with 25.4 per cent of the total for the United States in the later year, as compared with 21.7 per cent in the earlier.

Automobiles, including bodies and parts.—In this industry the state has suffered a decided decrease in value of products from the amount reported for 1909, some of the large factories having gone out of business. In 1914 the output of the automobile industry represented 1.5 per cent of the total value of manufactured products for the state, as compared with 2.4 per cent in 1909. The rank of Connecticut among the states in this industry dropped from fifth in 1909 to tenth in 1914.

Clocks and watches, including cases and materials.—Considering this industry as a whole, Connecticut ranked first among the states in both 1914 and 1909, with 23.2 per cent of the total value of products for the United States in the later year and 21 per cent in the earlier. In the manufacture of clocks alone the state ranked first in both years, with nearly one-half the total value of products for the country in 1914; in the production of watches alone it ranked high also in 1914, but the rank can not be given, as only one establishment was classified under "watches." A considerable value of watches was reported by a number of clock factories in 1914 and a considerable value of clocks by the one watch factory.

Persons engaged in manufacturing industries.—Table 3 shows, for 1914 and 1909, the number of persons engaged in manufactures, distributed by sex, the average number of wage earners being distributed also by age. The sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms."

In 1914 the number of persons engaged in manufactures was 254,499, of whom 226,264, or nearly nine-tenths, were wage earners; 9,149 were proprietors and officials; and 19,086 were clerks and other subordinate salaried employees. Of the wage earners 16 years of age and over, 167,366, or three-fourths, were males, and 54,505, or one-fourth, were females. Figures for the sex and age distribution of wage earners for individual industries will be found in Table 36.

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.				
		Total.	Male.	Female.	Per cent of total.	
					Male.	Female.
All classes	1914	254,499	191,716	62,783	75.3	24.7
	1909	233,871	176,478	57,393	75.5	24.5
Proprietors and officials	1914	9,149	8,847	302	96.7	3.3
	1909	9,030	8,666	364	96.0	4.0
Proprietors and firm members	1914	3,123	2,984	139	95.5	4.5
	1909	3,468	3,311	157	95.5	4.5
Salaried officers of corporations	1914	2,375	2,300	75	96.8	3.2
	1909	2,124	2,088	36	98.3	1.7
Superintendents and managers	1914	3,651	3,563	88	97.6	2.4
	1909	3,438	3,267	171	95.0	5.0
Clerks and other subordinate salaried employees.	1914	19,086	13,287	5,799	69.6	30.4
	1909	14,049	10,153	3,896	72.3	27.7
Wage earners (average number)	1914	226,264	169,582	56,682	74.9	25.1
	1909	210,792	157,659	53,133	74.8	25.2
16 years of age and over	1914	221,871	167,366	54,505	75.4	24.6
	1909	205,371	154,724	50,647	75.3	24.7
Under 16 years of age	1914	4,393	2,216	2,177	50.4	49.6
	1909	5,421	2,935	2,486	54.1	45.9

Table 4 gives, for the several classes of persons engaged in manufactures, the percentages of increase from 1909 to 1914 and the per cent distribution at the two censuses.

The totals for all classes show increases for the period 1909–1914, with the exception of proprietors and firm members and of wage earners under 16 years of age. In the latter class the decrease was considerably greater for males than for females. The largest percentage of increase, 35.9 per cent, is shown for clerks and other subordinate salaried employees, this percentage in the case of female clerks being much greater than the corresponding percentage for males. On the other hand, the increase among wage earners was relatively somewhat less for females than for males.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.								
	Per cent of increase,[1] 1909–1914.			Per cent distribution.					
	Total.	Male.	Female.	Total.		Male.		Female.	
				1914	1909	1914	1909	1914	1909
All classes	8.8	8.6	9.4	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	1.3	2.1	−17.0	3.6	3.9	4.6	4.9	0.5	0.6
Proprietors and firm members	−9.9	−9.9	−11.5	1.2	1.5	1.6	1.9	0.2	0.3
Salaried officers of corporations	11.8	10.2	.....	0.9	0.9	1.2	1.2	0.1	0.1
Superintendents and managers	6.2	9.1	−48.5	1.4	1.5	1.9	1.9	0.1	0.3
Clerks and other subordinate salaried employees	35.9	30.9	48.8	7.5	6.0	6.9	5.8	9.2	6.8
Wage earners (average number)	7.3	7.6	6.7	88.9	90.1	88.5	89.3	90.3	92.6
16 years of age and over	8.0	8.2	7.6	87.2	87.8	87.3	87.7	86.8	88.2
Under 16 years of age	−19.0	−24.5	−12.4	1.7	2.3	1.2	1.7	3.5	4.3

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

In order to compare the distribution of persons engaged in manufactures in 1914 with that shown at the census of 1904, it is necessary to use the classification employed at the earlier census. (See "Explanation of terms.") Table 5 makes this comparison according to occupational status.

Table 5

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.							
	Number.			Per cent distribution.			Per cent of increase.[1]	
	1914	1909	1904	1914	1909	1904	1909–1914	1904–1909
Total	254,499	233,871	198,046	100.0	100.0	100.0	8.8	18.1
Proprietors and firm members	3,123	3,468	2,918	1.2	1.5	1.5	−9.9	18.8
Salaried employees	25,112	19,611	13,523	9.9	8.4	6.8	28.1	45.0
Wage earners (average)	226,264	210,792	181,605	88.9	90.1	91.7	7.3	16.1

[1] A minus sign (−) denotes decrease.

This table shows a constant increase in the proportion that salaried employees represent of the total number of persons engaged. The percentages of increase for the five-year period 1909–1914 are much less than for the preceding semidecade, and for proprietors and firm members a decrease of 9.9 per cent is shown.

The average number of wage earners employed and their per cent distribution as males 16 years of age and over, females 16 years of age and over, and children under 16 years of age are given in Table 6 for 1914, 1909, and 1904. The table also shows, for some of the important industries separately, a similar distribution of wage earners for 1914 and 1909.

For all industries combined, the proportion which the number of children under 16 years of age formed of the total number of wage earners decreased from 2.6 per cent in 1909 to 1.9 per cent in 1914. The proportion of females 16 years of age and over remained about the same at each census, while the proportion of males shows a slight increase.

In seven industries—those manufacturing fancy and paper boxes, buttons, corsets, hosiery and knit goods, men's clothing, men's furnishing goods, and women's clothing—more than half the number of wage earners employed in 1914 and 1909 were females 16 years of age and over. Of these industries, the manufacture of corsets shows the highest percentage of women wage earners in 1914, 81.1 per cent; the greatest proportion for 1909, 88.5 per cent, appears for the manufacture of women's clothing. Considerable proportions of females over 16 years of age are also shown for the silk; needle, pin, and hook and eye; cotton goods; copper, tin, and sheet-iron; clock and watch; and electrical machinery, apparatus, and supply industries.

Table 6

INDUSTRY.	Census year.	WAGE EARNERS.			
		Average number.[1]	Per cent of total.		
			16 years of age and over.		Under 16 years of age.
			Male.	Female.	
All industries	1914	226,264	74.0	24.1	1.9
	1909	210,792	73.4	24.0	2.6
	1904	181,605	73.1	24.5	2.4
Automobiles, including bodies and parts	1914	2,223	98.5	0.5	0.9
	1909	3,815	98.8	0.7	0.6
Boxes, fancy and paper	1914	2,196	40.4	53.5	6.1
	1909	1,849	39.5	51.5	9.0
Brass, bronze, and copper products	1914	16,781	89.2	10.3	0.6
	1909	16,817	88.3	10.4	1.3
Bread and other bakery products	1914	2,014	88.6	9.7	1.7
	1909	1,869	87.2	12.0	0.9
Buttons	1914	1,063	43.4	52.2	4.4
	1909	1,057	40.3	56.5	3.2
Clocks and watches, including cases and materials.	1914	6,599	64.5	32.7	2.7
	1909	5,851	65.4	30.9	3.7
Clothing, men's, including shirts	1914	1,305	27.9	70.1	2.0
	1909	751	23.0	76.2	0.8
Clothing, women's	1914	1,337	23.9	73.3	2.8
	1909	1,382	8.0	88.5	3.5
Copper, tin, and sheet-iron products	1914	2,465	65.4	33.2	1.3
	1909	2,475	66.5	29.5	4.0
Corsets	1914	7,298	14.2	81.1	4.7
	1909	6,643	14.5	82.1	3.4
Cotton goods, including cotton small wares.	1914	15,466	56.4	39.3	4.3
	1909	14,360	55.8	39.4	4.8
Cutlery and tools, not elsewhere specified	1914	7,568	90.3	8.8	0.8
	1909	7,547	89.5	9.3	1.2
Dyeing and finishing textiles	1914	1,764	87.2	10.3	2.6
	1909	1,719	85.2	12.2	2.6

[1] For method of estimating the distribution, by sex and age periods, of the average number for all industries combined, see "Explanation of terms."

Table 6—Continued.

INDUSTRY.	Census year.	WAGE EARNERS. Average number.	Per cent of total. 16 years of age and over. Male.	Female.	Under 16 years of age.
Electrical machinery, apparatus, and supplies.	1914	5,059	64.0	32.7	3.3
	1909	3,505	64.1	31.1	4.8
Firearms and ammunition	1914	10,863	76.8	22.9	0.3
	1909	8,533	75.4	23.6	1.0
Foundry and machine-shop products	1914	39,369	89.3	9.6	1.0
	1909	37,736	89.2	8.9	2.0
Furnishing goods, men's	1914	3,142	41.2	56.0	2.8
	1909	2,282	45.7	52.9	1.5
Gas and electric fixtures and lamps	1914	2,391	79.4	19.5	1.0
	1909	2,249	76.5	21.9	1.7
Gas, illuminating and heating	1914	1,209	99.6	.....	0.4
	1909	926	99.2	0.3	0.4
Hats, fur-felt	1914	5,461	70.6	28.4	1.0
	1909	5,217	70.2	29.1	0.7
Hosiery and knit goods	1914	2,904	30.1	67.3	2.5
	1909	3,340	30.8	66.1	3.1
Iron and steel forgings	1914	1,573	89.6	7.9	2.5
	1909	354	99.4	.....	0.6
Lumber and timber products	1914	2,356	97.4	1.7	0.8
	1909	3,495	98.7	0.9	0.3
Musical instruments, pianos and organs and materials.	1914	2,267	82.8	17.1	0.2
	1909	2,304	84.2	13.5	2.4
Needles, pins, and hooks and eyes	1914	3,068	53.8	40.9	5.3
	1909	2,648	50.3	44.1	5.6
Paper and wood pulp	1914	1,898	90.9	8.8	0.3
	1909	1,720	84.2	15.1	0.7
Printing and publishing	1914	2,838	79.7	18.1	2.1
	1909	2,878	77.4	19.3	3.2
Rubber goods, not elsewhere specified	1914	2,485	84.9	14.1	0.9
	1909	2,115	79.3	19.6	1.1
Silk goods, including throwsters	1914	10,668	52.8	43.8	3.4
	1909	8,703	46.1	49.6	4.3
Silverware and plated ware	1914	6,465	81.4	16.8	1.8
	1909	6,223	80.5	17.1	2.4
Tobacco manufactures	1914	1,570	79.9	18.8	1.3
	1909	1,513	78.6	20.1	1.3
Typewriters and supplies	1914	4,662	83.6	14.8	1.6
	1909	2,934	83.1	14.3	2.6
Woolen, worsted, and felt goods	1914	7,350	70.8	26.3	2.9
	1909	7,789	66.4	28.9	4.7
All other industries	1914	40,587	78.0	20.6	1.4
	1909	38,193	76.8	20.6	2.6

For each census year the greatest proportion of wage earners under 16 years of age is shown for the manufacture of fancy and paper boxes; but this proportion decreased during the five-year period from 9 per cent to 6.1 per cent. For 1914 relatively large proportions—more than 4 per cent in each case—of children under 16 years of age also appear for the button, corset, cotton-goods, and needle, pin, and hook and eye industries. The smallest proportion of this class of wage earners in 1914 is shown for the manufacture of pianos and organs.

Table 7 shows the average number and the per cent distribution of wage earners employed in each of the 17 cities and boroughs having more than 10,000 inhabitants, classified according to age periods, and in the case of those 16 years of age and over, according to sex, for 1914, 1909, and 1904.

Table 8 gives percentages of increase from census to census, based on the figures in Table 7, for cities and boroughs where per cent of increase can be computed.

The four largest cities in the state are New Haven, Bridgeport, Hartford, and Waterbury, in the order in which named; but in respect to the average number of wage earners employed in 1914, these cities ranked in the following order: Bridgeport, New Haven, Waterbury, and Hartford.

In Bridgeport the proportion of female wage earners 16 years of age and over was higher, and in New Haven and Hartford it was lower, in each of the three census years than the corresponding proportion for the state as a whole; and in Waterbury the proportion of this class of wage earners was lower than that for the state in 1914 and 1909 but higher in 1904. Among the larger cities, by far the smallest proportion of female wage earners in each year is shown for Hartford.

The greatest proportion of female wage earners 16 years of age and over, which is shown for any city in 1914, appears for Willimantic; the next greatest, for Naugatuck; and the third greatest, for Norwalk. The smallest proportion of this class of wage earners in 1914 and 1909 is shown for Ansonia. The greatest proportion of wage earners under 16 years of age in 1914 appears for Norwalk, and the next greatest, for Torrington and Willimantic, the percentage for these two places being the same. The smallest percentage of child wage earners in 1914 appears for New Britain.

For each of the cities given in these tables, with the exceptions of Naugatuck and New London, an increase in the total average number of wage earners is shown for the ten-year period 1904-1914, the greatest percentage of increase, 71.3, appearing for Stamford, and the smallest, 9.9 per cent, for Norwich. For Bridgeport, Hartford, and New Britain the percentages of increase were also large. All the cities, except Middletown, New London, and Norwich, show increases for the five-year period 1909-1914. The greatest percentage of increase, 43.6, for this period is shown for Stamford.

The number of female wage earners in each of the cities, for which comparative figures are given, increased during the ten-year period 1904–1914; and during the five-year period 1909–1914 an increase in this class of wage earners took place in each city, except Middletown and Norwich. As shown in Table 7, the number of wage earners under 16 years of age has decreased in 5 cities between 1904 and 1914, and in 10 cities for the latter half of the decade. The number of wage earners in this class, however, is very small in some of the cities.

Table 7

City.	Average number of wage earners in manufacturing industries.																				
	Total.			16 years of age and over.						Under 16 years of age.			Per cent of total.								
				Male.			Female.						16 years of age and over.						Under 16 years of age.		
													Male.			Female.					
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	19
Ansonia	4,312	4,127	3,394	3,788	3,743	2,937	469	347	433	55	37	24	87.8	90.7	86.5	10.9	8.4	12.8	1.3	0.9	(
Bridgeport	30,042	25,775	19,492	21,098	18,262	13,977	8,308	6,852	5,066	636	661	449	70.2	70.8	71.7	27.7	26.6	26.0	2.1	2.6	2
Bristol	4,180	.....	.....	3,311	.....	.....	799	.....	.....	70	.....	.....	79.2	.....	.....	19.1	.....	.....	1.7	.....	..
Danbury	5,304	4,810	4,515	3,718	3,391	3,101	1,526	1,371	1,363	60	48	51	70.1	70.5	68.7	28.8	28.5	30.2	1.1	1.0	1
Hartford	17,137	14,627	11,221	14,360	12,224	9,386	2,592	2,217	1,754	185	186	81	83.8	83.6	83.6	15.1	15.2	15.6	1.1	1.3	(
Meriden	8,166	7,845	7,281	6,446	6,080	5,538	1,588	1,585	1,537	132	180	206	78.9	77.5	76.1	19.4	20.2	21.1	1.6	2.3	2
Middletown	2,389	2,434	.....	1,692	1,543	.....	663	840	.....	34	51	.....	70.8	63.4	.....	27.8	34.5	.....	1.4	2.1	..
Naugatuck	3,539	3,464	3,628	2,132	2,113	2,310	1,375	1,261	1,226	32	90	92	60.2	61.0	63.7	38.9	36.4	33.8	0.9	2.6	3
New Britain	14,320	13,513	10,073	11,465	10,500	7,871	2,804	2,675	1,980	51	338	222	80.1	77.7	78.1	19.6	19.8	19.7	0.4	2.5	1
New Haven	24,993	[1] 23,497	21,437	18,653	[1] 17,354	16,224	5,787	5,438	4,714	553	705	499	74.6	73.9	75.7	23.2	23.1	22.0	2.2	3.0	1
New London	2,154	2,225	2,554	1,400	1,466	1,829	744	692	715	10	67	10	65.0	65.9	71.6	34.5	31.1	28.0	0.5	3.0	1
Norwalk	4,963	.....	.....	2,921	.....	.....	1,868	.....	.....	174	.....	.....	58.9	.....	.....	37.6	.....	.....	3.5	.....	..
Norwich	4,074	[1] 4,101	3,706	3,040	[1] 3,008	2,802	925	[1] 990	831	109	[1] 103	73	74.6	73.4	75.6	22.7	24.1	22.4	2.7	2.5	
Stamford	5,723	3,984	3,341	4,935	3,554	2,843	697	382	363	91	48	135	86.2	89.2	85.1	12.2	9.6	10.9	1.6	1.2	
Torrington	4,974	4,488	.....	4,195	3,828	.....	642	512	.....	137	148	.....	84.3	85.3	.....	12.9	11.4	.....	2.8	3.3	..
Waterbury	20,189	20,170	15,406	15,219	15,088	10,948	4,791	4,648	4,120	269	434	338	75.4	74.8	71.1	23.3	23.0	26.7	1.3	2.2	
Willimantic	3,507	3,020	.....	1,843	1,549	.....	1,565	1,383	.....	99	88	.....	52.6	51.3	.....	44.6	45.8	.....	2.8	2.9	..

[1] Figures do not agree with those published because it was necessary to revise them in order to include data only for those establishments located within the corpor limits of the city.

Table 8

City.	Per cent of increase in average number of wage earners.[1]				
	Period.	Total.	16 years of age and over.		Under 16 years of age.
			Male.	Female.	
Ansonia	1904-1914	27.0	29.0	8.3	.....
	1909-1914	4.5	1.2	35.2	.....
	1904-1909	21.6	27.4	−19.9	.....
Bridgeport	1904-1914	54.1	50.9	64.0	41.6
	1909-1914	16.6	15.5	21.2	−3.8
	1904-1909	32.2	30.7	35.3	47.2
Danbury	1904-1914	17.5	19.9	12.0	.....
	1909-1914	10.3	9.6	11.3	.....
	1904-1909	6.5	9.4	0.6	.....
Hartford	1904-1914	52.7	53.0	47.8	.....
	1909-1914	17.2	17.5	16.9	−0.5
	1904-1909	30.4	30.2	26.4	.....
Meriden	1904-1914	12.2	16.4	3.3	−35.9
	1909-1914	4.1	6.0	0.2	−26.7
	1904-1909	7.7	9.8	3.1	−12.6
Middletown	1909-1914	−1.8	9.7	−21.1	.....
Naugatuck	1904-1914	−2.5	−7.7	12.2	.....
	1909-1914	2.2	0.9	9.0	.....
	1904-1909	−4.5	−8.5	2.9	.....
New Britain	1904-1914	42.2	45.7	41.6	−77.0
	1909-1914	6.0	9.2	4.8	−84.9
	1904-1909	34.2	33.4	35.1	52.3
New Haven	1904-1914	16.6	15.0	22.8	10.8
	1909-1914	6.4	7.5	6.4	−21.6
	1904-1909	9.6	7.0	15.4	41.3
New London	1904-1914	−15.7	−23.5	4.1	.....
	1909-1914	−3.2	−4.5	7.5	.....
	1904-1909	−12.9	−19.8	−3.2	.....
Norwich	1904-1914	9.9	8.5	11.3	.....
	1909-1914	−0.7	1.1	−6.6	5.8
	1904-1909	10.7	7.4	19.1	.....
Stamford	1904-1914	71.3	73.6	92.0	−32.6
	1909-1914	43.6	38.9	82.5	.....
	1904-1909	19.2	25.0	5.2	−64.4
Torrington	1909-1914	10.8	9.6	25.4	−7.4
Waterbury	1904-1914	31.0	39.0	14.1	−20.4
	1909-1914	0.1	0.9	1.1	−38.0
	1904-1909	30.9	37.8	12.8	28.4
Willimantic	1909-1914	16.1	19.0	13.2	12.5

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

Wage earners employed, by months.—The followi table gives, for all industries combined, the tot number of wage earners employed on the 15th of ea month, or the nearest representative day, for 1914 a 1909, and the average number employed during ea month in 1904, together with the percentage whi the number reported for each month forms of t greatest number reported for any month.

Table 9

Month.	Wage earners in manufacturing industrie					
	Number.[1]			Per cent of maxim		
	1914	1909	1904	1914	1909	1
January	228,033	201,545	179,378	97.8	89.2	
February	230,542	199,325	180,961	98.9	88.2	
March	233,083	202,523	182,523	100.0	89.7	
April	232,162	203,599	181,048	99.6	90.1	
May	231,433	205,198	180,416	99.3	90.9	
June	228,252	208,732	179,519	97.9	92.4	
July	223,931	206,295	177,637	96.1	91.3	
August	219,789	211,295	178,203	94.3	93.6	
September	222,889	218,637	182,454	95.6	96.8	
October	223,118	222,052	185,269	95.7	98.3	
November	220,393	224,439	186,248	94.6	99.4	
December	221,543	225,862	185,604	95.0	100.0	

[1] The figures for 1914 and 1909 represent the number employed on the 1 each month, or the nearest representative day; those for 1904, the average nu employed during the month.

The greatest average number of wage earners w employed in the first six months of 1914, the m mum number, 233,083, being reported for Ma During 1904 and 1909 the greatest activity is sh for the last three months of the year, the maxim number appearing for December in 1909 and November in 1904. The greatest difference betw the maximum and minimum months in any on the three census years was 26,537 in 1909.

Table 10 gives the total average number of w earners employed during 1914, together with the t number employed on the 15th of each month, or

nearest representative day, for the combined industries of the state, for a number of selected industries, and for the total industries of each of the 17 cities and boroughs having more than 10,000 inhabitants.

Table 10

WAGE EARNERS: 1914.
[Month of maximum employment for each industry is indicated by **boldface** figures and that of minimum by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	Number employed on 15th day of the month or nearest representative day.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	226,264	228,033	230,542	**233,083**	232,162	231,433	228,252	223,931	*219,789*	222,889	223,118	220,393	221,543	94.3
Automobiles, including bodies and parts	2,223	2,022	2,220	2,320	2,531	2,502	**2,599**	2,471	2,322	2,064	1,910	*1,835*	1,880	70.6
Boxes, fancy and paper	2,196	2,237	2,238	**2,244**	2,217	2,178	2,159	2,208	*2,125*	2,190	2,210	2,150	2,166	94.7
Brass, bronze, and copper products	16,781	16,654	16,960	17,455	17,209	16,978	16,790	16,775	16,574	16,630	16,232	*16,218*	16,897	92.9
Bread and other bakery products	2,014	1,971	*1,959*	1,973	2,000	2,023	2,048	**2,065**	2,064	2,035	2,015	2,007	2,008	94.9
Clocks and watches, including cases and materials	6,599	**6,850**	6,826	6,735	6,676	6,705	6,589	*6,316*	6,426	6,514	6,636	6,581	6,334	92.2
Copper, tin, and sheet-iron products	2,465	2,591	2,548	**2,598**	2,548	2,508	2,450	2,478	2,380	2,374	2,400	2,371	*2,334*	89.8
Corsets	7,298	7,651	7,601	7,654	**7,655**	7,608	7,594	7,466	7,376	7,053	6,731	*6,561*	6,626	85.7
Cotton goods, including cotton small wares	15,466	15,568	15,411	15,410	15,481	15,624	15,348	15,422	15,497	**15,658**	15,498	*15,279*	15,396	97.6
Cutlery and tools, not elsewhere specified	7,568	7,634	7,848	**7,876**	7,849	7,717	7,848	7,480	7,551	7,290	*7,214*	7,232	7,277	91.6
Dyeing and finishing textiles	1,764	1,780	1,786	1,790	1,743	1,752	1,781	1,781	1,742	*1,725*	1,819	1,740	1,729	94.8
Electrical machinery, apparatus, and supplies	5,059	5,015	5,294	**5,407**	5,220	5,094	5,070	4,983	4,914	*4,873*	4,979	4,978	4,881	90.1
Firearms and ammunition	10,863	10,436	10,387	10,463	10,383	10,361	10,279	10,126	*9,307*	10,812	11,894	12,526	**13,382**	69.5
Foundry and machine-shop products	39,369	41,032	41,052	**41,074**	40,698	40,546	39,622	38,535	38,276	37,747	37,787	*37,718*	38,341	91.8
Furnishing goods, men's	3,142	3,312	3,369	**3,372**	3,311	3,190	3,045	3,041	3,067	3,108	3,124	2,928	*2,837*	84.1
Gas and electric fixtures and lamps	2,391	**2,633**	2,587	2,567	2,497	2,420	2,334	*2,195*	2,335	2,300	2,321	2,251	2,252	83.4
Hats, fur-felt	5,461	5,565	**5,868**	5,802	5,199	*4,887*	5,068	5,571	5,766	5,778	5,673	5,275	5,080	83.3
Hosiery and knit goods	2,904	2,972	2,983	**2,996**	2,981	2,939	2,942	2,781	*2,666*	2,874	2,896	2,912	2,886	89.7
Iron and steel forgings	1,573	1,525	*1,510*	1,583	1,619	**1,620**	1,610	1,601	1,578	1,540	1,568	1,548	1,574	93.2
Lumber and timber products	2,356	2,570	**2,681**	2,609	2,456	2,355	2,143	*2,050*	2,101	2,163	2,298	2,403	2,443	76.5
Musical instruments, pianos and organs, and materials	2,267	**2,596**	2,588	2,589	2,482	2,349	2,225	*1,922*	1,965	2,052	2,123	2,134	2,179	74.0
Needles, pins, and hooks and eyes	3,068	3,128	3,087	3,120	3,087	3,021	*2,974*	2,978	2,988	3,060	3,091	3,131	**3,151**	94.4
Paper and wood pulp	1,898	1,944	1,926	1,930	**1,946**	1,939	1,909	1,891	*1,821*	1,842	1,867	1,869	1,892	93.6
Printing and publishing	2,838	2,831	2,815	2,840	2,842	2,874	2,869	*2,795*	2,803	2,819	2,849	2,840	**2,879**	97.1
Rubber goods, not elsewhere specified	2,485	2,430	2,595	2,880	3,190	**3,193**	3,009	2,778	2,170	1,917	1,882	*1,785*	1,991	55.9
Silk goods, including throwsters	10,668	9,877	10,527	10,828	10,934	11,137	11,159	**11,224**	11,032	11,031	10,654	*9,804*	9,809	87.3
Silverware and plated ware	6,465	6,506	6,723	**6,726**	6,574	6,543	6,466	*5,990*	6,404	6,423	6,499	6,436	6,290	89.1
Tobacco manufactures	1,570	1,590	1,557	1,561	1,550	1,548	*1,546*	1,558	1,577	**1,587**	1,609	1,591	1,566	96.1
Typewriters and supplies	4,662	4,985	5,113	5,145	5,100	5,024	4,896	4,712	4,425	4,137	*4,117*	4,136	4,154	89.0
Woolen, worsted, and felt goods	7,350	*6,803*	6,981	7,474	7,567	7,781	7,725	7,580	7,175	7,304	7,464	7,039	7,307	87.4
All other industries	45,501	45,325	45,502	46,062	46,617	**47,017**	46,155	45,158	*43,342*	45,989	45,758	45,085	44,002	92.2
Total for cities	159,966	162,625	164,145	**165,853**	164,794	163,458	160,813	157,511	*153,968*	156,503	156,683	155,954	157,240	92.8
ANSONIA	4,312	4,419	4,384	4,551	4,403	4,411	4,324	4,339	4,320	4,377	4,145	4,038	*4,035*	88.7
BRIDGEPORT	30,042	30,028	30,127	30,907	**31,022**	30,897	30,730	30,387	*28,929*	29,825	29,535	28,930	29,183	93.2
BRISTOL	4,180	4,251	4,295	**4,377**	4,345	4,313	4,237	4,088	*3,959*	4,675	4,664	4,069	4,093	90.5
DANBURY	5,304	5,404	5,654	**5,687**	5,113	*4,963*	5,045	5,376	5,446	5,488	5,422	5,095	4,983	86.2
HARTFORD	17,137	17,437	17,654	17,924	**18,001**	17,926	17,561	16,945	16,634	*15,869*	16,201	16,475	16,993	88.1
MERIDEN	8,166	8,273	8,522	**8,593**	8,389	8,297	8,198	7,484	7,960	8,000	8,052	8,142	8,126	87.0
MIDDLETOWN	2,389	2,449	2,416	2,416	**2,523**	2,397	2,337	2,344	2,364	2,377	2,365	2,381	*2,299*	91.1
NAUGATUCK	3,539	3,819	3,790	3,857	3,795	**3,903**	3,601	3,537	*1,569*	3,585	3,632	3,638	3,746	40.2
NEW BRITAIN	14,320	14,943	**14,947**	14,907	14,776	14,716	14,572	14,167	14,288	13,744	13,622	13,617	*13,541*	90.6
NEW HAVEN	24,993	24,970	25,110	24,994	25,173	25,069	24,455	24,303	*24,225*	24,954	25,513	**25,644**	25,532	94.5
NEW LONDON	2,154	2,248	2,307	**2,327**	2,306	2,267	2,279	2,215	2,116	2,086	1,952	*1,835*	1,870	78.9
NORWALK	4,963	4,931	5,011	**5,088**	5,051	5,045	4,954	4,782	4,793	4,953	5,026	4,971	4,957	94.0
NORWICH	4,074	*3,841*	4,069	**4,146**	4,116	4,137	4,139	4,050	4,101	4,098	4,101	4,010	4,047	92.6
STAMFORD	5,723	6,238	6,292	**6,326**	6,195	6,124	5,884	5,532	5,452	5,166	5,224	5,151	*5,106*	80.7
TORRINGTON	4,974	5,126	**5,248**	5,213	5,058	4,961	4,887	4,832	4,835	*4,751*	4,765	4,886	5,119	90.5
WATERBURY	20,189	20,471	20,576	20,823	**20,855**	20,498	20,095	19,682	*19,612*	19,757	19,846	19,892	20,239	94.0
WILLIMANTIC	3,507	**3,777**	3,713	3,712	3,673	3,614	3,515	3,448	3,428	3,407	3,188	*3,180*	3,491	84.2

Among the industries shown, those having the most nearly uniform employment in 1914 are the manufacture of cotton goods and printing and publishing, while the greatest degree of fluctuation appears for rubber goods, not elsewhere specified. In 1914, March, the maximum month for all industries combined, was also the month of greatest employment in 10 of the separate industries; and August, the minimum month for all industries combined, was the month of least employment in 4 of the separate industries.

For 8 of the 17 cities—Ansonia, Bristol, Danbury, Meriden, New London, Norwalk, Norwich, and Stamford—the greatest employment is shown for March, the maximum month for the state as a whole and for all cities combined; and for 5 cities—Bridgeport, Bristol, Naugatuck, New Haven, and Waterbury—the least employment appears for August, the minimum month for the state as a whole and for all cities combined. The leading cities—Bridgeport, Hartford, New Britain, New Haven, and Waterbury—show stability of employment, the least fluctuation appearing for New Haven, where the number employed in August, the minimum month, formed 94.5 per cent of the number employed in November, the maximum month.

The greatest fluctuation appears in Naugatuck, where the proportion that the minimum number formed of the maximum was 40.2 per cent.

Prevailing hours of labor.—In Table 11 the average number of wage earners reported for 1914 and 1909, for all industries combined and for selected industries, have been classified according to number of hours of labor per week prevailing in the establishments in which they were employed. A similar classification is given, for 1914 only, for all industries combined in each city having more than 10,000 inhabitants. The number employed in each establishment is classified as a total, even though a few employees worked a greater or smaller number of hours.

Table 11

Industry and city.	Census year.	Average number of wage earners.								
		Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
All industries	1914	226,264	18,850	27,929	38,856	121,717	16,077	2,260	377	198
	1909	210,792	6,634	11,088	33,849	117,295	38,978	1,908	499	541
Automobiles, including bodies and parts	1914	2,223	122	293	248	1,535	25			
	1909	3,815		72	1,398	884	1,461			
Boxes, fancy and paper	1914	2,196	85	970	185	933	23			
	1909	1,849	11	110	79	991	658			
Brass, bronze, and copper products	1914	16,781	64	4,143	358	9,328	2,888			
	1909	16,817	24	198	323	13,441	2,831			
Bread and other bakery products	1914	2,014	260	83	571	250	797	46	7	
	1909	1,869	188	80	206	80	1,238	46	27	4
Clocks and watches, including cases and materials	1914	6,599		513	4,004	2,082				
	1909	5,851			3,362	1,306	1,183			
Copper, tin, and sheet-iron products	1914	2,465	353	212	99	1,374	427			
	1909	2,475	189	145	51	1,293	411	386		
Corsets	1914	7,298	69	2,688	81	4,460				
	1909	6,643		1,476		5,165	2			
Cotton goods, including cotton small wares	1914	15,466		71	6	15,273	116			
	1909	14,360		33		13,448	879			
Cutlery and tools, not elsewhere specified	1914	7,568	1,570	261	326	3,859	1,552			
	1909	7,547	248	342	1,022	4,716	1,219			
Dyeing and finishing textiles	1914	1,764	12		2	1,648	102			
	1909	1,719			2	351	1,366			
Electrical machinery, apparatus, and supplies	1914	5,059	4	695	735	3,625				
	1909	3,505	7		592	2,633	273			
Firearms and ammunition	1914	10,863			1,413	9,440	10			
	1909	8,533			708	7,825				
Foundry and machine-shop products	1914	39,369	5,563	4,074	7,445	20,177	2,109	1		
	1909	37,736	187	1,235	13,500	18,682	4,126	6		
Furnishing goods, men's	1914	164		78	86					
	1909	2,281	3	112	23	1,228	915			
Gas and electric fixtures and lamps	1914	718		33		685				
	1909	2,249	1	5	1	1,633	609			
Hats, fur-felt	1914	5,461	1,467	2,889	354	515	236			
	1909	5,217	588	3,016	22	1,468	123			
Hosiery and knit goods	1914	2,901	323	396	511	1,614				
	1909	3,340	2		441	2,622	275			
Iron and steel forgings	1914	1,573	98	514	57	903	1			
	1909	354	11	114	71	153	5			
Lumber and timber products	1914	2,356	441	411	1,144	86	274			
	1909	3,495	365	317	1,248	113	1,452			
Musical instruments, pianos and organs and materials	1914	2,267	4	49	1,836	370	8			
	1909	2,304			750	356	1,198			
Needles, pins, and hooks and eyes	1914	3,068		127		2,189	752			
	1909	2,648				334	2,314			
Paper and wood pulp	1914	1,898	100	179	79	288	417	504	331	
	1909	1,720			229	112	542	567	270	
Printing and publishing	1914	2,838	1,647	675	348	72	96			
	1909	2,878	1,372	659	474	346	27			
Rubber goods, not elsewhere specified	1914	2,485		366	184	1,568	367			
	1909	2,115		131		1,767	217			
Silk goods, including throwsters	1914	10,668	16		753	9,669	230			
	1909	8,703				8,064	639			
Silverware and plated ware	1914	6,465	225	1,223	1,070	3,710	237			
	1909	6,223		230	525	3,561	1,907			

Table 11—Continued.

INDUSTRY AND CITY.	Census year.	AVERAGE NUMBER OF WAGE EARNERS.								
		Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
Tobacco manufactures	1914	1,570	1,320	115	134	.....	1	.....	.....	.....
	1909	1,513	1,442	31	10	24	6	.....	.....	.....
Typewriters and supplies	1914	4,662	.....	406	4,233	23	.....	.....	.....	.....
	1909	2,934	.....	171	2,631	132	.....	.....	.....	.....
Woolen, worsted, and felt goods	1914	7,350	.....	108	307	6,123	812	.....	.....	.....
	1909	7,789	.....	.....	87	4,741	2,961	.....	.....	.....
All other industries	1914	50,152	5,107	6,357	12,257	19,888	4,597	1,709	39	.....
	1909	42,310	1,996	2,611	6,094	19,826	10,141	903	202	537
Total for cities	1914	159,966	16,688	24,044	33,661	75,113	8,688	1,253	321	198
ANSONIA	1914	4,312	58	13	33	4,186	22	.....	.....	.....
BRIDGEPORT	1914	30,042	4,481	5,636	1,737	17,295	874	19	.....	.....
BRISTOL	1914	4,180	26	542	484	2,896	232	.....	.....	.....
DANBURY	1914	5,304	1,503	1,764	455	1,246	336	.....	.....	.....
HARTFORD	1914	17,137	1,577	2,119	10,650	2,350	258	183	.....	.....
MERIDEN	1914	8,166	498	1,219	928	5,291	157	73	.....	.....
MIDDLETOWN	1914	2,389	62	23	233	1,977	85	9	.....	.....
NAUGATUCK	1914	3,539	394	50	2,478	256	361	.....	.....	.....
NEW BRITAIN	1914	14,320	4,826	1,135	3,775	4,348	153	14	.....	69
NEW HAVEN	1914	24,993	1,920	3,483	6,890	10,819	1,022	734	90	35
NEW LONDON	1914	2,154	166	35	775	1,057	79	42	.....	.....
NORWALK	1914	4,963	204	2,524	390	1,480	27	3	2	33
NORWICH	1914	4,074	281	11	415	2,536	594	12	225	.....
STAMFORD	1914	5,723	166	324	770	3,754	709	.....	.....	.....
TORRINGTON	1914	4,974	25	114	199	4,553	83	.....	.....	.....
WATERBURY	1914	20,189	484	4,744	3,440	7,671	3,691	95	3	61
WILLIMANTIC	1914	3,507	17	8	9	3,398	5	69	1	.....

The figures in this table, for the state as a whole and for most of the selected industries, emphasize the tendency toward a shortening of the working day of wage earners. In 1914, 37.8 per cent of the total number of wage earners in all industries were employed in establishments working 54 hours or less per week, the corresponding proportion for 1909 being 24.5 per cent. The number of wage earners in establishments whose working hours were 60 or more per week formed only 8.4 per cent of the total for all industries in 1914, this proportion having decreased from 20 per cent in 1909. The increase in the number in establishments working 54 hours or less per week with the decrease in those working 60 or more per week is due to a shortening of hours since 1909 in factories producing brass, bronze, and copper products; corsets; cutlery and tools; foundry and machine-shop products; fur-felt hats; and silverware and plated ware.

More than one-half, 121,717, of the wage earners in the state in 1914 were employed in establishments whose prevailing hours were between 54 and 60 per week. If to this number be added those in the establishments having 54 and 60 hours per week, respectively, as their prevailing hours of work, there will be obtained a total of 176,650 wage earners, or 78.1 per cent of the aggregate for the state, in establishments working from 54 to 60 hours per week, inclusive. In 1909 the number employed in establishments whose prevailing hours were between 54 and 60 formed about the same proportion of the total as did the corresponding number in 1914, but the number in establishments working 54 hours per week in 1909 was somewhat smaller, while the number in establishments whose prevailing hours were 60 per week in that year was very much larger than the corresponding numbers reported in 1914.

Of the 159,966 wage earners employed in the cities for which separate statistics are shown in 1914, 149,506, or more than nine-tenths, were in establishments where the prevailing hours were less than 60 per week, while only 10,460 were in establishments in which the hours were 60 or more per week. Six cities show no wage earners in establishments working more than 60 hours a week. For all 17 cities, establishments were reported with prevailing hours below 54 a week, the number of wage earners employed in these establishments forming 25.5 per cent of the total for the combined cities.

The corresponding percentages for Danbury and Norwalk are noticeably large, 61.6 and 61, respectively. The great hardware and cutlery center, New Britain, also reported a large proportion, 41.6 per cent, of its wage earners as in establishments with prevailing hours under 54 per week.

Location of establishments.—Table 12 shows, for 1914, 1909, and 1899, the extent to which the manufactures in Connecticut were centralized in the cities having more than 10,000 inhabitants.

Table 12	Census year.	Aggregate.	Cities having a population of 10,000 or over.								Districts outside of cities having a population of 10,000 or over.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places	1914	.....	17	.....	9	.....	5	.....	3	.....	.....	.....
	1910	.....	15	.....	8	.....	5	.....	2	.....	.....	.....
	1900	.....	12	.....	7	.....	4	.....	1	.....	.....	.....
Population [1]	1914	1,202,688	735,439	61.1	151,885	12.6	216,722	18.0	366,832	30.5	467,249	38.9
	1910	1,114,756	630,732	56.6	126,698	11.4	268,375	24.1	235,659	21.1	484,024	43.4
	1900	908,420	445,581	49.0	114,851	12.6	222,703	24.5	108,027	11.9	462,839	50.9
Number of establishments	1914	4,104	2,598	63.3	648	15.8	627	15.3	1,323	32.2	1,506	36.7
	1909	4,251	2,363	55.7	526	12.4	882	20.7	955	22.5	1,888	44.4
	1899	3,382	1,710	50.6	459	13.6	814	24.1	437	12.9	1,672	49.4
Average number of wage earners	1914	226,264	159,966	70.7	34,433	15.2	53,361	23.6	72,172	31.9	66,298	29.3
	1909	210,792	138,080	65.5	28,669	13.6	60,139	28.5	49,272	23.4	72,712	34.5
	1899	159,733	91,209	57.1	24,656	15.4	48,959	30.6	17,594	11.0	68,524	42.9
Value of products	1914	$545,471,517	$390,821,254	71.6	$92,506,631	17.0	$112,605,351	20.6	$185,709,272	34.0	$154,650,263	28.4
	1909	490,271,695	333,124,942	67.9	78,539,022	16.0	138,107,117	28.2	116,478,803	23.8	157,146,753	32.0
	1899	315,106,150	193,446,554	61.4	59,755,550	19.0	98,791,567	31.4	34,899,437	11.1	121,659,596	38.6
Value added by manufacture	1914	256,960,631	187,171,256	72.8	36,279,654	14.1	54,874,751	21.4	96,016,851	37.4	69,789,375	27.2
	1909	233,012,302	158,234,823	67.9	31,312,108	13.4	72,542,576	31.1	54,380,139	23.1	74,777,479	32.1
	1899	145,434,502	89,456,068	61.5	23,354,908	16.1	47,337,239	32.5	18,763,921	12.9	55,978,434	38.5

[1] Census estimate of population for 1914.

For 1914, 71.6 per cent of the total value of products manufactured in the state and 70.7 per cent of the average number of wage earners employed were reported for cities and boroughs having over 10,000 inhabitants. Comparisons of the 1914 figures for the municipalities and for the outside districts with those for earlier years are affected by the fact that the number of municipalities has not been the same for any two censuses. This applies also to the figures for any single group of municipalities, since no group was made up of the same municipalities at different censuses. It is true that the group of cities having 25,000 to 100,000 inhabitants comprised the same number of cities in 1914 as in 1910, but it did not contain the same cities, since Norwalk entered this group and Hartford passed out of it between the two censuses. There were in the state in 1900 only 12 cities and boroughs having more than 10,000 inhabitants; in 1910 there were 15, Middletown, Torrington, and Willimantic having been added to the list for that year; and in 1914, with the addition of Bristol and Norwalk, the number was increased to 17. The population figures for 1914 are census estimates.

The cities and boroughs having between 10,000 and 25,000 inhabitants in 1914 were Ansonia, Bristol, Danbury, Middletown, Naugatuck, New London, Norwich, Torrington, and Willimantic; those having between 25,000 and 100,000 inhabitants were Meriden, New Britain, Norwalk, Stamford, and Waterbury; and those having more than 100,000 inhabitants were Bridgeport, Hartford, and New Haven.

Of the total value of products manufactured in the state in 1914, 17 per cent was reported for the nine cities and boroughs having from 10,000 to 25,000 inhabitants, 20.6 per cent for the five cities with 25,000 to 100,000 inhabitants, and 34 per cent for the three cities having 100,000 inhabitants and over. The percentages which the population of these groups formed of the total for the state in that year were 12.6, 18, and 30.5, respectively. The outside districts, with 38.9 per cent of the population in 1914, reported only 28.4 per cent of the value of products.

The relative importance in manufactures of each of the 17 cities and boroughs having more than 10,000 inhabitants, as measured by average number of wage earners and by value of products in 1914, 1909, and 1904, is shown in Table 13. The cities are listed in the order of their importance as shown by value of products. Those for which comparative figures are not shown for 1909 and 1904 had less than 10,000 inhabitants in those years.

Table 13 City.	Average number of wage earners.			Value of products.		
	1914	1909	1904	1914	1909	1904
Bridgeport	30,042	25,775	19,492	$85,126,193	$65,608,896	$44,586,519
New Haven	24,993	[1] 23,497	21,437	57,751,729	50,869,937	33,666,118
Waterbury	20,189	20,170	15,466	50,659,162	50,349,816	32,367,359
Hartford	17,137	14,627	11,221	42,831,350	40,679,598	25,973,651
New Britain	14,320	13,513	10,073	23,227,604	22,021,241	14,959,543
Ansonia	4,312	4,127	3,364	21,493,441	20,088,269	19,132,455
Meriden	8,166	7,845	7,281	16,745,924	16,316,918	13,763,548
Torrington	4,974	4,488	.....	14,314,822	12,549,872	.....
Stamford	5,723	3,984	3,341	12,562,860	8,739,544	5,890,416
Danbury	5,304	4,810	4,515	10,601,841	10,317,875	8,065,652
Naugatuck	3,539	3,464	3,628	9,574,602	11,032,836	11,009,573
Willimantic	3,507	3,020	.....	9,564,200	6,733,185	.....
Norwalk	4,963	.....	.....	9,009,401	.....	.....
Norwich	4,074	[1] 4,101	3,706	8,470,767	8,378,947	6,022,391
Bristol	4,180	.....	.....	7,898,287	.....	.....
Middletown	2,389	2,434	.....	5,642,667	4,954,799	.....
New London	2,154	2,225	2,554	4,940,604	4,483,239	4,709,628

[1] Figures do not agree with those published, because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

For every city and borough for which comparative figures are given for the three years, with the excep-

tion of Naugatuck, an increase in value of products is shown for both the ten-year period 1904–1914 and the five-year period 1909–1914. The greatest absolute increase from 1909 to 1914—$19,517,387—was made by Bridgeport, and was due in part to the increased production of phonographs and graphophones, silk goods, and brass castings. The greatest relative gain—48.3 per cent—is shown for Stamford, and is accounted for in part by increased activity in the manufacture of upholstering materials, chocolate and cocoa products, and hardware. The decrease in Naugatuck—$1,458,234, or 13.2 per cent—is due in part to a lessened production of rubber boots and shoes.

Bridgeport, the foremost city in the state in manufactures, shows an increase for the five-year period 1909–1914 of 29.7 per cent in value of products and 16.6 per cent in average number of wage earners. In value of products Bridgeport ranked twenty-ninth among the cities of the United States in 1914—a marked gain as compared with its rank of thirty-third in 1909 and of thirty-fifth in 1904. In average number of wage earners it ranked twenty-third in 1914, and in value added by manufacture, twenty-fifth. In 1914 the foundries and machine shops of this city turned out products valued at $10,288,080, or 15.4 per cent of the corresponding total for the state; the output of its corset factories was $7,639,753, or 59.1 per cent of the total for the state; and its establishments engaged in the manufacture of electrical machinery, apparatus, and supplies made products valued at $4,284,412, or 29.9 per cent of the total for the state. Other industries of importance in Bridgeport, but for which no figures can be given without disclosing the operations of individual establishments, are the manufacture of automobiles, of brass goods, of phonographs and graphophones, of silk goods, of sewing machines, and the reducing and refining of gold and silver. One of the most prominent industries, for which also no figures can be given without disclosing the operations of individual establishments, is the manufacture of ammunition, the output of which increased rapidly toward the close of the census year.

New Haven is second in importance among the cities of the state, as measured by value of manufactured products. For this city the increases from 1909 to 1914 in value of products and in average number of wage earners were 13.5 per cent and 6.4 per cent, respectively. New Haven is especially prominent in the manufacture of firearms and ammunition and of clocks, but figures can not be given for these industries without disclosing the operations of individual establishments. In the manufacture of rubber boots and shoes, paper boxes and cartons, of corsets, of hardware, and of wire, and in slaughtering and meat packing, it also occupies an important position, but no figures can be shown separately for these industries. Of the total value of foundry and machine-shop products for the state, this city reported 10.5 per cent. Other leading industries for which figures can be given are the manufacture of automobile bodies and parts and of tobacco. Of the state totals for these two industries, New Haven reported 17.1 per cent and 45.5 per cent, respectively.

Waterbury ranks third in value of products among the Connecticut cities. The growth of manufacturing in this city during the five-year period 1909–1914 was very slight, the increases in value of products and average number of wage earners amounting to only six-tenths of 1 per cent and one-tenth of 1 per cent, respectively. The great industry of the city is the manufacture of brass, bronze, and copper products. In 1914 the value of products for this industry in Waterbury amounted to $32,624,187, or 64.4 per cent of the total for all industries in the city, and 20.1 per cent of the total for the industry in the entire United States. Other important industries are the manufacture of watches, of foundry and machine-shop products, of buttons, of needles, pins, and hooks and eyes, of lamps, and enameling.

Hartford, fourth in rank, shows, for the period 1909–1914, increases of 5.3 per cent in value of products and 17.2 per cent in average number of wage earners. The value of products for certain prominent industries, in which Hartford ranks high among the cities of the state—particularly the manufacture of typewriters, rubber goods, dental goods, firearms, leather belting, machine screws, and nails and spikes (principally horseshoe nails)—can not be shown separately without disclosing the operations of individual establishments. Among the industries for which statistics can be given separately are the manufacture of foundry and machine-shop products and electrical machinery, apparatus, and supplies. Of the total value of products for these two industries in the state in 1914, Hartford reported 16.7 per cent and 19.2 per cent, respectively. The closing of a large automobile factory between 1909 and 1914 reduced the value of products of the automobile industry by a very large amount.

In New Britain the increases between 1909 and 1914 in value of products and in wage earners amounted to 5.5 per cent and 6 per cent, respectively. The chief industries of this city are the manufacture of hardware and of cutlery and tools. The value of the hardware made in New Britain in 1914 represented 38.5 per cent of the total value of products for all industries in the city, 31 per cent of the value of the hardware manufactured in the state as a whole, and 12.2 per cent of the value of that made in the entire United States. New Britain also reported a large output of wood screws; but figures for the manufacture of these products, as well as of cutlery, can not be given without disclosing the operations of individual establishments.

Ansonia, although ranking sixth among the cities of Connecticut in 1914, on the basis of value of products, ranked only eleventh on the basis of average number of wage earners. This discrepancy is due to the fact that in the manufacture of brass and bronze products, which contributed four-fifths of the total value of products made in Ansonia in 1914, the cost of raw materials represents an unusually large proportion of the value of the finished products, for which reason the value of products per wage earner is much higher than in most industries. The increases in the value of products and the average number of wage earners for all industries combined in this city, between 1909 and 1914, amounted to 7 per cent and 4.5 per cent, respectively. The value of brass and bronze products made in Ansonia in 1914 constituted 80.8 per cent of the value of products of all industries in the city, 25.1 per cent of the total value of the brass, bronze, and copper products of Connecticut, and 10.7 per cent of the total value of these products manufactured in the United States.

The industrial importance of Meriden, which ranks seventh in value of products among the cities of Connecticut, lies principally in its manufactures of silverware and plated ware, of gas and electric fixtures, of lamps, and of hardware. The value of silverware and plated ware made in this city in 1914 formed 39.2 per cent of the value of that manufactured in the state and 15.6 per cent of the value of that reported for the entire United States. Of gas and electric fixtures and of lamps, Meriden reported large percentages of the total products of the state, but the figures can not be shown separately without disclosing the operations of individual establishments.

In Torrington, which ranked eighth among the cities and boroughs of the state in value of products in 1914, the chief industry is the rolling of brass and copper. Other important industries are the manufacture of hardware, of motorcycles, bicycles, and parts, of foundry and machine-shop products, of lumber and timber products, and of sewing and knitting machine needles.

In Stamford, ranking ninth in 1914, the manufacture of hardware, chiefly locks, was the leading industry, followed by the manufacture of chocolate and cocoa products and of upholstering materials.

Danbury ranked tenth in 1914. The fur-felt hat industry, in which it has long been prominent, reported products valued at $7,065,765, or 18.9 per cent of the total for the United States. The manufacture of hat and cap materials is also an important industry.

Naugatuck, ranking eleventh in 1914, produced principally rubber boots and shoes and other rubber goods.

Willimantic, the twelfth city in value of products in 1914, is noted for its thread, cotton-cloth, and silk mills. The products of these mills represented 91.4 per cent of the entire value of manufactured products reported for the city.

In Norwalk the leading industries were the manufacture of fur-felt hats, corsets, and hardware; in Norwich, the manufacture of cotton goods, the dyeing and finishing of textiles, and the manufacture of silk goods and of paper; in Bristol, the manufacture of foundry and machine-shop products, of brass plates, sheets, rods, tubing, and wire, of clocks, and of watch and clock materials; in Middletown, the manufacture of suspenders, garters, and elastic woven goods, of foundry and machine-shop products, of rubber boots and shoes, of cotton goods, and of silk goods; and in New London the principal products were silk goods, foundry and machine-shop products, and house-furnishing goods (mainly bed comforts).

Character of ownership.—Table 14 presents statistics concerning the character of ownership, or legal organization, of manufacturing enterprises. For all industries combined, comparative figures are given for 1914, 1909, and 1904; for selected industries, statistics for 1914 and 1909 are shown; and for individual cities and boroughs the figures are for all industries combined and relate only to 1914. In order to avoid disclosing the operations of individual establishments, it is necessary to omit several important industries from this table.

Table 14

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.						Value of products.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—		Per cent of total.		
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1914	1,965	1,584	555	226,264	10,967	207,417	7,880	4.8	91.7	3.5	$545,471,517	$26,772,163	$498,799,077	$19,900,277	4.9	91.4	3.6
	1909	2,119	1,501	631	216,792	12,944	188,932	8,916	6.1	89.6	4.2	490,271,695	28,436,151	441,267,987	20,567,557	5.8	90.0	4.2
	1904	1,737	1,187	553	181,605	14,591	155,875	11,139	8.0	85.8	6.1	369,082,091	28,550,567	314,484,099	26,047,425	7.7	85.2	7.1
Automobiles, including bodies and parts.	1914	8	18	2	2,223	[1] 17	2,206	.....	0.8	99.2	.....	8,050,692	[1] 60,538	7,990,154	.....	0.8	99.2	.....
	1909	3	23	2	3,815	[1] 55	3,760	.....	1.4	98.6	.....	11,668,228	[1] 107,691	11,560,537	.....	0.9	99.1	.....
Boxes, fancy and paper	1914	14	26	2	2,196	[1] 400	1,796	.....	18.2	81.8	.....	3,741,735	[1] 506,398	3,235,337	.....	13.5	86.5	.....
	1909	14	21	3	1,849	[1] 406	1,443	.....	22.0	78.0	.....	2,910,697	[1] 452,028	2,458,669	.....	15.5	84.5	.....
Brass, bronze, and copper products.	1914	18	42	7	16,781	341	16,385	55	2.0	97.6	0.4	69,353,103	952,446	68,258,140	142,517	1.4	98.4	0.2
	1909	29	43	8	16,817	279	16,481	57	1.7	98.0	0.3	66,932,969	849,884	65,948,097	134,988	1.3	98.5	0.2
Bread and other bakery products.	1914	379	31	57	2,014	1,247	505	262	61.9	25.1	13.0	8,005,138	4,721,505	2,098,724	1,184,909	59.0	26.2	14.8
	1909	360	25	46	1,869	1,194	457	218	63.9	24.5	11.7	7,309,817	4,735,935	1,749,616	824,266	64.8	23.9	11.3

[1] Includes the group "all others."

Table 14—Continued.

Industry and city.	Census year.	Number of establishments owned by— Individuals.	Corporations.	All others.	Average number of wage earners. Total.	In establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.	Value of products. Total.	Of establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.
Clothing, men's, including shirts.	1914	11	5	12	1,305	74	915	316	5.7	70.1	24.2	$2,628,149	$92,378	$2,150,264	$385,507	3.5	81.8	14.7
	1909	14	6	8	751	104	573	74	13.8	76.3	9.9	1,362,312	214,012	945,395	202,905	15.7	69.4	14.9
Clothing, women's	1914	7	5	7	1,337	[1] 634	703	.....	47.4	52.6	.....	1,596,888	[1] 475,845	1,121,043	.....	29.8	70.2	.....
	1909	9	6	2	1,382	[1] 718	664	.....	52.0	48.0	.....	1,715,700	[1] 407,062	1,308,638	.....	23.7	76.3	.....
Copper, tin, and sheet-iron products.	1914	26	30	9	2,465	141	2,283	41	5.7	92.6	1.7	3,818,012	298,685	3,431,335	87,992	7.8	89.9	2.3
	1909	17	26	5	2,475	221	2,226	28	8.9	89.9	1.1	3,603,706	279,453	3,263,294	60,959	7.8	90.6	1.7
Corsets	1914	4	15	2	7,298	[1] 1,516	5,782	.....	20.8	79.2	.....	12,935,805	[1] 3,030,114	9,905,691	.....	23.4	76.6	.....
	1909	2	10	5	6,643	[1] 1,690	4,953	.....	25.4	74.6	.....	12,814,736	[1] 3,381,043	9,433,693	.....	26.4	73.6	.....
Cotton goods, including cotton small wares.	1914	8	36	6	15,466	493	14,112	861	3.2	91.2	5.6	30,808,918	1,087,109	27,591,675	2,130,134	3.5	89.6	6.9
	1909	7	38	7	14,360	457	13,536	367	3.2	94.3	2.6	24,231,881	1,215,338	22,529,312	487,231	5.0	93.0	2.0
Cutlery and tools, not elsewhere specified.	1914	17	55	4	7,568	74	7,490	4	1.0	98.9	0.1	11,541,307	128,585	11,402,107	10,615	1.1	98.8	0.1
	1909	23	52	7	7,547	157	7,342	48	2.1	97.3	0.6	10,716,918	255,121	10,389,137	72,660	2.4	96.9	0.7
Electrical machinery, apparatus, and supplies.	1914	5	38	.....	5,059	23	5,036	.....	0.5	99.5	.....	14,330,156	125,908	14,204,248	.....	0.9	99.1	.....
	1909	5	35	1	3,505	[1] 22	3,483	.....	0.6	99.4	.....	9,824,373	[1] 49,504	9,774,869	.....	0.5	99.5	.....
Flour-mill and gristmill products.	1914	51	18	16	113	54	38	21	47.8	33.6	18.6	1,881,481	696,768	937,003	247,710	37.0	49.8	13.2
	1909	50	19	29	145	61	46	38	42.1	31.7	26.2	2,023,909	650,072	916,101	457,736	32.1	45.3	22.6
Foundry and machine-shop products.	1914	93	256	39	39,369	735	38,276	358	1.9	97.2	0.9	67,009,127	1,441,093	64,681,021	887,013	2.2	96.5	1.3
	1909	108	251	42	37,736	875	36,398	463	2.3	96.5	1.2	65,535,155	1,912,871	62,504,443	1,117,841	2.9	95.4	1.7
Hats, fur-felt	1914	19	33	6	5,461	538	4,437	486	9.9	81.2	8.9	9,475,778	1,063,554	7,539,623	872,601	11.2	79.6	9.2
	1909	20	44	16	5,217	248	3,935	1,034	4.8	75.4	19.8	10,399,860	531,682	7,747,795	2,120,383	5.1	74.5	20.4
Liquors, malt	1914	5	11	2	539	[1] 130	409	.....	24.1	75.9	.....	5,029,541	[1] 905,830	4,123,711	.....	18.0	82.0	.....
	1909	5	12	2	475	[1] 107	368	.....	22.5	77.5	.....	4,426,061	[1] 734,864	3,691,197	.....	16.6	83.4	.....
Lumber and timber products.	1914	181	51	62	2,356	794	1,180	382	33.7	50.1	16.2	6,956,352	1,668,181	4,127,770	1,170,401	23.9	59.3	16.8
	1909	237	52	84	2,496	1,635	1,249	611	46.8	35.7	17.5	7,845,521	2,779,579	3,751,969	1,313,973	35.4	47.8	16.7
Paper and wood pulp	1914	4	37	3	1,898	65	1,782	51	3.4	93.9	2.7	5,968,797	148,809	5,702,441	117,547	2.5	95.5	2.0
	1909	9	36	6	1,726	188	1,371	161	10.9	79.7	9.4	5,527,334	405,647	4,630,321	491,366	7.3	83.8	8.9
Patent medicines and compounds and druggists' preparations.	1914	16	21	6	327	17	306	4	5.2	93.6	1.2	2,062,727	77,072	1,956,317	29,338	3.8	94.8	1.4
	1909	24	33	7	237	42	186	9	17.7	78.5	3.8	1,341,567	188,067	1,093,133	60,367	14.0	81.5	4.5
Printing and publishing	1914	197	115	52	2,838	573	2,065	200	20.2	72.8	7.0	7,712,615	1,526,305	5,684,774	501,536	19.8	73.7	6.5
	1909	211	94	58	2,878	768	1,823	287	26.7	63.3	10.0	6,370,450	1,655,722	4,208,438	506,290	26.0	66.1	7.9
Shipbuilding, including boat building.	1914	24	10	3	514	[1] 54	460	.....	10.5	89.5	.....	1,665,293	[1] 111,375	1,553,918	.....	6.7	93.3	.....
	1909	28	11	4	427	[1] 109	318	.....	31.2	68.8	.....	742,254	[1] 255,411	486,843	.....	52.0	48.0	.....
Silk goods, including throwsters.	1914	8	30	6	10,668	605	9,855	208	5.7	92.4	1.9	30,591,825	1,633,023	28,637,731	321,071	5.3	93.6	1.1
	1909	8	29	10	8,703	633	7,447	623	7.3	85.6	7.2	21,062,687	1,030,757	18,922,194	1,109,736	4.9	89.8	5.3
Silverware and plated ware.	1914	2	30	1	6,465	[1] 21	6,444	.....	0.3	99.7	.....	15,238,821	[1] 24,485	15,214,336	.....	0.2	99.8	.....
	1909	3	27	1	6,223	[1] 31	6,192	.....	0.5	99.5	.....	15,836,608	[1] 49,601	15,787,007	.....	0.3	99.7	.....
Tobacco manufactures	1914	222	8	26	1,570	950	115	505	60.5	7.3	32.2	3,149,361	1,959,926	180,384	1,008,991	62.3	5.7	32.0
	1909	229	8	28	1,513	1,000	110	403	66.1	7.3	26.6	2,738,330	1,795,742	201,834	740,754	65.6	7.4	27.0
Woolen, worsted, and felt goods.	1914	4	44	5	7,350	475	6,548	327	6.5	89.1	4.4	17,128,975	1,131,396	15,367,142	630,437	6.6	89.7	3.7
	1909	9	40	7	7,789	665	6,729	395	8.5	86.4	5.1	19,363,228	1,484,710	16,905,533	972,985	7.7	87.3	5.0
Total for cities	1914	1,211	1,625	362	159,966	9,634	144,971	5,361	6.0	90.6	3.4	390,821,254	16,930,833	360,068,335	13,822,086	4.3	92.1	3.5
Ansonia	1914	25	13	4	4,312	313	3,987	12	7.3	92.5	0.3	21,499,441	778,637	20,681,504	39,300	3.6	96.2	0.2
Bridgeport	1914	166	187	52	30,042	918	28,848	276	3.1	96.0	0.9	85,126,193	2,631,305	81,471,162	1,023,726	3.1	95.7	1.2
Bristol	1914	55	28	7	4,180	156	3,988	36	3.7	95.4	0.9	7,898,287	401,160	7,426,426	70,701	5.1	94.0	0.9
Danbury	1914	55	48	23	5,304	697	3,938	669	13.1	74.3	12.6	10,601,841	1,432,547	7,815,139	1,354,155	13.5	73.7	12.8
Hartford	1914	177	143	60	17,137	1,123	15,265	749	6.6	89.0	4.4	42,831,350	2,555,638	37,758,482	2,517,230	6.0	88.1	5.9
Meriden	1914	59	56	12	8,166	301	7,771	94	3.7	95.2	1.1	16,745,924	839,168	15,732,472	174,284	5.0	93.9	1.1
Middletown	1914	37	25	10	2,389	107	2,187	95	4.5	91.5	4.0	5,642,667	258,805	5,124,998	258,864	4.6	90.8	4.6
Naugatuck	1914	11	15	2	3,539	[1] 35	3,504	.....	1.0	99.0	.....	9,574,602	[1] 126,414	9,448,188	.....	1.3	98.7	.....
New Britain	1914	64	45	11	14,320	388	13,905	27	2.7	97.1	0.2	23,227,004	866,781	22,273,246	86,977	3.7	95.9	0.4
New Haven	1914	253	199	86	24,993	1,499	21,319	2,175	6.0	85.3	8.7	57,751,729	3,764,005	49,090,081	4,897,643	6.5	85.0	8.5
New London	1914	38	29	13	2,154	101	1,881	172	4.7	87.3	8.0	4,940,004	233,086	4,548,418	158,500	4.7	92.1	3.2
Norwalk	1914	54	36	17	4,963	413	4,047	503	8.3	81.5	10.1	9,009,401	869,163	7,047,016	1,093,222	9.6	78.2	12.1
Norwich	1914	56	37	12	4,074	330	3,646	98	8.1	89.5	2.4	8,470,767	626,307	7,567,578	276,882	7.4	89.3	3.3
Stamford	1914	33	40	10	5,723	309	5,221	193	5.4	91.2	3.4	12,963,860	462,655	11,678,261	822,944	3.6	90.1	6.3
Torrington	1914	26	16	12	4,974	55	4,815	104	1.1	96.8	2.1	14,314,822	206,690	13,907,488	200,644	1.4	97.2	1.4
Waterbury	1914	77	93	20	20,189	208	19,893	88	1.0	98.5	0.4	50,659,162	733,056	49,674,223	251,883	1.4	98.1	0.5
Willimantic	1914	25	15	11	3,507	2,681	756	70	76.4	21.6	2.0	9,564,200	145,416	8,823,653	595,131	1.5	92.3	6.2

[1] Includes the group "all others."

For all industries combined, 38.6 per cent of the total number of establishments were under corporate ownership in 1914, as against 35.3 per cent in 1909 and 34.1 per cent in 1904. The corporations, however, reported much larger proportions of the total values of products—91.4 per cent for 1914, 90 per cent for 1909, and 85.2 per cent for 1904.

The only industries in which establishments under individual ownership reported a greater value of output for 1914 than was reported by the corporations were the manufacture of tobacco and of bread and other bakery products. In the former, 62.3 per cent of the value of products was reported for 1914 by establishments under individual ownership, as compared with 65.6 per cent for 1909; and in the latter, 59 per cent was thus reported for the later year, as compared with 64.8 per cent for the earlier year. In the fur-felt hat industry the output of individual organizations doubled between 1909 and 1914, the proportion which the output of these establishments formed of the total for the industry rising from 5.1 to 11.2 per cent.

For the 17 cities and boroughs of the state, taken as a group, more than nine-tenths of the value of products made by manufacturing establishments in 1914 was reported by corporations. In Naugatuck 98.7 per cent of the total value was thus reported; in Waterbury, 98.1 per cent; in Torrington, 97.2 per cent; in Ansonia, 96.2 per cent; in New Britain, 95.9 per cent; and in Bridgeport, 95.7 per cent. The smallest proportion for this form of ownership—73.7 per cent—appears for Danbury. The only other cities in which the corporations reported less than 90 per cent of the total value of products were Norwalk, New Haven, Hartford, and Norwich.

Size of establishments.—The tendency for manufacturing to become concentrated in large establishments, or the reverse, is indicated by the statistics given in Table 15.

Table 15 VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
All classes	4,104	4,251	3,477	226,264	210,792	181,605	$545,471,517	$490,271,695	$369,082,091	$256,960,631	$233,012,302	$177,780,210
Less than $5,000	1,248	1,312	932	1,213	1,629	1,338	2,979,306	3,047,313	2,297,644	1,898,141	1,986,061	1,459,806
$5,000 to $20,000	1,232	1,296	1,099	5,808	6,514	5,981	12,786,086	13,621,192	11,676,232	7,108,153	7,709,840	6,871,487
$20,000 to $100,000	861	909	827	18,579	19,981	19,838	39,487,980	40,437,942	37,466,372	20,696,093	21,893,012	20,753,487
$100,000 to $1,000,000	657	641	554	94,257	87,295	88,202	210,068,442	191,603,190	159,950,425	104,810,249	97,294,219	82,214,624
$1,000,000 and over	106	93	65	106,407	95,373	66,246	280,149,703	211,562,058	157,691,418	122,447,995	104,129,170	66,480,806
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	30.4	30.9	26.8	0.5	0.8	0.7	0.5	0.6	0.6	0.7	0.9	0.8
$5,000 to $20,000	30.0	30.5	31.6	2.6	3.1	3.3	2.3	2.8	3.2	2.8	3.3	3.9
$20,000 to $100,000	21.0	21.4	23.8	8.2	9.5	10.9	7.2	8.2	10.2	8.1	9.4	11.7
$100,000 to $1,000,000	16.0	15.1	15.9	41.7	41.4	48.6	38.5	39.1	43.3	40.8	41.8	46.2
$1,000,000 and over	2.6	2.2	1.9	47.0	45.2	36.5	51.4	49.3	42.7	47.6	44.7	37.4

For 1914, 763 establishments, or 18.6 per cent of the total number in the state, each reported products exceeding $100,000 in value, as compared with 734, or 17.3 per cent of the total, in 1909, and 619, or 17.8 per cent, in 1904. In 1914 these establishments reported 88.7 per cent of the total average number of wage earners for the state, 89.9 per cent of the total value of products, and 88.4 per cent of the total value added by manufacture. The small establishments—those having products valued at less than $5,000 in 1914—represented 30.4 per cent of the total number of establishments, but reported only five-tenths of 1 per cent of the total average number of wage earners and the value of products, and seven-tenths of 1 per cent of the value added by manufacture.

Table 16 gives, for 1904 and 1909, for 11 of the more important industries, a classification of establishments, wage earners, value of products, and value added by manufacture similar to that presented in Table 15 for all industries combined.

Table 16 INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.	
			1914	1909			1914	1909			1914	1909			1914	1909
BRASS, BRONZE, AND COPPER PRODUCTS	67	80	100.0	100.0	16,781	16,817	100.0	100.0	$69,353,103	$66,932,969	100.0	100.0	$15,467,331	$19,069,029	100.0	100.0
Less than $5,000	9	12	13.4	15.0	8	7	(1)	(1)	19,853	29,179	(1)	(1)	9,638	15,115	0.1	0.1
$5,000 to $20,000	12	23	17.9	28.8	46	82	0.3	0.5	117,621	219,529	0.2	0.3	55,061	95,094	0.3	0.5
$20,000 to $100,000	15	15	22.4	18.8	287	206	1.7	1.2	808,203	576,023	1.2	0.9	357,218	280,375	2.3	1.5
$100,000 to $1,000,000	19	17	28.4	21.2	2,176	1,821	13.0	10.8	6,300,615	5,039,577	9.1	7.5	2,055,786	1,997,609	13.3	10.5
$1,000,000 and over	12	13	17.9	16.2	14,264	14,701	85.0	87.4	62,106,811	61,077,661	89.5	91.3	12,989,628	16,674,836	84.0	87.4
BREAD AND OTHER BAKERY PRODUCTS	467	431	100.0	100.0	2,014	1,869	100.0	100.0	8,005,138	7,309,817	100.0	100.0	3,344,158	2,846,908	100.0	100.0
Less than $5,000	116	107	24.8	24.8	66	62	3.3	3.3	344,053	290,263	4.3	4.0	147,550	132,789	4.4	4.7
$5,000 to $20,000	252	219	54.0	50.8	688	597	34.2	31.9	2,632,651	2,378,743	32.9	32.5	1,087,626	958,914	32.5	33.7
$20,000 to $100,000	88	96	18.8	22.3	893	842	44.3	45.0	3,444,259	3,214,366	43.0	44.0	1,369,596	1,222,262	41.0	42.9
$100,000 and over	[2]11	9	2.4	2.1	367	368	18.2	19.7	1,584,175	1,426,445	19.8	19.5	739,386	532,913	22.1	18.7

[1] Less than one-tenth of 1 per cent.

[2] Includes the group "$1,000,000 and over."

Table 16—Continued.

Industry and value of product.	Number of establishments.				Average number of wage earners.				Value of products.				Value added by manufacture.			
	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909
Cotton goods, including cotton small wares	50	52	100.0	100.0	15,466	14,360	100.0	100.0	$30,808,918	$24,231,881	100.0	100.0	$13,474,040	$12,272,159	100.0	100.0
Less than $20,000[1]	5	3	10.0	5.8	22	17	0.1	0.1	24,546	21,228	0.1	0.1	11,059	8,879	0.1	0.1
$20,000 to $100,000	6	11	12.0	21.2	177	364	1.1	2.5	362,279	585,736	1.2	2.4	146,103	242,105	1.1	2.0
$100,000 to $1,000,000	33	34	66.0	65.4	8,615	8,969	55.7	62.5	14,852,456	14,132,352	48.2	58.3	5,969,194	6,787,837	44.3	55.3
$1,000,000 and over	6	4	12.0	7.7	6,652	5,010	43.0	34.9	15,569,637	9,492,565	50.5	39.2	7,344,684	5,233,338	54.5	42.6
Cutlery and tools, not elsewhere specified	76	82	100.0	100.0	7,568	7,547	100.0	100.0	11,541,307	10,716,918	100.0	100.0	7,573,158	7,406,943	100.0	100.0
Less than $5,000	18	16	23.7	19.5	34	27	0.4	0.4	49,340	36,522	0.4	0.3	37,733	27,538	0.5	0.4
$5,000 to $20,000	17	19	22.4	23.2	110	143	1.5	1.9	172,610	177,516	1.5	1.7	126,795	114,387	1.7	1.5
$20,000 to $100,000	19	24	25.0	29.3	814	885	10.8	11.7	1,059,293	1,204,084	9.2	11.2	731,288	811,859	9.7	11.0
$100,000 and over[2]	22	23	28.9	28.0	6,610	6,492	87.3	86.0	10,260,064	9,298,796	88.9	86.8	6,677,342	6,453,159	88.2	87.1
Electrical machinery, apparatus, and supplies	43	41	100.0	100.0	5,059	3,505	100.0	100.0	14,330,156	9,824,373	100.0	100.0	6,894,026	4,613,069	100.0	100.0
Less than $5,000	4	5	9.3	12.2	6	9	0.1	0.3	9,858	14,886	0.1	0.2	4,333	7,645	0.1	0.2
$5,000 to $20,000	9	10	20.9	24.4	42	50	0.8	1.4	109,696	132,232	0.8	1.3	64,740	64,523	0.9	1.4
$20,000 to $100,000	6	6	14.0	14.6	138	195	2.7	5.6	340,774	370,003	2.4	3.8	161,153	236,000	2.3	5.1
$100,000 to $1,000,000	21	20	48.8	48.8	3,509	3,251	69.4	92.8	9,785,952	9,307,252	68.3	94.7	4,834,604	4,304,901	70.1	93.3
$1,000,000 and over	3	.....	7.0	.....	1,364	.....	27.0	.....	4,083,876	.....	28.5	.....	1,829,196	.....	26.5	.....
Foundry and machine-shop products	388	403	100.0	100.0	39,369	37,736	100.0	100.0	67,009,127	65,515,155	100.0	100.0	41,858,169	40,715,099	100.0	100.0
Less than $5,000	64	64	16.5	15.9	76	82	0.2	0.2	164,473	163,445	0.2	0.2	116,589	119,125	0.3	0.3
$5,000 to $20,000	95	100	24.5	24.8	572	585	1.5	1.6	1,057,731	1,044,209	1.6	1.6	692,931	697,573	1.6	1.7
$20,000 to $100,000	114	123	29.4	30.5	2,846	3,311	7.2	8.8	5,547,737	6,163,133	8.3	9.4	3,270,217	3,847,650	7.8	9.5
$100,000 to $1,000,000	101	102	26.0	25.3	16,469	15,500	41.8	41.1	30,505,705	29,772,161	45.5	45.4	18,162,405	18,008,882	43.4	44.2
$1,000,000 and over	14	14	3.6	3.5	19,406	18,258	49.3	48.4	29,733,481	28,372,207	44.4	43.3	19,616,027	18,041,869	46.9	44.3
Hats, fur-felt	58	80	100.0	100.0	5,461	5,217	100.0	100.0	9,475,778	10,399,860	100.0	100.0	4,842,504	5,550,877	100.0	100.0
Less than $5,000	9	11	15.5	13.8	10	20	0.2	0.4	13,960	36,917	0.2	0.4	6,799	18,958	0.1	0.3
$5,000 to $20,000	7	9	12.1	11.2	46	46	0.8	0.9	68,587	99,846	0.7	1.0	33,723	46,759	0.7	0.8
$20,000 to $100,000	16	24	27.6	30.0	628	592	11.5	11.3	855,246	1,128,473	9.0	10.9	347,743	582,476	7.2	10.5
$100,000 and over	[2] 26	36	44.8	45.0	4,777	4,559	87.5	87.4	8,537,985	9,134,624	90.1	87.8	4,454,239	4,902,684	92.0	88.3
Lumber and timber products	295	393	100.0	100.0	2,356	3,495	100.0	100.0	6,966,352	7,845,521	100.0	100.0	3,290,903	3,927,063	100.0	109.0
Less than $5,000	117	177	39.7	45.0	134	356	5.7	10.2	251,362	394,592	3.6	5.0	175,017	284,174	5.5	7.2
$5,000 to $20,000	116	131	39.3	33.3	587	960	24.9	27.5	1,204,788	1,460,527	17.3	18.6	755,416	967,651	23.6	24.6
$20,000 to $100,000	49	75	16.6	19.1	875	1,477	37.1	42.3	2,092,336	2,960,043	30.0	37.7	1,095,679	1,637,868	34.2	41.7
$100,000 and over	[2] 13	10	4.4	2.5	760	702	32.3	20.1	3,417,866	3,030,359	49.1	38.6	1,174,791	1,037,370	36.7	26.4
Printing and publishing	364	363	100.0	100.0	2,838	2,878	100.0	100.0	7,712,615	6,370,450	100.0	100.0	5,517,400	4,601,233	100.0	100.0
Less than $5,000	169	189	46.4	52.1	173	230	6.1	8.0	408,648	433,545	5.3	6.8	325,901	330,907	5.9	7.2
$5,000 to $20,000	107	98	29.4	27.0	466	519	16.4	18.0	981,051	935,286	12.7	14.7	708,988	709,957	12.9	15.4
$20,000 to $100,000	70	65	19.2	17.9	1,211	1,344	42.7	46.7	3,093,429	3,034,083	40.1	47.6	2,247,690	2,197,071	40.7	47.7
$100,000 and over	[2] 18	11	4.9	3.0	988	785	34.8	27.3	3,229,487	1,967,536	41.9	30.9	2,234,821	1,363,298	40.5	29.6
Silk goods, including throwsters	44	47	100.0	100.0	10,668	8,703	100.0	100.0	30,591,825	21,062,687	100.0	100.0	12,185,573	9,228,342	100.0	100.0
Less than $20,000[1]	9	8	20.4	17.0	110	151	1.0	1.7	77,879	68,399	0.2	0.3	56,795	62,169	0.5	0.7
$20,000 to $100,000	9	16	20.5	34.0	353	576	3.3	6.6	451,729	788,698	1.5	3.7	241,706	409,374	2.0	4.4
$100,000 to $1,000,000	17	17	38.6	36.2	2,496	2,514	23.4	28.9	6,994,209	6,276,262	22.9	29.8	2,393,808	2,605,388	19.6	28.2
$1,000,000 and over	9	6	20.5	12.8	7,709	5,462	72.3	62.8	23,068,008	13,929,328	75.4	66.1	9,493,264	6,151,411	77.9	66.7
Silverware and plated ware	33	31	100.0	100.0	6,465	6,223	100.0	100.0	15,238,821	15,836,608	100.0	100.0	7,857,204	8,604,607	100.0	100.0
$5,000 to $20,000	4	5	12.1	16.1	36	33	0.6	0.5	38,442	37,209	0.2	0.2	21,145	17,703	0.3	0.2
$20,000 to $100,000	7	6	21.2	19.4	179	209	2.8	3.4	314,419	275,313	2.1	1.7	191,758	157,079	2.4	1.8
$100,000 to $1,000,000	18	15	54.5	48.4	2,955	2,560	45.7	41.1	6,659,593	5,358,479	43.7	33.8	3,482,811	3,330,662	44.3	38.7
$1,000,000 and over	4	5	12.1	16.1	3,295	3,421	51.0	55.0	8,226,367	10,165,607	54.0	64.2	4,161,490	5,099,163	53.0	59.3

[1] Includes the group "less than $5,000."

[2] Includes the group "$1,000,000 and over."

In 7 of the 11 industries covered by this table, increases appear in the number of establishments for the period 1909–1914, for the most part among the three groups of establishments with products valued at less than $100,000.

In all but two of the industries having products valued at $100,000 and over, increases are shown in value of products, the two industries showing decreases in this respect being fur-felt hats and silverware and plated ware. In this class of establishments, lumber and timber products and printing and publishing show the largest increases since 1909 in the proportion of the average number of wage earners, value of products, and value added by manufacture.

Table 17 presents, for 1914, for all industries combined in each of the 17 cities and boroughs having more than 10,000 inhabitants, statistics similar to those given in Table 15 for the state as a whole.

Table 17

City and value of product.	Number of establishments.	Wage earners. Average number.	Wage earners. Per cent of total.	Value of products. Amount.	Value of products. Per cent of total.	Value added by manufacture. Amount.	Value added by manufacture. Per cent of total.
ANSONIA	42	4,312	100.0	$21,499,441	100.0	$4,287,884	100.0
Less than $5,000	16	16	0.4	44,145	0.2	26,330	0.6
$5,000 to $20,000	14	75	1.7	147,303	0.7	81,518	1.9
$20,000 to $100,000	5	135	3.1	233,262	1.1	164,256	3.8
$100,000 and over[1]	7	4,086	94.8	21,074,731	98.0	4,015,780	93.7
BRIDGEPORT	405	30,042	100.0	85,126,193	100.0	40,394,446	100.0
Less than $5,000	100	87	0.3	244,355	0.3	148,205	0.4
$5,000 to $20,000	118	525	1.7	1,242,561	1.4	736,535	1.8
$20,000 to $100,000	89	1,676	5.6	4,053,308	4.8	2,069,683	5.1
$100,000 to $1,000,000	82	9,426	31.4	23,168,992	27.2	12,347,675	30.6
$1,000,000 and over	16	18,328	61.0	56,416,977	66.3	25,092,348	62.1
BRISTOL	90	4,180	100.0	7,898,287	100.0	3,991,811	100.0
Less than $5,000	35	22	0.5	86,779	1.1	52,064	1.3
$5,000 to $20,000	29	89	2.1	267,964	3.4	123,591	3.1
$20,000 to $100,000	13	294	7.1	492,591	6.2	299,447	7.5
$100,000 and over[1]	13	3,775	90.3	7,050,953	89.3	3,516,709	88.1
DANBURY	126	5,304	100.0	10,601,841	100.0	4,788,200	100.0
Less than $5,000	33	48	0.9	83,370	0.8	53,497	1.1
$5,000 to $20,000	31	136	2.6	288,578	2.7	158,294	3.3
$20,000 to $100,000	35	875	16.5	1,665,068	15.7	769,008	16.1
$100,000 and over[1]	27	4,245	80.0	8,564,825	80.8	3,807,401	79.5
HARTFORD	380	17,137	100.0	42,831,350	100.0	25,187,495	100.0
Less than $5,000	98	75	0.4	228,043	0.5	162,173	0.6
$5,000 to $20,000	118	573	3.3	1,254,022	2.9	777,885	3.1
$20,000 to $100,000	94	1,931	11.3	4,387,856	10.3	2,389,176	9.5
$100,000 to $1,000,000	63	6,963	40.6	19,643,713	45.9	10,807,848	42.9
$1,000,000 and over	7	7,595	44.3	17,317,716	40.4	11,050,413	43.9
MERIDEN	127	8,166	100.0	16,745,924	100.0	9,710,523	100.0
Less than $5,000	36	38	0.5	98,928	0.6	57,370	0.6
$5,000 to $20,000	40	215	2.6	405,613	2.4	234,187	2.4
$20,000 to $100,000	23	430	5.3	1,051,536	6.3	660,477	6.8
$100,000 to $1,000,000	24	4,238	51.9	7,784,721	46.5	4,845,205	49.9
$1,000,000 and over	4	3,245	39.7	7,405,126	44.2	3,913,284	40.3
MIDDLETOWN	72	2,389	100.0	5,642,667	100.0	2,384,765	100.0
Less than $5,000	25	10	0.4	54,026	1.0	34,533	1.5
$5,000 to $20,000	19	73	3.1	185,960	3.3	119,613	5.0
$20,000 to $100,000	18	299	12.5	795,763	14.1	465,555	19.5
$100,000 and over[1]	10	2,007	84.0	4,606,918	81.6	1,765,064	74.0
NAUGATUCK	28	3,539	100.0	9,574,602	100.0	4,623,306	100.0
Less than $5,000	4	2	0.1	7,391	0.1	5,917	0.1
$5,000 to $20,000	12	50	1.4	158,634	1.7	82,561	1.8
$20,000 to $100,000	6	152	4.3	260,832	2.7	127,612	2.8
$100,000 and over[1]	6	3,335	94.2	9,147,745	95.5	4,407,216	95.3
NEW BRITAIN	120	14,320	100.0	23,227,004	100.0	14,842,362	100.0
Less than $5,000	37	44	0.3	104,804	0.5	64,549	0.4
$5,000 to $20,000	36	180	1.3	402,962	1.7	209,077	1.4
NEW BRITAIN—Con.							
$20,000 to $100,000	23	566	4.0	$1,070,031	4.6	$548,589	3.7
$100,000 to $1,000,000	17	3,367	23.5	5,450,891	23.5	3,324,243	22.4
$1,000,000 and over	7	10,163	71.0	16,198,316	69.7	10,695,904	72.1
NEW HAVEN	538	24,993	100.0	57,751,729	100.0	30,434,910	100.0
Less than $5,000	161	144	0.6	390,119	0.6	266,480	0.9
$5,000 to $20,000	167	710	2.8	1,750,525	3.0	988,644	3.2
$20,000 to $100,000	135	2,683	10.7	6,005,418	10.4	3,165,564	10.4
$100,000 to $1,000,000	66	8,208	32.8	18,834,003	32.6	10,835,010	35.6
$1,000,000 and over	9	13,248	53.0	30,771,664	53.3	15,179,212	49.9
NEW LONDON	80	2,154	100.0	4,940,004	100.0	2,109,093	100.0
Less than $5,000	25	31	1.4	57,006	1.2	37,625	1.8
$5,000 to $20,000	29	127	5.9	278,954	5.6	148,931	7.1
$20,000 to $100,000	13	389	18.1	638,245	12.9	397,076	18.8
$100,000 and over[1]	13	1,607	74.6	3,965,799	80.3	1,525,461	72.3
NORWALK	107	4,963	100.0	9,009,401	100.0	4,690,102	100.0
Less than $5,000	26	29	0.6	55,058	0.6	36,517	0.8
$5,000 to $20,000	35	153	3.1	299,092	3.3	158,509	3.4
$20,000 to $100,000	27	702	14.1	1,314,030	14.6	683,179	14.5
$100,000 and over[1]	19	4,079	82.2	7,341,221	81.5	3,811,897	81.3
NORWICH	105	4,074	100.0	8,470,767	100.0	3,965,269	100.0
Less than $5,000	36	44	1.1	103,488	1.2	66,727	1.7
$5,000 to $20,000	31	166	4.1	282,193	3.3	160,388	4.0
$20,000 to $100,000	22	436	10.7	1,080,184	12.8	543,389	13.7
$100,000 and over[1]	16	3,428	84.1	7,004,902	82.7	3,194,765	80.6
STAMFORD	83	5,723	100.0	12,963,860	100.0	6,590,316	100.0
Less than $5,000	22	21	0.4	54,970	0.4	32,052	0.5
$5,000 to $20,000	20	121	2.1	202,213	1.6	119,490	1.8
$20,000 to $100,000	23	640	11.2	1,071,948	8.3	590,410	9.0
$100,000 to $1,000,000	15	1,252	21.9	4,051,096	31.2	1,735,178	26.3
$1,000,000 and over	3	3,689	64.4	7,583,633	58.5	4,113,186	62.4
TORRINGTON	54	4,974	100.0	14,314,822	100.0	5,150,216	100.0
Less than $5,000	18	15	0.3	40,467	0.3	22,487	0.4
$5,000 to $20,000	19	76	1.5	191,954	1.3	88,004	1.7
$20,000 to $100,000	6	53	1.1	207,080	1.5	102,566	2.0
$100,000 and over[1]	11	4,830	97.1	13,875,321	96.9	4,937,159	95.9
WATERBURY	190	20,189	100.0	50,659,162	100.0	19,041,448	100.0
Less than $5,000	52	51	0.3	140,843	0.3	92,243	0.5
$5,000 to $20,000	49	208	1.0	507,565	1.0	264,002	1.4
$20,000 to $100,000	40	641	3.2	1,826,900	3.6	886,934	4.7
$100,000 to $1,000,000	41	6,864	34.0	13,881,730	27.4	7,257,306	38.1
$1,000,000 and over	8	12,425	61.5	34,302,124	67.7	10,540,963	55.4
WILLIMANTIC	51	3,507	100.0	9,564,200	100.0	4,979,110	100.0
Less than $5,000	20	20	0.6	37,407	0.4	24,243	0.5
$5,000 to $20,000	13	41	1.2	141,973	1.5	76,244	1.5
$20,000 to $100,000	11	258	7.3	492,831	5.1	266,385	5.4
$100,000 and over[1]	7	3,188	90.9	8,891,989	93.0	4,612,238	92.6

[1] Includes the group "$1,000,000 and over."

It is impossible to show for every city the group "$1,000,000 and over" without disclosing the operations of individual establishments; but among the seven cities for which this group is given, the largest proportion of the total value of products reported for the establishments constituting it, 69.7 per cent, appears for New Britain, and the next largest, 67.7 per cent, for Waterbury. The smallest proportion shown is that for Hartford, 40.4 per cent.

Table 18 shows the size of the establishments in 1914 as measured by the number of wage earners employed, for all industries combined, for 29 of the more important industries, and for each of the 17 cities and boroughs having more than 10,000 inhabitants.

Table 19 presents, for 1914, percentages based on the figures in Table 18, and for 1909 similar percentages, for all industries combined, and for individual industries in the state as a whole.

There were 492 establishments, or 12 per cent of the total, in operation in 1914 in which no wage earners were employed. These are small establishments in which the work is done for the most part by the proprietors or firm members. In some cases a few wage earners were employed for short periods, but the number was so small and the period so short that in computing the average number, as described in the "Explanation of terms," no wage earners could be shown for the establishments. The majority of these small establishments were reported in the flour-mill and gristmill, lumber and timber, and job printing industries.

Of the 4,104 establishments reported for all industries for 1914, 2,539, or 61.9 per cent, employed from 1 to 20 wage earners each, the combined number of wage earners reported by them, 12,889, representing 5.7 per cent of the total for all establishments; 624, or

15.2 per cent, employed from 21 to 100 wage earners each, or an aggregate of 28,925, this number forming 12.8 per cent of the total for all establishments. Of the remaining establishments, 368, or 9 per cent of all in the state, employed from 101 to 500, aggregating 79,564, or 35.2 per cent of the total, and 81, or 2 per cent, employed more than 500 wage earners, aggregating 104,886, or 46.4 per cent.

The large establishments—those employing more than 1,000 wage earners—were engaged in the manufacture of foundry and machine-shop products; brass, bronze, and copper products; firearms and ammunition; corsets; silk goods; cotton goods; typewriters and supplies; clocks and watches; cutlery and tools; silverware and plated ware; and automobiles.

The highest percentages of wage earners reported by any city or borough, of the total for the state, in establishments employing more than 1,000 wage earners, are shown for Bridgeport, 22.8 per cent; New Haven, 16.4 per cent; and Waterbury, 14.7 per cent. Of the wage earners in all establishments in any city or borough, Torrington and Ansonia have the highest percentages, 93.9 and 93.5 per cent respectively, in establishments employing more than 100 wage earners.

Table 18

Industry and city.	Total.		Establishments employing—						
			No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	4,104	226,264	492	1,761	4,052	778	8,837	404	13,161
Automobiles, including bodies and parts	28	2,223	1	8	10	6	69	5	159
Boxes, fancy and paper	42	2,196	.....	5	14	9	132	18	602
Brass, bronze, and copper products	67	16,781	3	18	40	9	95	13	420
Bread and other bakery products	467	2,014	59	317	762	77	758	12	364
Clocks and watches, including cases and materials	15	6,599	.....	2	6	1	19	2	51
Copper, tin, and sheet-iron products	65	2,465	4	27	76	12	102	10	320
Corsets	21	7,298	.....	1	2	7	87	2	75
Cotton goods, including cotton small wares	50	15,466	1	1	3	4	33	5	163
Cutlery and tools, not elsewhere specified	76	7,568	5	19	39	15	174	8	273
Dyeing and finishing textiles	12	1,764	.....	1	2	3	40	4	113
Electrical machinery, apparatus, and supplies	43	5,059	1	11	38	6	75	3	101
Firearms and ammunition	13	10,863	.....	.....	.....	4	45	.....	.....
Foundry and machine-shop products	388	39,309	20	97	254	99	1,188	68	2,312
Furnishing goods, men's	17	3,112	1	3	6	1	20	2	77
Gas and electric fixtures and lamps	16	2,391	.....	4	9	3	38	3	102
Hats, fur-felt	58	5,461	2	9	15	9	103	8	286
Hosiery and knit goods	25	2,904	.....	4	10	4	65	1	26
Iron and steel forgings	17	1,573	.....	4	10	2	27	3	116
Lumber and timber products	295	2,356	14	182	380	72	779	20	595
Musical instruments, pianos and organs and materials	19	2,267	.....	2	5	3	31	5	210
Needles, pins, and hooks and eyes	12	3,068	.....	1	4	3	31	1	33
Paper and wood pulp	44	1,898	.....	.....	.....	15	179	19	611
Printing and publishing	364	2,858	92	161	401	76	871	25	800
Rubber goods, not elsewhere specified	18	2,485	.....	2	10	6	69	3	99
Silk goods, including throwsters	44	10,658	.....	4	9	6	84	7	219
Silverware and plated ware	33	6,465	.....	1	3	6	83	4	156
Tobacco manufactures	256	1,570	89	124	270	27	254	10	295
Typewriters and supplies	7	4,662	.....	.....	.....	.....	.....	2	44
Woolen, worsted, and felt goods	53	7,350	.....	.....	.....	4	58	6	214
All other industries	1,539	45,501	200	753	1,674	289	3,328	135	4,325
Total for cities	2,598	159,966	316	1,079	2,588	535	6,097	248	8,120
Ansonia	42	4,312	5	22	51	4	31	3	91
Bridgeport	405	30,042	43	162	405	79	938	44	1,572
Bristol	60	4,180	17	44	84	11	154	4	109
Danbury	126	5,304	8	49	120	32	387	10	369
Hartford	380	17,137	46	143	355	98	1,084	42	1,390
Meriden	127	8,166	18	48	130	26	276	9	219
Middletown	72	2,389	15	30	77	14	161	5	140
Naugatuck	28	3,539	3	10	24	6	70	4	155
New Britain	120	14,320	8	61	137	15	191	12	407
New Haven	538	24,993	90	212	518	124	1,396	51	1,558
New London	80	2,154	3	44	101	14	132	8	255
Norwalk	107	4,963	10	42	102	22	214	12	376
Norwich	105	4,074	8	53	125	21	257	10	333
Stamford	83	5,723	10	27	58	17	219	13	442
Torrington	54	4,974	7	28	51	8	93	.....	.....
Waterbury	190	20,189	17	80	206	36	427	18	596
Willimantic	51	3,507	8	24	44	8	67	3	108

Table 18—Continued.

INDUSTRY AND CITY.	ESTABLISHMENTS EMPLOYING— 51 to 100 wage earners. Establishments.	Wage earners.	101 to 250 wage earners. Establishments.	Wage earners.	251 to 500 wage earners. Establishments.	Wage earners.	501 to 1,000 wage earners. Establishments.	Wage earners.	Over 1,000 wage earners. Establishments.	Wage earners.
All industries	220	15,764	251	39,523	117	40,041	39	28,106	42	76,780
Automobiles, including bodies and parts	4	304	2	233	1	283			1	1,145
Boxes, fancy and paper	8	555	1	188			1	695		
Brass, bronze, and copper products	7	462	3	590	6	2,135	1	951	7	12,088
Bread and other bakery products	2	130								
Clocks and watches, including cases and materials	3	207	1	217	2	764	2	1,331	2	4,004
Copper, tin, and sheet-iron products	6	440	3	397	3	1,130				
Corsets	2	155	2	254	3	1,120	1	521	3	5,084
Cotton goods, including cotton small wares	4	283	12	2,065	15	4,973	5	2,965	3	4,981
Cutlery and tools, not elsewhere specified	11	697	14	2,288	1	395	1	874	2	2,828
Dyeing and finishing textiles	1	58	1	228			2	1,323		
Electrical machinery, apparatus, and supplies	2	131	15	2,589	4	1,210	1	915		
Firearms and ammunition			3	610	3	1,097			3	9,111
Foundry and machine-shop products	26	1,899	44	6,465	17	5,817	7	5,117	10	16,317
Furnishing goods, men's	4	334	2	465	2	688	2	1,552		
Gas and electric fixtures and lamps	2	160	1	108			3	1,974		
Hats, fur-felt	13	870	10	1,616	7	2,571				
Hosiery and knit goods	3	250	9	1,186	4	1,367				
Iron and steel forgings	5	385			3	1,035				
Lumber and timber products	6	452	1	150						
Musical instruments, pianos and organs and materials	2	173	4	675	3	1,173				
Needles, pins, and hooks and eyes	1	94	2	285	1	290	3	2,331		
Paper and wood pulp	6	447	4	661						
Printing and publishing	9	616	1	150						
Rubber goods, not elsewhere specified	2	137	1	146	2	649	2	1,375		
Silk goods, including throwsters	7	497	9	1,520	9	3,281			2	5,058
Silverware and plated ware	4	188	12	2,156	3	1,069	1	524	2	2,286
Tobacco manufactures	3	234	3	517						
Typewriters and supplies	1	70	2	336					2	4,212
Woolen, worsted, and felt goods	7	559	26	3,649	10	2,870				
All other industries	69	4,967	63	9,759	18	6,124	7	5,658	5	9,666
Total for cities	136	9,879	157	25,474	62	22,904	29	19,314	36	65,590
ANSONIA	2	109	3	493	1	417	1	719	1	2,401
BRIDGEPORT	28	2,063	27	4,379	9	2,906	4	2,826	9	14,953
BRISTOL	3	189	6	889	3	1,142	1	513	1	1,100
DANBURY	14	1,059	10	2,341	3	1,028				
HARTFORD	16	1,110	22	3,272	8	2,625	1	861	4	6,440
MERIDEN	8	619	9	1,575	5	1,937	3	2,143	1	1,267
MIDDLETOWN	2	136	4	738	1	310	1	827		
NAUGATUCK			1	194	2	670	1	720	1	1,706
NEW BRITAIN	8	590	4	545	4	1,386	2	1,614	6	9,450
NEW HAVEN	24	1,616	22	3,703	7	2,561	4	2,914	4	10,727
NEW LONDON	4	290	3	433	4	943				
NORWALK	9	597	7	977	4	1,691			1	1,060
NORWICH	1	57	8	1,378	3	1,125	1	799		
STAMFORD	7	481	8	1,162					1	3,361
TORRINGTON	2	158	3	405	3	1,283	2	1,784	1	1,200
WATERBURY	5	611	17	2,531	4	2,576	8	3,594	5	9,648
WILLIMANTIC	3	194	3	459	1	394			1	2,331

Table 19

INDUSTRY AND CITY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER. 1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
All industries	1914	1.8	3.9	5.8	7.6	17.5	17.7	12.4	33.9
	1909	2.1	4.7	6.7	7.5	18.1	15.5	16.2	29.2
Automobiles, including bodies and parts.	1914	0.4	3.1	7.2	13.7	11.4	12.7	.....	51.5
	1909	0.2	1.0	4.9	9.3	26.4	.....	25.1	33.0
Boxes, fancy and paper	1914	0.6	6.0	27.4	25.7	8.6	.....	31.6	.....
	1909	1.0	4.6	37.2	18.2	12.5	.....	26.5	.....
Brass bronze, and copper products.	1914	0.2	0.6	2.5	2.8	3.5	12.7	5.7	72.0
	1909	0.5	0.7	1.9	1.9	3.7	12.5	17.6	61.2
Bread and other bakery products.	1914	37.8	37.6	18.1	6.5	.....	.....	.....	.....
	1909	34.3	43.1	15.6	7.1	.....	.....	.....	.....
Clocks and watches, including cases and materials.	1914	(1)	0.3	0.8	3.1	3.3	11.6	20.2	60.7
	1909	0.1	1.0	0.4	1.0	1.9	24.6	13.6	57.5
Copper, tin, and sheet-iron products.	1914	3.1	4.1	13.0	17.8	16.1	45.8	.....	.....
	1909	1.9	3.4	14.7	11.0	14.9	32.2	21.9	.....
Corsets	1914	(1)	1.2	1.0	2.1	3.5	15.3	7.1	69.7
	1909	0.1	0.6	1.0	.....	5.3	12.9	31.4	48.6
Cotton goods, including cotton small wares.	1914	(1)	0.2	1.1	1.8	13.4	32.1	19.2	32.2
	1909	(1)	0.2	2.0	2.4	17.9	28.1	18.1	31.3
Cutlery and tools, not elsewhere specified.	1904	0.5	2.3	3.6	9.2	30.2	5.2	11.5	37.4
	1909	0.6	3.0	5.5	16.2	24.6	9.0	11.2	35.9
Dyeing and finishing textiles	1914	0.1	2.3	6.4	3.3	12.9	.....	75.0	.....
	1909	0.1	2.9	7.4	.....	.....	14.9	74.7	.....
Electrical machinery, apparatus, and supplies.	1914	0.8	1.5	2.0	2.6	51.2	23.9	18.1	.....
	1909	1.1	1.5	4.5	9.7	56.3	10.6	16.3	.....
Firearms and ammunition	1914	.....	0.4	.....	.....	5.6	10.1	.....	83.9
	1909	.....	.....	0.4	1.0	4.9	6.7	14.0	72.9
Foundry and machine-shop products.	1914	0.6	3.0	5.9	4.8	16.4	14.8	13.0	41.4
	1909	0.8	2.8	6.0	7.5	17.6	15.5	15.0	34.7
Furnishing goods, men's	1914	0.2	0.6	2.5	10.6	14.8	21.9	49.4	.....
	1909	0.2	0.1	2.4	12.0	28.7	15.5	40.1	.....
Gas and electric fixtures and lamps.	1914	0.4	1.6	4.3	6.7	4.5	.....	82.6	.....
	1909	0.4	1.0	4.0	3.3	.....	.....	91.2	.....

[1] Less than one-tenth of 1 per cent

Table 19—Continued.

INDUSTRY AND CITY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.							
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
Hats, fur-felt	1914	0.3	1.9	5.2	15.9	29.6	47.1	.....	.....
	1909	0.9	3.3	12.1	16.9	38.0	28.8	.....	.....
Hosiery and knit goods	1914	0.3	2.2	0.9	8.6	40.8	47.1	.....	.....
	1909	0.2	0.4	1.2	4.2	52.4	41.6	.....	.....
Iron and steel forgings	1914	0.6	1.7	7.4	24.5	.....	65.8	.....	.....
	1909	3.7	9.0	38.7	17.5	31.1	.....	.....	.....
Lumber and timber products	1914	16.1	33.1	25.3	19.2	6.4	.....	.....	.....
	1909	15.1	44.4	23.1	7.2	10.2	.....	.....	.....
Musical instruments, pianos and organs, and materials.	1914	0.2	1.4	9.3	7.6	29.8	51.7	.....	.....
	1909	.....	1.5	4.8	8.8	31.9	26.5	26.5	.....
Needles, pins, and hooks and eyes.	1914	0.1	1.0	1.1	3.1	9.3	9.4	76.0	.....
	1909	0.4	0.3	.....	.....	6.6	12.1	80.6	.....
Paper and wood pulp	1914	.....	9.4	32.2	23.6	34.8	.....	.....	.....
	1909	1.3	14.8	40.8	18.8	24.3	.....	.....	.....
Printing and publishing	1914	14.1	39.7	28.2	21.7	5.3	.....	.....	.....
	1909	14.2	29.7	31.0	13.8	11.3	.....	.....	.....
Rubber goods, not elsewhere specified.	1914	0.4	2.8	4.0	5.5	5.9	26.1	55.3	.....
	1909	0.3	0.6	2.7	19.5	12.6	.....	25.2	48.0
Silk goods, including throwsters.	1914	0.1	0.8	2.1	4.6	14.2	30.8	.....	47.4
	1909	.....	1.6	4.5	6.5	19.7	16.0	18.3	33.3
Silverware and plated ware	1914	(1)	1.3	2.4	2.9	33.3	16.5	8.1	35.4
	1909	0.1	0.6	2.8	4.6	22.6	35.6	14.6	19.1
Tobacco manufactures	1914	17.2	16.2	18.8	14.9	32.9	.....	.....	.....
	1909	20.1	22.5	17.3	14.5	25.6	.....	.....	.....
Typewriters and supplies	1914	.....	.....	0.9	1.5	7.2	.....	.....	90.3
	1909	0.1	.....	2.9	2.9	4.4	28.0	.....	61.7
Woolen, worsted, and felt goods.	1914	.....	0.8	2.9	7.6	49.6	39.0	.....	.....
	1909	.....	0.2	5.2	11.1	45.7	21.2	.....	16.6
All other industries	1914	3.7	7.3	9.5	10.9	21.4	13.5	12.4	21.2
	1909	3.8	7.8	8.7	11.8	18.4	10.8	19.2	19.4
Total for cities	1914	1.6	3.8	5.1	6.2	15.9	14.3	12.1	41.0
ANSONIA	1914	1.2	0.7	2.1	2.5	11.4	9.7	16.7	55.7
BRIDGEPORT	1914	1.3	3.1	5.2	6.9	14.6	9.7	9.4	49.8
BRISTOL	1914	2.0	3.7	2.6	4.5	21.3	27.3	12.3	26.3
DANBURY	1914	2.3	7.3	7.0	20.6	44.1	19.4	.....	.....
HARTFORD	1914	2.1	6.3	8.1	6.5	19.1	15.3	5.0	37.6
MERIDEN	1914	1.6	3.4	2.7	7.6	19.3	23.7	26.2	15.5
MIDDLETOWN	1914	3.2	6.7	5.9	5.7	30.9	13.0	34.6	.....
NAUGATUCK	1914	0.7	2.0	4.4	.....	5.5	18.9	20.3	48.2
NEW BRITAIN	1914	1.0	1.3	2.8	4.1	3.8	9.7	11.3	66.0
NEW HAVEN	1914	2.1	5.6	6.2	6.5	14.8	10.2	11.7	42.9
NEW LONDON	1914	4.7	6.1	11.8	13.5	20.1	43.8	.....	.....
NORWALK	1914	2.1	4.3	7.6	12.0	19.7	34.1	.....	20.3
NORWICH	1914	3.1	6.3	8.2	1.4	33.8	27.6	19.6	.....
STAMFORD	1914	1.0	3.8	7.7	8.4	20.3	.....	.....	58.7
TORRINGTON	1914	1.0	1.9	.....	3.[illegible]	8.1	25.8	35.9	24.1
WATERBURY	1914	1.0	2.1	3.0	3.0	12.5	12.8	17.8	47.8
WILLIMANTIC	1914	1.3	1.9	3.1	5.5	13.1	8.7	.....	66.5

[1] Less than one-tenth of 1 per cent.

Engines and power.—Table 20 shows for 1914, 1909, and 1904, for all industries combined, the number and horsepower of engines or motors employed in generating power (including electric motors operated by purchased current). It also shows separately the number and horsepower of electric motors operated by current generated in the establishments reporting and gives the per cent distribution.

Table 20

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total	11,239	7,357	3,535	453,812	403,275	304,204	100.0	100.0	100.0
Owned	3,439	3,930	3,535	388,371	362,217	289,924	85.6	90.5	95.3
Steam engines and turbines[1]	2,270	2,574	2,331	303,799	275,439	219,723	66.9	68.8	72.2
Internal-combustion engines	437	460	254	17,770	12,844	3,393	3.9	3.2	1.1
Water wheels, turbines, and motors	732	896	950	66,802	73,934	66,808	14.7	18.5	22.0
Rented	7,800	3,427	(2)	65,441	38,058	14,280	14.4	9.5	4.7
Electric	7,800	3,427	(2)	64,294	33,620	8,233	14.2	8.4	2.7
Other	.....	.....	.....	1,147	4,438	6,047	0.2	1.1	2.0
Electric	17,376	8,536	.....	176,009	97,671	34,579	38.8	100.0	100.0
Rented	7,800	3,427	(2)	64,294	33,620	8,233	14.2	34.4	23.8
Generated by establishments reporting	9,576	5,109	1,521	111,715	64,051	26,346	24.6	65.6	76.2

[1] Figures for horsepower include for 1909 and 1904 the amounts reported under the head of "other" owned power. [2] Not reported.

The increase in owned power from 1909 to 1914 is most noticeable for steam engines and turbines, amounting to 28,360 horsepower, or 10.3 per cent. For the 10 years covered by the table the increase is 84,076 horsepower, or 38.3 per cent. The use of electric power, whether rented or generated by the establishments reporting, increased very much more rapidly, the total electric horsepower reported for 1914 being 80.2 per cent greater than that in use in 1909 and more than five times as great as that reported for 1904. The proportion which rented power, almost wholly electric, in 1914 formed of the total primary power increased from 4.7 per cent in 1904 to 9.5 per cent in 1909 and to 14.4 in 1914.

Fuel.—Closely related to the subject of power employed in manufacturing is that of the fuel consumed in generating this power or otherwise used in the manufacturing processes. Table 21 shows, for 1914, the quantity of each kind of fuel used, for which data were obtained, for all industries combined and for selected industries in the state as a whole, and for all industries combined in each city and borough.

Table 21

INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 lbs.).	COAL. Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
All industries	371,893	1,654,208	63,135	471,996	291,802
Automobiles, including bodies and parts	873	9,561	2	1,515	10,980
Boxes, fancy and paper	821	5,341	.....	4	2,102
Brass, bronze, and copper products	79,797	187,671	3,249	125,653	28,761
Bread and other bakery products	15,027	2,631	3,554	56	8,179
Buttons	103	3,585	.....	5,968	2,783
Clocks and watches, including cases and material	419	20,154	.....	1,776	5,322
Corsets	330	8,900	.....	29	1,369
Cotton goods, including cotton small wares	9,527	109,137	.....	84	166
Cutlery and tools, not elsewhere specified	13,898	43,654	1,827	11,247	10,687
Dyeing and finishing textiles	20	56,849	.....	1,570	1,609
Electrical machinery, apparatus, and supplies	3,074	24,686	27	398	16,103
Fancy articles, not elsewhere specified	239	1,722	50	1	7,964
Firearms and ammunition	12,150	66,230	1,240	6,595	8,901
Foundry and machine-shop products	50,897	192,260	36,752	45,831	36,738
Gas and electric fixtures and lamps	1,273	8,195	989	442	1,318
Hats, fur-felt	6,860	26,671	.....	109	9,288
Hosiery and knit goods	61	13,087	.....	102	2,610
Iron and steel, steel works and rolling mills	27,706	51,081	2,154	266	405
Liquors, malt	3,301	29,083	.....	84	.....
Lumber and timber products	1,779	6,989	25	373	328
Musical instruments, pianos and organs and materials	1,430	12,610	560	26	884
Needles, pins, and hooks and eyes	1,538	12,529	46	1,027	6,174
Paper and wood pulp	10,458	133,406	.....	.....	.....
Printing and publishing	2,719	3,260	38	91	19,871
Silk goods, including throwsters	3,973	61,604	48	508	1,925
Silverware and plated ware	2,452	28,209	52	6,705	24,823
Typewriters and supplies	3,039	8,114	.....	129	19,905
Wirework, including wire rope and cable	238	2,666	.....	254	2,937
Woolen, worsted, and felt goods	7,038	75,677	510	452	456
All other industries	110,832	448,646	12,012	260,701	59,214
Total for cities	281,775	1,134,071	52,007	420,171	264,174
ANSONIA	8,610	53,487	5,907	15,665	12,929
BRIDGEPORT	68,693	190,661	10,676	71,782	33,551
BRISTOL	5,744	23,030	4,381	19,514	1,036
DANBURY	8,685	23,571	81	7,081	11,206
HARTFORD	20,491	79,056	2,312	57,504	50,943
MERIDEN	4,403	42,042	2,463	9,611	17,261
MIDDLETOWN	2,350	16,100	524	4,724	1,531
NAUGATUCK	7,835	37,134	840	96	2,389
NEW BRITAIN	18,019	93,062	8,007	15,171	16,197
NEW HAVEN	21,437	234,156	8,480	85,117	56,114
NEW LONDON	2,551	8,725	282	5,453	4,648
NORWALK	9,353	24,682	657	704	6,592
NORWICH	1,756	73,347	1,516	1,309	9,440
STAMFORD	16,140	33,653	1,180	17,209	3,187
TORRINGTON	5,814	31,573	1,190	22,119	8,207
WATERBURY	76,210	143,848	3,157	84,943	28,748
WILLIMANTIC	3,684	22,944	354	2,169	195

SPECIAL STATISTICS.

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantity and cost of materials, the quantity and value of products, and other information for which no provision is made on the general schedule. Certain data of this character for eight important industries in Connecticut are here presented and also statistics for power laundries.

Textiles.—The number and kinds of the principal machines used in the four groups of textile industries are given in Table 22.

Table 22

	Census year.	Total.	Cotton manufactures.	Silk goods, including throwsters.	Wool manufactures.[1]	Hosiery and knit goods.
Producing spindles	1914	1,612,349	1,276,148	141,712	157,337	37,152
	1909	1,593,418	1,241,524	118,302	179,688	53,904
	1904	1,510,793	1,159,915	106,704	166,422	86,752
Looms	1914	35,497	26,721	5,536	3,240	.....
	1909	32,785	24,370	5,006	3,409	.....
	1904	28,264	20,803	4,260	3,201	.....
Knitting machines	1914	2,139	.....	.....	.....	2,139
	1909	2,501	.....	.....	.....	2,501
	1904	2,557	.....	.....	.....	2,557
Woolen cards (sets)	1914	461	.....	.....	375	86
	1909	522	.....	.....	408	114
	1904	551	.....	.....	442	109
Wool-combing machines	1914	13	.....	.....	13	.....
	1909	33	.....	.....	33	.....
	1904	25	.....	.....	18	7

[1] Not including spindles, looms, and cards reported by carpet mills.

According to the above table, from 1909 to 1914, the number of producing spindles increased 18,931, or 1.2 per cent, and the number of looms, 2,712, or 8.3 per cent. The number of knitting machines decreased 362, or 14.5 per cent, the number of sets of woolen cards, 61, or 11.7 per cent, and the number of wool-combing machines, from 33 to 13.

Of the total number of producing spindles reported for 1914 for these four groups of industries, 1,276,148, or 79.1 per cent, were in cotton mills; 141,712, or 8.8 per cent, in silk mills; 157,337, or 9.8 per cent, in woolen, worsted, and felt mills; and 37,152, or 2.3 per cent, in hosiery and knitting mills.

According to the monthly reports made to the Census Bureau by cotton manufacturers, the total number of cotton spindles in the state of Connecticut during the cotton year ended August 31, 1914, was 1,340,482, of which number 1,317,203 were active at some time during the year.

Of the manufactures represented, the silk industry shows the largest relative increases in spindles and looms for the five-year period 1909–1914—19.8 per cent and 10.6 per cent, respectively.

The decrease in value of products of wool manufactures and of hosiery and knit goods, between 1909 and 1914, is indicated by the smaller number of producing spindles reported. In wool manufactures they decreased 22,351, or 12.4 per cent, and in hosiery and knit goods, 16,752, or 31.1 per cent. The number of looms in wool manufactures decreased during the same period by 5 per cent.

Cotton manufactures.—The kinds, quantities, and cost of the principal materials used in the manufacture of cotton goods, and the kinds, quantities, and values of the principal products are given in Table 23 for 1914, 1909, and 1904.

Table 23	1914	1909	1904
MATERIALS.			
Total cost	$17,334,878	$11,959,722	$10,203,269
Cotton:			
Domestic—			
Pounds	52,333,105	51,664,951	49,775,004
Cost	$8,018,943	$6,425,319	$6,241,393
Foreign—			
Pounds	8,394,202	6,058,409	3,503,478
Cost	$1,800,646	$1,058,728	$619,173
Yarns:			
Cotton—			
Pounds	10,795,133	3,671,011	3,958,978
Cost	$4,172,975	$1,430,813	$1,526,086
Other—			
Pounds	225,895	154,757	184,813
Cost	$518,731	$450,801	$264,237
Cotton waste:			
Pounds	1,526,700	2,224,582	1,049,150
Cost	$91,030	$149,267	66,067
Starch, cost	$83,773	$111,368	$69,456
Chemicals and dyestuffs, cost	$203,730	$225,354	$218,977
Fuel and rent of power and heat, cost	$534,516	$478,710	$354,361
All other materials, cost	$1,910,534	$1,629,362	$843,519
PRODUCTS.			
Total value	$30,808,918	$24,231,881	$18,425,384
Unbleached and bleached sheetings, shirtings, and muslins:[1]			
Square yards	93,298,425	93,142,124	96,892,403
Value	$6,423,411	$6,820,710	$5,470,154
Twills, sateens, etc.:			
Square yards	33,445,109	40,827,992	24,594,276
Value	$2,911,329	$3,152,078	$1,402,558
Yarns for sale:			
Pounds	8,409,090	7,914,873	6,385,473
Value	$3,497,879	$2,846,742	$2,459,139
Thread:			
Pounds	7,088,464	5,263,776	4,038,361
Value	$7,115,343	$5,199,313	$3,745,906
Cotton waste for sale:			
Pounds	11,374,187	11,315,800	9,923,878
Value	$720,299	$469,811	$466,209
All other products, value	$10,140,657	$5,743,227	$4,881,418

[1] These fabrics were designated at prior censuses as "plain cloths for printing and converting" and "brown or bleached sheetings or shirtings."

The raw cotton, both domestic and foreign, consumed in 1914 amounted to 60,727,307 pounds, representing an increase of 3,093,947 pounds, or 4.9 per cent, over the quantity consumed in 1909, and of 7,448,825 pounds, or 14 per cent, over the consumption of 1904. The cost of the cotton in 1914 was $9,819,589, representing an increase of $2,335,542, or 31.2 per cent more than in 1909, and of $2,959,023, or 43.1 per cent more than in 1904.

The increase in consumption of foreign cotton is pronounced; of all cotton consumed in 1904 this constituted 6.6 per cent, in 1909, 10.5 per cent, and in 1914, 13.8 per cent. The purchased cotton yarns consumed increased 7,124,122 pounds, or 194.1 per cent, from 1909 to 1914; and in cost, $2,742,162, or 191.7 per cent.

The quantity of the chief product, unbleached and bleached sheetings, shirtings, and muslins, increased 156,301 square yards, or two-tenths of 1 per cent, from 1909 to 1914, but the value decreased $397,299, or 5.8 per cent. During the same period the output of twills, sateens, etc., decreased by 7,382,883 square yards, or 18.1 per cent, in quantity and $240,749, or 7.6 per cent, in value; the figures for 1914, however, show increases over those for 1904, amounting to 8,850,833 square yards, or 36 per cent, in quantity and to $1,508,771, or more than double, in value.

The output of thread has increased continually since 1904. The gain during the later semidecade was 1,824,688 pounds, or 34.7 per cent, in quantity and $1,916,030, or 36.9 per cent, in value. For the entire decade the gain in quantity was 3,050,103 pounds, or 75.5 per cent, and in value, $3,369,437, or 89.9 per cent. The manufacture of cotton yarns for sale has also increased steadily.

Silk goods, including throwsters.—Of the 44 establishments in this industry in Connecticut in 1914, a number were engaged solely in throwing silk for others. The kinds, quantities, and cost of the materials used in the silk mills and the kinds, quantities, and values of the products are shown in Table 24, for 1914, 1909, and 1904.

Table 24	1914	1909	1904
MATERIALS.			
Total cost	$18,406,252	$11,834,345	$9,098,196
Silk:			
Raw—			
Pounds	1,875,922	1,624,701	1,320,509
Cost	$7,263,562	$6,099,209	$5,067,381
Spun—			
Pounds	1,244,745	596,379	716,607
Cost	$3,340,302	$1,425,657	$1,609,152
Organzine and tram, purchased			
Pounds	41,121	54,619	28,844
Cost	$206,051	$238,785	$144,358
Yarns:			
Cotton, including mercerized—			
Pounds	4,976,715	2,439,405	1,380,581
Cost	$1,820,566	$870,707	$446,362
Wool, mohair, and other—			
Pounds	1,933,192	832,204	120,215
Cost	$1,814,812	$826,208	$124,434
Chemicals and dyestuffs, cost	(1)	$294,025	$268,675
Fuel and rent of power, cost	$319,489	$214,763	$129,061
All other materials, cost	$3,641,470	$1,864,991	$1,308,773
PRODUCTS.			
Total value	$30,591,825	$21,062,687	$15,623,693
Machine twist, sewing, embroidery, wash, fringe, and floss silks:			
Pounds	708,692	828,678	782,434
Value	$4,472,581	$5,108,180	$4,573,582
Broad silks:			
Yards	9,177,620	11,454,011	7,562,166
Value	$5,884,845	$5,890,233	$4,037,599
Velvets and plushes:			
Yards	20,275,602	11,912,758	9,048,494
Value	$13,571,146	$5,959,175	$3,935,014
Ribbons, value	$547,155	$1,125,697	$1,153,983
Embroideries, braids and bindings, and fringes and gimps, value	$22,048	$210,427	$80,393
Amount received for contract work	$135,603	$293,332	$230,614
All other products, value	$5,958,447	$2,475,643	$1,612,508

[1] Not reported separately.

The consumption of raw silk increased between 1909 and 1914, 251,221 pounds, or 15.5 per cent, in quantity and $1,164,353, or 19.1 per cent, in cost. With the exception of organzine and tram, all the other materials reported separately for 1914 show pronounced increases. The consumption of spun silk in 1914 exceeded that in 1909 by 548,366 pounds, or 78.7 per cent, in quantity and by $1,914,645, or 134.3 per cent, in cost. The corresponding increases for cotton (including mercerized) yarns were 2,537,310 pounds, or 104 per cent, and $949,859, or 109.1 per cent; and for yarns of wool, mohair, and other material, 1,100,988 pounds, or 132.3 per cent, and $988,604, or 119.7 per cent.

Among the products, there were notable increases in quantity and value of velvets and plushes for the semidecade 1909 to 1914, as well as for the ten-year period. The output of this product increased during the five-year period 8,362,844 yards, or 70.2 per cent, in quantity and $7,611,971, or 127.7 per cent, in value. The production of embroideries, braids and bindings, and fringes and gimps decreased in value in a remarkable degree—from $210,427 in 1909 to $22,048 in 1914.

There were decreases, however, during the five-year period in the production of broad silks, of machine twist and of the various sewing, embroidery, and other silks, and of ribbons, and in the amount received for contract work. The output of broad silks declined 2,226,391 yards, or 19.5 per cent, in quantity and $5,388, or one-tenth of 1 per cent, in value; for machine twist and the sewing-silk group the decrease amounted to 119,986 pounds, or 14.5 per cent, in quantity and to $635,599, or 12.4 per cent, in value; and the output of ribbons decreased in value by $578,542, or 51.4 per cent.

In 1914, 122,187 pounds of silk were thrown on commission, of which 60,483 pounds were thrown into organzine and 61,704 into tram. The corresponding figures for 1909 are 290,253, 150,332, and 139,921, respectively.

Wool manufactures.—In Table 25 are given the kinds, quantities, and cost of the materials used and the kinds, quantities, and values of the principal products for the wool manufacture for 1914, 1909, and 1904. Four establishments were engaged primarily in the manufacture of felt goods in 1914, as compared with three in 1909 and one in 1904; the statistics for these are included in this table. Three establishments were engaged in the production of carpets and rugs, but statistics for these can not be shown without disclosing individual operations.

The total cost of materials shows a decline of 16.2 per cent for the period 1909–1914. The consumption of domestic wool decreased 1,160,383 pounds, or 12.8 per cent, in quantity and $981,654, or 28.3 per cent, in cost; and that of worsted yarns decreased 951,257 pounds, or 18.6 per cent, in quantity and $1,823,319, or 32.4 per cent, in cost. There were slight decreases in the amount of foreign wool and of recovered wool fiber used. The cost of the former, however, increased considerably, while the latter shows a much greater decline in cost than in quantity.

Increases are shown for raw cotton, waste and noils, cotton yarns, yarns other than worsted or cotton, chemicals and dyestuffs, and "all other materials." The consumption of raw cotton increased 405,792 pounds, or 72.6 per cent, in quantity and $42,593, or 51.4 per cent, in cost; of purchased cotton yarns, 283,524 pounds, or 23.7 per cent, in quantity and $48,165, or 16.5 per cent, in cost; of purchased yarns other than worsted or cotton, 73,121 pounds, or 111.5 per cent, in quantity and $150,183, or 111.6 per cent, in cost; and of waste and noils, 81,588 pounds, or 4.4 per cent, in quantity and $50,318, or 10.8 per cent, in cost.

Table 25	1914	1909	1904 [1]
MATERIALS.			
Total cost	$10,763,510	$12,838,142	$10,073,219
Wool:			
Foreign (in condition purchased)—			
Pounds	1,081,756	1,088,035	934,051
Cost	$358,064	$293,687	$321,325
Domestic (in condition purchased)—			
Pounds	7,924,204	9,084,587	11,831,199
Cost	$2,492,392	$3,474,052	$3,523,049
Equivalent in scoured condition, pounds	6,386,974	7,045,156	8,205,794
Cotton:			
Pounds	964,377	558,585	1,504,567
Cost	$125,445	$82,852	$175,622
Recovered wool fiber:			
Pounds	1,569,619	1,593,181	2,457,223
Cost	$245,792	$295,442	$323,976
Waste and noils of wool, mohair, etc.:			
Pounds	1,953,136	1,871,548	2,263,438
Cost	$516,396	$466,078	$517,193
Yarns:			
Worsted—			
Pounds	4,161,962	5,113,219	2,558,669
Cost	$3,806,284	$5,629,603	$2,498,109
Cotton—			
Pounds	1,477,480	1,193,956	1,689,875
Cost	$339,935	$291,770	$387,894
All other—			
Pounds	138,694	65,573	345,239
Cost	$284,811	$134,628	$300,751
Chemicals and dyestuffs, cost	$575,802	$534,281	$502,957
Fuel and rent of power, cost	$358,682	$329,872	$304,732
All other materials, cost	$1,659,901	$1,305,877	$1,217,611
PRODUCTS.			
Total value	$17,128,975	$19,363,228	$15,483,499
All-wool woven goods, whether woolen or worsted:			
Wool cloths (for men's wear)—			
Square yards	9,538,061	4,371,262	4,318,678
Value	$6,559,163	$3,834,073	$2,845,913
Woolen overcoatings and cloakings—			
Square yards		2,827,661	1,905,798
Value		$2,618,255	$1,579,030
Wool dress goods (for women's wear)—			
Square yards		1,610,689	4,171,561
Value		$902,806	$2,086,833
All other—			
Square yards	6,483,883	9,177,691	7,981,850
Value	$5,897,795	$7,748,494	$4,757,890
Union or cotton-mixed woven goods:			
Unions, tweeds, etc. (for men's wear)—			
Square yards	1,775,642	860,666	2,821,517
Value	$1,054,369	$366,593	$1,106,191
All other—			
Square yards		1,307,818	1,356,983
Value		$739,074	$707,374
Goods woven on cotton warp:			
Wool-filling fabrics for men's wear—			
Square yards	6,596,131	2,108,671	1,766,051
Value	$2,341,717	$544,445	$591,412
All other—			
Square yards		2,288,745	4,138,150
Value		$710,849	$982,633
Yarns, for sale:			
Pounds	530,679	751,185	413,581
Value	$309,997	$675,155	$292,612
Waste and noils, for sale:			
Pounds	387,394	487,026	213,619
Value	$26,369	$78,653	$48,974
Amount received for contract work	$68,179	$32,848	$19,185
All other products, value	$871,386	$1,111,983	$465,452

[1] Excludes statistics for one establishment to avoid disclosure of individual operations.

The total value of products decreased 11.5 per cent between 1909 and 1914. This decrease appears for each class of products, except goods woven on cotton warp and amount received for contract work. In the case of wool cloths for men's wear, woolen overcoatings and cloakings, and wool dress goods for women's wear, taken as a group, however, an increase of 728,449

square yards, or 8.3 per cent, in quantity is shown in connection with a decrease of $795,971, or 10.8 per cent, in value. The production of "all other" all-wool woven goods decreased 2,693,808 square yards, or 29.4 cent, in quantity and $1,850,699, or 23.9 per cent, in value; and of union or cotton-mixed goods, 392,842 square yards, or 18.1 per cent, in quantity and $51,298, or 4.6 per cent, in value.

Of goods woven on cotton warp a notable increase is shown—from 4,397,416 square yards, valued at $1,255,294, in 1909 to 6,596,131 square yards, valued at $2,341,717, in 1914—amounting to 50 per cent in quantity and to 86.5 per cent in value.

Hosiery and knit goods.—The quantities and cost of the principal materials used and the quantities and values of the products for the hosiery and knit-goods industry are shown in Table 26, for 1914, 1909, and 1904.

Table 26	1914	1909	1904
MATERIALS.			
Total cost	$2,726,571	$3,048,547	$2,825,014
Cotton:			
Pounds	1,727,377	1,971,512	2,143,861
Cost	$250,565	$286,488	$297,514
Domestic—			
Pounds	1,073,441	1,102,924	1,489,447
Cost	$141,168	$146,609	$171,439
Foreign—			
Pounds	653,936	868,588	654,414
Cost	$109,397	$139,879	$126,075
Wool (in condition purchased):			
Pounds	1,090,505	1,019,245	1,985,983
Cost	$461,600	$467,854	$728,959
Foreign—			
Pounds	188,585	251,055	307,454
Cost	$93,266	$113,600	$113,639
Domestic—			
Pounds	901,920	768,190	1,678,529
Cost	$368,334	$354,254	$615,320
Wool waste and noils:			
Pounds	811,613	2,015,712	930,683
Cost	$309,508	$630,130	$225,964
Yarns:			
Pounds	1,273,861	2,010,048	1,626,818
Cost	$583,187	$908,551	$739,544
Cotton—			
Pounds	782,518	1,539,828	1,221,624
Cost	$275,202	$463,922	$364,634
Woolen—			
Pounds	8,820	282	(1)
Cost	$5,238	$197	(1)
Worsted—			
Pounds	378,595	416,566	(1)
Cost	$319,910	$393,596	(1)
Merino—			
Pounds	90,919	46,178	(1)
Cost	$34,946	$26,094	(1)
All other—			
Pounds	13,009	7,194	405,194
Cost	$47,891	$24,742	$374,910
MATERIALS—continued.			
Chemicals and dyestuffs, cost	$44,865	$52,249	$67,964
Fuel and rent of power, cost	$53,344	$67,643	$73,845
All other materials, cost	$923,502	$635,632	$691,224
PRODUCTS.			
Total value	$5,221,683	$5,800,692	$5,371,452
Hosiery:			
Dozen pairs	544,475	560,100	672,242
Value	$841,912	$1,109,617	$1,018,327
Shirts and drawers:			
Dozens	505,219	471,708	440,731
Value	$3,559,982	$3,656,160	$3,242,297
Cotton—			
Dozens	131,988	113,603	112,108
Value	$486,518	$475,545	$411,793
Wool—[2]			
Dozens	57,427	19,516	42,574
Value	$616,905	$239,100	$462,061
Merino—			
Dozens	315,804	338,589	286,049
Value	$2,456,559	$2,941,515	$2,368,443
Combination suits:			
Dozens	24,858	42,613	3,462
Value	$366,856	$349,025	$43,707
Cotton—			
Dozens	9,152	23,527	(1)
Value	$104,813	$167,345	(1)
Wool—[2]			
Dozens	6,220	10,088	(1)
Value	$101,873	$133,427	(1)
Merino—			
Dozens	9,486	2,998	1,832
Value	$160,170	$48,253	$27,407
Cardigan jackets, sweaters, etc.:			
Dozens	11,519	3,912	(3)
Value	$257,028	$113,162	(3)
All other products, value	$195,905	$572,728	$1,067,121

[1] Not reported separately. [2] Includes silk and silk mixed. [3] Figures not available.

In this textile industry, as in the one preceding, decreases in total cost of materials and in total value of output are shown for the later five-year period. The consumption of domestic wool, of woolen, merino, and "all other" yarns and of "all other materials" increased, however. For domestic wool the increase amounted to 133,730 pounds, or 17.4 per cent, in quantity, and to $14,080, or 4 per cent, in cost; for the three classes of yarns just mentioned, taken together, to 59,094 pounds, or 110.1 per cent, in quantity and to $37,042, or 72.6 per cent, in cost; and for "all other materials," to 45.3 per cent in cost.

Although the total value of products is less for 1914 than for 1909, increases are shown in the quantities and values of a number of the specified articles. The output of shirts and drawers increased 33,511 dozens, or 7.1 per cent, in quantity, but decreased $96,178, or 2.6 per cent, in value. For the ten-year period, however, an increase of 64,488 dozens, or 14.6 per cent, in quantity was accompanied by an increase in value of $317,685, or 9.8 per cent. The increases in both quantity and value from 1909 to 1914 were more marked for wool shirts and drawers than for cotton; and for merino, which represents more than three-fifths of the total output of shirts and drawers, considerable decreases in quantity and value are shown. The output for merino in 1914, however, exceeded that in 1904 by 29,755 dozens, or 10.4 per cent, in quantity and by $88,116, or 3.7 per cent, in value.

For combination suits a marked decrease in quantity between 1909 and 1914 is accompanied by an increase in value; but the output of this class of products in 1914 exceeded that in 1904 by more than sixfold in quantity and by more than sevenfold in value.

The production of cardigan jackets, sweaters, etc., increased between 1909 and 1914 by 7,607 dozens, or 194.5 per cent, in quantity and by $143,866, or 127.1 per cent, in value.

Electrical machinery, apparatus, and supplies.—Table 27 shows the values of the various products of this industry, as reported at the censuses of 1914, 1909, and 1904. These products include not only those made in establishments engaged primarily in the manufacture of electrical machinery, apparatus, and supplies, but also those reported by establishments engaged primarily in other industries.

Table 27	1914	1909	1904
Number of establishments, total	46	56	(1)
Electrical machinery and apparatus industry	43	41	32
By-product establishments	3	15	(1)
Products, total value	$15,190,055	$10,514,069	$5,530,925
Electrical machinery and apparatus industry	14,330,156	9,824,373	4,939,831
Subsidiary electrical products of other industries	859,899	689,696	591,094
Insulated wire and cables	6,206,803	4,205,509	2,156,369
Sockets, receptacles, bases, etc	1,945,177	1,661,586	1,297,287
Magneto-ignition apparatus	1,537,324	240,629	(2)
Electric switches, signals, and attachments	1,384,341	382,447	(2)
Fuses	298,949	330,276	(2)
Switchboards, panel boards, and cut-out cabinets for light and power	224,481	151,385	(2)
Circuit fittings	185,859	171,941	(2)
Electric lighting fixtures	158,691	265,323	397,498
All other products	3,248,430	3,104,973	1,679,771

[1] Not available. [2] Included in "all other products."

Increases are shown for the period 1909–1914 in the output of all classes of products listed in the table, with the exceptions of fuses and of electric-lighting fixtures. For insulated wire and cables, the leading class of products, the increase in value of output during the five-year period 1909–1914 amounted to $2,001,294, or 47.6 per cent. The production of magneto-ignition apparatus increased $1,296,695, or over fivefold; of electric switches, signals, and attachments, $1,001,894, or nearly three-fold; and of sockets, receptacles, bases, etc., $283,591, or 17.1 per cent.

Hats, fur-felt.—Table 28 gives the quantity and cost of materials used and the quantity and value of products in the hatting industry of Connecticut, for 1914, 1909, and 1904.

Table 28	1914	1909	1904
MATERIALS.			
Total cost	$4,633,274	$4,848,983	$3,953,693
Hatters' fur:			
Pounds	1,731,569	1,673,332	1,285,325
Cost	$1,967,618	$1,909,915	$1,535,579
Fur-felt hat bodies and hats in the rough:			
Dozens	90,745	87,117	30,783
Cost	$540,939	$491,161	$194,207
Chemicals and dyestuffs, cost	$176,501	$315,598	$501,640
Fuel and rent of power and heat, cost	$170,850	$175,076	$162,748
All other materials, cost	$1,777,366	$1,957,233	$1,559,519
PRODUCTS.			
Total value	$9,475,778	$10,399,860	$8,662,709
Fur-felt hats:			
Dozens	515,986	530,558	600,312
Value	$7,585,947	$7,858,882	$8,198,376
Fur-felt hat bodies and hats in the rough, for sale:			
Dozens	267,178	335,947	63,676
Value	$1,741,885	$2,407,044	$396,056
Amount received for contract work	$25,646	$123,273	$50,612
All other products, value	$122,300	$10,661	$17,755

The leading material used in the hat industry is hatters' fur. The cost of this in 1914 formed 42.5 per cent of the cost of all materials, as compared with 39.4 per cent in 1909 and 38.8 per cent in 1904. A marked decrease in the outlay for chemicals and dyestuffs took place from census to census. The cost of "all other materials" decreased between 1909 and 1914, although the amount spent for these in the later year was greater than in 1904. The output, with the exception of "all other products," decreased in both quantity and value between 1909 and 1914, but the production of hat bodies and hats in the rough was much greater in 1914 than in 1904.

Printing and publishing.—Table 29 shows the number of publications and aggregate circulation per issue of the leading classes in the state for 1914, 1909, and 1904.

Table 29 — Period of issue.	Number of publications.			Aggregate circulation per issue.		
	1914	1909	1904	1914	1909	1904
Total	148	160	158	611,685	539,765	566,791
Daily	36	38	36	275,773	258,543	229,357
Sunday	8	10	5	100,581	86,261	59,095
Semiweekly	8	9	[1] 11	16,213	23,612	27,560
Weekly	73	78	80	149,618	134,849	165,479
Monthly	19	18	19	35,500	28,650	46,950
All other classes	4	7	7	34,000	7,850	38,350

[1] Includes one triweekly publication.

The decrease in the number of publications during the five-year period 1909–1914 is well distributed throughout the different issues, with the exception that the monthly publications gained one. The circulation, however, increased for all classes except the semiweeklies. The total increase from 1909 to 1914 was 71,920, or 13.3 per cent; and for the 10 years, 44,894, or 7.9 per cent. The circulation of the dailies increased 17,230, or 6.7 per cent, during the semidecade 1909–1914 and 46,416, or 20.2 per cent, during the 10 years, while that of the Sunday newspapers increased during the same periods 14,320, or 16.6 per cent, and 41,486, or 70.2 per cent, respectively.

The circulation of the dailies constituted 45.1 per cent of the total circulation per issue of all publications in 1914, that of the weeklies, 24.5 per cent, and that of the Sunday papers, 16.4 per cent. The corresponding proportions in 1909 were 47.9 per cent, 25 per cent, and 16 per cent, respectively. The circulation of evening newspapers increased from 186,601 in 1909 to 202,161 in 1914 and that of the morning papers from 71,942 to 73,612. The publications printed in foreign languages comprised 1 daily in Italian; 11 weeklies, 8 of which were in Italian, 2 in German, and 1 in Polish; and 1 semiweekly and 1 monthly, both in German.

Paper and wood pulp.—Table 30 shows the quantities and values of the principal products of this industry, for 1914, 1909, and 1904.

The output of paper boards, which form the principal product of the industry, increased between 1909 and 1914 by 35,812 tons, or 54.6 per cent, in quantity, and by $1,111,585, or 46.6 per cent, in value. "All other paper products," which include chiefly news paper, tag stock, blotting paper, card and bristol boards, and building paper, also show a decided increase as compared with previous censuses, due

largely to the growth in the output of news paper, tag stock, and blotting paper. The various other products show decreases.

Table 30	1914	1909	1904
Products, total value	$5,968,797	$5,527,334	$5,039,147
Book paper:			
Tons	2,479	3,180	4,425
Value	$321,942	$399,856	$517,562
Writing and other fine paper:			
Tons	2,524	2,896	6,439
Value	$495,420	$559,954	$864,055
Wrapping paper:			
Tons	3,877	6,316	7,056
Value	$204,367	$538,830	$502,544
Boards:			
Tons	101,379	65,567	64,610
Value	$3,498,530	$2,386,945	$2,354,053
Tissue:			
Tons	1,791	2,041	2,169
Value	$370,077	$438,097	$406,075
All other paper products:			
Tons	16,116	12,224	4,950
Value	$946,275	$750,683	$357,442
All other products, value	$132,186	$452,969	$36,816

The yearly capacity of the paper-making machinery of the state was 187,261 tons in 1914, 127,025 tons in 1909, and 110,121 tons in 1904.

Laundries.—Statistics for power laundries are not included in the general tables or in the totals for manufacturing industries. Table 31, however, summarizes these statistics for Connecticut for 1914 and 1909.

Table 31	POWER LAUNDRIES.		
	Number or Amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	
Number of establishments	127	95	.....
Persons engaged	2,184	1,638	33.3
Proprietors and firm members	125	101	23.8
Salaried employees	146	96	.....
Wage earners (average number)	1,913	1,441	32.8
Primary horsepower	3,178	1,852	71.6
Capital	$1,454,961	$879,567	67.1
Salaries and wages	1,055,951	684,373	54.3
Salaries	161,660	99,535	62.4
Wages	894,291	584,838	52.9
Paid for contract work	1,684	.....	.....
Rent and taxes	59,721	36,564	63.3
Cost of materials	498,401	246,066	66.0
Amount received for work done	2,108,011	1,416,122	48.9

[1] Percentages are omitted where base is less than 100.

The amount received for work done increased $691,889, or 48.9 per cent, between 1909 and 1914. The rank of Connecticut among the states in this industry, as measured by amount received for work done, was nineteenth in 1914; it was twentieth in 1909. In 1914, 76 of the establishments were owned by individuals, 28 by corporations, and the remaining 23 were under other forms of organization. The corporation-owned laundries did the largest amount of business in 1914, their receipts for work done amounting to $948,073, or 45 per cent of the total, as against $545,113, or 38.5 per cent, in 1909. Establishments owned by individuals did work valued at $832,704, or 39.5 per cent of the total, in 1914, and $616,449, or 43.5 per cent, in 1909; and the receipts for establishments under "all other" forms of ownership amounted to $327,234, or 15.5 per cent of the total, in 1914 and to $254,560, or 18 per cent, in 1909.

Table 32 shows, for 1914 and 1909, the number of wage earners employed in the laundries on the 15th day of each month, or the nearest representative day, and the percentage which this number represents of the greatest number reported in any month of the same year.

Table 32	WAGE EARNERS.			
MONTH.	Number.		Per cent of maximum.	
	1914	1909	1914	1909
January	1,875	1,350	95.4	86.3
February	1,874	1,342	95.3	85.8
March	1,881	1,343	95.7	85.9
April	1,859	1,363	94.6	87.1
May	1,945	1,399	98.9	89.4
June	1,961	1,497	99.7	95.7
July	1,962	1,564	99.8	100.0
August	1,966	1,547	100.0	98.9
September	1,951	1,503	99.2	96.1
October	1,916	1,485	97.5	94.9
November	1,886	1,451	95.9	92.8
December	1,885	1,451	95.9	92.8

Table 33 gives statistics as to kinds and amounts of power used in the laundries of the state in 1914 and 1909, together with the percentages of increase for the five-year period.

Table 33	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
KIND.			Amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	1914	1909	
Primary power, total	181	106	3,178	1,852	71.6
Owned—Steam engines and turbines[2]	112	85	2,913	1,695	71.9
Rented	69	21	265	157	68.8
Electric	69	21	220	135	63.0
Other	.....	.....	45	22	.....
Electric power, total	128	49	393	256	53.5
Rented	69	21	220	135	63.0
Generated by establishments reporting	59	28	173	121	43.0

[1] Percentages are omitted where base is less than 100.
[2] Figures for horsepower include, for 1909, the amounts reported under the head of "other" owned power.

Table 34 shows the kinds and quantities of fuel used in the laundries, as reported at the censuses of 1914 and 1909, with the percentages of increase.

Table 34		QUANTITY.		Per cent of increase,[1] 1909–1914.
KIND.	Unit.	1914	1909	
Anthracite coal	Tons, 2,240 lbs	6,027	3,492	72.6
Bituminous coal	Tons, 2,000 lbs	18,318	10,448	75.3
Coke	do	344	11	.....
Oil, including gasoline	Barrels	41	101	−59.4
Gas	1,000 cubic feet	6,479	12,249	−47.1

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

GENERAL TABLES.

Table 35 gives, for 1914, 1909, and 1904, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials and value of products, for selected industries in the state and in the cities having 50,000 inhabitants or more; and for the cities having from 10,000 to 50,000 inhabitants, similar data for all industries combined.

Table 36 presents, for 1914, in the state as a whole and in cities with 50,000 inhabitants or more, statistics in detail for each industry that can be shown without the disclosure of individual operations; and for each of the cities in the state having from 10,000 to 50,000 inhabitants, similar data is given for all industries combined.

TABLE 35.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1914	4,104	226,264	453,812	$125,220	$288,511	$545,472
	1909	4,251	210,792	400,275	110,119	257,259	490,272
	1904	3,477	181,605	304,204	87,943	191,302	360,082
Automobiles, including bodies and parts.	1914	28	2,223	3,656	1,696	3,769	8,051
	1909	28	3,815	3,937	2,878	4,856	11,668
	1904	[1] 7	1,065	1,283	784	1,163	2,644
Blacking and cleansing and polishing preparations.	1914	19	173	453	75	436	1,317
	1909	12	25	35	11	62	125
	1904	4	2	.....	1	12	22
Boots and shoes	1914	9	567	227	252	1,338	1,958
	1909	10	520	235	226	1,088	1,658
	1904	12	499	253	209	820	1,319
Boxes, fancy and paper	1914	42	2,196	1,665	1,076	1,819	3,742
	1909	38	1,849	1,306	748	1,386	2,911
	1904	37	2,032	1,149	764	1,432	2,768
Brass, bronze, and copper products.	1914	67	16,781	57,033	9,846	53,886	69,353
	1909	80	16,817	50,034	9,667	47,864	66,933
	1904	[2] 64	15,382	38,915	8,196	37,913	53,916
Bread and other bakery products.	1914	467	2,014	1,316	1,403	4,661	8,005
	1909	431	1,869	658	1,222	4,463	7,310
	1904	327	1,751	557	1,019	3,446	5,898
Butter and cheese	1914	24	63	197	43	527	624
	1909	30	105	231	52	623	745
	1904	[2] 41	95	299	57	670	815
Buttons	1914	18	1,063	882	492	613	1,498
	1909	20	1,057	1,673	465	735	1,635
	1904	11	1,044	831	410	599	1,446
Carriages and wagons and materials.	1914	84	452	945	311	411	996
	1909	92	578	957	372	383	1,077
	1904	109	1,507	1,329	767	793	2,196
Clocks and watches, including cases and materials.	1914	15	6,599	5,265	3,574	2,429	7,927
	1909	16	5,851	4,273	3,030	2,098	7,390
	1904	13	5,765	3,699	2,939	2,116	7,060
Clothing, men's, including shirts.	1914	28	1,305	494	548	1,320	2,628
	1909	28	751	418	304	726	1,362
	1904	22	952	168	344	733	1,443
Clothing, women's	1914	19	1,337	383	465	700	1,597
	1909	17	1,382	491	415	798	1,716
	1904	17	866	301	246	534	1,098
Confectionery	1914	27	227	147	109	482	784
	1909	22	233	96	82	889	1,233
	1904	20	222	204	82	355	636
Copper, tin, and sheet-iron products.	1914	[3] 65	2,465	2,650	1,156	1,680	3,818
	1909	48	2,475	1,526	1,049	1,565	3,604
	1904	43	2,160	1,504	911	1,049	2,705
Cordage and twine, nets and seines, and linen goods.	1914	13	377	1,350	127	635	883
	1909	8	286	1,134	85	431	561
	1904	[1] 5	202	910	56	258	361
Corsets	1914	21	7,298	2,970	2,797	7,575	12,936
	1909	17	6,643	1,596	2,520	6,676	12,815
	1904	13	4,412	1,507	1,418	2,684	5,591
Cotton goods, including cotton small wares.	1914	[4] 50	15,466	65,620	6,982	17,335	30,809
	1909	50	14,360	58,137	5,666	11,960	24,232
	1904	52	13,111	47,950	4,653	10,203	18,425
Cutlery and tools, not elsewhere specified.	1914	76	7,568	14,316	$4,400	$3,968	$11,541
	1909	82	7,547	14,135	3,980	3,310	10,717
	1904	71	5,753	8,658	3,098	2,830	8,336
Dyeing and finishing textiles.	1914	12	1,764	7,738	923	1,455	3,593
	1909	10	1,719	5,851	872	1,480	3,562
	1904	10	1,406	4,883	640	927	2,215
Electrical machinery, apparatus, and supplies.	1914	43	5,059	6,459	2,630	7,436	14,330
	1909	41	3,505	4,457	1,603	5,211	9,824
	1904	32	1,707	2,505	724	2,754	4,940
Fancy articles, not elsewhere specified.	1914	[5] 12	521	689	263	892	1,615
	1909	8	397	526	172	423	730
	1904	11	292	271	123	234	477
Fertilizers	1914	10	329	1,689	185	1,477	1,972
	1909	12	295	1,273	137	1,091	1,573
	1904	10	310	607	124	525	943
Firearms and ammunition.	1914	13	10,863	11,080	7,117	11,697	25,658
	1909	10	8,533	9,391	4,968	10,066	19,948
	1904	13	7,693	5,125	4,601	8,311	17,762
Flour-mill and gristmill products.	1914	85	113	2,971	59	1,631	1,881
	1909	98	145	3,616	72	1,731	2,024
	1904	86	167	3,108	86	1,690	1,982
Foundry and machine-shop products.	1914	[6] 388	39,369	54,557	22,868	25,151	67,009
	1909	403	37,736	49,167	21,332	24,820	65,535
	1904	[2] 349	29,828	32,248	15,417	15,362	44,816
Furnishing goods, men's	1914	17	3,142	3,514	1,395	4,089	6,435
	1909	16	2,282	1,674	930	2,208	3,939
Furniture	1914	22	783	1,313	305	655	1,157
	1909	25	298	803	179	368	786
	1904	[1] 19	283	537	166	238	557
Gas and electric fixtures and lamps.	1914	16	2,391	2,214	1,232	1,673	4,076
	1909	12	2,249	1,946	1,189	1,330	4,023
	1904	9	2,217	.....	1,073	1,183	3,215
Gas, illuminating and heating.	1914	27	1,209	5,089	827	1,471	4,746
	1909	28	926	4,100	557	1,005	3,446
	1904	26	640	2,237	330	826	2,558
Grease and tallow, not including lubricating greases.	1914	9	166	639	112	544	798
	1909	8	179	399	113	453	798
	1904	8	89	.....	51	409	519
Hat and cap materials	1914	15	400	1,105	160	1,284	1,594
	1909	14	478	1,024	183	702	1,508
	1904	11	365	599	135	437	826
Hats, fur-felt	1914	58	5,461	6,029	3,057	4,633	9,476
	1909	80	5,217	5,619	3,384	4,849	10,400
	1904	56	5,158	3,729	2,696	3,954	8,663
Hosiery and knit goods	1914	25	2,904	3,365	1,296	2,727	5,222
	1909	21	3,340	3,540	1,363	3,049	5,801
	1904	24	3,594	3,642	1,305	2,825	5,371
Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills.	1914	14	606	1,894	318	491	1,048
	1909	13	676	1,712	327	542	1,180
	1904	9	294	.....	122	190	440
Iron and steel forgings, not made in steel works or rolling mills.	1914	17	1,573	4,226	1,090	1,883	4,560
	1909	13	354	1,022	204	315	704
	1904	11	349	.....	213	243	597

[1] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[2] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[3] Includes "stamped and enameled ware, not elsewhere specified" and "tinware, not elsewhere specified."
[4] Includes "cotton lace."
[5] Includes "combs and hairpins, not made from metal or rubber" and "ivory, shell, and bone work."
[6] Includes "automobile repairing;" "bells;" "engines, steam, gas, and water;" "gas and water meters;" "hardware;" "hardware saddlery;" "plumbers' supplies, not elsewhere specified;" "pumps, steam and other power;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork, not made in steel works or rolling mills."

TABLE 35.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
Leather goods	1914	[1] 15	216	105	$136	$396	$673
	1909	18	272	277	143	330	588
	1904	20	281	75	142	296	542
Leather, tanned, curried, and finished.	1914	7	185	340	100	636	906
	1909	8	150	356	95	805	1,047
	1904	9	169	371	82	543	748
Liquors, malt	1914	18	539	3,510	546	1,692	5,030
	1909	19	475	2,530	426	1,375	4,426
	1904	22	394	2,171	315	818	2,927
Lumber and timber products.	1914	[2] 295	2,356	12,487	1,462	3,765	6,966
	1909	393	3,495	15,133	1,907	3,918	7,846
	1904	176	2,109	7,275	1,128	2,479	4,792
Marble and stone work	1914	80	538	2,687	387	353	1,057
	1909	86	782	2,317	514	370	1,237
	1904	69	1,051	2,060	655	402	1,497
Mineral and soda waters	1914	102	210	333	122	234	567
	1909	96	220	324	124	192	535
	1904	71	186	.....	104	120	421
Musical instruments, pianos and organs, and materials.	1914	19	2,267	2,606	1,277	2,570	5,230
	1909	17	2,304	2,559	1,251	3,022	5,538
	1904	17	2,583	2,224	1,337	2,402	5,273
Needles, pins, and hooks and eyes.	1914	12	3,068	3,235	1,548	2,339	5,109
	1909	8	2,648	3,190	1,311	1,697	4,236
	1904	13	2,326	1,654	1,055	1,182	3,062
Paint and varnish	1914	13	126	484	82	414	951
	1909	17	236	1,024	147	825	1,543
	1904	[3] 10	53	170	28	302	515
Paper and wood pulp	1914	44	1,898	21,111	1,141	4,007	5,969
	1909	51	1,720	19,509	924	3,393	5,527
	1904	50	1,750	18,021	843	2,738	5,039
Paper goods, not elsewhere specified.	1914	[4] 10	762	705	397	1,046	1,994
	1909	10	632	593	255	883	1,521
	1904	10	743	675	288	1,437	2,086
Patent medicines and compounds, and druggists' preparations.	1914	[5] 43	327	206	125	764	2,063
	1909	64	237	381	88	488	1,342
	1904	52	146	174	57	290	1,023
Printing and publishing	1914	[6] 364	2,838	3,618	1,932	2,195	7,713
	1909	363	2,878	3,425	1,736	1,769	6,370
	1904	[7] 328	2,528	2,530	1,502	1,276	5,066
Rubber goods, not elsewhere specified.	1914	18	2,455	9,598	$1,413	$5,645	$10,188
	1909	13	2,115	6,138	1,116	7,126	11,005
	1904	21	3,143	5,797	1,283	5,342	8,868
Shipbuilding, including boat building.	1914	37	514	1,303	458	342	1,665
	1909	43	427	1,454	254	315	742
	1904	46	1,998	.....	987	2,807	4,560
Silk goods, including throwing.	1914	44	10,668	11,160	5,606	18,406	30,592
	1909	47	8,703	8,564	3,749	11,834	21,063
	1904	43	7,792	7,821	3,124	9,098	15,624
Silverware and plated ware.	1914	33	6,465	7,265	3,682	7,382	15,239
	1909	31	6,223	5,751	3,446	7,232	15,837
	1904	[7] 22	3,854	3,500	2,099	3,640	8,126
Slaughtering and meat packing.	1914	[8] 26	463	596	281	4,555	5,216
	1909	28	432	590	239	3,949	4,572
	1904	26	371	461	204	2,809	3,218
Soap	1914	7	258	636	131	771	1,672
	1909	9	260	540	131	732	1,528
	1904	14	203	.....	96	428	1,061
Tobacco manufactures	1914	256	1,570	203	1,068	1,215	3,149
	1909	265	1,513	48	908	1,064	2,738
	1904	226	1,267	24	766	852	2,350
Toys and games	1914	14	527	276	229	380	1,040
	1909	13	342	241	148	200	549
	1904	12	266	.....	96	134	257
Typewriters and supplies.	1914	7	4,662	3,676	2,802	1,461	7,178
	1909	8	2,934	2,034	1,898	1,041	4,016
	1904	6	1,507	1,113	809	355	1,637
Wirework, including wire rope and cable.	1914	20	646	644	350	663	1,330
	1909	28	1,420	1,517	684	1,648	3,345
	1904	29	1,261	2,410	575	1,249	2,600
Woolen, worsted, and felt goods.	1914	53	7,350	18,194	3,731	10,764	17,129
	1909	56	7,789	17,518	3,485	12,838	19,363
	1904	59	7,429	14,949	2,998	10,073	15,483
All other industries	1914	712	30,499	74,595	17,025	43,743	83,299
	1909	719	28,093	67,310	14,783	40,747	70,285
	1904	574	26,974	67,518	13,610	32,512	59,747

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
BRIDGEPORT—All industries.	1914	495	30,042	51,556	$16,929	$44,732	$85,126
	1909	367	25,775	43,387	13,319	37,047	65,699
	1904	306	19,492	.....	9,480	22,335	44,587
Bread and other bakery products.	1914	54	289	166	227	662	1,149
	1909	49	262	117	186	591	964
	1904	42	237	.....	148	453	801
Carriages and wagons and materials.	1914	5	71	141	46	51	149
	1909	6	73	108	47	50	145
	1904	[9] 5	164	.....	109	128	347
Copper, tin, and sheet-iron products.	1914	[10] 13	387	600	207	354	763
	1909	9	287	253	124	263	492
	1904	[9] 9	156	.....	78	148	299
Corsets	1914	8	4,435	2,156	1,639	4,616	7,640
	1909	5	3,659	984	1,349	3,802	6,869
	1904	6	2,289	.....	667	1,251	2,954
Electrical machinery, apparatus, and supplies.	1914	7	1,681	1,782	808	2,216	4,284
	1909	5	1,400	1,449	575	1,842	3,321
	1904	3	549	.....	196	594	1,104
Foundry and machine-shop products.	1914	[11] 57	5,351	8,464	3,008	4,249	10,288
	1909	48	4,904	10,555	2,716	4,336	9,752
	1904	36	1,999	.....	1,007	1,239	3,269
BRIDGEPORT—Con.							
Liquors, malt	1914	3	68	794	$61	$272	$678
	1909	3	72	365	59	160	518
	1904	4	49	.....	46	104	414
Marble and stone work	1914	4	28	159	27	36	89
	1909	7	43	148	32	43	102
	1904	[9] 4	26	.....	21	24	58
Models and patterns, not including paper patterns.	1914	6	34	32	23	13	81
	1909	7	38	27	33	10	56
	1904	5	18	.....	11	3	24
Printing and publishing	1914	[12] 41	215	310	174	188	739
	1909	35	172	303	120	127	512
	1904	[9] 22	160	.....	118	110	409
Tobacco, cigars	1914	19	43	.....	27	30	87
	1909	16	35	.....	20	21	69
	1904	20	34	.....	19	22	76
All other industries	1914	188	17,440	36,952	10,592	32,045	59,179
	1909	177	14,830	29,087	8,088	26,702	42,779
	1904	150	13,811	.....	7,060	18,259	34,832

[1] Includes "saddlery and harness" and "trunks and valises."
[2] Includes "boxes, wooden packing," "lumber, planing-mill products, not including planing mills connected with sawmills," and "window and door screens."
[3] Excludes statistics for four establishments to avoid disclosure of individual operations.
[4] Includes "envelopes."
[5] Includes "perfumery and cosmetics."
[6] Includes "bookbinding and blank-book making;" "engraving, steel and copper plate, including plate printing;" and "lithographing."
[7] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[8] Includes "sausage."
[9] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[10] Includes "stamped and enameled ware, not elsewhere specified."
[11] Includes "automobile repairing," "engines, steam, gas, and water;" "gas machines;" "hardware;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork, not made in steel works or rolling mills."
[12] Includes "engraving, steel and copper plate, including plate printing."

TABLE 35.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
HARTFORD—All industries.	1914	380	17,137	22,390	$11,312	$17,644	$42,831
	1909	396	14,627	19,410	9,374	17,863	40,680
	1904	340	11,221	.....	6,562	11,487	25,974
Brass and bronze products.	1914	6	88	113	59	108	238
	1909	6	51	43	39	104	183
	1904	[1] 4	30	.....	17	43	70
Bread and other bakery products.	1914	42	300	204	218	726	1,178
	1909	37	241	89	172	668	1,105
	1904	26	199	.....	124	451	843
Brick and tile, building brick.	1914	6	179	472	97	51	212
	1909	7	148	415	77	31	167
	1904	6	96	.....	44	21	98
Carriages and wagons.	1914	9	100	66	74	127	253
	1909	6	118	87	80	53	178
	1904	[2] 7	109	.....	67	66	219
Clothing, women's.	1914	5	353	53	142	218	477
	1909	6	361	32	103	99	269
	1904	6	94	.....	25	63	142
Copper, tin, and sheet-iron products.	1914	12	70	20	53	80	168
	1909	6	43	89	29	36	95
	1904	7	42	.....	28	50	108
Electrical machinery, apparatus, and supplies.	1914	9	1,310	914	717	989	2,752
	1909	10	780	599	382	622	1,704
	1904	7	548	.....	244	362	1,132
Foundry and machine-shop products.	1914	[3] 45	2,506	3,526	1,871	1,779	5,180
	1909	52	2,768	4,128	2,014	2,142	6,549
	1904	39	2,322	.....	1,458	1,328	4,117
Liquors, malt.	1914	4	182	963	191	614	1,459
	1909	4	138	483	125	444	1,256
	1904	4	102	.....	71	254	760
Lumber and timber products.	1914	[4] 16	223	915	166	331	647
	1909	15	195	920	141	224	473
	1904	[1] 9	147	.....	99	270	477
Marble and stone work.	1914	7	39	165	29	49	112
	1909	7	43	154	38	84	175
	1904	4	25	.....	17	36	101
Mineral and soda waters.	1914	9	26	28	17	34	89
	1909	9	27	243	15	17	56
	1904	6	19	.....	12	12	36
Models and patterns, not including paper patterns.	1914	5	50	51	47	12	85
	1909	6	56	63	47	12	90
	1904	3	44	.....	38	7	57
Printing and publishing.	1914	[5] 64	904	1,028	593	789	2,464
	1909	68	866	1,111	541	620	2,008
	1904	67	761	.....	491	453	1,667
Tobacco, cigars and cigarettes.	1914	27	280	6	208	286	661
	1909	28	272	2	184	213	517
	1904	24	261	.....	167	192	494
All other industries.	1914	114	10,527	13,866	6,830	11,451	26,856
	1909	129	8,520	10,943	5,387	12,494	25,855
	1904	121	6,422	.....	3,660	7,879	15,653
NEW BRITAIN—All industries.	1914	120	14,320	17,137	7,355	8,385	23,227
	1909	111	13,513	14,363	6,741	8,328	22,021
	1904	95	10,073	.....	4,687	5,668	14,960
Bread and other bakery products.	1914	18	114	73	78	217	367
	1909	16	88	23	50	144	246
	1904	12	48	.....	30	125	205
Foundry and machine-shop products.	1914	[6] 20	7,653	9,013	4,096	4,102	12,265
	1909	20	7,493	8,293	3,835	4,460	11,648
	1904	19	6,718	.....	3,101	3,486	9,461
Mineral and soda waters.	1914	5	4	10	3	5	13
	1909	4	3	2	1	4	12
	1904	4	4	.....	2	4	12
NEW BRITAIN—Con.							
Printing and publishing.	1914	[7] 12	135	87	$77	$81	$220
	1909	10	106	67	45	53	163
	1904	10	60	.....	34	38	129
Tobacco, cigars.	1914	10	65	1	38	46	107
	1909	10	60	1	34	44	102
	1904	7	39	.....	23	27	73
All other industries.	1914	55	6,349	7,953	3,063	3,934	10,255
	1909	51	5,763	5,977	2,776	3,623	9,850
	1904	43	3,204	.....	1,497	1,988	5,077
NEW HAVEN—All industries.	1914	538	24,993	38,180	14,462	27,317	57,752
	1909	[8] 588	23,497	31,257	12,752	24,152	50,870
	1904	490	21,437	.....	11,204	18,521	39,666
Bread and other bakery products.	1914	67	374	317	233	866	1,526
	1909	65	370	163	230	876	1,473
	1904	53	254	.....	155	537	926
Carriages and wagons.	1914	5	46	32	34	40	97
	1909	15	91	73	62	98	223
	1904	28	853	.....	374	329	947
Clothing, men's, including shirts.	1914	8	63	19	28	63	110
	1909	10	42	6	19	67	111
	1904	[2] 4	22	.....	11	47	68
Food preparations, not elsewhere specified.	1914	6	82	112	28	161	320
	1909	3	32	.....	14	35	114
	1904	.....	.....	.....	.....	.....	.....
Foundry and machine-shop products.	1914	[9] 51	4,171	4,276	2,265	2,707	7,027
	1909	55	5,190	4,393	2,885	3,005	7,806
	1904	58	4,176	.....	2,050	1,818	5,395
Furniture.	1914	8	192	333	35	93	209
	1909	10	101	254	57	133	252
	1904	[2] 7	62	.....	38	56	135
Hats and caps, other than felt, straw, and wool.	1914	6	76	15	47	107	248
	1909	6	66	11	43	116	240
	1904	4	37	.....	27	56	109
Jewelry.	1014	6	7	7	6	12	31
	1909	7	15	5	7	27	55
	1904	4	13	.....	7	12	32
Liquors, malt.	1914	4	123	640	122	342	1,303
	1909	4	114	607	100	326	1,290
	1904	4	98	.....	85	217	905
Lumber and timber products.	1914	[10] 16	187	853	128	403	635
	1909	[8] 19	229	948	142	366	609
	1904	[1] 9	140	.....	82	404	598
Marble and stone work.	1914	10	25	79	24	20	68
	1909	10	47	65	40	25	86
	1904	8	45	.....	30	31	96
Mattresses and spring beds.	1914	4	25	37	16	66	105
	1909	5	33	.....	14	62	98
	1904	.....	.....	.....	.....	.....	.....
Mineral and soda waters.	1914	12	31	28	19	36	73
	1909	13	37	.....	23	34	87
	1904	7	26	.....	16	21	72
Printing and publishing.	1914	[5] 74	515	615	360	442	1,720
	1909	[8] 71	512	508	332	334	1,323
	1904	66	510	.....	331	234	1,101
Tobacco manufactures.	1914	45	747	26	524	568	1,433
	1909	61	647	43	388	455	1,141
	1904	38	445	.....	274	304	799
Tools, not elsewhere specified.	1914	6	364	497	241	140	549
	1909	6	232	191	133	87	400
	1904	3	101	.....	56	53	196
All other industries.	1914	210	17,965	30,294	10,352	21,251	42,298
	1909	228	15,739	23,990	8,263	18,106	35,562
	1904	197	14,655	.....	7,668	14,402	28,287

[1] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[2] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[3] Includes "engines, steam, gas, and water;" "hardware;" "plumbers' supplies, not elsewhere specified;" "pumps, steam;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork, not made in steel works or rolling mills."
[4] Includes "boxes, wooden packing;" "lumber, planing-mill products, not including planing mills connected with sawmills;" and "window and door screens."
[5] Includes "bookbinding and blank-book making;" "engraving, steel and copper plate, including plate printing;" and "lithographing."
[6] Includes "hardware;" "hardware saddlery;" "plumbers' supplies, not elsewhere specified;" and "steam fittings and steam and hot-water heating apparatus."
[7] Includes "bookbinding and blank-book making."
[8] Figures do not agree with those published because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.
[9] Includes "automobile repairing;" "hardware;" "hardware, saddlery;" "plumbers' supplies, not elsewhere specified;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork, not made in steel works or rolling mills."
[10] Includes "boxes, wooden packing."

TABLE 35.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
WATERBURY—All industries.	1914	190	20,189	46,714	$11,503	$31,618	$50,659
	1909	169	20,170	37,518	11,244	28,726	50,350
	1904	143	15,406	.....	8,016	17,770	32,367
Brass, bronze, and copper products.	1914	16	10,010	33,637	5,818	24,238	32,624
	1909	15	9,603	26,530	5,451	21,599	31,462
	1904	[1] 14	7,445	.....	3,981	13,183	19,987
Bread and other bakery products.	1914	27	121	74	92	325	559
	1909	20	133	40	90	325	505
	1904	18	137	.....	86	302	453
Copper, tin, and sheet-iron products.	1914	[2] 6	821	855	358	486	1,184
	1909	5	858	396	366	430	1,046
	1904	[3] 4	851	.....	354	364	1,038
WATERBURY—Con.							
Foundry and machine-shop products.	1914	[4] 23	1,857	4,265	$1,161	$1,337	$3,382
	1909	23	2,007	2,359	1,282	1,306	3,558
	1904	13	821	.....	517	349	1,335
Printing and publishing.	1914	[5] 17	173	233	148	115	426
	1909	15	181	186	129	97	399
	1904	[1] 14	126	.....	82	55	269
Tobacco, cigars.	1914	15	43	.....	28	31	84
	1909	18	67	1	36	41	115
	1904	9	26	.....	15	20	49
All other industries.	1914	86	7,164	7,650	3,898	5,086	12,400
	1909	73	7,321	8,006	3,890	4,928	13,265
	1904	71	6,000	.....	2,981	3,497	9,236

CITIES 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

ANSONIA.	1914	42	4,312	14,494	$2,412	$17,212	$21,499
	1909	53	4,127	13,209	2,384	14,611	20,088
	1904	49	3,394	.....	1,683	15,308	19,132
DANBURY.	1914	126	5,304	6,802	2,967	5,814	10,602
	1909	131	4,810	5,660	2,858	4,879	10,318
	1904	103	4,515	.....	2,264	3,695	8,066
MERIDEN.	1914	127	8,166	8,045	4,696	7,035	16,746
	1909	120	7,845	6,615	4,235	6,943	16,317
	1904	97	7,281	.....	3,669	5,644	13,764
MIDDLETOWN.	1914	72	2,389	4,569	1,222	3,258	5,643
	1909	58	2,434	3,333	1,003	2,943	4,955
NAUGATUCK.	1914	28	3,539	7,510	2,017	4,951	9,575
	1909	24	3,464	5,967	1,967	7,329	11,033
	1904	22	3,628	.....	1,998	7,260	11,010
NEW LONDON.	1914	80	2,154	3,799	$1,085	$2,831	$4,940
	1909	70	2,225	2,912	926	2,531	4,483
	1904	57	2,554	.....	1,070	2,527	4,710
NORWICH.	1914	105	4,074	13,537	2,154	4,505	8,471
	1909	[6] 89	4,101	11,462	1,996	4,277	8,379
	1904	87	3,706	.....	1,694	3,043	6,022
STAMFORD.	1914	83	5,723	7,677	3,202	6,374	12,964
	1909	86	3,984	6,554	2,350	3,704	8,740
	1904	62	3,341	.....	1,722	2,330	5,890
TORRINGTON.	1914	54	4,974	8,445	2,649	9,165	14,315
	1909	54	4,488	7,165	2,384	7,463	12,550
WILLIMANTIC.	1914	51	3,507	9,946	1,538	4,585	9,564
	1909	47	3,020	10,566	1,235	3,194	6,733

[1] Excludes statistics for one establishment to avoid disclosure of individual operations.
[2] Includes "stamped and enameled ware."
[3] Excludes statistics for two establishments to avoid disclosure of individual operations.
[4] Includes "hardware;" "plumbers' supplies, not elsewhere specified," and "structural ironwork, not made in steel works or rolling mills."
[5] Includes "bookbinding and blank-book making."
[6] Figures do not agree with those published, because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

TABLE 36.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	4,104	254,499	3,123	6,026	13,287	5,799	226,264	Mh 233,083	Au 219,789	(3)	(3)	(3)	(3)	(3)	$620,194,294
2	Artificial stone products	18	219	16	8	14	3	178	Oc 213	Mh 128	174	174	.....	.....	.....	298,426
3	Automobiles, including bodies and parts.	28	2,566	13	87	149	94	2,223	Je 2,599	No 1,835	2,195	2,162	11	22	.....	8,920,981
4	Automobile repairing	11	54	11	.....	2	1	40	Au 43	Ja[4] 39	41	40	1	.....	.....	28,979
5	Awnings, tents, and sails	20	65	19	3	2	2	39	My 61	Ja 22	47	29	18	.....	.....	54,933
6	Bookbinding and blank-book making	17	82	16	1	.....	2	63	Ja[4] 64	Je 61	65	35	29	1	.....	47,485
7	Boots and shoes	9	644	12	25	19	21	567	De 695	Ja 466	695	380	292	10	13	901,215
8	Boxes, fancy and paper	42	2,409	16	73	81	43	2,196	Mh 2,244	Au 2,125	2,164	875	1,157	20	112	2,919,043
9	Brass, bronze, and copper products	67	18,196	33	231	942	209	16,781	Mh 17,455	No 16,218	16,893	15,061	1,734	58	40	51,885,745
10	Bread and other bakery products	467	2,749	490	46	85	114	2,014	Jy 2,065	Fe 1,959	2,049	1,816	198	20	15	3,853,428
11	Brooms	7	20	7	.....	.....	.....	13	(5) 13	(5) 13	13	13	.....	.....	.....	15,064
12	Brushes	11	159	9	7	5	8	130	My 141	De 117	119	78	37	2	2	147,212
13	Butter and cheese	24	82	7	11	1	.....	63	Je 73	De 50	70	68	2	.....	.....	97,674
14	Buttons	18	1,164	9	35	39	18	1,063	Fe 1,132	Jy 974	1,073	465	560	24	24	1,609,754
15	Carpets, rag	6	22	7	1	.....	.....	14	(5) 14	(5) 14	14	14	.....	.....	.....	9,385
16	Carriage and wagon materials	5	89	5	5	4	3	72	Ap[4] 75	Au[4] 69	69	69	.....	.....	.....	225,856
17	Carriages, wagons, and repairs	79	481	82	12	3	4	380	My[4] 409	Oc 351	367	367	.....	.....	.....	820,412
18	Cars and general shop construction and repairs by electric-railroad companies.	21	360	.....	3	21	.....	336	Se 367	Fe 318	319	319	.....	.....	.....	1,725,711
19	Clocks	9	3,983	.....	53	116	61	3,753	Oc 3,860	De 3,559	3,559	2,525	942	60	32	6,761,384
20	Clothing, men's	20	442	27	8	9	7	391	.....	.....	370	116	254	.....	.....	197,527
21	Men's, youths', and boys'	14	210	16	5	9	6	174	Mh 198	De 161	164	64	100	.....	.....	165,565
22	Contract work	6	232	11	3	.....	1	217	Mh 238	Ja 201	206	52	154	.....	.....	31,962
23	Clothing, women's	19	1,476	24	19	41	55	1,337	Mh 1,535	De 1,056	1,218	291	893	9	25	754,589
24	Coffee, roasting and grinding	7	67	5	6	21	9	26	Jy[4] 27	Mh[4] 25	26	18	8	.....	.....	135,601
25	Coffins, burial cases, and undertakers' goods.	4	96	.....	7	35	8	46	Ja[4] 47	De[4] 45	45	42	3	.....	.....	295,220
26	Confectionery and ice cream	73	650	83	36	53	57	421	.....	.....	418	282	135	.....	1	940,569
27	Confectionery	27	332	25	9	35	36	227	Oc 243	Ja 194	230	102	127	.....	1	254,886
28	Ice cream	46	318	58	27	18	21	194	Jy 252	Ja 152	188	180	8	.....	.....	685,683
29	Copper, tin, and sheet-iron work	43	388	37	25	8	17	301	Oc 324	Fe 266	290	288	2	.....	.....	585,656
30	Cordage and twine	10	351	4	21	4	6	316	Ap 322	No 307	310	138	159	4	9	501,329
31	Corsets	21	7,928	9	132	304	185	7,298	Ap 7,655	No 6,561	7,258	1,031	5,886	31	310	8,151,296
32	Cotton goods	44	15,661	19	172	244	133	15,093	My 15,277	No 14,856	15,053	8,531	5,871	309	342	44,959,508
33	Cutlery and edge tools	33	5,403	5	103	188	99	5,008	.....	.....	5,160	4,635	476	35	14	11,475,122
34	Table cutlery, and scissors, shears, and clippers.	12	3,032	2	56	125	80	2,769	Mh 2,947	Oc 2,526	2,896	2,535	343	11	7	7,190,785
35	Axes, hatchets, and pocketknives	9	1,770	.....	29	35	12	1,694	Je 1,821	Ja 1,647	1,722	1,576	117	23	6	3,258,447
36	All other	12	601	3	18	28	7	545	Fe 579	Jy 520	542	524	16	1	1	1,025,890
37	Dyeing and finishing textiles	12	1,857	2	28	45	18	1,764	Oc 1,819	Se 1,725	1,729	1,507	177	26	19	4,837,005
38	Electrical machinery, apparatus, and supplies.	43	5,880	5	174	428	214	5,059	Mh 5,407	Se 4,873	5,076	3,251	1,660	63	102	14,354,427
39	Electroplating	15	147	14	11	3	6	113	Oc 123	My 101	109	103	4	2	.....	193,968
40	Engines, steam, gas, and water	18	1,293	7	81	90	40	1,075	De 1,279	Se 973	1,279	1,275	.....	4	.....	5,114,088
41	Engraving and diesinking	4	13	3	.....	.....	1	9	De 11	Je[4] 8	10	8	2	.....	.....	10,528
42	Engraving, wood	5	28	8	.....	1	1	18	Je[4] 20	Ja[4] 16	16	16	.....	.....	.....	11,844
43	Envelopes	4	810	.....	28	39	29	714	Ap[4] 729	De 691	691	299	361	8	23	1,937,152
44	Fancy articles, not elsewhere specified.	9	418	8	14	23	16	357	No 385	Ja 219	359	234	119	3	3	889,267
45	Felt goods	4	247	.....	8	19	3	217	Oc 243	Mh 193	237	223	11	2	1	1,072,302
46	Fertilizers	10	415	6	26	43	11	329	Ap 416	No 256	319	296	20	3	.....	1,804,167
47	Files	3	28	2	.....	1	.....	25	Fe[4] 31	De[4] 21	21	21	.....	.....	.....	14,246
48	Firearms and ammunition	13	11,798	1	215	490	229	10,863	De 13,382	Au 9,307	13,382	10,177	3,167	22	16	31,036,883
49	Flour-mill and gristmill products	85	228	86	11	12	6	113	De 120	Ap 109	120	120	.....	.....	.....	1,214,432
50	Food preparations, not elsewhere specified.	23	168	25	9	9	11	114	.....	.....	119	68	49	2	.....	247,359
51	Macaroni, vermicelli, and noodles	9	50	12	1	.....	2	35	Je[4] 36	Ja[4] 34	36	36	.....	.....	.....	63,350
52	All other	14	118	13	8	9	9	79	Au 86	No 72	83	32	49	2	.....	184,009
53	Foundry and machine-shop products	239	15,114	109	582	751	327	13,345	.....	.....	13,567	13,252	279	29	7	44,045,544
54	Boiler shops	9	385	3	19	36	10	317	Au 342	Ja 243	329	328	.....	1	.....	1,692,650
55	Foundries	30	2,926	10	119	80	25	2,692	Ja 2,926	De 2,463	2,511	2,471	31	9	.....	7,899,383
56	Machine shops	200	11,803	96	444	635	292	10,336	Ja 10,875	Se 9,723	10,727	10,453	248	19	7	34,453,511
57	Fur goods	10	40	11	.....	1	3	25	No 43	Ap 11	38	18	20	.....	.....	99,087
58	Furnishing goods, men's	17	3,371	3	96	90	40	3,142	Mh 3,372	De 2,837	2,875	1,180	1,615	25	55	5,528,815
59	Furniture	22	892	13	45	31	20	783	.....	.....	773	755	16	2	.....	1,079,464
60	Wood, other than rattan and willow.	15	628	10	33	11	9	565	My 608	No 523	539	529	10	.....	.....	488,575
61	Metal and store and office fixtures.	7	264	3	12	20	11	218	Mh 246	Ja 164	234	226	6	2	.....	590,889
62	Gas, illuminating and heating	27	1,592	1	85	197	100	1,209	Jy 1,428	Mh 1,023	1,194	1,189	.....	5	.....	22,174,341
63	Glass, cutting, staining, and ornamenting.	11	402	7	16	17	13	349	Fe 398	Jy 219	334	257	61	6	10	497,245
64	Grease and tallow, not including lubricating greases.	9	202	5	9	21	1	166	Mh 174	Oc 157	166	166	.....	.....	.....	629,682
65	Hand stamps	6	24	5	2	.....	2	15	De 17	Je[4] 14	16	13	2	1	.....	28,555
66	Hardware	68	21,626	19	468	1,414	721	19,004	.....	.....	18,013	14,848	2,848	237	80	41,942,098
67	Locks	7	3,880	.....	51	171	113	3,545	Fe 3,669	No 3,433	3,486	2,911	543	20	12	7,295,027
68	Hinges, and other builders' hardware.	10	11,629	2	261	1,029	484	9,853	Ja 10,559	De 8,995	9,161	7,588	1,421	115	37	23,523,061
69	All other	51	6,117	17	156	214	124	5,606	Mh 5,895	Au 5,251	5,366	4,349	884	102	31	11,124,010
70	Hardware, saddlery	5	1,301	.....	25	24	13	1,239	Oc 1,346	Jy 804	1,309	959	326	16	8	1,817,621

[1] Owned power only. [2] Includes rented power, other than electric. [3] No figures given for reasons stated under "Explanation of terms."

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal-revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$16,475,434	$19,036,065	$125,219,860	$2,059,176	$1,980,013	$5,181,606	$276,982,086	$11,528,800	$545,471,517	$256,060,631	453,812	303,799	18,917	66,802	64,294	111,715	1
15,820	14,707	91,655	2,075	1,589	1,866	114,881	4,342	288,042	168,819	284	148	59	.....	77	.....	2
261,845	293,441	1,696,006	1,795	31,774	61,615	3,702,435	66,726	8,050,692	4,281,531	3,656	3,024	170	.....	462	1,644	3
.....	962	24,667	.....	2,020	87	6,727	752	69,648	62,169	21	.....	.....	.....	21	.....	4
2,392	1,514	23,469	.....	2,678	177	50,286	745	113,081	62,050	21	.....	3	.....	18	.....	5
2,080	972	31,648	230	4,468	337	32,738	734	99,591	66,119	31	.....	10	.....	21	.....	6
65,054	38,709	251,532	60,000	4,905	3,004	1,331,988	6,072	1,957,709	619,649	227	112	.....	.....	115	.....	7
165,243	160,002	1,075,513	.....	29,366	20,873	1,785,166	33,676	3,741,735	1,922,893	1,665	1,216	63	25	361	48	8
801,734	1,340,898	9,845,800	125	34,905	354,857	52,015,862	1,869,910	69,353,103	15,467,331	57,033	38,032	4,343	2,935	11,723	22,834	9
68,302	113,139	1,493,352	2,691	128,298	22,152	4,498,912	162,068	8,005,138	3,344,158	1,316	137	23	2	1,154	83	10
.....	.....	7,406	.....	372	133	15,859	329	34,009	17,821	19	.....	16	.....	3	.....	11
13,975	7,301	61,218	100	2,716	983	151,978	2,486	298,764	144,300	153	12	46	36	59	.....	12
10,230	420	42,825	10	764	679	522,350	4,801	624,288	97,137	197	183	.....	.....	14	.....	13
75,908	64,008	492,453	.....	9,338	10,745	589,125	24,183	1,498,002	884,694	882	600	41	214	27	481	14
750	.....	7,420	.....	480	59	5,568	611	27,235	18,056	22	12	2	.....	8	.....	15
11,642	5,827	40,324	741	.....	3,216	75,055	3,026	171,111	93,030	265	245	.....	20	.....	3	16
20,071	5,923	271,078	4,071	10,462	5,843	319,712	12,819	824,397	491,866	680	165	77	140	298	.....	17
5,390	24,122	248,321	.....	.....	932	249,619	2,005	531,048	279,424	503	.....	.....	.....	503	8	18
169,138	197,611	1,990,226	.....	195	41,080	1,635,046	60,390	4,523,975	2,828,539	3,328	2,720	.....	195	413	1,051	19
9,576	9,580	143,560	4,500	8,835	898	246,718	5,038	483,793	232,037	86	.....	10	.....	76	.....	20
5,624	9,060	64,987	500	5,576	285	241,272	2,533	373,806	130,001	29	.....	9	.....	20	.....	21
3,952	520	78,573	4,000	3,259	113	5,446	2,505	109,987	102,036	57	.....	1	.....	56	.....	22
45,442	80,358	464,991	400	12,511	4,168	688,260	12,000	1,596,883	896,628	383	240	.....	.....	143	30	23
12,780	11,062	16,866	.....	2,085	695	349,800	3,762	435,044	81,482	127	65	.....	.....	62	20	24
11,936	54,704	43,517	12,314	3,718	1,197	134,509	2,687	313,383	176,187	113	105	.....	.....	8	10	25
80,600	62,279	246,492	500	57,378	8,064	881,513	31,178	1,708,608	795,917	845	185	26	.....	634	.....	26
39,450	42,096	109,302	.....	35,695	2,491	473,165	8,610	783,560	301,785	147	60	.....	.....	87	.....	27
41,150	20,183	137,190	500	21,683	5,573	408,348	22,568	925,048	494,132	698	125	26	.....	547	.....	28
42,832	13,117	210,820	667	13,771	3,703	345,322	4,427	777,969	428,220	256	100	15	25	116	.....	29
29,679	5,970	102,775	.....	126	3,545	501,764	4,151	666,096	160,181	1,255	125	.....	1,094	36	.....	30
464,818	658,755	2,796,764	.....	36,145	54,818	7,529,107	45,456	12,935,805	5,361,242	2,970	2,660	25	.....	285	1,234	31
583,972	376,628	6,801,030	388,236	42,706	281,543	16,611,661	523,384	30,191,480	13,056,435	64,655	37,954	1,427	24,315	959	6,887	32
277,372	319,305	2,931,308	826	2,474	76,103	2,325,107	212,276	7,356,772	4,819,389	9,250	5,018	392	3,609	231	2,512	33
173,837	228,502	1,552,155	160	984	46,600	1,399,054	97,307	4,444,982	2,948,621	3,784	3,145	200	379	60	1,711	34
66,650	48,089	1,049,507	.....	.....	25,242	771,797	99,686	2,225,643	1,354,160	4,075	1,453	15	2,604	3	801	35
36,885	42,714	329,646	666	1,490	4,261	154,256	15,283	686,147	516,608	1,391	420	177	626	168	.....	36
81,316	86,047	923,404	5,117	3,150	45,066	1,235,831	219,155	3,503,139	2,048,153	7,738	4,621	339	2,550	237	1,871	37
606,941	633,425	2,629,530	10,807	49,088	80,598	7,257,829	178,301	14,330,156	6,894,026	6,459	4,320	31	181	1,927	2,544	38
58,681	3,484	65,914	500	6,228	835	61,215	9,404	242,999	172,380	256	65	.....	.....	191	.....	39
161,745	110,597	808,736	516	12,619	14,018	990,715	38,405	2,551,767	1,522,647	1,783	490	627	5	661	841	40
.....	450	5,950	.....	1,000	36	3,588	216	16,081	12,277	3	.....	.....	.....	3	.....	41
.....	1,273	13,449	312	1,288	.....	2,941	90	34,805	31,774	2	.....	.....	.....	2	.....	42
61,177	45,218	372,745	.....	1,500	11,067	943,524	10,776	1,830,181	875,881	558	340	5	195	18	163	43
41,312	41,783	195,633	.....	7,919	3,250	628,538	15,348	1,186,179	542,293	379	25	73	145	136	.....	44
24,434	32,155	92,964	.....	800	3,817	341,771	18,441	551,426	191,214	552	390	.....	160	2	26	45
53,106	60,291	184,789	50	.....	7,916	1,451,377	25,835	1,971,991	494,779	1,689	1,240	125	75	249	.....	46
2,100	754	10,410	.....	272	122	1,996	1,490	19,899	16,413	37	.....	12	.....	25	.....	47
640,291	606,397	7,117,311	750	7,504	206,943	11,360,483	336,912	25,657,797	13,960,492	11,080	6,691	3,100	162	1,127	11,364	48
12,280	8,084	59,239	65	7,004	7,718	1,614,023	16,793	1,881,481	250,665	2,971	1,035	384	972	580	.....	49
11,800	15,383	46,024	.....	5,799	1,333	340,707	10,407	597,402	246,288	264	102	10	.....	152	.....	50
1,200	480	12,952	.....	1,630	314	100,178	4,874	137,693	32,641	101	15	10	.....	76	.....	51
10,600	14,903	33,072	.....	4,169	1,019	240,529	5,533	459,709	213,647	163	87	.....	.....	76	.....	52
1,539,559	943,315	8,724,752	67,812	111,291	279,882	8,475,081	696,314	24,558,098	15,386,703	24,626	14,075	1,784	959	7,808	6,646	53
49,531	39,280	189,258	20,800	5,058	8,519	320,309	22,927	735,160	391,924	803	465	5	.....	333	18	54
269,490	97,115	1,492,651	2,355	4,162	48,193	1,203,645	210,848	3,731,446	2,316,953	4,136	3,266	118	285	467	1,447	55
1,220,538	806,920	7,042,843	44,657	102,071	223,170	6,951,127	462,539	20,091,492	12,677,826	19,687	10,344	1,661	674	7,008	5,181	56
.....	2,330	12,164	.....	5,412	709	38,398	307	91,518	52,813	9	.....	1	.....	8	.....	57
217,488	147,465	1,395,131	65	4,192	38,286	4,009,058	80,152	6,434,923	2,345,723	3,514	2,189	6	595	724	945	58
66,718	42,794	304,853	5,000	21,183	6,581	631,798	22,885	1,156,652	501,969	1,313	340	14	150	809	.....	59
44,930	14,626	171,375	2,520	15,723	2,576	258,392	16,751	596,859	321,716	1,015	200	14	60	741	.....	60
21,788	28,168	133,478	2,480	5,460	4,005	373,406	6,134	559,793	180,253	298	140	.....	90	68	.....	61
160,103	222,892	827,494	17,536	30,884	214,586	186,707	1,284,326	4,745,720	3,274,687	5,089	4,331	30	300	428	1,413	62
28,158	21,381	163,295	.....	2,902	2,957	194,804	5,820	492,635	292,011	278	210	15	15	38	66	63
9,010	20,916	112,030	14,867	.....	3,920	512,111	32,143	798,271	254,017	639	635	4	.....	.....	365	64
2,600	728	8,393	3,252	958	136	8,777	622	30,075	20,676	7	.....	.....	.....	7	.....	65
1,169,563	2,011,493	10,220,938	60,251	22,243	263,552	9,494,508	531,235	28,808,363	18,782,620	19,317	16,380	426	996	1,515	6,659	66
139,482	329,754	1,858,712	.....	.....	60,710	1,310,659	168,301	4,787,395	3,308,435	3,294	3,229	40	25	.....	953	67
623,725	1,263,679	5,217,705	50,000	1,676	139,029	4,424,135	260,167	14,831,361	10,147,059	8,815	8,360	105	50	300	4,705	68
406,356	418,060	3,153,521	10,251	20,567	63,813	3,759,714	102,767	9,189,607	5,327,126	7,208	4,791	281	921	1,215	1,001	69
82,293	51,240	515,549	.....	950	21,155	492,624	74,143	1,361,261	794,494	1,883	1,807	.....	50	26	.....	70

[1] Same number reported for one or more other months.

[2] Same number reported throughout the year.

TABLE 36.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	Hat and cap materials	15	444	12	17	12	3	400	Mh 451	Au 354	422	301	115	3	3	$1,176,356
2	Hats and caps, other than felt, straw, and wool.	9	129	15	7	8	5	94	Ja[2] 98	Jy[2] 90	98	75	23	.....	.....	132,874
3	Hats, fur-felt	58	6,006	33	115	323	74	5,461	Fe 5,868	My 4,887	5,587	3,945	1,588	42	12	6,166,607
4	Hats, straw	3	349	.....	14	15	18	302	Ja 359	Jy 141	342	160	179	3	.....	890,782
5	Hosiery and knit goods	25	3,069	12	54	62	37	2,904	Mh 2,996	Au 2,686	2,923	881	1,968	24	50	5,796,194
6	House-furnishing goods, not elsewhere specified.	5	1,335	.....	24	58	20	1,233	Fe 1,291	De 1,165	1,164	883	266	4	11	4,059,733
7	Ice, manufactured	5	113	2	9	10	6	86	Au 106	Ap 72	82	80	2	.....	.....	799,533
8	Iron and steel, bolts, nuts, washers, and rivets.	14	657	5	12	20	14	606	Ja 652	Se 564	573	501	70	2	.....	1,942,829
9	Iron and steel forgings, not made in steel works or rolling mills.	17	1,815	4	51	139	48	1,573	My 1,620	Fe 1,510	1,553	1,391	122	25	15	5,071,715
10	Jewelry	19	244	13	15	17	11	188	Se 266	Jy 134	178	92	80	2	4	290,338
11	Lamps	9	1,838	.....	26	109	30	1,673	.....	.....	1,627	1,297	305	17	8	3,773,097
12	Automobile lamps	4	220	.....	11	11	10	188	Fe 228	Se 160	190	170	13	6	1	222,392
13	All other	5	1,618	.....	15	98	20	1,485	Ja 1,651	Jy 1,333	1,437	1,127	292	11	7	3,550,705
14	Leather goods, not elsewhere specified	6	76	6	6	.....	2	62	Mh 69	Jy 57	58	53	5	.....	.....	90,580
15	Leather, tanned, curried, and finished.	7	217	3	15	7	7	185	Ja 210	Je 166	179	160	19	.....	.....	818,582
16	Lime	10	310	.....	17	6	3	284	Jy 339	De 216	255	255	.....	.....	.....	1,246,370
17	Liquors, distilled	9	30	6	4	1	1	18	Oc[3] 24	Ja[3] 16	23	23	.....	.....	.....	183,453
18	Liquors, malt	18	663	4	51	67	2	539	Au 549	De 528	536	535	1	.....	.....	6,617,320
19	Looking-glass and picture frames	5	19	6	1	.....	1	11	De 13	Jy[3] 10	12	10	2	.....	.....	38,740
20	Lumber and timber products	197	1,030	238	14	3	2	773	Fe 1,058	Jy 427	1,058	1,052	5	1	.....	983,003
21	Lumber, planing-mill products, not including planing mills connected with sawmills.	82	1,732	62	94	86	49	1,441	My 1,485	De 1,337	1,349	1,341	3	4	1	4,407,282
22	Marble and stone work	80	705	100	34	24	9	538	Ap 612	Ja 489	594	592	1	1	.....	1,366,978
23	Mattresses and spring beds	18	201	20	8	5	14	154	Je 170	Ja 139	150	123	27	.....	.....	397,627
24	Millinery and lace goods	7	144	5	6	8	8	117	.....	.....	105	32	59	4	10	175,920
25	Embroideries, trimmed hats, and hat frames.	4	68	4	2	2	3	57	Je 84	De 41	50	25	17	3	5	80,706
26	Dress and cloak trimmings, braids, fringes, and women's neckwear.	3	76	1	4	6	5	60	My 67	De 55	55	7	42	1	5	95,214
27	Mineral and soda waters	102	359	121	7	15	6	210	Jy 259	Ja 171	209	205	1	3	.....	584,007
28	Minerals and earths, ground	3	112	2	7	1	1	101	Au 122	Jy 67	97	97	.....	.....	.....	134,975
29	Models and patterns, not including paper patterns.	22	138	20	4	1	.....	113	Mh 126	Oc 97	125	119	5	1	.....	87,610
30	Musical instruments and materials, not specified.	5	15	4	1	.....	.....	10	De 12	Au 7	12	6	6	.....	.....	13,194
31	Musical instruments, pianos and organs.	7	796	.....	26	37	10	723	Fe 759	De 645	646	601	45	.....	.....	2,734,291
32	Musical instruments, piano and organ materials.	12	1,683	5	42	59	33	1,544	.....	.....	1,498	1,168	326	4		2,991,395
33	Piano materials	9	1,662	1	42	59	33	1,527	Ja 1,820	Jy 1,204	1,482	1,159	320	3	.....	2,963,107
34	Organ materials	3	21	4	.....	.....	.....	17	Jy 19	No 15	16	9	6	1	.....	28,288
35	Needles, pins, and hooks and eyes	12	3,286	7	44	96	71	3,068	De 3,151	Je 2,974	3,146	1,694	1,286	54	112	4,984,274
36	Paints	9	182	1	16	42	16	107	Fe 111	De 101	101	96	5	.....	.....	791,894
37	Paper and wood pulp	44	2,098	14	103	50	33	1,898	Ap 1,946	Au 1,821	1,901	1,728	168	5	.....	6,899,200
38	Paper goods, not elsewhere specified	6	61	4	6	2	1	48	Mh[3] 50	Au[3] 45	50	39	9	2	.....	131,467
39	Patent medicines and compounds	37	366	29	23	66	25	223	Ap 253	Ja 166	227	76	137	1	13	543,329
40	Paving materials	11	236	2	8	10	2	214	Se 282	Fe 65	228	228	.....	.....	.....	804,477
41	Photo-engraving	8	124	6	11	2	5	100	Ja[3] 103	De 94	94	84	6	4	.....	109,050
42	Pickles, preserves, and sauces	9	103	5	4	11	8	75	Au 128	Ja 55	73	48	24	1	.....	243,087
43	Plated ware	26	6,172	4	121	445	200	5,402	.....	.....	5,205	4,187	919	47	52	14,198,001
44	Hollow ware	5	919	.....	17	51	19	832	Fe 875	Jy 706	857	785	64	7	1	1,951,346
45	All other	21	5,253	4	104	394	181	4,570	Mh 4,760	De 4,417	4,348	3,402	855	40	51	12,246,655
46	Plumbers' supplies, not elsewhere specified.	11	676	7	21	43	20	585	Jy 626	Ja 540	601	554	47	.....	.....	1,365,652
47	Printing and publishing, book and job.	208	2,123	192	109	121	121	1,580	.....	.....	1,593	1,201	356	30	6	2,996,501
48	Job work only	196	1,939	183	95	63	80	1,518	My 1,558	Au 1,470	1,532	1,164	336	29	3	2,719,311
49	Book publishing and printing	12	184	9	14	58	41	62	Je 74	Ap 54	61	37	20	1	3	277,190
50	Printing and publishing, newspapers and periodicals.	131	1,942	71	137	461	146	1,127	.....	.....	1,154	1,006	125	23	.....	3,508,812
51	Printing and publishing	21	913	13	46	327	71	456	No 467	Mh 437	464	432	22	10	.....	1,850,477
52	Printing, publishing, and job printing.	72	954	41	69	117	57	670	De 689	Jy 656	689	573	103	13	.....	1,617,599
53	Publishing without printing	38	75	17	22	17	18	1	(4) 1	(4) 1	1	1	.....	.....	.....	40,736
54	Printing materials	3	13	1	1	.....	.....	11	Ap[3] 12	De[3] 10	10	7	3	.....	.....	32,028
55	Rubber goods, not elsewhere specified.	18	2,846	2	97	168	94	2,485	My 3,193	No 1,785	2,502	2,125	353	11	13	7,813,178
56	Screws, machine	8	626	2	17	27	9	571	Fe[3] 616	No 527	574	525	47	2	.....	1,798,547
57	Screws, wood	4	2,424	1	14	89	54	2,266	Ja 2,706	De 1,992	2,342	1,772	553	15	2	4,270,049
58	Shipbuilding, iron and steel	3	331	.....	26	57	22	226	No[3] 277	Ja 105	275	262	9	4	.....	1,202,187
59	Shipbuilding, wooden, including boat building.	34	342	30	14	6	4	288	.....	.....	277	276	.....	1	.....	1,167,426
60	New vessels	8	246	3	11	5	4	223	Mh[3] 262	No 178	211	210	.....	1	.....	1,060,574
61	Repair work only	5	41	3	3	1	.....	34	My 54	De 19	28	28	.....	.....	.....	46,166
62	Small boats, and masts and spars.	21	55	24	.....	.....	.....	31	My 49	Ja[3] 22	38	38	.....	.....	.....	60,686

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal-revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$28,914	$19,332	$160,395	$512	$4,065	$5,575	$1,253,282	$30,362	$1,593,895	$310,251	1,105	710	5	171	219	75	1
8,696	16,519	55,610	.....	5,272	488	119,116	1,559	238,165	167,490	28	.....	9	.....	19	.....	2
256,182	351,055	3,057,272	15,963	29,091	31,338	4,462,424	170,850	9,475,778	4,842,504	6,029	4,871	35	.....	1,123	972	3
43,266	32,390	162,631	.....	9,246	1,105	429,608	7,793	800,408	363,007	236	236	.....	.....	.....	105	4
160,278	112,129	1,296,113	1,538	15,264	54,999	2,673,227	53,344	5,221,683	2,495,112	3,365	2,590	.....	650	125	402	5
104,113	87,829	573,137	414	4,900	25,858	2,411,878	31,535	3,818,969	1,375,556	2,521	1,375	.....	475	671	.....	6
20,603	11,183	64,225	.....	.....	150	24,977	38,093	191,824	128,754	1,346	1,335	.....	.....	11	140	7
38,132	45,014	317,853	.....	840	9,509	455,182	35,520	1,048,197	557,495	1,894	480	227	585	602	16	8
190,211	189,577	1,090,136	3,260	18,840	35,409	1,743,315	139,263	4,559,897	2,677,319	4,226	1,338	203	230	2,455	385	9
31,811	29,126	104,536	.....	7,996	898	90,032	4,085	329,842	235,725	115	65	15	.....	35	9	10
90,396	184,986	897,485	181	9,515	31,190	1,179,542	44,210	2,896,003	1,672,251	1,651	780	.....	75	796	108	11
26,360	15,538	117,887	98	6,251	2,297	150,556	6,129	353,633	196,948	219	35	.....	.....	184	.....	12
64,036	169,448	779,598	83	3,264	28,893	1,028,986	38,081	2,542,370	1,475,303	1,432	745	.....	75	612	108	13
17,575	506	30,411	.....	1,080	754	78,652	1,189	194,409	114,568	74	50	8	.....	16	.....	14
27,391	11,932	99,723	.....	6,250	5,467	624,005	11,714	905,961	270,242	340	174	120	15	31	3	15
20,256	9,506	158,015	.....	1,500	2,049	148,371	117,095	489,383	223,917	476	283	15	10	168	.....	16
8,310	1,670	11,412	100	.....	198,864	70,659	5,279	323,921	247,983	313	175	.....	.....	138	.....	17
176,017	106,525	546,375	56,324	.....	889,318	1,572,738	119,364	5,022,541	3,337,439	3,510	3,318	.....	.....	192	255	18
1,200	104	7,556	.....	4,534	270	18,871	155	45,323	26,297	.....	.....	.....	.....	.....	.....	19
10,448	2,862	418,072	136,250	454	6,700	461,920	7,518	1,500,840	1,031,402	6,380	4,598	428	1,232	122	.....	20
186,738	106,404	974,078	238	42,548	29,923	3,106,190	45,250	5,174,958	2,023,518	5,739	4,307	180	118	1,134	90	21
68,542	27,392	387,248	12,070	11,513	6,918	326,578	26,596	1,056,846	703,672	2,687	1,945	294	.....	448	50	22
15,014	9,180	87,210	120	6,640	2,290	278,079	6,520	488,650	204,051	160	70	.....	.....	90	7	23
11,980	17,255	42,830	4,445	1,165	1,115	165,029	2,774	285,248	117,475	68	.....	.....	.....	68	.....	24
3,495	2,671	22,272	.....	347	465	40,752	1,646	81,222	38,824	48	.....	.....	.....	48	.....	25
8,485	14,584	20,558	4,445	818	650	124,277	1,128	204,056	78,651	20	.....	.....	.....	20	.....	26
5,560	8,837	121,562	.....	10,682	4,520	224,271	9,507	566,744	332,966	333	99	41	18	175	.....	27
12,565	1,860	54,850	1,030	2,763	1,571	63,210	14,457	160,577	82,910	775	725	.....	50	.....	8	28
9,050	156	97,494	317	6,907	418	31,483	4,176	223,464	187,805	133	.....	4	.....	129	.....	29
1,560	.....	5,308	330	1,236	20	8,723	426	23,441	14,292	9	.....	.....	.....	9	.....	30
109,963	66,936	491,749	673	9,325	15,508	793,015	19,513	2,008,489	1,195,961	839	670	.....	.....	169	150	31
139,030	93,151	784,874	810	17,522	28,036	1,708,958	49,011	3,221,465	1,463,496	1,857	1,304	110	246	197	1,005	32
139,030	93,151	776,752	810	17,378	27,797	1,696,078	48,232	3,184,567	1,440,257	1,819	1,304	110	216	189	1,005	33
.....	.....	8,122	.....	144	239	12,880	779	36,898	23,239	38	.....	.....	30	8	.....	34
131,777	179,471	1,547,548	20,442	111,852	38,089	2,275,171	64,282	5,108,556	2,769,103	3,235	2,615	.....	510	110	1,450	35
37,020	99,508	65,240	2,000	1,800	2,095	307,810	15,785	735,925	412,330	439	325	.....	2	112	35	36
279,755	45,796	1,140,638	20,062	8,700	49,754	3,434,956	572,038	5,968,797	1,961,803	21,111	12,996	545	7,385	185	372	37
8,512	2,485	24,439	2,572	4,676	634	87,825	3,419	163,519	72,275	147	70	10	.....	67	.....	38
128,713	119,159	80,891	11,771	10,195	7,067	491,840	5,399	1,442,194	944,955	70	30	4	.....	36	.....	39
20,900	11,821	114,427	.....	2,825	3,963	56,050	16,921	280,524	207,553	1,890	1,876	14	.....	.....	2	40
35,886	7,428	76,927	3,012	4,266	780	37,593	2,856	213,071	172,622	57	25	.....	.....	32	.....	41
8,340	16,271	33,559	.....	9,140	574	135,277	3,116	249,781	111,388	190	184	2	.....	4	2	42
323,619	736,182	3,010,363	1,825	11,770	82,775	5,541,061	132,238	11,942,797	6,269,498	5,274	3,255	32	320	1,667	1,972	43
47,788	108,855	523,137	1,195	.....	12,517	465,398	20,027	1,446,613	961,188	580	140	.....	160	280	90	44
275,831	627,327	2,487,226	630	11,770	70,228	5,075,663	112,211	10,496,184	5,308,310	4,694	3,115	32	160	1,387	1,882	45
47,135	56,811	253,321	45	1,740	7,718	671,197	17,896	1,360,198	671,105	606	462	100	.....	44	8	46
107,905	170,262	958,484	153,322	87,389	21,713	1,105,356	41,568	3,505,751	2,358,827	1,443	227	68	15	1,133	40	47
90,083	110,720	928,453	10,205	81,959	20,728	1,038,943	38,876	3,086,574	2,008,755	1,368	177	68	15	1,108	40	48
17,822	59,542	30,031	143,117	5,430	985	66,413	2,692	419,177	350,072	75	50	.....	.....	25	.....	49
283,397	479,347	888,856	111,438	61,001	24,281	828,430	58,690	3,846,514	2,959,394	2,067	313	113	17	1,624	140	50
117,999	306,530	404,672	19,396	36,738	11,851	467,032	29,614	2,076,869	1,580,223	1,146	160	50	.....	936	55	51
137,363	153,214	483,976	2,323	20,553	12,287	348,449	28,945	1,544,604	1,167,210	918	153	63	17	685	85	52
28,035	19,603	208	89,719	3,710	143	12,949	131	225,041	211,961	3	.....	.....	.....	3	.....	53
1,000	.....	5,660	.....	552	286	12,275	623	25,306	12,408	28	.....	15	.....	13	.....	54
217,056	254,296	1,413,478	.....	88,556	39,063	5,455,896	188,946	10,187,757	4,512,915	9,598	7,618	80	750	1,150	2,898	55
39,625	29,686	333,768	25	2,214	12,729	327,447	28,987	906,177	549,743	1,832	710	9	.....	1,113	.....	56
48,213	148,432	849,232	.....	.....	40,263	934,390	66,868	2,842,798	1,841,540	2,853	2,508	.....	.....	345	1	57
164,576	105,752	235,953	.....	7,000	1,305	125,557	5,757	1,107,717	976,403	362	.....	.....	.....	362	.....	58
26,731	6,681	222,426	895	4,069	3,933	201,504	9,383	557,576	346,689	941	646	111	30	154	.....	59
22,881	5,641	177,864	595	1,356	3,209	166,074	7,264	439,385	266,047	613	555	11	.....	47	.....	60
3,850	1,040	23,028	.....	1,680	284	17,169	1,060	53,578	35,349	160	65	.....	.....	95	.....	61
.....	.....	21,534	300	1,033	440	18,261	1,059	64,613	45,293	168	26	100	30	12	.....	62

[3] Same number reported for one or more other months.

[4] Same number reported throughout the year.

TABDE 36.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.	Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	Shirts	8	967	9	20	14	10	914	Fe 965	Au 877	904	238	640	5	21	$1,278,842
2	Silk goods, including throwsters	44	11,731	25	170	604	264	10,668	.....	.....	10,248	5,412	4,482	129	218	49,931,036
3	Finished products	35	11,466	19	164	603	261	10,419	Jy 10,980	Ja 9,555	9,992	5,328	4,324	126	214	32,074,382
4	Throwing and winding	9	265	6	6	1	3	249	Ja 322	De 128	256	84	165	3	4	17,856,654
5	Silversmithing and silverware	7	1,283	1	24	144	51	1,063	Ap 1,102	Jy 851	1,051	908	132	7	4	5,123,737
6	Slaughtering and meat packing	26	555	27	7	46	12	463	Ja 538	Au 416	485	485	.....	.....	.....	1,840,270
7	Soap	7	376	5	17	56	40	258	Fe 296	Oc 232	266	157	105	.....	4	1,060,488
8	Stamped and enameled ware, not elsewhere specified.	18	2,256	2	56	57	57	2,084	Mh 2,212	De 1,963	1,967	1,173	763	19	12	4,614,886
9	Stationery goods, not elsewhere specified.	3	50	1	2	14	12	21	De 28	Ja 15	27	19	8	.....	.....	65,017
10	Statuary and art goods	4	28	4	2	.....	.....	22	Au 31	De[3] 19	19	19	.....	.....	.....	16,221
11	Steam fittings and steam and hot-water heating apparatus	14	3,982	5	53	505	48	3,371	Au 3,478	No 3,190	3,311	3,167	132	12	.....	8,752,354
12	Stencils and brands	3	26	2	2	1	3	18	(4) 18	(4) 18	18	18	.....	.....	.....	53,160
13	Stereotyping and electrotyping	6	102	4	5	3	3	87	Ja[3] 88	Ap[3] 86	87	86	1	.....	.....	67,068
14	Stoves and hot-air furnaces, and ranges.	4	96	3	7	5	3	78	Mh 89	Jy 40	78	78	.....	.....	.....	135,912
15	Structural ironwork, not made in steel works or rolling mills.	15	309	17	16	34	5	237	Oc 261	Ja 206	259	255	1	3	.....	552,955
16	Tinware, not elsewhere specified	4	92	3	5	3	1	80	Ja 91	Ap 60	82	73	9	.....	.....	78,599
17	Tobacco manufactures	256	1,907	272	18	37	10	1,570	Oc 1,609	Ja 1,546	1,596	1,276	300	16	4	2,227,361
18	Tools, not elsewhere specified	43	2,851	21	70	132	68	2,560	Mh 2,708	No 2,395	2,509	2,292	203	12	2	5,346,345
19	Toys and games	14	605	7	23	23	25	527	Oc 751	Ja 360	575	355	177	18	25	753,306
20	Typewriters and supplies	7	5,423	.....	71	527	163	4,662	Mh 5,145	Oc 4,117	4,212	3,521	621	50	20	11,286,082
21	Varnishes	4	43	2	9	11	2	19	(4) 19	(4) 19	19	19	.....	.....	.....	200,843
22	Vinegar and cider	45	74	49	1	.....	.....	24	No 88	Fe[3] 3	83	82	.....	1	.....	125,125
23	Wirework, including wire rope and cable.	20	730	14	22	24	24	646	Mn 689	Jy 610	643	446	143	45	9	1,510,274
24	Wood, turned and carved	27	191	33	6	1	.....	151	Mh 161	De 140	151	138	3	10	.....	303,534
25	Wooden goods, not elsewhere specified	7	31	8	.....	.....	2	21	Ja 24	Jy[3] 19	21	18	3	.....	.....	36,878
26	Wool shoddy	6	148	5	5	2	1	135	Fe[3] 152	No 106	152	142	9	.....	1	410,067
27	Woolen and worsted goods	49	7,451	20	137	122	39	7,133	My 7,572	Ja 6,599	7,310	5,120	1,974	119	97	17,041,395
28	All other industries *	317	31,312	203	762	1,994	727	27,626	.....	.....	.....	.....	.....	.....	.....	72,652,771

* All other industries embrace—

Aeroplanes and parts	1
Agricultural implements	4
Artificial limbs	1
Artists' materials	1
Babbitt and white metal	2
Bags, paper, not including bags made in paper mills	1
Baskets, and rattan and willow ware	3
Bells	3
Belting, leather	3
Belting and hose, rubber	1
Blacking, stains, and dressings	2
Bluing	1
Boot and shoe findings	1
Boots and shoes, rubber	5
Boxes, cigar	3
Boxes, wooden packing	13
Brick, building and fire	34
Canned vegetables	6
Carpets and rugs, other than rag	3
Carriages and sleds, children's	1
Cars and general shop construction and repairs by steam-railroad companies	8
Cash registers and calculating machines	4
Chemicals	2
Chocolate and cocoa products	1
Cleansing and polishing preparations	17
Combs and hairpins not made from metal or rubber	1
Cooperage, hogsheads and barrels	3
Cordials and flavoring sirups	1
Cotton lace	3
Cotton small wares	3
Crucibles	1
Dental goods	2
Druggists' preparations	2
Dyestuffs and extracts	1
Emery and other abrasive wheels	2
Enameling	2
Engravers' materials	1
Engraving, steel and copper plate, including plate printing	5
Fireworks	2
Flavoring extracts	7
Foundry supplies	2
Furs, dressed	1
Galvanizing	1
Gas and electric fixtures	7
Gas meters and water meters	1
Gloves and mittens, leather	2
Glucose and starch	3
Glue, not elsewhere specified	1
Gold, leaf and foil	2
Gold and silver, reducing and refining, not from the ore	3
Hair work	1
Hones and whetstones	1
Horseshoes, not made in steel works or rolling mills	1
Ink, writing	2

	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	BRIDGEPORT—All industries	495	34,588	209	808	2,548	921	30,042	Ap 31,022	Au 28,926	30,899	21,700	8,545	311	343	$81,482,899
2	Bread and other bakery products	54	383	58	9	18	9	289	No 300	Fe 275	298	266	30	2	.....	337,212
3	Carriages and wagons and materials	5	83	4	4	3	1	71	Ap 79	De[3] 66	68	68	.....	.....	.....	185,218
4	Confectionery, ice cream	6	42	9	4	5	3	21	Jy 34	Mh 11	20	18	2	.....	.....	129,261
5	Copper, tin and sheet-iron work	7	88	5	9	4	5	65	Jy 73	No 58	70	70	.....	.....	.....	232,401
6	Corsets	8	4,708	1	40	185	107	4,435	Je 4,733	No 3,894	4,552	611	3,796	12	133	5,389,757
7	Electrical machinery, apparatus, and supplies.	7	1,916	.....	25	148	62	1,681	Mh 1,900	Se 1,560	1,710	1,024	608	26	52	4,386,879
8	Electroplating	5	101	5	8	2	5	81	Ja 93	My 71	73	69	2	2	.....	103,540
9	Engines, steam, gas, and water	6	314	1	16	26	13	258	Ja 285	De 225	229	226	.....	3	.....	1,025,850
10	Food preparations, not elsewhere specified.	5	12	6	.....	.....	.....	6	Je[3] 7	Ja[3] 4	7	7	.....	.....	.....	6,991
11	*Foundry* and machine-shop products	33	1,569	13	89	87	38	1,342	My 1,417	No 1,251	1,357	1,343	6	8	.....	4,505,540
12	Hardware	8	899	2	26	32	25	814	Ja 871	Jy 756	806	705	59	37	5	1,388,760
13	Liquors, malt	3	87	1	8	9	1	68	Ja[3] 70	De[3] 67	68	67	1	.....	.....	786,314
14	Lumber and timber products	8	291	7	12	21	5	246	Au 277	De 217	217	216	.....	1	.....	404,689
15	*Marble and stone work*	4	39	4	2	3	2	28	Oc 39	Mh 20	36	36	.....	.....	.....	55,993
16	Mineral and soda waters	10	25	13	.....	.....	.....	12	Au[3] 15	De[3] 10	14	14	.....	.....	.....	22,925
17	Models and patterns, not including paper patterns.	6	43	6	2	1	.....	34	Mh 43	De 28	34	28	5	1	.....	21,556
18	*Printing and publishing*	41	388	34	30	76	33	215	Se 223	No[3] 210	220	194	21	4	1	773,460
19	Rubber goods, not elsewhere specified	5	678	.....	21	64	28	505	My 631	De 458	508	378	174	5	11	618,110

[1] *Owned power only.*

[2] *Includes rented power, other than electric.*

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal-revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$58,791	$30,054	$404,936	$18,985	$4,700	$4,423	$1,055,788	$12,269	$2,144,356	$1,076,299	408	300	.....	.....	108	108	1
644,198	961,539	5,606,338	702,973	106,953	157,880	18,086,763	319,489	30,591,825	12,185,573	11,160	8,134	.....	1,081	1,945	4,606	2
636,570	961,991	5,517,641	701,739	103,683	156,735	18,078,429	306,618	30,449,704	12,064,657	10,403	7,519	.....	949	1,935	4,586	3
7,628	2,548	88,697	1,234	3,270	1,145	8,334	12,871	142,121	120,916	757	615	.....	132	10	20	4
63,831	218,578	671,748	.....	.....	21,242	1,680,708	27,610	3,296,024	1,587,706	1,991	1,748	20	205	18	743	5
19,760	53,087	281,324	.....	3,091	15,583	4,522,322	32,890	5,216,272	661,060	596	388	35	.....	173	302	6
63,482	111,450	131,306	.....	2,400	11,574	758,711	12,152	1,672,123	901,260	636	569	.....	40	27	442	7
160,995	117,540	899,173	200	11,540	29,815	1,205,271	71,508	2,902,305	1,625,526	2,362	1,420	50	85	807	287	8
6,375	18,993	10,790	.....	997	169	23,817	844	65,171	40,510	38	20	8	.....	10	.....	9
2,500	.....	16,578	1,200	1,020	131	6,995	372	33,300	25,933	10	.....	.....	.....	10	.....	10
196,673	502,559	1,921,778	.....	102,449	85,650	2,532,723	173,118	6,454,482	3,748,641	5,297	4,047	.....	.....	1,250	2,502	11
4,991	1,974	11,220	.....	240	388	10,227	737	34,893	23,929	31	.....	.....	.....	31	.....	12
11,900	2,556	60,166	.....	7,555	314	22,388	2,649	134,229	109,192	97	47	17	.....	33	56	13
10,494	6,300	47,574	2,000	2,100	1,903	32,600	2,929	133,347	97,818	44	.....	.....	.....	44	.....	14
20,275	50,500	140,909	2,336	3,207	2,144	496,520	9,963	823,418	316,935	340	150	66	.....	124	100	15
7,740	2,250	46,185	.....	176	625	51,017	2,471	137,738	84,250	32	20	10	2	.....	.....	16
40,669	58,541	1,068,406	15,409	41,127	227,460	1,206,431	8,728	3,149,301	1,934,142	203	45	11	60	87	.....	17
193,974	244,490	1,468,599	6,394	48,146	84,830	1,333,633	97,133	4,184,535	2,753,769	5,066	3,827	133	443	663	1,909	18
50,468	27,033	228,644	3,608	901	4,567	369,727	10,554	1,039,705	659,424	276	75	25	80	96	60	19
245,369	585,801	2,801,680	.....	46,200	39,732	1,400,638	60,577	7,178,293	5,717,078	3,676	2,865	.....	.....	811	1,575	20
27,500	20,628	16,622	.....	180	1,859	88,173	1,837	215,316	125,306	45	40	.....	.....	5	.....	21
105	.....	10,825	.....	.....	625	41,767	1,599	95,517	52,151	603	306	131	165	1	.....	22
57,164	49,584	350,062	116	6,090	10,267	640,692	21,957	1,329,713	667,064	644	240	66	99	239	265	23
4,454	676	76,221	.....	1,427	2,881	107,474	5,603	246,194	133,117	980	311	132	454	83	.....	24
.....	1,052	10,446	.....	1,264	104	14,766	594	43,967	28,607	106	8	33	29	36	.....	25
6,420	2,074	66,495	700	1,020	2,004	215,283	12,784	341,189	113,122	1,491	716	.....	715	60	.....	26
434,017	169,864	3,637,959	68,273	52,831	88,389	10,063,057	340,241	16,577,549	6,174,251	17,642	10,406	50	6,423	763	2,419	27
2,130,072	2,811,029	15,697,863	8,817	148,328	482,410	37,463,153	1,356,708	75,531,611	36,711,750	60,997	50,415	1,608	3,897	5,077	15,833	28

Instruments, professional and scientific 6
Iron and steel, blast furnaces 1
Iron and steel, steel works and rolling mills 4
Iron and steel, nails and spikes, cut and wrought, including wire nails 3
Ivory, shell, and bone work 2
Jewelry and instrument cases 1
Lapidary work 1
Lead, bar, pipe, and sheet 1
Linen goods 1
Lithographing 2
Mirrors, framed and unframed 1
Motorcycles, bicycles, and parts 2
Mucilage and paste 2
Nets and seines 2
Oil, essential 6
Optical goods 4
Ordnance and accessories 1
Pens, fountain and stylographic 1
Perfumery and cosmetics 4
Phonographs and graphophones 2
Photographic apparatus, cameras 1
Pottery 3
Printing and publishing, music 1
Pulp, from fiber other than wood 1
Pulp goods 1
Pumps, not including power pumps 1
Pumps, steam and other power 3
Regalia and society badges and emblems 2
Roofing materials, metal shingles, and ceilings 1
Saddlery and harness 7
Sand and emery paper and cloth 1
Saws 4
Scales and balances 1
Sewing machines and attachments 5
Show cases 1
Signs and advertising novelties 1
Smelting and refining, not from the ore 3
Sporting and athletic goods 3
Springs, steel and automobile 2
Steam packing 1
Stoves, gas and oil 2
Sulphuric, nitric, and mixed acids 2
Surgical appliances 7
Tin foil 1
Trunks and valises 2
Umbrellas and canes 4
Upholstering materials, not elsewhere specified 2
Vault lights and ventilators 1
Wall paper, not made in paper mills 1
Wall plaster 2
Waste, cotton 1
Watch and clock materials 5
Watches 1
Window and door screens 3
Window shades and fixtures 2
Wire 6

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

$2,719,868	$3,565,162	$16,929,064	$214,481	$328,872	$671,364	$43,439,662	$1,292,085	$85,126,193	$40,394,446	51,556	42,383	921	5	8,247	18,043	1
16,072	17,597	226,733	100	16,353	4,004	642,070	19,645	1,149,416	487,701	166	7	5	2	152	.....	2
9,421	4,580	45,978	1,241	4,209	3,058	48,423	2,483	149,196	98,290	141	110	.....	.....	31	3	3
4,700	3,312	16,180	.....	1,980	1,146	101,013	2,153	161,032	57,866	175	.....	3	.....	172	.....	4
19,500	5,557	56,915	.....	2,000	1,350	92,578	940	235,005	141,487	69	.....	.....	.....	69	.....	5
303,969	411,938	1,639,333	.....	11,580	44,314	4,590,143	25,631	7,639,753	3,023,979	2,156	2,040	.....	.....	116	944	6
108,569	233,860	807,697	.....	6,999	29,406	2,175,497	40,698	4,284,412	2,068,217	1,782	1,240	.....	.....	542	378	7
54,781	3,016	45,402	.....	2,646	741	52,145	6,335	190,693	132,213	135	20	.....	.....	115	.....	8
41,705	36,152	173,629	516	5,819	6,662	168,007	10,733	503,503	324,763	467	275	192	.....	.....	83	9
.....	.....	2,172	.....	610	26	17,431	799	29,325	11,104	25	15	.....	.....	10	.....	10
207,189	140,388	827,638	7,934	24,961	32,077	1,146,111	82,518	2,799,297	1,570,668	2,948	2,378	146	.....	424	2,136	11
84,487	65,358	462,497	5,376	8,628	6,412	602,933	20,891	1,513,613	889,789	883	460	7	.....	416	.....	12
33,520	15,743	60,689	49,774	.....	94,642	254,398	17,875	678,481	405,208	794	794	.....	.....	.....	107	13
21,880	19,674	183,663	.....	10,544	1,546	417,540	6,704	781,836	357,622	1,080	1,043	.....	.....	37	75	14
3,000	2,481	26,696	.....	1,770	248	34,381	1,663	88,884	52,840	159	80	78	.....	1	.....	15
.....	.....	7,853	.....	500	331	18,583	827	48,850	29,440	39	32	3	.....	4	.....	16
2,750	156	22,973	317	2,260	182	12,672	711	80,732	67,349	32	.....	.....	.....	32	.....	17
63,263	114,579	173,575	3,308	15,765	4,844	178,910	9,377	739,063	550,776	310	.....	17	.....	293	15	18
57,713	65,563	295,253	.....	8,285	5,017	739,331	27,414	1,640,896	874,151	911	410	.....	.....	501	.....	19

[2] Same number reported for one or more other months.

[1] Same number reported throughout the year.

TABLE 36.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	BRIDGEPORT—Continued.															
1	Stamped and enameled ware, not elsewhere specified.	6	372	.....	17	17	16	322	Ap 367	De 281	281	193	81	6	1	$488,006
2	Suspenders, garters, and elastic woven goods.	4	232	2	12	2	4	212	Se 242	De 172	172	44	125	.....	3	388,590
3	Tobacco, cigars	19	70	22	3	2	.....	43	No 57	Ja 30	47	41	4	1	1	54,449
4	All other industries*	155	22,158	76	471	1,843	564	19,234	.....	.....	20,052	16,082	3,631	203	136	60,066,968

* All other industries embrace—
Ammunition, cartridges 1
Artificial stone products 2
Automobile bodies and parts 3
Automobiles 2
Automobile repairing 1
Awnings, tents, and sails 2
Babbitt metal 1
Belting, leather 1
Boxes and cartons, paper 4
Brass, bronze, and copper products 9
Buttons 1
Carpets and rugs, other than rag 1
Carpets, rag 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 1
Cleansing and polishing preparations 3
Clothing, men's, youths', and boys' 2
Clothing, women's 3
Coffee, roasting and grinding 1
Coffins, burial cases, and undertakers' goods 1
Confectionery 2
Cotton lace 1
Crucibles 1
Cutlery and edge tools 3
Druggists' preparations 1
Enameling 1
Fancy articles, metal novelties 1
Fertilizers 1
Flavoring extracts 1
Flour-mill and gristmill products 1
Fur goods 1
Furniture, wood, and store and office fixtures 2
Gas and electric fixtures 1
Gas, illuminating and heating 1
Gas machines 1
Glass, cutting, staining, and ornamenting 1
Gold and silver, reducing and refining, not from the ore 1
Grease and tallow, not including lubricating greases 1
Hair work 1
Hats and caps, other than felt, straw, and wool 1
Hats, fur-felt 1
Hosiery and knit goods 1
Ice, manufactured 1

1	**HARTFORD**—All industries	380	20,075	304	501	1,566	567	17,137	Ap 18,001	Se 15,860	17,985	15,071	2,720	102	92	$53,824,608
2	Brass and bronze products	6	190	5	2	1	4	88	My 101	Oc 67	97	95	2	.....	.....	229,288
3	Bread and other bakery products	42	368	41	8	6	13	300	Je 306	Ap 293	305	257	43	.....	5	388,285
4	Carriages and wagons	9	115	10	4	1	.....	100	Je [3] 113	Ja 88	101	101	.....	.....	.....	193,584
5	Clothing, women's, including contract work.	5	373	7	4	6	3	353	Mh 410	Jy 170	407	138	268	.....	1	197,212
6	Copper, tin, and sheet-iron work	12	87	11	2	.....	4	70	Se 83	Fe 54	70	69	1	.....	.....	111,367
7	Electrical machinery, apparatus, and supplies.	9	1,521	1	40	101	69	1,310	Ja 1,412	Oc 1,236	1,315	728	543	13	31	2,934,218
8	Foundry and machine-shop products	35	2,303	14	66	158	54	2,011	De 2,497	Jy 1,790	2,503	2,501	2	.....	.....	9,247,610
9	Liquors, malt	4	221	1	13	25	.....	182	Se 189	Ap 177	182	182	.....	.....	.....	1,830,927
10	Lumber, planing-mill products, not including planing mills connected with sawmills.	11	224	8	13	6	6	191	Oc [3] 203	Mh 176	192	191	1	.....	.....	427,723
11	Marble and stone work	7	53	9	2	2	1	39	Jy 55	De 21	38	38	.....	.....	.....	63,335
12	Mineral and soda waters	9	42	14	.....	2	.....	26	Jy [3] 30	Ja [3] 23	26	24	1	1	.....	76,244
13	Models and patterns, not including paper patterns.	5	56	4	2	.....	.....	50	De 61	Oc 39	61	61	.....	.....	.....	36,288
14	Printing and publishing, book and job.	43	792	42	36	27	32	655	.....	.....	659	489	167	3	.....	1,011,001
15	Job work only	40	752	39	31	24	26	632	My 648	Au 614	644	477	164	3	.....	917,836
16	Book publishing and printing	3	40	3	5	3	6	23	Je 37	Mh [3] 15	15	12	3	.....	.....	93,165
17	Printing and publishing, newspapers and periodicals.	13	361	9	17	114	25	196	.....	.....	201	187	4	10	.....	818,287
18	Printing and publishing	5	354	4	16	114	25	195	No 202	Mh [3] 186	200	186	4	10	.....	813,262
19	Publishing without printing	8	7	5	1	.....	.....	1	(4) 1	(4) 1	1	1	.....	.....	.....	5,025
20	Tobacco, cigars, and cigarettes	27	321	33	3	5	.....	280	Se [3] 297	Mh 254	299	227	72	.....	.....	747,649
21	Tools, not elsewhere specified	4	10	1	3	.....	2	4	De [3] 6	Je [3] 3	6	6	.....	.....	.....	24,023
22	All other industries*	139	13,128	94	286	1,112	354	11,282	.....	.....	11,523	9,777	1,616	75	55	35,487,567

* All other industries embrace—
Artificial limbs 1
Artificial stone products 1
Automobile bodies and parts 4
Automobiles 1
Belting, leather 1
Bookbinding and blank-book making 5
Boots and shoes 2
Boxes, cigar 1
Boxes and cartons, paper 3
Boxes, wooden packing 2
Brick 4
Brooms, from broom corn 1
Brushes 3
Carpets, rag 1
Cars, and general shop construction and repairs by electric-railroad companies 1
Cars, and general shop construction and repairs by steam-railroad companies 1
Cleansing and polishing preparations 2
Clothing, men's and youths' 1
Coffee, roasting and grinding 4
Coffins, burial cases, and undertakers' goods 1
Confectionery and ice cream 3
Cooperage, hogsheads and barrels 1
Dental goods 1
Electroplating 2
Engines, steam, gas, and water 2
Engraving, steel and copper plate, including plate printing 2
Engraving, wood 2
Envelopes 1
Fertilizers 1
Firearms 1
Flavoring extracts 1
Flour-mill and gristmill products 1
Food preparations, not elsewhere specified 3
Fur goods 3
Furniture, wood, and store and office fixtures 2
Furs, dressed 1
Gas, illuminating and heating 1
Glass, cutting, staining, ornamenting 2
Gold, leaf and foil 2
Hand stamps 1
Hardware 1
Hats and caps, other than felt, straw, and wool 1

[1] Owned power only.

Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.										POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal-revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$37,869	$25,953	$149,918	$200	$6,240	$5,117	$245,802	$14,913	$527,627	$266,912	531	275	.....	.....	256	4	1
23,400	9,251	99,585	65	960	8,865	315,717	2,985	427,111	108,409	93	64	6	.....	23	2	2
2,516	300	27,394	126	3,134	8,938	29,530	138	87,355	57,687	.....	.....	.....	.....	.....	.....	3
1,623,564	2,389,704	11,577,291	145,524	193,569	412,438	31,556,447	996,661	61,370,083	28,816,975	38,660	33,140	464	3	5,053	14,296	4

Iron and steel, steel works and rolling mills..... 2
Iron and steel, bolts, buts, washers, and rivets..... 1
Iron and steel forgings, not made in steel works or rolling mills..... 5
Jewelry..... 1
Jewelry and instrument cases..... 1
Lamps..... 3
Leather goods, not elsewhere specified 1
Leather, tanned, curried, and finished 1
Mattresses and spring beds..... 3
Millinery and lace goods..... 4
Ordnance and accessories..... 1
Paints..... 2
Paper and wood pulp..... 1
Paper goods, not elsewhere specified. 1
Patent medicines and compounds.... 4
Paving materials..... 1
Phonographs and graphophones..... 1
Photo-engraving..... 2
Pickles and preserves..... 1
Plated ware..... 6
Printing materials..... 1
Saddlery and harness..... 1
Sausage..... 2
Screws, machine..... 1
Screws, wood..... 1
Sewing machines..... 2
Shipbuilding, iron and steel..... 1
Shirts..... 2
Show cases..... 1
Silk goods, finished products..... 1
Silversmithing and silverware..... 1
Soap..... 1
Springs, steel, car and carriage..... 1
Steam fittings and steam and hot-water heating apparatus..... 5
Stencils and brands..... 1
Stereotyping and electrotyping..... 2
Stoves and hot-air furnaces..... 1
Structural ironwork, not made in steel works or rolling mills..... 3
Tools, not elsewhere specified..... 4
Toys and games..... 2
Typewriters and typewriter ribbons. 3
Umbrellas and canes..... 2
Varnishes..... 2
Wall plaster..... 1
Wirework, including wire rope and cable..... 2
Wood, turned and carved..... 1

$1,491,102	$1,863,436	$11,312,065	$57,284	$271,541	$643,047	$16,803,693	$840,162	$42,831,350	$25,187,495	22,390	10,456	212	.....	11,722	3,260	1
4,100	2,844	59,394	.....	828	884	99,361	8,804	237,507	129,342	113	.....	.....	.....	113	.....	2
8,142	12,583	217,937	.....	17,493	3,054	703,640	22,210	1,177,905	452,055	204	.....	.....	.....	204	.....	3
8,280	1,040	73,845	150	1,364	1,867	124,582	2,699	252,605	125,324	66	25	.....	.....	41	.....	4
7,400	6,750	142,201	.....	4,017	1,599	214,111	3,415	476,989	259,403	53	.....	.....	.....	53	.....	5
1,820	2,274	53,473	.....	2,276	649	78,863	1,170	168,265	88,232	20	.....	.....	.....	20	.....	6
161,973	148,006	717,308	6,231	21,100	22,182	951,429	37,547	2,752,250	1,763,274	914	375	.....	.....	539	284	7
235,510	159,653	1,518,955	7,236	30,817	44,151	1,179,889	81,089	4,106,520	2,845,542	2,624	415	25	.....	2,184	340	8
36,878	44,549	190,539	2,248	.....	285,655	577,685	35,947	1,458,887	845,255	963	845	.....	.....	118	30	9
31,463	8,545	146,296	.....	6,385	3,505	262,502	9,842	533,644	261,300	844	395	10	.....	439	.....	10
4,200	3,875	28,716	.....	2,310	485	47,254	1,937	111,787	62,596	165	95	2	.....	68	.....	11
.....	1,560	16,762	.....	1,716	373	32,673	926	88,608	55,009	28	.....	3	.....	25	.....	12
6,300	.....	46,897	.....	2,535	134	10,633	1,673	85,476	73,170	51	.....	.....	.....	51	.....	13
72,880	47,199	394,333	11,551	32,979	8,341	479,605	10,820	1,353,364	862,939	501	80	4	.....	417	.....	14
67,400	42,244	384,441	1,823	31,659	8,081	463,825	10,672	1,283,502	809,005	496	80	4	.....	412	.....	15
5,420	4,955	9,892	9,728	1,320	260	15,780	148	69,862	53,934	5	.....	.....	.....	5	.....	16
41,906	102,001	155,743	13,095	20,194	6,162	179,733	12,432	891,354	699,189	473	.....	50	.....	423	.....	17
41,500	102,001	155,535	4,932	19,294	6,152	179,583	12,392	876,403	684,423	470	.....	50	.....	420	.....	18
406	.....	208	8,163	900	10	150	40	14,951	14,761	3	.....	.....	.....	3	.....	19
2,392	4,700	207,924	.....	7,152	41,107	285,052	719	661,037	375,266	6	.....	.....	.....	6	.....	20
4,100	597	3,405	2,898	955	205	3,653	190	19,066	15,223	6	.....	.....	.....	6	.....	21
863,758	1,317,260	7,338,337	13,875	119,420	222,694	11,573,028	608,742	28,456,086	16,274,316	15,359	8,225	118	.....	7,015	2,606	22

Horseshoes..... 1
Hosiery and knit goods..... 3
Ink, writing..... 2
Instruments, professional and scientific..... 1
Iron and steel forgings, not made in steel works or rolling mills..... 2
Iron and steel, cut nails, not made in steel works or rolling mills..... 1
Jewelry..... 2
Lead, bar, pipe, and sheet..... 1
Leather goods, not elsewhere specified 1
Lithographing..... 1
Looking-glass and picture frames.... 3
Mattresses and spring beds..... 2
Millinery, trimming hats, and hat frames..... 1
Mucilage, and paste..... 1
Musical instruments and materials, not specified..... 1
Musical instruments, organs..... 1
Optical goods..... 2
Paper and wood pulp..... 1
Patent medicines and compounds.... 4
Photo-engraving..... 3
Pickles and sauces..... 1
Plated ware..... 1
Plumbers' supplies, not elsewhere specified..... 2
Pottery..... 2
Pumps, steam..... 1
Rubber goods, not elsewhere specified 1
Saddlery and harness..... 2
Sausage..... 1
Screws, machine..... 1
Screws, wood..... 1
Sewing machines..... 1
Statuary and art goods..... 1
Steam fittings and steam and hot-water heating apparatus..... 2
Stencils and brands..... 1
Stereotyping and electrotyping..... 1
Structural ironwork, not made in steel works or rolling mills..... 2
Surgical appliances..... 1
Typewriters..... 2
Window and door screens..... 3
Wirework, barbed wire..... 1
Wood, turned and carved..... 1
Wooden goods, not elsewhere specified 1

[3] Same number reported for one or more other months.

[4] Same number reported throughout the year.

TABLE 36.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	**NEW BRITAIN**—All industries	120	15,884	88	261	752	463	14,320	Fe 14,947	De 13,541	14,636	11,718	2,866	32	20	$34,229,594
2	Bread and other bakery products	18	142	19	1	1	7	114	Mh 121	No 104	114	108	6	.....	.....	190,946
3	Carriages and wagons	5	27	5	.....	1	1	20	Je 23	De [2] 18	20	20	.....	.....	.....	56,917
4	Confectionery and ice cream	5	14	7	.....	.....	1	6	Au [2] 7	My [3] 5	8	8	.....	.....	.....	7,625
5	Copper, tin, and sheet-iron work	4	16	4	.....	.....	1	11	De 16	Mh 8	12	12	.....	.....	.....	8,796
6	Foundry and machine-shop products	9	1,290	1	47	53	41	1,148	Ja 1,248	De 1,076	1,160	1,142	17	.....	1	3,643,402
7	Hardware	6	6,090	2	88	383	198	5,419	My 5,541	Oc 5,204	5,465	4,504	958	3	.....	13,364,899
8	Mineral and soda waters	5	10	6	.....	.....	.....	4	Au [3] 8	De [3] 2	4	4	.....	.....	.....	12,850
9	Printing and publishing, book and job	7	51	7	5	1	3	35	Ap 41	Se [3] 32	35	25	8	2	.....	59,373
10	Tobacco, cigars	10	76	10	1	.....	.....	65	Je [3] 68	No 62	66	49	14	1	2	40,310
11	All other industries *	51	8,168	27	119	313	211	7,498	.....	.....	7,752	5,846	1,863	26	17	16,844,476

* All other industries embrace—
Awnings, tents, and sails 1
Bookbinding and blank-book making 1
Boxes and cartons, paper 3
Brass and bronze products 3
Brick 2
Brooms, from broom corn 1
Brushes 1
Cars, and general shop construction, and repairs by electric-railroad companies 1
Cutlery and edge tools 2
Electrical machinery, apparatus, and supplies 1
Electroplating 1
Flour-mill and gristmill products 2
Fur goods 1
Furniture, metal 1
Gas, illuminating and heating 1
Hand stamps 1
Hardware, saddlery 1
Hosiery and knit goods 1
Jewelry 1
Liquors, malt 1

1	**NEW HAVEN**—All industries	538	29,263	428	954	1,831	1,057	24,993	No 25,644	Au 24,225	25,991	19,398	6,018	241	334	$65,746,024
2	Automobiles, including bodies and parts.	13	505	4	29	19	19	494	Au 619	De 378	380	373	7	.....	.....	1,563,158
3	Bread, and other bakery products	67	524	67	18	38	27	374	Au 389	Fe 359	387	321	56	1	9	718,908
4	Carriages and wagons	5	57	4	5	.....	2	46	Jy [2] 51	Oc 35	46	46	.....	.....	.....	76,370
5	Clothing, men's, including shirts	8	79	12	.....	3	1	63	De [3] 71	Ja [3] 32	73	30	43	.....	.....	47,761
6	Confectionery, ice cream	7	145	7	17	9	15	97	Je 121	Ja 78	87	86	1	.....	.....	377,624
7	Copper, tin, and sheet-iron work	8	97	8	6	1	5	77	Au 92	De [3] 68	66	65	1	.....	.....	102,298
8	Food preparations, not elsewhere specified.	6	106	4	7	5	8	82	Au 86	De [3] 79	80	32	47	1	.....	121,182
9	Foundry and machine-shop products	27	749	16	47	34	15	637	.....	.....	637	636	.....	1	.....	1,587,773
10	Foundries	3	265	1	8	4	.....	252	Se [3] 268	No 222	252	252	.....	.....	.....	227,711
11	Boiler and machine shops	24	484	15	39	30	15	385	Fe 438	No 295	385	384	.....	1	.....	1,360,062
12	Furniture	8	223	6	17	5	3	192	Ja [3] 202	Au 183	194	191	3	.....	.....	113,412
13	Hats and caps other than felt, straw, and wool.	6	100	10	3	7	4	76	Mh 80	Jy [3] 68	79	59	20	.....	.....	93,457
14	Jewelry	6	13	5	1	.....	.....	7	(4) 7	(4) 7	7	6	.....	1	.....	27,945
15	Liquors, malt	4	153	2	11	17	.....	123	Jy 126	No 118	126	126	.....	.....	.....	1,955,693
16	Lumber and timber products	16	229	9	14	3	7	187	Oc 203	Ja 165	187	185	1	.....	1	605,887
17	Marble and stone work	10	46	17	3	.....	1	25	My 35	Ja 15	24	24	.....	.....	.....	78,946
18	Mattresses and spring beds	4	33	5	2	.....	1	25	Au [3] 28	Fe [3] 20	24	20	4	.....	.....	63,740
19	Mineral and soda waters	12	49	16	.....	1	1	31	Jy 37	No [3] 29	29	29	.....	.....	.....	75,715
20	Printing and publishing, book and job	36	541	25	31	69	54	362	My 384	Au 340	368	281	74	12	1	982,687
21	Printing and publishing, newspapers and periodicals.	31	346	13	31	146	38	118	.....	.....	118	116	2	.....	.....	515,914
22	Printing, publishing, and job printing.	9	286	4	12	130	22	118	De 121	Au [3] 117	118	116	2	.....	.....	489,981
23	Publishing without printing	22	60	9	19	16	16	.....	.....	.....	.....	.....	.....	.....	.....	25,933
24	Structural ironwork, not made in steel works or rolling mills.	5	49	7	3	2	.....	37	Oc 45	My 28	38	38	.....	.....	.....	45,350
25	Tobacco manufactures	45	833	51	12	17	6	747	Oc 766	Je [3] 726	747	577	167	2	1	907,201
26	Tools, not elsewhere specified	6	498	1	17	17	9	364	Ap 373	Jy [3] 356	364	354	8	1	1	817,624
27	All other industries *	208	23,927	139	680	1,438	841	20,829	.....	.....	21,930	15,803	5,584	222	321	54,867,379

*All other industries embrace—
Ammunition 1
Artificial stone products 4
Automobile repairing 6
Awnings, tents, and sails 3
Baskets, and rattan and willow ware 1
Bookbinding and blank-book making 3
Boots and shoes, rubber 1
Boxes, cigar 1
Boxes and cartons, paper 5
Brass and bronze products 4
Brick and tile, fire brick and stove lining 2
Brushes 2
Buttons 1
Canned vegetables 1
Carriages and sleds, children's 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 2
Cash registers and calculating machines 4
Cheese 1
Cleansing and polishing preparations 4
Clocks 1
Clothing, women's 2
Coffee, roasting and grinding 2
Confectionery 6
Corsets 9
Dental goods 1
Dyeing and finishing textiles 3
Electroplating 3
Engraving and diesinking 2
Engraving, steel and copper plate, including plate printing 2
Envelopes 1
Fancy articles, paper novelties 1
Fertilizers 1
Files 1
Firearms 2
Flavoring extracts 1
Flour-mill and gristmill products 1
Fur goods 2
Galvanizing 1
Gas, illuminating and heating 2
Glass, cutting, staining, and ornamenting 2
Glucose and starch 2
Hand stamps 1
Hardware 7
Hardware, saddlery 2
Hats, fur-felt 2
Hosiery and knit goods 3
Ice, manufactured 2
Iron and steel, bolts, nuts, and rivets 2
Iron and steel forgings, not made in steel works or rolling mills 4

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal-revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$739,052	$1,258,909	$7,354,781	$13,414	$33,558	$383,814	$7,767,392	$617,250	$23,227,004	$14,842,362	17,137	15,823	76	.....	1,238	6,366	1
632	2,928	77,657	.....	5,848	1,146	209,640	7,722	367,242	149,880	73	.....	.....	.....	73	.....	2
.....	1,431	15,854	275	312	381	22,624	599	49,568	26,345	12	.....	.....	.....	12	.....	3
.....	500	3,133	100	1,276	66	11,202	392	21,907	10,313	14	.....	.....	.....	14	.....	4
.....	103	6,900	.....	1,131	20	9,780	40	23,264	13,444	2	.....	.....	.....	2	.....	5
118,020	72,239	821,640	9,519	8,311	25,636	408,342	70,518	1,868,323	1,389,433	1,331	988	.....	.....	343	477	6
201,822	611,710	2,826,785	.....	930	123,712	2,898,032	186,841	8,938,293	5,913,417	5,929	5,914	.....	.....	15	3,195	7
.....	.....	2,550	.....	276	135	4,655	211	12,793	7,927	10	.....	.....	.....	10	.....	8
6,500	5,304	20,183	520	3,240	260	19,498	639	63,151	43,014	30	.....	.....	.....	30	.....	9
1,100	.....	37,970	.....	1,410	8,612	47,844	140	107,062	61,078	1	.....	.....	.....	1	.....	10
410,978	563,794	3,542,109	3,000	10,850	225,026	4,197,775	350,115	11,775,401	7,227,511	9,735	8,921	76	.....	738	2,694	11

Lumber, planing-mill products, not including planing mills connected with sawmills 2
Marble and stone work 2
Mattresses and spring beds 1
Models and patterns, not including paper patterns 1
Needles, pins, and hooks and eyes 1
Plumbers' supplies, not elsewhere specified 3
Printing and publishing, newspapers and periodicals 4
Pumps, not including power pumps 1
Screws, wood 1
Shirts 1
Silversmithing and silverware 1
Stamped ware, not elsewhere specified 1
Steam fittings and steam and hot-water heating apparatus, all other 1
Suspenders, garters, and elastic woven goods 1
Tools, carpenters' not elsewhere specified 1
Vault lights and ventilators 1
Wood, turned and carved 1

$2,114,420	$2,586,514	$14,462,065	$294,782	$241,782	$703,463	$26,605,082	$1,281,737	$57,751,729	$30,434,910	38,180	28,651	4,090	425	5,014	14,770	1
89,415	46,373	379,351	.....	11,377	10,335	591,460	29,287	1,378,504	766,757	944	609	170	.....	165	285	2
34,296	41,577	232,502	156	20,070	5,839	837,103	28,774	1,526,129	660,252	317	60	2	.....	255	.....	3
5,830	1,352	32,793	2,806	1,146	624	38,585	1,391	97,084	57,108	32	.....	.....	.....	32	.....	4
.....	3,250	28,197	4,000	2,820	188	63,724	979	109,882	47,179	19	.....	4	.....	15	.....	5
27,009	12,334	71,812	.....	4,890	2,972	114,463	13,300	351,951	224,188	307	115	.....	.....	192	.....	6
10,920	2,297	38,543	667	3,060	521	66,134	939	142,403	75,330	22	.....	.....	.....	22	.....	7
8,300	9,513	28,148	.....	1,960	843	156,021	5,187	319,928	158,710	112	12	.....	.....	100	.....	8
36,224	25,499	420,123	21,790	14,386	13,605	498,755	40,771	1,256,846	717,320	1,335	910	50	.....	375	63	9
17,880	3,630	159,559	155	.....	2,402	100,390	15,895	338,565	222,280	165	165	.....	.....	.....	20	10
68,344	31,869	260,564	21,635	14,386	11,203	398,365	24,876	918,281	495,040	1,170	745	50	.....	375	43	11
23,267	6,358	35,004	1,000	3,660	571	88,824	4,192	208,729	115,713	333	125	14	.....	194	.....	12
4,952	13,874	47,380	.....	4,612	420	165,427	1,199	247,777	141,151	15	.....	.....	.....	15	.....	13
1,820	.....	6,407	.....	1,746	23	12,070	207	31,110	18,833	7	.....	.....	.....	7	.....	14
36,439	25,844	122,343	.....	.....	223,316	317,885	24,135	1,302,761	960,741	640	555	.....	.....	55	90	15
22,652	6,289	127,609	238	12,139	5,054	398,093	5,200	635,352	232,059	853	725	92	.....	36	.....	16
4,810	624	23,614	2,980	830	678	17,669	1,861	67,832	48,302	79	.....	49	.....	30	.....	17
2,364	400	16,284	.....	1,686	137	65,212	1,005	104,500	38,283	37	.....	.....	.....	37	.....	18
.....	1,200	18,950	.....	1,068	703	34,668	1,628	73,449	37,153	28	.....	8	.....	20	.....	19
59,333	75,565	227,508	124,629	17,479	7,753	291,897	10,728	849,751	637,126	276	.....	.....	.....	276	.....	20
53,865	117,343	112,797	70,838	12,355	1,650	202,845	8,869	815,686	603,972	308	145	.....	.....	163	30	21
31,044	100,240	112,797	4,768	10,258	1,532	193,188	8,853	644,324	442,283	308	145	.....	.....	163	30	22
22,821	17,103	.....	66,070	2,097	118	9,657	16	171,362	161,689	.....	.....	.....	.....	.....	.....	23
1,600	3,292	26,470	.....	1,042	368	68,238	1,042	113,482	44,202	49	.....	16	.....	33	.....	24
14,878	36,203	524,086	3,600	12,264	110,075	565,381	3,112	1,433,438	864,945	26	.....	1	.....	25	.....	25
47,450	30,419	240,990	485	4,655	4,844	126,960	13,532	549,233	408,741	497	.....	10	.....	487	.....	26
1,578,996	2,116,998	11,700,474	61,534	108,504	372,944	21,465,658	1,093,399	46,135,902	23,576,845	31,944	25,365	3,674	425	2,480	14,302	27

Lamps, automobile 2
Leather, tanned, curried, and finished 1
Lithographing 1
Looking-glass and picture frames 1
Minerals and earths, ground 1
Mirrors, framed and unframed 1
Models and patterns, not including paper patterns 2
Mucilage and paste 1
Musical instruments, violins and other stringed instruments 1
Musical instruments, pianos 1
Paper and wood pulp 2
Paper goods, not elsewhere specified 2
Patent medicines and compounds 9
Paving materials 1
Perfumery and cosmetics 2
Photo-engraving 1
Pickles and sauces 4
Plated ware, knives, forks, spoons 1
Plumbers' supplies, not elsewhere specified 1
Printing and publishing, music 1
Regalia and society badges and emblems 2
Rubber goods, not elsewhere specified 3
Sand and emery paper and cloth 1
Sausage 3
Saws 1
Scales and balances 1
Screws, machine 4
Sewing machines and attachments 2
Shipbuilding, small boats and repair work 3
Signs and advertising novelties 1
Silk goods, finished products 1
Slaughtering and meat packing 2
Smelting and refining, not from the ore 2
Soap 1
Springs, steel, automobile 1
Stamped ware, not elsewhere specified 1
Stationery goods, not elsewhere specified 1
Statuary and art goods 3
Steam fittings and steam and hot-water heating apparatus 3
Stereotyping and electrotyping 3
Surgical appliances 1
Tinware, not elsewhere specified 1
Toys and games 2
Trunks and valises 1
Wall plaster 1
Window shades and fixtures 1
Wire 1
Wirework 3
Wood, turned and carved 2
Wooden goods, not elsewhere specified 1

[3] Same number reported for one or more other months.

[4] Same number reported throughout the year.

TABLE 36.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of— Maximum month.	Number, 15th day of— Minimum month.		Male.	Female.	Male	Female	
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	WATERBURY—All industries	190	21,904	119	357	858	381	20,189	Ap 20,855	Au 19,612	20,309	15,309	4,729	158	113	$50,288,118
2	Brass, bronze, and copper products	16	10,658	1	119	422	106	10,010	Ap 10,359	No 9,733	10,149	8,606	1,484	35	24	28,125,784
3	Bread, and other bakery products	27	164	31	3	4	5	121	Jy [3] 129	Fe 113	121	112	4	5	.....	172,688
4	Confectionery and ice cream	8	27	7	2	.....	1	17	Au [3] 20	Ap [3] 16	18	14	4	.....	.....	23,683
5	Copper, tin, and sheet-iron products	6	878	.....	21	19	17	821	Ja 874	Se 781	796	448	348	.....	.....	1,867,137
6	Foundry and machine-shop products	23	2,050	3	73	73	44	1,857	Ja 2,103	Au 1,653	1,865	1,694	157	10	4	4,023,585
7	Mineral and soda waters	7	46	8	3	9	1	25	Se 39	De [3] 13	25	25	.....	.....	.....	73,316
8	Printing and publishing	17	241	12	13	27	16	173	Je [3] 176	No [3] 170	174	150	21	3	.....	377,763
9	Tobacco, cigars	15	62	16	1	2	.....	43	De 45	Ja [3] 42	45	42	1	2	.....	40,466
10	All other industries *	71	7,778	41	122	302	191	7,122	.....	.....	7,116	4,218	2,710	103	85	15,583,696

* All other industries embrace—

Automobile bodies and parts	2
Awnings, tents, and sails	2
Bluing	1
Boot and shoe findings	1
Boxes and cartons, paper	2
Buttons	3
Carriages and wagons	3
Cars and general shop construction and repairs by electric-railroad companies	1
Cars and general shop construction and repairs by steam-railroad companies	1
Cleansing and polishing preparations	1
Cheese	1
Clocks	1
Electrical machinery, apparatus, and supplies	2
Electroplating	2
Enameling	1
Engraving and diesinking	1
Flour-mill and gristmill products	1
Food preparations, not elsewhere specified	1
Fur goods	2
Gas, illuminating and heating	1
Grease and tallow, not including lubricating greases	1
Hosiery and knit goods	1

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1	ANSONIA	42	4,882	34	81	376	79	4,312	Mh 4,551	De 4,035	4,045	3,553	440	22	30	$12,168,132
2	BRISTOL	90	4,632	68	112	192	80	4,180	Mh 4,377	Au 3,959	4,069	3,223	778	26	42	11,908,966
3	DANBURY	126	5,948	103	136	313	92	5,304	Mh 5,687	My 4,903	5,414	3,795	1,558	36	25	7,699,724
4	MERIDEN	127	9,332	87	278	526	275	8,166	Mh 8,598	Jy 7,484	8,084	6,382	1,572	67	63	19,757,384
5	MIDDLETOWN	72	2,707	56	65	144	53	2,389	Ap 2,523	De 2,299	2,354	1,667	653	16	18	5,981,933
6	NAUGATUCK	28	3,759	15	60	121	24	3,539	My 3,903	Au 1,569	3,744	2,255	1,455	12	22	7,950,450
7	NEW LONDON	80	2,445	64	74	96	57	2,154	Mh 2,327	No 1,835	1,959	1,273	677	6	3	6,645,734
8	NORWALK	107	5,477	92	136	183	103	4,963	Mh 5,088	Jy 4,782	5,012	2,949	1,887	79	97	7,869,519
9	NORWICH	105	4,460	80	94	146	66	4,074	Mh 4,146	Ja 3,841	4,078	3,042	926	47	63	10,548,697
10	STAMFORD	83	6,856	59	173	736	165	5,723	Mh 6,326	De 5,106	5,216	4,498	635	60	23	16,893,862
11	TORRINGTON	54	5,429	57	89	214	95	4,974	Fe 5,248	Se 4,751	5,113	4,312	660	69	72	16,363,311
12	WILLIMANTIC	51	3,845	45	62	136	95	3,507	Ja 3,777	No 3,180	3,401	1,787	1,518	36	60	12,005,290

[1] Owned power only.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.										POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal-revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$1,077,688	$1,365,876	$11,502,804	$35,059	$133,094	$470,2[illegible]9	$30,319,816	$1,297,898	$50,659,162	$19,041,448	46,714	29,347	3,101	1,025	13,241	21,665	1
402,195	664,333	5,818,431	125	21,554	175,485	23,285,880	952,434	32,624,187	8,385,873	33,637	20,377	3,000	630	9,630	16,472	2
2,500	4,506	91,732	485	8,752	1,570	311,755	12,864	558,857	234,238	74	.....	.....	.....	74	.....	3
2,340	565	9,960	500	8,193	207	49,561	536	103,541	53,444	34	.....	6	.....	28	.....	4
61,132	32,774	357,980	.....	6,000	13,203	466,144	20,162	1,184,209	697,903	855	375	15	.....	465	15	5
201,154	126,318	1,161,052	33	18,923	28,182	1,279,765	56,923	3,382,471	2,045,783	4,265	2,701	9	215	1,340	1,977	6
2,720	3,700	11,155	.....	1,680	956	39,135	1,815	81,849	40,899	37	.....	.....	10	27	.....	7
26,343	39,998	148,133	12,826	10,340	3,209	108,104	6,946	426,149	311,099	233	80	18	.....	135	50	8
1,040	880	27,911	.....	3,116	5,591	30,495	373	84,057	53,189	.....	.....	.....	.....	.....	.....	9
378,264	492,802	3,876,450	21,090	54,536	241,836	4,748,977	245,845	12,213,842	7,219,020	7,579	5,814	53	170	1,542	3,151	10

Instruments, professional and scientific..... 2
Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills..... 2
Iron and steel forgings, not made in steel works and rolling mills..... 2
Jewelry..... 3
Lamps..... 1
Liquors, malt..... 2
Lumber, planing-mill products, not including planing mills connected with sawmills..... 4
Marble and stone work..... 3
Mattresses and spring beds..... 1
Models and patterns, not including paper patterns..... 2
Needles, pins, and hooks and eyes..... 2
Patent medicines and compounds..... 1
Sausage..... 3
Silversmithing and silverware..... 1
Slaughtering and meat packing..... 2
Sulphuric, nitric, and mixed acids..... 1
Suspenders, garters, and elastic woven goods..... 1
Tools, not elsewhere specified..... 1
Upholstering materials, not elsewhere specified..... 1
Watches..... 1
Wirework..... 3

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

$297,423	$489,436	$2,412,166	$1,176	$8,024	$122,412	$16,756,144	$455,413	$21,499,441	$4,287,884	14,494	11,825	1,284	1,059	326	4,585	1
297,413	262,315	2,375,259	4,832	8,481	109,892	3,697,323	209,153	7,898,287	3,991,811	7,131	4,620	1,753	307	451	3,786	2
272,205	306,507	2,967,149	1,459	44,009	49,971	5,578,191	235,450	10,601,841	4,788,200	6,802	4,947	32	130	1,693	796	3
609,097	915,614	4,696,173	20,702	39,341	209,574	6,787,266	248,135	16,745,924	9,710,523	8,045	5,101	224	543	2,177	1,591	4
194,358	163,713	1,221,651	2,687	18,408	34,891	3,121,326	136,576	5,642,667	2,384,765	4,569	2,668	53	398	1,450	507	5
143,722	135,509	2,017,474	3,274	16,539	71,336	4,758,769	192,527	9,574,602	4,623,306	7,510	6,941	8	430	131	2,629	6
154,660	109,196	1,085,212	134,630	32,555	28,531	2,740,544	90,367	4,940,004	2,109,093	3,799	2,077	29	25	1,668	182	7
316,106	302,332	2,458,855	1,988	55,860	34,282	4,102,010	217,289	9,009,401	4,690,102	4,705	3,273	48	326	1,058	701	8
232,181	206,029	2,154,306	113,823	41,226	76,563	4,179,516	325,982	8,470,767	3,965,269	13,537	8,410	193	3,970	964	1,435	9
496,678	864,931	3,202,325	18,194	52,213	88,782	6,121,610	251,934	12,963,860	6,590,316	7,677	6,362	214	.....	1,101	2,236	10
268,144	327,142	2,648,735	1,725	117,394	94,128	8,823,625	340,981	14,314,822	5,150,216	8,445	6,519	115	110	1,701	1,420	11
159,524	239,391	1,538,327	78,772	14,730	92,813	4,470,681	114,409	9,564,200	4,979,110	9,946	7,065	5	2,780	96	1,191	12

[1] Includes rented power, other than electric.

[2] Same number reported for one or more other months.

DELAWARE.

By C. E. Kinney.

GENERAL STATISTICS.

General character of the state.—Delaware is one of the original thirteen states. Its gross area is 2,370 square miles, of which 1,965 represent land surface. The inhabitants of the state in 1900 numbered 184,735, and in 1910, 202,322, and its estimated population in 1914 was 209,817. In area and in population Delaware ranked forty-seventh among the states in 1910, and in density of population it ranked tenth, with 103 inhabitants per square mile.

The urban population in 1910—that is, the population residing in cities and other incorporated places having 2,500 inhabitants or more, was 97,085, or 48 per cent of the total, as against 46.4 per cent in 1900. In 1914 there was one city estimated to have more than 10,000 inhabitants, namely, Wilmington. This city, whose estimated population in 1914 was 92,057, formed 43.9 per cent of the estimated total population of Delaware and reported 70.3 per cent of the state's manufactured products.

The steam-railway mileage in 1914, as reported by the Interstate Commerce Commission, was 335, and the electric-railway mileage in 1912 (the latest year for which figures are available) was 86. The Delaware River and the Atlantic Ocean, forming the eastern boundary of the state, afford excellent shipping facilities. In addition, the canal connections with Chesapeake Bay are an important factor in the transportation system of the state.

The total value of farm crops grown in 1909 was $9,121,809, of which more than one-half, $4,692,329, represented cereals.

Importance and growth of manufactures.—Measured by the value of its manufactured products, Delaware ranked forty-second among the states in 1914 as compared with forty-first in 1909. In both years the state held thirty-eighth place in the average number of wage earners employed. The manufactures of the state represented about the same proportion of the total value of the production of the United States at the last three censuses, two-tenths of 1 per cent in 1914, and three-tenths of 1 per cent both in 1909 and 1904.

Table 1 summarizes the more important data relative to all classes of manufactures combined, in the state of Delaware, for the censuses of 1914, 1909, 1904, and 1899, and gives percentages of increase from census to census.

Table 1

	MANUFACTURING INDUSTRIES.				PER CENT OF INCREASE.[1]		
	1914	1909	1904	1899	1909–1914	1904–1909	1899–1904
Number of establishments	808	726	631	633	11.3	15.1	−0.3
Persons engaged	25,533	23,984	20,567	(2)	6.5	16.6	.....
Proprietors and firm members	735	722	641	(2)	1.8	12.6	.....
Salaried employees	2,643	2,024	1,451	1,189	30.6	39.5	22.0
Wage earners (average number)	22,155	21,238	18,475	20,562	4.3	15.0	−10.1
Primary horsepower	64,403	52,779	49,490	40,134	22.0	6.6	23.3
Capital	$69,323,927	$60,905,671	$50,925,630	$38,791,402	13.8	19.6	31.3
Salaries and wages	14,781,728	12,617,925	9,787,454	9,793,966	17.1	28.9	−0.1
Salaries	3,399,568	2,322,329	1,629,251	1,336,963	46.4	42.5	21.9
Wages	11,382,160	10,295,596	8,158,203	8,457,003	10.6	26.2	−3.5
Paid for contract work	113,869	95,087	128,256	(2)	19.8	−25.9	.....
Rent and taxes (including internal revenue)	702,252	438,203	[3] 207,486	(2)	60.3	.....	.....
Cost of materials	31,649,265	30,937,801	24,883,806	24,725,317	2.3	24.3	0.6
Value of products	56,034,966	52,839,619	41,160,276	41,321,061	6.0	28.4	−0.4
Value added by manufacture (value of products less cost of materials)	24,385,701	21,901,818	16,276,470	16,595,744	11.3	34.6	−1.9

[1] A minus sign (−) denotes decrease. [2] Figures not available. [3] Exclusive of internal revenue.

The figures in the preceding table show that there was a general increase in the manufactures of the state from 1909 to 1914, but that the period of greatest development was from 1904 to 1909. The total number of establishments reported at the census of 1914 represented an increase of 82, or 11.3 per cent, over 1909, due chiefly to the increase in the canning and preserving and in the foundry and machine-shop industries. During the same period, salaried employees and wage earners increased 6.6 per cent, and salaries and wages 17.1 per cent, while the value of products advanced $3,195,347, or 6 per cent. The value added by manufacture, which is the best measure of the net wealth created by manufacturing operations, shows a decrease of 1.9 per cent from 1899 to 1904, but for the other two five-year periods 1904–1909 and 1909–1914 this item increased 34.6 per cent and 11.3 per cent, respectively.

Table 2 shows the relative importance of the leading manufacturing industries in 1914, and gives the percentages of increase for the three five-year periods from 1899 to 1914.

Table 2

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904
All industries	808	22,155	100.0	$56,034,966	100.0	$24,385,701	100.0	4.3	15.0	−10.1	6.0	28.4	−0.4	11.3	34.6	−1.9
Leather, tanned, curried, and finished	20	2,382	10.7	9,183,205	16.4	2,709,151	11.1	−21.8	7.4	15.4	−24.0	17.8	9.0	−31.1	68.0	−1.4
Foundry and machine-shop products	51	2,522	11.4	6,120,441	10.9	2,978,518	12.2	14.1	−5.1	−5.8	28.0	6.6	−7.9	25.2	6.3	3.7
Cars, steam-railroad, not including operations of railroad companies	3	2,110	9.5	4,944,309	8.8	2,161,459	8.9	25.7	7.7	−23.3	36.3	0.8	9.9	26.0	3.4	18.5
Cars and general shop construction and repairs by steam-railroad companies	3	2,059	9.3	3,551,424	6.3	1,787,516	7.3	35.0	13.7	52.4	9.2	108.7	53.8	36.6	43.9	64.7
Canning and preserving	100	1,831	8.3	3,361,008	6.0	1,003,304	4.1	33.7	.....	.....	59.6	.....	.....	81.6	.....	.....
Paper and wood pulp	7	591	2.7	2,483,785	4.4	730,636	3.0	8.2	−0.2	21.3	8.4	20.3	19.1	3.7	11.0	11.0
Pulp goods	8	892	4.0	2,144,603	3.8	1,117,039	4.6	148.5	.....	.....	107.8	.....	.....	147.7	.....	.....
Slaughtering and meat packing	19	125	0.6	1,710,741	3.1	211,717	0.8	.....	.....	.....	26.5	.....	.....	50.4	.....	.....
Iron and steel, steel works and rolling mills	5	818	3.7	1,669,004	3.0	736,900	3.0	15.2	32.7	−29.2	−2.7	7.4	−49.5	12.3	−0.2	−56.9
Flour-mill and gristmill products	60	127	0.6	1,483,410	2.6	280,810	1.2	−8.6	1.5	14.2	−15.3	14.0	43.6	11.5	13.5	32.1
Tobacco, cigars and snuff	18	525	2.4	1,390,924	2.5	844,045	3.5	114.3	.....	.....	32.6	.....	.....	191.0	.....	.....
Liquors, malt	3	118	0.5	975,346	1.7	713,992	2.9	10.3	2.9	.....	23.3	4.1	23.4	29.8	−5.7	18.3
Bread and other bakery products	67	257	1.2	953,938	1.7	332,413	1.4	13.7	15.9	4.3	27.2	14.0	35.7	10.3	22.3	11.8
Lumber and timber products	102	786	3.5	828,760	1.5	483,809	2.0	−33.0	79.2	−29.9	−36.8	53.1	14.4	−31.3	55.8	10.0
Printing and publishing	54	360	1.6	675,553	1.2	464,089	1.9	28.8	.....	.....	42.8	.....	.....	37.8	.....	.....
Oil, not elsewhere specified	5	138	0.6	602,823	1.1	265,252	1.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gas, illuminating and heating	8	125	0.6	570,426	1.0	365,416	1.5	−2.3	.....	.....	56.8	19.3	52.5	43.4	36.4	25.5
Fertilizers	9	64	0.3	519,036	0.9	128,299	0.5	−52.2	−10.1	0.7	−40.7	131.7	−49.8	−68.5	388.2	−306.1
Hosiery and knit goods	3	496	2.2	505,668	0.9	191,994	0.8	0.8	52.3	−44.5	12.6	51.7	−31.0	15.0	26.5	−40.0
Furnishing goods, men's	5	234	1.1	324,067	0.6	114,338	0.5	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baskets, and rattan and willow ware	6	347	1.6	294,658	0.5	163,117	0.7	−17.4	57.3	140.5	.....	34.1	323.1	−12.0	52.5	248.6
Ice, manufactured	18	151	0.7	293,660	0.5	235,054	1.0	.....	.....	.....	91.8	7.7	100.0	126.8	−10.3	103.5
Butter	10	45	0.2	242,096	0.4	59,168	0.2	.....	.....	.....	−8.3	.....	.....	11.3	.....	.....
All other industries	224	5,052	22.8	11,215,083	20.0	6,307,665	25.9	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 23; a minus sign (−) denotes decrease; percentages are omitted where base is less than 100; or where comparable figures can not be given.

Separate statistics are presented for 23 industries, or industry groups, for which products valued at more than $200,000 were reported in 1914. These industries include 2 with products exceeding $5,000,000 in value, 9 with products between $1,000,000 and $5,000,000, and 12 with products valued at less than $1,000,000. Among those included under the head "all other industries," which have products in excess of some of those shown in the table, but for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments, are the following: Belting and hose, rubber; dental goods; dyeing and finishing textiles; explosives; jute goods; paints; shipbuilding, iron and steel; silk goods; stamped and enameled ware; sulphuric, nitric, and mixed acids; and wall paper. The dyeing and finishing of textiles is the most important of these industries.

The industries in the table are arranged in the order of their importance as shown by value of products, but the arrangement would vary considerably from that given if based on average number of wage earners, or value added by manufacture. Leather, tanned, curried, and finished ranked first in value of products but second in number of wage earners and in value added by manufacture. Foundries and machine shops, second in value of products, ranked first in number of wage earners and in value added by manufacture. The construction of steam-railroad cars and the steam-railroad repair shops held the same relative rank in average number of wage earners, value of products, and value added by manufacture. Canning and preserving, fifth in average number of wage earners and value of products, was sixth in value added by manufacture. Paper and wood pulp, sixth in value of products, was ninth in number of wage earners and value added by manufacture.

In rank, according to value of products, there were a number of changes in 1914 as compared with 1909. Of the more important industries shown in the table, the tanning and finishing of leather, foundries and machine shops, the construction of cars for steam-railroad use, and steam-railroad repair shops held the same rank in value of products at both censuses. Canning and preserving and paper and pulp mills reversed the order of their importance, while flour mills and gristmills, which held eighth place in 1909, dropped to tenth place in 1914. For the remainder of the industries there were slight changes from the earlier census to the later.

Leather, tanned, curried, and finished.—Establishments engaged primarily in the manufacture of leather, as well as those treating hides and skins for others, are included in this classification. Measured by value of products this is the most important industry in Delaware. The value of the leather tanned and finished in 1914 represented 16.4 per cent of the total manufactures of the state. During the five-year period 1909–1914 the number of establishments engaged in the industry increased by 4, but there was a decrease of 24 per cent in the total value of products

of 21.8 per cent in the average number of wage earners, and of 31.1 per cent in the value added by manufacture. The industry is centralized in Wilmington, where 18 of the 20 tanneries reported for the state are located.

Foundry and machine-shop products.—This industry includes, for purposes of comparison with prior censuses, establishments engaged in automobile repairing and in the manufacture of structural ironwork; plumbers' supplies; steam fittings and heating apparatus; steam, gas, and water engines; and hardware. The combined industry ranks first in number of wage earners, employing 11.4 per cent of the total wage earners in all industries of the state. During the five-year period 1909–1914 there was a much larger increase in all items than in the period 1904–1909. The average number of wage earners increased 14.1 per cent from 1909 to 1914, while from 1904 to 1909 there was a decrease of 5.1 per cent; the value of products increased 28 per cent from 1909 to 1914 as against 6.6 per cent from 1904 to 1909; and the value added by manufacture increased 25.2 per cent from 1909 to 1914 as against 6.3 per cent from 1904 to 1909.

Cars, steam-railroad, not including operations of railroad companies and *Cars and general shop construction and repairs by steam-railroad companies.*—These two branches of industry are closely allied. Combined, they gave employment to an average of 4,169 wage earners during 1914, or an increase of 30.1 per cent; their value of products amounted to $8,495,733, or 23.5 per cent increase; and their value added by manufacture was $3,948,975, or 30.6 per cent increase.

Canning and preserving.—This industry depends entirely upon the agricultural and fishing products for its raw materials. It includes the canning and preserving of fruits, vegetables, and fish, and the manufacture of pickles, preserves, and sauces. Since 1850 the industry has steadily increased in importance until in 1914 it held fifth place among the industries of the state as measured by value of products. From 1909 to 1914 the average number of wage earners increased 33.7 per cent; value of products, 59.6 per cent; and the value added by manufacture, 81.6 per cent.

Paper and wood pulp.—Mills which manufacture paper exclusively, pulp as a final product, or both paper and pulp, are included in this classification. The average number of wage earners employed in the mills shows an increase of 8.2 per cent from 1909 to 1914 as compared with a decrease for the preceding five-year period. The increase in value of products and in value added by manufacture was less for the period 1909 to 1914 than for the preceding five years.

Persons engaged in manufacturing industries.—Table 3 shows for 1914 and 1909 the number of persons engaged in manufactures, distributed by sex, the average number of wage earners being distributed also by age. The sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms."

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.				
		Total.	Male.	Female.	Per cent of total.	
					Male.	Female.
All classes	1914	25,533	20,813	4,720	81.5	18.5
	1909	23,984	19,972	4,012	83.3	16.7
Proprietors and officials	1914	1,533	1,493	40	97.4	2.6
	1909	1,388	1,356	32	97.7	2.3
Proprietors and firm members	1914	735	711	24	96.7	3.3
	1909	722	701	21	97.1	2.9
Salaried officers of corporations	1914	311	300	11	96.5	3.5
	1909	240	235	5	97.9	2.1
Superintendents and managers	1914	487	482	5	99.0	1.0
	1909	426	420	6	98.6	1.4
Clerks and other subordinate salaried employees	1914	1,845	1,399	446	75.8	24.2
	1909	1,358	1,111	247	81.8	18.2
Wage earners (average number)	1914	22,155	17,921	4,234	80.9	19.1
	1909	21,238	17,505	3,733	82.4	17.6
16 years of age and over	1914	21,776	17,744	4,032	81.5	18.5
	1909	20,709	17,205	3,504	83.1	16.9
Under 16 years of age	1914	379	177	202	46.7	53.3
	1909	529	300	229	56.7	43.3

Males largely predominate in all classes of employees, except wage earners under 16 years of age in 1914, but they represent a decreasing proportion of the total number of persons engaged in manufacturing industries in 1914 as compared with 1909. Women constituted 24.2 per cent of the clerks and other subordinate salaried employees in 1914 as against 18.2 per cent in 1909, and their proportion of the total wage earners employed increased from 17.6 per cent in 1909 to 19.1 per cent in 1914. More than one-half of the 379 children employed in the factories of the state in 1914 were females.

Figures for the sex and age distribution of wage earners for individual industries will be found in Table 24.

Table 4 shows, for the several classes of persons engaged in manufactures, the percentage of increase from 1909 to 1914 and the per cent distribution at the two censuses.

The table shows an increase during the five-year period for each of the several classes of employees, except wage earners under 16 years of age. Clerks and other subordinate salaried employees and wage earners over 16 years of age, the two classes in which women represented any considerable proportion, show a much higher rate of increase for females than for males. The largest percentage of increase for both sexes combined, 35.9 per cent, was for clerks and other subordinate salaried employees, but this class represented only 7.2 per cent of the total number of persons

employed in all industries in 1914. Wage earners over 16 years of age represented 85.3 per cent of the total number of persons engaged in manufacturing industries in the state in 1914 and 86.3 per cent in 1909.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.								
	Per cent of increase,[1] 1909-1914.			Per cent distribution.					
				Total.		Male.		Female.	
	Total.	Male.	Female.	1914	1909	1914	1909	1914	1909
All classes	6.5	4.2	17.6	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	10.4	10.1	.....	6.0	5.8	7.2	6.8	0.8	0.8
Proprietors and firm members	1.8	1.4	.....	2.9	3.0	3.4	3.5	0.5	0.5
Salaried officers of corporations	29.6	27.7	.....	1.2	1.0	1.4	1.2	0.2	0.1
Superintendents and managers	14.3	14.8	.....	1.9	1.8	2.3	2.1	0.1	0.1
Clerks and other subordinate salaried employees	35.9	25.9	80.6	7.2	5.7	6.7	5.6	9.4	6.2
Wage earners (average number)	4.3	2.4	13.4	86.8	88.6	86.1	87.6	89.7	93.0
16 years of age and over	5.2	3.1	15.1	85.3	86.3	85.3	86.1	85.4	87.3
Under 16 years of age	−28.4	−41.0	−11.8	1.5	2.2	0.8	1.5	4.3	5.7

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

Table 5 shows, for the three main classes of persons engaged in manufactures, the number in each class and the per cent distribution for 1914, 1909, and 1904, and the percentages of increase for the two five-year periods.

Table 5

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.							
	Number.			Per cent distribution.			Per cent of increase.	
	1914	1909	1904	1914	1909	1904	1909-1914	1904-1909
Total	25,533	23,984	20,567	100.0	100.0	100.0	6.5	16.6
Proprietors and firm members	735	722	641	2.9	3.0	3.1	1.8	12.6
Salaried employees	2,643	2,024	1,451	10.4	8.4	7.1	30.6	39.5
Wage earners (average)	22,155	21,238	18,475	86.8	88.6	89.8	4.3	15.0

Each of the three classes given in this table shows increases for both five-year periods, but the percentages of increase are much greater for the earlier than for the later period.

The average number of wage earners employed, for all industries combined, with the per cent distribution of males and females 16 years of age and over and of children under 16 years of age, is given in Table 6 for 1914, 1909, and 1904. The table also shows, for some of the important industries separately, a similar distribution of wage earners for 1914 and 1909.

The relative number of men, women, and children employed in the manufactures of the state in 1914 varies somewhat from the proportions in 1909 and 1904. The increase at each census in the proportion of women employed as wage earners was accompanied by a corresponding decrease in the proportion of children and a slight fluctuation in the proportion of men.

In the canneries, knitting mills, and tobacco factories, women greatly predominate, and in these industries the number reported in 1914 represents an increased proportion over 1909. The tanning and finishing of leather and printing and publishing are the only other industries furnishing employment to women to any considerable extent. Wage earners under 16 years of age are employed principally in the canning industry and in the manufacture of hosiery and knit goods.

Table 6

INDUSTRY.	Census year.	WAGE EARNERS.			
		Average number.[1]	Per cent of total.		
			16 years of age and over.		Under 16 years of age.
			Male.	Female.	
All industries	1914	22,155	80.1	18.2	1.7
	1909	21,238	81.0	16.5	2.5
	1904	18,475	80.5	16.0	3.5
Baskets, and rattan and willow ware	1914	347	94.8	3.5	1.7
	1909	420	81.2	16.4	2.4
Canning and preserving	1914	1,831	34.5	58.5	6.9
	1909	1,369	32.5	53.3	14.1
Cars and general shop construction and repairs by steam-railroad companies.	1914	2,059	100.0	.....	.....
	1909	1,525	99.8	.....	0.2
Cars, steam-railroad, not including operations of railroad companies.	1914	2,110	98.2	1.7	0.1
	1909	1,679	99.1	0.8	0.1
Flour-mill and gristmill products	1914	127	100.0	.....	.....
	1909	139	99.3	.....	0.7
Foundry and machine-shop products	1914	2,522	98.7	0.5	0.8
	1909	2,210	99.1	0.7	0.2
Hosiery and knit goods	1914	496	12.5	72.2	15.3
	1909	492	16.9	69.5	13.6
Iron and steel, steel works and rolling mills.	1914	818	99.9	.....	0.1
	1909	710	100.0	.....	.....
Leather, tanned, curried, and finished	1914	2,382	72.1	27.5	0.5
	1909	3,045	75.9	23.6	0.5
Lumber and timber products	1914	786	99.0	1.0	.....
	1909	1,174	95.9	3.0	1.1
Paper and wood pulp	1914	591	88.2	11.7	0.2
	1909	546	85.7	14.3	.....
Printing and publishing	1914	360	75.0	22.5	2.5
	1909	288	69.1	24.3	6.6
Pulp goods	1914	892	98.3	1.7	.....
	1909	359	97.5	.....	2.5
Tobacco, cigars and snuff	1914	525	23.0	73.5	3.4
	1909	245	46.5	50.2	3.3
All other industries	1914	6,309	77.3	21.1	1.7
	1909	7,037	78.8	18.6	2.6

[1] For method of estimating the distribution of the average number, by sex and age periods, for all industries combined, see "Explanation of terms."

Wage earners employed, by months.—The following table gives, for all industries combined, the total number of wage earners employed on the 15th of each month, or the nearest representative day, for the years 1914 and 1909, and the average number employed during each month in 1904, together with the percentage which the number reported for each month forms of the greatest number reported for any month:

Table 7

MONTH.	WAGE EARNERS IN MANUFACTURING INDUSTRIES.					
	Number.[1]			Per cent of maximum.		
	1914	1909	1904	1914	1909	1904
January	21,485	19,220	17,175	75.7	72.9	80.3
February	21,304	19,470	17,867	75.1	73.8	83.5
March	21,861	19,168	18,554	77.1	72.7	86.7
April	21,776	19,366	18,826	76.8	73.4	88.0
May	21,908	19,237	18,587	77.2	72.9	86.9
June	22,834	20,480	18,470	80.5	77.6	86.3
July	21,418	19,572	16,833	75.5	74.2	78.7
August	24,134	24,331	19,451	85.1	92.2	90.9
September	28,364	26,376	21,398	100.0	100.0	100.0
October	23,667	23,623	18,861	83.4	89.6	88.1
November	18,922	21,557	17,791	66.7	81.7	83.1
December	18,187	22,452	17,889	64.1	85.1	83.6

[1] The figures for 1914 and 1909 represent the number employed on the 15th of each month, or the nearest representative day; those for 1904, the average number employed during the month.

In each census year shown in the table the maximum number of wage earners for the combined industries of the state appears for September, but the minimum shifts from July in 1904 to March in 1909 and to December in 1914.

The single industry, canning and preserving, which gives employment to a large number of persons in August, September, and October, determines for all industries combined the month of the greatest employment (September), and magnifies the irregularity of employment throughout the year. The greatest difference between the maximum and minimum months in any one of the three census years was 10,177, or 35.9 per cent of the maximum, in 1914.

Table 8 gives the total average number of wage earners employed during 1914, together with the total number employed on the 15th of each month, or the nearest representative day, for the combined industries of the state, for a number of selected industries, and for the total industries in Wilmington, the only city in the state having more than 10,000 inhabitants.

Table 8

WAGE EARNERS: 1914.
[Month of maximum employment for each industry is indicated by **boldface** figures and that of minimum by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	Number employed on 15th day of the month or nearest representative day.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	22,155	21,485	21,304	21,861	21,776	21,908	22,834	21,418	24,134	**28,364**	23,667	18,922	*18,187*	64.1
Baskets, and rattan and willow ware	347	314	301	327	327	370	403	**492**	474	305	*278*	*278*	295	56.5
Canning and preserving	1,831	247	167	170	183	*135*	1,156	338	4,590	**9,080**	4,937	707	262	1.5
Cars and general shop construction and repairs by steam-railroad companies	2,059	**2,145**	2,141	2,126	2,045	2,041	2,025	2,069	2,072	2,001	*1,987*	1,988	2,068	92.6
Cars, steam-railroad, not including operations of railroad companies	2,110	2,763	2,693	**2,951**	2,596	2,585	2,448	2,111	1,522	1,548	1,375	1,403	*1,325*	44.9
Flour-mill and gristmill products	127	126	126	126	125	125	*123*	127	129	130	132	130	125	93.2
Foundry and machine-shop products	2,522	**2,691**	2,652	2,640	2,621	2,544	2,521	2,591	2,594	2,515	2,337	*2,261*	2,297	84.0
Hosiery and knit goods	496	507	489	505	482	503	**523**	509	500	494	489	479	*472*	90.2
Iron and steel, steel works and rolling mills	818	807	803	**858**	850	825	825	820	817	839	808	790	774	90.2
Leather, tanned, curried, and finished	2,382	2,704	2,683	2,627	2,714	**2,717**	2,625	2,559	2,349	2,025	2,008	1,857	*1,716*	63.2
Lumber and timber products	786	947	**1,021**	988	860	723	661	659	647	*636*	659	800	831	62.3
Paper and wood pulp	591	593	582	586	588	*578*	584	580	600	**618**	599	601	583	93.5
Printing and publishing	360	*350*	362	362	355	362	354	353	352	358	364	360	**379**	92.3
Pulp goods	892	947	**965**	**965**	960	952	915	895	856	836	823	*780*	810	80.8
Tobacco, cigars and snuff	525	514	514	495	520	525	503	510	*494*	**596**	556	551	522	82.9
All other industries	6,309	5,830	5,805	6,135	6,550	6,923	**7,168**	6,805	6,138	6,383	6,315	5,928	*5,728*	79.9
WILMINGTON	15,048	16,192	15,985	**16,380**	16,233	16,281	15,964	15,604	14,251	13,979	13,541	13,175	*12,991*	79.3

Of the selected industries, canning and preserving shows the greatest degree of fluctuation, the number of wage earners in May being but 1.5 per cent of the number in September. The small number employed in May is not indicative of the employment of wage earners in this industry, as most of those reported in the winter and spring months are merely caretakers. Using as a basis the three active months in this industry, August, September, and October, the number reported for August, 4,590, the minimum month, formed 50.6 per cent of the number for September, 9,080, the maximum month, and gives a more accurate showing for this industry in respect to monthly employment.

The least fluctuation is shown for paper and pulp mills and flour and grist mills, for which industries the minimum month of employment formed 93.5 per cent and 93.2 per cent, respectively, of the maximum. In addition to these two industries, steam-railroad repair shops, printing and publishing plants, knitting mills, and steel works and rolling mills, furnished fairly regular employment to wage earners. Wilmington

shows a considerable fluctuation in the monthly employment, the minimum month representing 79.3 per cent of the maximum.

Prevailing hours of labor.—In Table 9 the average number of wage earners employed for 1914 and 1909 for all industries combined and for selected industries throughout the state, have been classified according to number of hours of labor per week prevailing in the establishments in which they were employed. A similar classification is given for 1914 only, for all industries combined for Wilmington, the one city having more than 10,000 inhabitants. The number employed in each establishment is classified as a total, though a few employees worked a greater or less number of hours.

Table 9

INDUSTRY AND CITY.	Census year.	AVERAGE NUMBER OF WAGE EARNERS.								
		Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54	Between 54 and 60.	60	Between 60 and 72.	72	Over 72.
All industries	1914	22,155	1,263	2,050	8,444	6,000	4,033	203	131	31
	1909	21,238	960	736	6,905	5,855	5,824	514	371	73
Baskets, and rattan and willow ware	1914	347	5	.....	33	262	47	.....	.....	.....
	1909	420	.....	6	52	281	81	.....	.....	.....
Canning and preserving	1914	1,831	166	91	256	268	1,021	29	.....	.....
	1909	1,369	45	10	12	42	1,097	133	30	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	2,059	38	.....	2,021	.....	.....	.....	.....	.....
	1909	1,525	.....	.....	1,467	.....	39	19	.....	.....
Cars, steam-railroad, not including operations of railroad companies	1914	2,110	.....	.....	2,110	.....	.....	.....	.....	.....
	1909	1,679	.....	.....	1,679	.....	.....	.....	.....	.....
Flour-mill and gristmill products	1914	127	.....	2	.....	4	121	.....	.....	.....
	1909	139	3	.....	4	1	80	11	40	.....
Foundry and machine-shop products	1914	2,522	341	101	1,855	216	6	3	.....	.....
	1909	2,210	186	110	1,146	724	44	.....	.....	.....
Hosiery and knit goods	1914	496	.....	.....	.....	496	.....	.....	.....	.....
	1909	492	.....	.....	.....	492	.....	.....	.....	.....
Iron and steel, steel works and rolling mills	1914	818	337	242	.....	239	.....	.....	.....	.....
	1909	710	290	.....	.....	420	.....	.....	.....	.....
Leather, tanned, curried, and finished	1914	2,382	.....	1,093	36	324	929	.....	.....	.....
	1909	3,045	.....	83	620	250	2,092	.....	.....	.....
Lumber and timber products	1914	786	17	69	64	413	223	.....	.....	.....
	1909	1,174	65	299	63	368	379	.....	.....	.....
Paper and wood pulp	1914	591	.....	.....	.....	3	474	18	96	.....
	1909	546	.....	.....	.....	.....	.....	286	260	.....
Printing and publishing	1914	360	212	87	33	23	5	.....	.....	.....
	1909	288	174	3	79	17	15	.....	.....	.....
Pulp goods	1914	892	.....	.....	299	474	119	.....	.....	.....
	1909	359	.....	.....	162	75	122	.....	.....	.....
Tobacco, cigars and snuff	1914	525	15	107	71	330	2	.....	.....	.....
	1909	245	34	123	.....	19	69	.....	.....	.....
All other industries	1914	6,309	132	258	1,666	2,948	1,086	153	35	31
	1909	7,037	163	102	1,621	3,166	1,806	65	41	73
WILMINGTON	1914	15,048	882	1,445	7,311	3,432	1,855	104	13	6

The figures in this table emphasize the tendency toward a shortening of the working day in the factories of the state. In 1909, 6,782, or not quite one-third of the total average number of wage earners for all industries combined, were employed in establishments operating 60 hours or more per week, while but 4,398, or only about one-fifth, were so employed in 1914. Furthermore, the number of wage earners working less than 60 hours per week increased from 14,456 in 1909 to 17,757 in 1914, or from 68.1 per cent of the total number in the state to 80.1 per cent. There was a marked increase during the five-year period in the proportion of wage earners in each of the three groups of establishments operating from 48 to 54 hours per week.

Among the separate industries, the tanning and finishing of leather shows the most pronounced decrease in hours of labor. In 1914, 47.4 per cent of the wage earners in this industry were employed in establishments where the hours of labor were 54 or fewer per week, as compared with 23.1 per cent in 1909. In the foundries and machine shops, 65.2 per cent of the wage earners in 1909 were employed in establishments where the hours of labor were 54 or fewer per week, but in 1914 the proportion thus employed had increased to 91.1 per cent. Canning and preserving and lumber also show decreased hours of employment.

In Wilmington the total average number of wage earners in 1914 was 15,048, of whom 14,925 were in establishments operating 60 hours or less per week, while only 123 were in establishments in which the hours were more than 60 per week.

Location of establishments.—Table 10 shows, for 1914, 1909, and 1899, the extent to which manufactures in Delaware were centralized in Wilmington.

Table 10	Census year.	Total.	Location of establishments.		Per cent of total.	
			Wilmington.	Outside districts.	Wilmington.	Outside districts.
Population [1]	1914	209,817	92,057	117,760	43.9	56.1
	1910	202,322	87,411	114,911	43.2	56.8
	1900	184,735	76,508	108,227	41.4	58.6
Number of establishments.	1914	808	319	489	39.5	60.5
	1909	726	261	465	36.0	64.0
	1899	633	262	371	41.4	58.6
Average number of wage earners.	1914	22,155	15,048	7,107	67.9	32.1
	1909	21,238	14,653	6,575	69.0	31.0
	1899	20,562	14,498	6,064	70.5	29.5
Value of products	1914	$56,034,966	$39,402,563	$16,632,403	70.3	29.7
	1909	52,839,619	38,069,383	14,770,236	72.0	28.0
	1899	41,321,061	30,586,810	10,734,251	74.0	26.0
Value added by manufacture.	1914	24,385,701	17,262,693	7,123,698	70.8	29.2
	1909	21,901,818	16,093,083	5,808,735	73.5	26.5
	1899	16,595,744	12,710,975	3,884,769	76.6	23.4

[1] Census estimate of population for 1914.

A comparison of the industries of Wilmington, with the districts outside the city, shows a greater relative increase in manufacturing in the outside districts.

In 1914 Wilmington contained 43.9 per cent of the estimated population of the state, but reported only 39.5 per cent of the total number of establishments. The city, however, contributed 70.8 per cent of the total value added by manufacture, 70.3 per cent of the total value of products, and 67.9 per cent of the total average number of wage earners. The corresponding proportions for 1909 were slightly larger. The decrease in the proportions in 1914 is due in part to the fact that there was a decrease in the manufacture of leather, which is largely centralized in Wilmington.

In addition to the manufacture of leather, the principal industries in Wilmington are the construction of cars for steam-railroad companies, steam-railroad repair shops, the dyeing and finishing of textiles, foundries and machine shops, slaughtering and meat packing, paper and pulp mills, and shipbuilding.

Character of ownership.—Table 11 presents statistics concerning character of ownership, or legal organization, of manufacturing enterprises. For all industries combined, comparative figures are given for 1914, 1909, and 1904; for selected industries, statistics for 1914 and 1909 are shown; for Wilmington, the figures are for all industries combined and relate only to 1914. In order to avoid disclosing the operations of individual establishments, it is necessary to omit several important industries from this table.

Table 11	Census year.	Number of establishments owned by—			Average number of wage earners.							Value of products.						
Industry and city.					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1914	439	240	129	22,155	2,274	18,298	1,583	10.3	82.6	7.1	$56,034,966	$5,525,459	$45,743,406	$4,766,101	9.9	81.6	8.5
	1909	387	202	137	21,238	2,451	15,573	3,214	11.5	73.3	15.1	52,839,619	6,187,017	36,071,988	10,580,614	11.7	68.3	20.0
	1904	339	160	132	18,475	2,448	13,444	2,583	13.3	72.8	14.0	41,160,276	5,517,649	28,921,912	6,720,715	13.4	70.3	16.3
Canning and preserving	1914	39	28	33	1,831	392	1,026	413	21.4	56.0	22.6	3,361,008	665,219	1,989,804	705,985	19.8	59.2	21.0
	1909	34	13	30	1,369	473	396	500	34.6	28.9	36.5	2,105,945	794,816	495,030	816,099	37.7	23.5	38.8
Flour-mill and gristmill products.	1914	42	4	14	127	57	41	29	44.9	32.3	22.8	1,483,410	653,125	511,249	319,036	44.0	34.5	21.5
	1909	41	4	20	139	65	40	34	46.8	28.8	24.5	1,751,533	735,176	602,881	413,476	42.0	34.4	23.6
Foundry and machine-shop products.	1914	18	27	6	2,522	39	2,453	30	1.5	97.3	1.2	6,120,441	82,406	5,976,087	61,948	1.3	97.6	1.0
	1909	12	21	4	2,210	65	2,088	57	2.9	94.5	2.6	4,781,195	96,986	4,552,312	131,897	2.0	95.2	2.8
Leather, tanned, curried, and finished.	1914	3	13	4	2,382	201	1,570	611	8.4	65.9	25.7	9,183,205	502,798	5,835,910	2,844,497	5.5	63.5	31.0
	1909	3	9	4	3,045	217	936	1,892	7.1	30.7	62.1	12,079,225	980,432	3,761,123	7,337,670	8.1	31.1	60.7
Lumber and timber products.	1914	72	8	22	786	428	139	219	54.5	17.7	27.9	828,760	420,205	197,500	211,055	50.7	23.8	25.5
	1909	76	10	30	1,174	527	399	248	44.9	34.0	21.1	1,312,287	486,245	547,755	278,287	37.1	41.7	21.2
Printing and publishing	1914	35	16	3	360	122	232	6	33.9	64.4	1.7	675,553	197,271	470,298	7,984	29.2	69.6	1.2
	1909	30	15	3	288	127	160	1	44.1	55.6	0.3	480,464	174,905	295,394	10,165	36.4	61.5	2.1
Wilmington	1914	160	129	30	15,048	911	13,397	740	6.1	89.0	4.9	39,402,563	2,910,264	33,279,093	3,213,206	7.4	84.5	8.2

As shown by Table 11, there was an increase during the decade in the number of establishments throughout the state under both individual and corporate ownership. More than one-half of the 808 establishments operating in 1914 were owned by individuals, but in value of products and average number of wage earners those owned by corporations greatly predominate. Although only 29.7 per cent of the total number of establishments in the state were under corporate ownership, this class reported 81.6 per cent of the total value of products and 82.6 per cent of the total average number of wage earners. The proportions of average number of wage earners and value of products reported by corporations have been greater at each successive census, with the exception of value of products reported for 1909.

The form of ownership prevailing in the different industries varies considerably. In the canning and preserving establishments, in the manufacture of foundry and machine-shop products, in the tanning and finishing of leather, and in printing and publishing plants, corporations reported a majority of the wage

earners and the bulk of manufactures. Lumber mills and flour mills were to a great extent owned by individuals. In the lumber industry, 54.5 per cent of the wage earners and 50.7 per cent of the value of products in 1914 were reported by establishments owned by individuals. The proportions reported by the flour mills were slightly less.

In Wilmington corporations controlled 40.4 per cent of all establishments, employed 89 per cent of the total wage earners, and reported 84.5 per cent of the total value of products.

Size of establishments.—The tendency for manufacturing to become concentrated in large establishments is indicated by the statistics given in Table 12.

Table 12

VALUE OF PRODUCTS.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
All classes	808	726	631	22,155	21,238	18,475	$56,034,966	$52,839,619	$41,160,276	$24,385,701	$21,901,818	$16,276,470
Less than $5,000	251	213	203	462	479	388	610,251	559,530	549,741	367,387	335,302	336,798
$5,000 to $20,000	298	258	222	1,782	1,901	1,695	2,961,338	2,748,180	2,318,183	1,358,353	1,346,466	1,133,879
$20,000 to $100,000	170	170	130	2,910	3,298	2,705	7,000,219	6,981,337	5,313,204	2,545,859	2,674,038	2,281,182
$100,000 to $1,000,000	81	78	67	9,953	8,566	7,546	27,307,250	25,657,769	19,267,544	12,071,786	10,076,057	7,490,829
$1,000,000 and over	8	7	9	7,048	6,994	6,141	18,155,908	16,892,803	13,711,604	8,042,316	7,469,955	5,033,782
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	31.1	29.3	32.2	2.1	2.3	2.1	1.1	1.1	1.3	1.5	1.5	2.1
$5,000 to $20,000	36.9	35.5	35.2	8.0	9.0	9.2	5.3	5.2	5.6	5.6	6.1	7.0
$20,000 to $100,000	21.0	23.4	20.6	13.1	15.5	14.6	12.5	13.2	12.9	10.4	12.2	14.0
$100,000 to $1,000,000	10.0	10.7	10.6	44.9	40.3	40.8	48.7	48.6	46.8	49.5	46.0	46.0
$1,000,000 and over	1.0	1.0	1.4	31.8	32.9	33.2	32.4	32.0	33.3	33.0	34.1	30.9

For 1914, 89 establishments, or 11 per cent of the total number in the state, each reported products exceeding $100,000 in value. These establishments employed 76.7 per cent of the total average number of wage earners for the state, reported 81.1 per cent of the total value of products, and 82.5 per cent of the total value added by manufacture. In the same year the small establishments—those having products less than $5,000 in value—although representing 31.1 per cent of the total, reported only 2.1 per cent of the average number of wage earners, 1.1 per cent of the total value of products, and 1.5 per cent of the value added by manufacture. The comparatively large establishments—those having products valued at $100,000 and over—show an increase at each successive census in each item given in the table with the exception of number of establishments.

Table 13 gives, for 1914 and 1909, for six of the more important industries statistics similar to those presented in Table 12 for all industries combined.

Table 13

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.	
			1914	1909			1914	1909			1914	1909			1914	1909
CANNING AND PRESERVING	100	77	100.0	100.0	1,831	1,369	100.0	100.0	$3,361,008	$2,105,945	100.0	100.0	$1,003,304	$552,449	100.0	100.0
Less than $5,000	8	5	8.0	6.5	10	16	0.5	1.2	15,363	15,350	0.5	0.7	4,495	3,904	0.4	0.7
$5,000 to $20,000	44	28	44.0	36.4	385	309	21.0	22.6	541,957	359,355	16.1	17.1	132,428	85,178	13.2	15.4
$20,000 to $1,000,000[1]	48	44	48.0	57.1	1,436	1,044	78.4	76.3	2,803,688	1,731,240	83.4	82.2	866,381	463,367	86.4	83.9
FLOUR-MILL AND GRISTMILL PRODUCTS	60	65	100.0	100.0	127	139	100.0	100.0	1,483,410	1,751,533	100.0	100.0	280,810	251,894	100.0	100.0
Less than $5,000	10	15	16.7	23.1	4	5	3.1	3.6	29,241	39,308	2.0	2.2	8,255	9,134	2.9	3.6
$5,000 to $20,000	29	23	48.3	35.4	37	30	29.1	21.6	320,256	286,145	21.6	16.3	44,657	51,646	15.9	20.5
$20,000 to $1,000,000[1]	21	27	35.0	41.5	86	104	67.7	74.8	1,133,913	1,426,080	76.4	81.4	227,898	191,114	81.2	75.9
FOUNDRY AND MACHINE-SHOP PRODUCTS	51	37	100.0	100.0	2,522	2,210	100.0	100.0	6,120,441	4,781,195	100.0	100.0	2,978,518	2,379,278	100.0	100.0
Less than $5,000	16	6	31.4	16.2	19	12	0.8	0.5	40,435	16,250	0.7	0.3	30,136	11,895	1.0	0.5
$5,000 to $20,000	13	11	25.5	29.7	51	77	2.0	3.5	108,676	99,253	1.8	2.1	76,686	53,003	2.6	2.2
$20,000 to $100,000	9	5	17.6	13.5	182	85	7.2	3.8	462,230	195,854	7.6	4.1	234,125	143,877	7.9	6.0
$100,000 to $1,000,000	[2] 13	15	25.5	40.5	2,270	2,036	90.0	92.1	5,509,100	4,469,838	90.0	93.5	2,637,571	2,170,503	88.6	91.2
LEATHER, TANNED, CURRIED, AND FINISHED	20	16	100.0	100.0	2,382	3,045	100.0	100.0	9,183,205	12,079,225	100.0	100.0	2,709,151	3,932,375	100.0	100.0
$20,000 to $100,000	[3] 6	4	30.0	25.0	68	104	2.9	3.4	234,912	350,833	2.6	2.9	85,671	89,354	3.2	2.3
$100,000 and over[2]	14	12	70.0	75.0	2,314	2,941	97.1	96.6	8,948,293	11,728,392	97.4	97.1	2,623,480	3,843,021	96.8	97.7
LUMBER AND TIMBER PRODUCTS	102	116	100.0	100.0	786	1,174	100.0	100.0	828,760	1,312,287	100.0	100.0	483,809	704,430	100.0	100.0
Less than $5,000	61	52	59.8	44.8	181	191	23.0	16.3	137,365	130,477	16.6	10.0	95,126	82,924	19.7	11.8
$5,000 to $20,000	29	49	28.4	42.2	284	499	36.1	42.5	265,079	437,752	32.0	33.4	170,530	278,496	35.2	39.5
$20,000 to $100,000	12	[1] 15	11.8	12.9	321	484	40.8	41.2	426,316	744,058	51.4	56.7	218,153	343,010	45.1	48.7
PRINTING AND PUBLISHING	54	48	100.0	100.0	360	288	100.0	100.0	675,553	480,464	100.0	100.0	464,089	342,912	100.0	100.0
Less than $5,000	28	28	51.9	58.3	46	67	12.8	23.3	61,588	79,344	9.1	16.5	46,642	62,456	10.1	18.2
$5,000 to $20,000	18	13	33.3	27.1	90	78	25.0	27.1	162,967	125,994	24.1	26.2	124,179	90,543	26.8	26.4
$20,000 to $100,000	[1] 8	7	14.8	14.6	224	143	62.2	49.7	450,998	275,126	66.8	57.3	293,268	189,913	63.2	55.4

[1] Includes the group "$100,000 to $1,000,000." [2] Includes the group "$1,000,000 and over." [3] Includes the group "$5,000 to $20,000."

The separation of industries into groups can not be made as complete as that given for the state, without disclosing the operations of individual establishments; consequently, the specified industries are not fully comparable for 1914 and 1909.

In the foundry and machine-shop industry in 1914, 90 per cent of the total value of products was reported by establishments having products of $100,000 and over, as compared with 93.5 per cent in 1909, and in the leather industry, 97.4 per cent, as compared with 97.1 per cent in 1909. In the canning, flour-mill and gristmill, lumber, and printing industries, the proportions of the total value of products reported by establishments having products valued at $20,000 and over was 83.4, 76.4, 51.4, and 66.8 per cent, respectively.

Table 14, shows for 1914, for all industries combined, in Wilmington, statistics similar to those given in Table 12, for the state as a whole.

In Wilmington the 60 establishments manufacturing products in excess of $100,000 in value furnished employment to 88.6 per cent of the total wage earners and reported 89.4 per cent of the total value of manufactures.

Table 14

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
Wilmington	319	15,048	100.0	$39,402,563	100.0	$17,262,003	100.0
Less than $5,000	85	111	0.7	216,599	0.5	132,802	0.8
$5,000 to $20,000	104	436	2.9	1,004,397	2.5	564,208	3.3
$20,000 to $100,000	70	1,182	7.9	2,983,122	7.6	1,233,857	7.2
$100,000 to $1,000,000	51	6,615	44.0	18,391,340	46.7	7,737,586	44.8
$1,000,000 and over	9	6,704	44.6	16,807,105	42.7	7,583,550	43.9

Table 15 shows the size of establishments in 1914 as measured by the average number of wage earners employed. The figures given are for all industries combined, for 14 of the more important industries, and for Wilmington, the only city in the state having more than 10,000 inhabitants.

Table 15

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
			No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.		51 to 100 wage earners.		101 to 250 wage earners.		251 to 500 wage earners.		501 to 1,000 wage earners.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	808	22,155	60	424	1,041	175	1,952	68	2,084	31	2,259	37	5,860	7	2,507	3	1,992	3	4,460
Baskets, and rattan and willow ware	6	347		1	5	1	6	2	74	1	75	1	187						
Canning and preserving	100	1,831	2	23	79	51	593	19	563	2	122	3	474						
Cars and general shop construction and repairs by steam-railroad companies	2	2,059				1	17	1	38									1	2,004
Cars, steam-railroad, not including operations of railroad companies	3	2,110												1	406	1	536	1	1,168
Flour-mill and gristmill products	60	127	8	49	84	2	14	1	29										
Foundry and machine-shop products	51	2,522	3	25	63	5	62	7	193	2	158	6	1,023	3	1,023				
Hosiery and knit goods	3	496								1	59	1	145	1	292				
Iron and steel, steel works and rolling mills	5	818								1	55	4	763						
Leather, tanned, curried, and finished	20	2,382		2	9	4	40	2	61	8	608	2	361	1	463	1	840		
Lumber and timber products	102	786	2	61	173	31	392	3	112	2	109								
Paper and wood pulp	7	591		1	3	2	26			1	88	3	474						
Printing and publishing	54	360	10	31	90	7	69	6	201										
Pulp goods	8	892	1							1	65	6	827						
Tobacco, cigars and snuff	18	525	3	10	17			1	23	2	164	2	321						
All other industries	368	6,309	31	221	518	68	733	26	790	10	756	9	1,285	1	323	1	616	1	1,288
WILMINGTON	319	15,048	30	152	407	59	643	30	940	17	1,296	19	3,146	7	2,780	2	1,376	3	4,460

Table 16 presents, for 1914, percentages based on figures in Table 15, and for 1909 similar percentages for all industries combined and for individual industries in the state as a whole.

Of the 808 establishments in operation during 1914, there were 60 which employed no wage earners. These were small establishments in which the work was done by the proprietors or firm members. In some cases they employed a few wage earners for short periods, but the term of employment was so short that in computing the average number, as described in the "Explanation of terms," no wage earners could be shown. The small establishments—those employing from 1 to 5 wage earners—greatly outnumbered all others combined. The 599 establishments which employed from 1 to 20 wage earners represented 74.1 per cent of the number of factories of the state, but they employed only 13.5 per cent of the total wage earners. There were 50 establishments that reported the employment of more than 100 wage earners each, and these establishments gave employment to 14,819, or 66.9 per cent of the total average number of wage earners employed in all establishments. These large establishments are engaged in the manufacture of steam-railroad cars, hosiery and knit goods, iron and steel, leather, tanned, curried, and finished, pulp goods, and in the operations of steam-railroad repair shops, foundries and machine shops, and paper and pulp mills.

In Wilmington 78.2 per cent of the wage earners were reported by establishments employing more than 100 wage earners each, as against 21.8 per cent in the smaller plants.

Table 16

INDUSTRY AND CITY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.							
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
All industries	1914	4.7	8.8	9.4	10.2	26.5	11.3	9.0	20.1
	1909	4.2	10.9	12.1	7.8	23.5	8.6	13.2	19.7
Baskets, and rattan and willow ware.	1914	1.5	1.7	21.3	21.6	53.9	.....	.....	.....
	1909	1.0	14.3	29.5	.....	55.2	.....	.....	.....
Canning and preserving	1914	4.3	32.4	30.7	6.7	25.9	.....	.....	.....
	1909	2.0	45.7	34.1	18.1	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	.....	0.8	1.8	.....	.....	.....	.....	97.3
	1909	.....	1.2	2.6	.....	.....	.....	.....	96.2
Cars, steam-railroad, not including operations of railroad companies.	1914	.....	.....	.....	.....	.....	19.2	25.4	55.4
	1909	.....	.....	.....	.....	8.2	.....	91.8	.....
Flour-mill and gristmill products.	1914	66.1	11.0	22.8	.....	.....	.....	.....	.....
	1909	66.9	10.8	22.3	.....	.....	.....	.....	.....
Foundry and machine-shop products.	1914	2.5	2.4	7.6	6.3	40.6	40.6	.....	.....
	1909	1.3	6.3	6.8	11.8	37.7	36.1	.....	.....
Hosiery and knit goods	1914	.....	.....	.....	11.9	29.2	58.9	.....	.....
	1909	0.4	.....	.....	.....	48.2	51.4	.....	.....
Iron and steel, steel works and rolling mills.	1914	.....	.....	.....	6.7	93.3	.....	.....	.....
	1909	.....	.....	5.6	10.6	83.8	.....	.....	.....
Leather, tanned, curried, and finished.	1914	0.4	1.7	2.6	25.5	15.2	19.4	35.3	.....
	1909	.....	1.3	3.6	8.4	29.7	.....	19.6	37.4
Lumber and timber products	1914	22.0	49.9	14.2	13.9	.....	.....	.....	.....
	1909	15.4	46.9	19.1	5.1	13.5	.....	.....	.....
Paper and wood pulp	1914	0.5	4.4	.....	14.9	80.2	.....	.....	.....
	1909	.....	5.3	.....	16.1	78.6	.....	.....	.....
Printing and publishing	1914	25.0	19.2	55.8	.....	.....	.....	.....	.....
	1909	30.2	34.0	35.8	.....	.....	.....	.....	.....
Pulp goods	1914	.....	.....	.....	7.3	92.7	.....	.....	.....
	1909	.....	.....	20.9	.....	79.1	.....	.....	.....
Tobacco, cigars and snuff	1914	3.2	.....	4.4	31.2	61.1	.....	.....	.....
	1909	11.0	11.4	28.2	49.4	.....	.....	.....	.....
All other industries	1914	8.2	11.6	12.5	12.0	20.4	5.1	9.8	20.4
	1909	6.4	10.2	17.0	8.5	14.9	11.0	9.5	22.5
WILMINGTON	1914	2.7	4.3	6.2	8.6	20.9	18.5	9.1	29.6

Engines and power.—Table 17 shows, for 1914, 1909, and 1904, for all industries combined, the number and total horsepower of engines or motors employed in generating power (including electric motors operated by purchased current). The table also shows separately the number and horsepower of electric motors operated by current generated by the establishments reporting.

Table 17

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total	1,750	1,345	784	64,403	52,779	49,490	100.0	100.0	100.0
Owned	890	906	784	54,619	48,227	48,234	84.8	91.4	97.5
Steam engines and turbines [1]	666	681	598	48,207	42,266	42,542	74.8	80.1	86.0
Internal-combustion engines	117	78	41	1,905	766	412	3.0	1.5	0.8
Water wheels, turbines, and motors	107	147	145	4,507	5,195	5,280	7.0	9.8	10.7
Rented	860	439	.....	9,784	4,552	1,256	15.2	8.6	2.5
Electric	860	439	(2)	9,705	4,502	1,092	15.1	8.5	2.2
Other	.....	.....	.....	79	50	164	0.1	0.1	0.3
Electric	2,373	1,397	333	29,544	17,910	5,764	100.0	100.0	100.0
Rented	860	439	(2)	9,705	4,502	1,092	32.8	25.1	18.9
Generated by establishments reporting	1,513	958	333	19,839	13,408	4,672	67.2	74.9	81.1

[1] Figures for horsepower include for 1909 and 1904 the amounts reported under the head of "other" owned power. [2] Not reported.

This table shows that from 1909 to 1914 there was an increase in primary power, amounting to 11,624 horsepower, or 22 per cent. The use of rented power, now almost wholly electric, has greatly increased since 1904, when 1,256 horsepower of this character, representing 2.5 per cent of the total primary power, was reported. In 1909 the amount of such power had increased to 4,552 horsepower, or 8.6 per cent of the total, and in 1914, to 9,784 horsepower, or 15.2 per cent of the total. The increase in the use of electric motors run by current generated within the same establishments has not kept pace with that in rented power. The power of motors operated by current generated in the same establishments represented 81.1 per cent of the total electric power in 1904, but only 67.2 per cent in 1914

In 1914, as in 1909, owned power formed the major part of the total power reported, but the proportion which this kind of power formed of the total primary power decreased from 91.4 per cent in 1909 to 84.8 per cent in 1914.

The use of internal-combustion engines increased rapidly during the decade. The horsepower of such engines, however, represented only 3 per cent of the total primary power in 1914.

During the last five-year period there was a decrease in the horsepower of water wheels, turbines, and motors, which in 1914 formed 7 per cent of the total primary power.

Fuel.—Closely related to the subject of power employed in manufactures is that of fuel consumed in generating this power or otherwise used in the manufacturing processes.

Table 18 shows, for 1914, the quantity of each kind of fuel used, for which data were obtained, for all industries combined and for certain selected industries in the state as a whole, and for all industries combined in the city of Wilmington.

Table 18 — INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 lbs.).	COAL. Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
All industries	26,731	330,907	14,292	64,951	30,745
Canning and preserving	517	7,382	150	83	150
Cars and general shop construction and repairs by steam-railroad companies	436	22,303	13	2,812	.....
Cars, steam-railroad, not including operation of railroad companies	103	16,449	211	1,627	2,768
Dyeing and finishing textiles	.....	30,297	.....	4,340	13,103
Foundry and machine-shop products	3,877	31,573	5,805	9,104	9,740
Gas, illuminating and heating	8,610	4,442	605	38,758	.....
Ice, manufactured	200	7,230	3,155	3	.....
Iron and steel, steel works and rolling mills	2,734	29,047	3,125	2,941	29
Leather, tanned, curried, and finished	291	25,373	.....	10	933
Paper and wood pulp	890	60,927	.....	69	.....
Pulp goods	31	34,602	.....	50	.....
Shipbuilding	512	7,209	451	3,471	167
All other industries	8,530	54,073	777	1,683	3,855
WILMINGTON	15,161	218,324	11,041	51,125	30,038

SPECIAL STATISTICS.

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantities and cost of materials, the quantities and values of products, and other information for securing which no provision is made on the general schedule. Certain data of this character for three important industries in Delaware are here presented. Statistics for power laundries are also presented.

Canning and preserving.—Table 19 gives the quantity and value of principal products. by classes, for 1914, 1909, and 1904.

Table 19	1914	1909	1904
Total value	$3,361,008	$2,105,945	[1] $1,456,185
Canned vegetables, total:			
Cases	1,889,859	1,585,360	971,403
Value	$2,763,780	$2,049,074	$1,406,102
Corn—			
Cases	215,280	94,697	152,900
Value	$281,758	$138,739	$207,810
Peas—			
Cases	178,810	190,261	131,147
Value	$237,853	$249,357	$178,729
Pumpkins—			
Cases	6,670	3,145	600
Value	$7,626	$4,546	$500
Sweet potatoes—			
Cases	39,093	20,633	5,200
Value	$59,458	$28,675	$7,695
Tomatoes—			
Cases	1,326,275	1,262,635	679,080
Value	$1,965,958	$1,605,069	$1,007,595
All other canned vegetables—			
Cases	123,731	13,989	2,476
Value	$211,127	$22,688	$3,773
All other products, including pickles, preserves, sauces, cured fish, and canned fruits, value	$597,228	$56,871	$50,083

[1] Excludes one establishment, to avoid disclosure of individual operations.

Canning and preserving as a factory industry is of comparatively recent origin, its development in Delaware dating from 1869.

The total value of all products for the industry increased during the decade 1904–1914 by $1,904,823, or 130.8 per cent, and during the five-year period 1909–1914 by $1,255,063, or 59.6 per cent. Of the establishments reported in 1914, 3 were engaged primarily in canning and preserving fish; 94 in canning and preserving fruits and vegetables; and 3 in the manufacture of pickles, preserves, and sauces. The value of vegetables canned in 1914 amounted to $2,763,780, as compared with $2,049,074 in 1909 and $1,406,102 in 1904. Canned corn increased in the five-year period from 94,697 cases, valued at $138,739, in 1909, to 215,280 cases, valued at $281,758, in 1914. Peas decreased in quantity from 190,261 cases in 1909, valued at $249,357, to 178,810 cases in 1914, valued at $237,853. Tomatoes, the principal product of Delaware canners, increased during the five-year period 1909–1914 from 1,262,635 cases, valued at $1,605,069 to 1,326,275 cases, valued at $1,965,958.

Of the establishments included in this classification, tomatoes were packed by 89, peas by 12, and corn by 9.

Flour-mill and gristmill products.—Table 20 gives the quantities and values of flour-mill and gristmill products for the last three census years.

Table 20	1914	1909	1904
Total value	$1,483,410	$1,751,533	$1,536,604
Wheat flour:			
Barrels	157,852	174,224	168,944
Value	$797,625	$1,011,511	$865,794
Buckwheat flour:			
Pounds	408,660	672,675	378,300
Value	$11,969	$19,272	$9,298
Corn meal and corn flour:			
Barrels	67,790	77,399	92,586
Value	$229,967	$239,772	$225,966
Hominy and grits:			
Pounds	1,396,527	1,671,225	3,024,700
Value	$24,792	$30,286	$41,848
Bran and middlings:			
Tons	7,754		
Value	$222,506	15,944	18,748
Feed and offal:		$450,261	$393,598
Tons	5,892		
Value	$184,339		
All other products, value	$12,212	$431	$100

The combined value of wheat flour and bran and middlings constituted 68.8 per cent of the total value of products in 1914, the proportion for wheat flour alone being 53.8 per cent. While wheat flour decreased only 9.4 per cent in quantity from 1909 to

1914, and 21.1 per cent in value in the same period. Corn meal and corn flour showed a slight decrease in quantity and value, and bran and middlings and feed and offal decreased in value 9.6 per cent.

The equipment reported for 1914 consisted of 168 stands of rolls, 91 runs of stone, and 31 attrition mills.

Leather, tanned, curried, and finished.—Table 21 shows, for 1914, 1909, and 1904, the quantities and values of the principal products reported for this industry.

Table 21	1914	1909	1904
Total value	$9,183,205	$12,079,225	$10,250,842
Leather:			
Goat and kid skins—			
Number	6,722,261	11,005,292	10,928,313
Value	$6,840,228	$10,232,463	$9,102,297
Sheep and lamb skins—			
Number	1,063,789	793,508	463,404
Value	$963,458	$675,986	$281,754
All other, value	$463,635	$557,942	$484,785
All other products, value	$642,695	$402,795	$331,638
Work on materials for others, value	$273,189	$210,039	$50,368

The manufacture of leather, though showing a decrease in value of products, as compared with the census of 1909, continues to be the leading industry in the state. Upper leather, made chiefly of goatskins by the chrome process, was the leading product, but fancy, patent, bookbinders', and belting leather was also manufactured to some extent.

There was a decided decrease in number and value of goat and kid skins and a corresponding increase in number and value of sheep and lamb skins tanned in 1914, as compared with 1909 and 1904. The value of "all other leather," principally belting, patent, etc., shows a decrease, and the value of all other products, which includes wool, hair, glue stock, etc., shows an increase since 1904. The amount received for tanning, currying, or finishing for others, which was insignificant in 1904, formed 3 per cent of the total value of products in 1914.

Laundries.—Statistics for power laundries are not included in the general tables or in the totals for all manufacturing industries. Table 22, however, summarizes these statistics for Delaware for 1914 and 1909.

Table 22	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	
Number of establishments	12	15	.....
Persons engaged	369	283	30.4
Proprietors and firm members	16	17	.....
Salaried employees	27	44	.....
Wage earners (average number)	326	222	46.8
Primary horsepower	335	235	42.6
Capital	$253,264	$103,025	145.8
Salaries and wages	118,474	97,776	21.2
Salaries	26,296	25,932	1.4
Wages	92,178	71,844	28.3
Paid for contract work	416	.....	.....
Rent and taxes	5,293	6,659	−20.5
Cost of materials	42,524	29,633	43.5
Amount received for work done	242,897	187,038	29.9

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

In 1914 Delaware ranked forty-seventh among the states in amount received for work done and forty-sixth in number of persons engaged in the industry. A general increase is shown for the various items given in the table. Establishments owned by individuals reported 11.4 per cent of the amount received for work done; and those under corporate and other forms of ownership, which were combined, to avoid disclosure of operations of individual establishments, reported 88.6 per cent.

GENERAL TABLES.

Table 23 gives, for 1914, 1909, and 1904, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products, for selected industries in the state and in Wilmington.

Table 24 presents, for 1914, in the state as a whole and in Wilmington, the only city in the state with 50,000 inhabitants or more, statistics in detail for each industry that can be shown without the disclosure of individual operations.

TABLE 23.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1914	808	22,155	64,403	$11,382	$31,649	$56,035
	1909	726	21,238	52,779	10,296	30,938	52,840
	1904	631	18,475	49,490	8,158	24,884	41,160
Baskets, and rattan and willow ware	1914	6	347	295	94	132	295
	1909	10	420	540	92	109	295
	1904	8	267	455	66	98	220
Bread and other bakery products.	1914	67	257	263	140	622	954
	1909	62	226	130	118	448	750
	1904	52	195	105	97	411	658
Butter	1914	10	45	257	28	183	242
	1909	10	32	204	14	211	264
	1904	11	25	165	12	160	197
Canning and preserving.	1914	[1] 100	1,831	3,003	470	2,358	3,361
	1909	77	1,369	1,725	273	1,553	2,106
	1904	[2] 59	999	1,274	187	1,031	1,456
Cars and general shop construction and repairs by steam-railroad companies.	1914	3	2,059	2,820	1,524	1,764	3,551
	1909	3	1,525	1,835	1,147	1,943	3,251
	1904	5	1,341	1,345	815	649	1,558
Cars, steam-railroad, not including operations of railroad companies.	1914	3	2,110	3,833	1,504	2,783	4,944
	1909	3	1,679	3,388	1,131	1,913	3,628
	1904	3	1,559	1,717	1,031	1,942	3,600
Fertilizers	1914	9	64	295	28	382	510
	1909	10	134	805	52	452	860
	1904	7	149	665	33	287	371
Flour-mill and gristmill products.	1914	60	127	3,287	59	1,203	1,483
	1909	65	139	3,349	57	1,500	1,752
	1904	47	137	2,827	58	1,315	1,537
Foundry and machine-shop products.	1914	[3] 51	2,522	8,527	1,505	3,142	6,120
	1909	37	2,219	4,270	1,247	2,402	4,781
	1904	33	2,328	3,635	1,195	2,246	4,484
Gas, illuminating and heating.	1914	8	125	158	75	205	570
	1909	5	128	333	76	109	364
	1904	4	76	105	52	118	305
Hosiery and knit goods.	1914	3	496	185	$148	$314	$506
	1909	4	492	200	122	282	449
	1904	7	323	275	75	164	296
Ice, manufactured	1914	18	151	1,694	93	59	294
	1909	15	71	1,028	31	49	153
	1904	10	64	705	31	26	142
Iron and steel, steel works and rolling mills.	1914	5	818	3,545	454	932	1,669
	1909	5	710	4,912	416	1,059	1,715
	1904	5	1,055	10,310	412	940	1,597
Leather, tanned, curried, and finished.	1914	20	2,382	5,163	1,187	6,474	9,183
	1909	16	3,045	4,417	1,367	8,147	12,079
	1904	20	2,836	5,377	1,176	7,911	10,251
Liquors, malt	1914	3	118	630	107	261	975
	1909	5	107	463	84	241	791
	1904	6	104	466	79	177	780
Lumber and timber products.	1914	[4] 102	786	3,237	253	345	829
	1909	116	1,174	3,767	330	608	1,312
	1904	94	655	3,037	196	405	857
Paper and wood pulp	1914	7	591	5,954	327	1,753	2,484
	1909	6	546	4,318	310	1,587	2,292
	1904	6	547	5,115	252	1,270	1,905
Printing and publishing	1914	54	360	420	198	211	676
	1909	48	288	305	129	138	480
	1904	46	267	184	125	103	398
Pulp goods	1914	8	892	3,402	486	1,028	2,145
	1909	4	359	1,087	175	581	1,032
Slaughtering and meat packing.	1914	19	125	504	82	1,499	1,711
	1909	9	82	212	53	1,231	1,372
	1904	5	47	160	26	477	548
Tobacco, cigars and snuff.	1914	18	525	336	175	547	1,391
	1909	19	245	655	91	759	1,049
	1904	[2] 19	113	.....	43	63	161
All other industries	1914	234	5,424	16,595	2,445	5,452	12,142
	1909	197	6,257	14,836	2,981	5,616	12,065
	1904	184	5,388	11,568	2,197	5,091	9,859
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
WILMINGTON—All industries.	1914	319	15,048	38,974	$8,674	$22,141	$39,403
	1909	261	14,663	29,282	7,937	21,976	38,069
	1904	245	13,508	29,534	6,513	18,121	30,285
Bread and other bakery products.	1914	43	214	213	121	542	820
	1909	36	198	106	104	380	629
	1904	35	178	101	89	365	581
Carriages and wagons and repairs.	1914	11	80	108	47	41	131
	1909	11	103	121	50	78	181
	1904	[5] 14	126	86	63	92	205
Cars and general shop construction and repairs by steam-railroad companies.	1914	3	2,059	2,820	1,524	1,764	3,551
	1909	3	1,525	1,835	1,147	1,943	3,251
	1904	3	1,317	1,245	803	646	1,539
Cars, steam-railroad, not including operations of railroad companies.	1914	3	2,110	3,833	$1,504	$2,783	$4,944
	1909	3	1,679	3,388	1,131	1,913	3,628
	1904	3	1,559	1,717	1,031	1,942	3,600
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	7	24	160	23	25	62
	1909	4	18	84	14	8	30
	1904	3	10	37	8	8	24
Printing and publishing	1914	27	279	315	161	179	562
	1909	22	210	214	99	112	373
	1904	25	198	150	100	86	319
All other industries	1914	225	10,282	31,525	5,294	16,807	29,333
	1909	182	10,930	23,534	5,392	17,542	29,977
	1904	162	10,120	26,198	4,419	14,982	24,017

[1] Includes "canning and preserving, fish;" "canning and preserving, fruits and vegetables;" and "pickles, preserves, and sauces."
[2] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[3] Includes "automobile repairing;" "engines, steam, gas, and water;" "hardware;" "plumbers' supplies;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork, not made in steel works or rolling mills."
[4] Includes "boxes, wooden packing;" and "lumber, planing-mill products, not including planing mills connected with sawmills."
[5] Excludes statistics for two establishments, to avoid disclosure of individual operations.

TABLE 24.—DETAIL STATEMENT FOR THE STATE AND FOR

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS—DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	808	25,533	735	798	1,399	446	22,155	Se 28,364	De 18,187	(3)	(3)	(3)	(3)	(3)	$69,323,927
2	Artificial stone products	6	18	9	.....	.....	.....	9	My[4] 15	Ja[5] 0	15	15	.....	.....	.....	8,056
3	Automobile repairing	11	52	11	3	.....	2	36	Je 39	De 31	37	37	.....	.....	.....	30,274
4	Baskets, and rattan and willow ware	6	372	3	16	5	1	347	Jy 492	No[4] 278	327	310	11	6	.....	207,269
5	Boxes, wooden packing	18	330	20	7	8	.....	295	Jy 314	Oc 252	353	343	10	.....	.....	238,719
6	Bread and other bakery products	67	375	67	9	8	34	257	Jy 277	Ja 216	275	235	37	3	.....	505,807
7	Brick and tile	13	183	11	11	1	1	159	My 232	Ja 80	188	188	.....	.....	.....	398,832
8	Butter	10	66	2	9	2	8	45	Au[4] 47	Ap 42	46	46	.....	.....	.....	169,330
9	Canning and preserving, fruits and vegetables.	94	2,011	107	61	38	5	1,800	Se 8,986	My 124	8,579	2,892	5,083	246	358	2,505,150
10	Carriages and wagons and repairs	28	164	35	5	3	3	118	Je 127	De[4] 111	113	113	.....	.....	.....	307,455
11	Cars and general shop construction and repairs by steam-railroad companies.	3	2,172	.....	9	104	.....	2,059	Ja 2,145	Oc 1,987	2,068	2,068	.....	.....	.....	1,815,167
12	Cars, steam-railroad, not including operations of railroad companies.	3	2,273	.....	62	99	2	2,110	Mh 2,951	De 1,325	2,212	2,172	37	3	.....	3,651,269
13	Clothing, men's	3	58	1	3	4	.....	50	De[4] 54	Ap 45	54	3	51	.....	.....	24,875
14	Confectionery and ice cream	28	120	26	5	5	14	70	.....	.....	77	62	15	.....	.....	133,164
15	Confectionery	4	32	2	3	4	2	21	(6) 21	(6) 21	21	11	10	.....	.....	28,201
16	Ice cream	24	88	24	2	1	12	49	Au 59	De[4] 42	56	51	5	.....	.....	104,963
17	Copper, tin, and sheet-iron work	7	60	10	4	2	2	42	Je[4] 44	Ap 38	44	43	1	.....	.....	58,291
18	Fertilizers	9	91	8	10	7	2	64	Ap 102	De 36	82	82	.....	.....	.....	381,765
19	Flour-mill and gristmill products	60	216	74	6	7	2	127	Oc 132	Je 123	130	130	.....	.....	.....	707,495
20	Food preparations, not elsewhere specified.	5	22	6	.....	2	.....	14	De[4] 15	Ap[4] 13	15	10	5	.....	.....	51,637
21	Foundry and machine-shop products	30	2,229	13	127	158	43	1,888	.....	.....	1,912	1,878	13	21	.....	8,288,163
22	Machine shops	26	1,390	12	79	99	29	1,171	Ja 1,323	Oc 1,046	1,172	1,171	.....	1	.....	4,263,804
23	Foundries and boiler shops	4	839	1	48	59	14	717	Au 774	No 570	740	707	13	20	.....	4,024,359
24	Furnishing goods, men's	5	250	2	8	2	4	234	Je 270	Au 62	260	27	231	.....	2	220,878
25	Furniture	3	10	3	.....	.....	.....	7	Jy[4] 8	Ja[4] 5	8	8	.....	.....	.....	12,320
26	Gas, illuminating and heating	8	168	1	8	26	8	125	Je 148	De 96	98	98	.....	.....	.....	7,193,896
27	Grease and tallow, not including lubricating greases.	3	27	2	1	1	1	22	Se[4] 23	De[4] 21	21	21	.....	.....	.....	41,819
28	Hats and caps, other than felt, straw, and wool.	3	12	4	.....	.....	2	6	Au[4] 8	Ja 3	8	4	4	.....	.....	18,806
29	Hosiery and knit goods	3	507	.....	7	.....	4	496	Je 523	De 472	507	63	366	11	67	229,901
30	Ice, manufactured	18	196	16	16	9	4	151	Je 249	Ja 90	171	170	1	.....	.....	700,442
31	Iron and steel, steel works and rolling mills.	5	990	.....	25	44	13	818	Mh 858	De 774	820	819	.....	1	.....	2,386,104
32	Leather, tanned, curried, and finished	20	2,608	13	49	123	41	2,382	My 2,717	De 1,716	2,365	1,705	649	6	5	7,079,969
33	Liquors, malt	3	144	.....	14	11	1	118	Au 127	Mh[4] 108	125	125	.....	.....	.....	1,907,906
34	Lumber and timber products	73	550	94	9	5	.....	442	Fe 671	Au 282	720	720	.....	.....	.....	277,849
35	Lumber, planing-mill products, not including planing mills connected with sawmills.	11	68	9	7	2	1	49	Au 55	Ap 44	48	48	.....	.....	.....	147,992
36	Marble and stone work	13	72	13	7	1	.....	51	Ap 55	Fe 46	52	51	.....	1	.....	97,211
37	Mineral and soda waters	14	52	14	3	3	1	31	Je[4] 42	De[4] 20	37	35	.....	2	.....	64,995
38	Minerals and earths, ground	4	75	4	5	4	.....	62	Se 87	Mh 38	79	79	.....	.....	.....	300,473
39	Oil, not elsewhere specified	5	157	.....	15	3	1	138	Jy 311	Ja 11	281	281	.....	.....	.....	1,012,641
40	Paper and wood pulp	7	635	3	14	21	6	591	Se 618	My 578	583	514	68	1	.....	3,502,865
41	Patent medicines and compounds	3	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,209
42	Printing and publishing, book and job.	20	156	17	4	6	7	122	Fe 133	Au 112	120	70	56	3	.....	229,418
43	Printing and publishing, newspapers and periodicals.	34	361	29	26	50	18	238	.....	.....	259	222	30	7	.....	525,156
44	Printing, publishing, and job printing.	27	238	26	17	36	13	146	De 164	Ja 132	167	139	21	7	.....	184,166
45	Printing and publishing	7	123	3	9	14	5	92	(6) 92	(6) 92	92	83	9	.....	.....	340,990
46	Pulp goods	8	1,117	.....	43	119	63	892	Mh[4] 965	No 780	925	909	16	.....	.....	3,436,396
47	Saddlery and harness	7	33	7	.....	2	2	22	My 23	No 21	22	21	.....	1	.....	40,927
48	Shipbuilding, wooden, including boat building.	6	58	5	6	.....	.....	47	Se 67	No 30	59	59	.....	.....	.....	82,675
49	Shirts	9	262	13	4	.....	1	244	Mh[4] 294	Au 111	305	11	294	.....	.....	47,220
50	Slaughtering and meat packing	19	173	21	7	16	4	125	De[4] 134	My 115	136	136	.....	.....	.....	739,145
51	All other industries*	103	6,128	60	173	498	145	5,252	.....	.....	.....	.....	.....	.....	.....	19,511,996

[1] Owned power only. [2] Includes rented power, other than electric. [3] No figures given for reasons stated under "Explanation of terms."

* All other industries embrace—

Automobile bodies and parts	1	Brushes	2	Cordials and flavoring sirups	1	Firearms	
Awnings, tents, and sails	1	Canning and preserving, fish	3	Cotton goods	1	Fire extinguishers, chemical	
Belting, leather	1	Carpets, rag	2	Dental goods	1	Fireworks	
Belting and hose, rubber	1	Cars and general shop construction and repairs by electric-railroad companies	2	Dyeing and finishing textiles	2	Hardware	
Bookbinding and blank-book making	1	Charcoal	2	Electrical machinery, apparatus, and supplies	1	Hats, fur-felt	
Boxes and cartons, paper	1	Cheese	1	Electroplating	2	Instruments, professional and scientific	
Brass and bronze products	1	Coffee, roasting and grinding	2	Engines, steam, gas, and water	1	Iron and steel forgings	
Brooms	1			Explosives	1	Jewelry	

CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES: 1914.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$1,755,958	$1,643,610	$11,382,160	$113,869	$107,585	$594,667	$30,246,291	$1,402,974	$56,034,966	$24,385,701	64,403	48,207	1,984	4,507	9,705	19,839	1
.....	.....	2,414	.....	80	63	8,024	24	12,896	4,848	8	.....	8	.....	.....	.....	2
3,060	858	23,109	.....	4,526	215	15,801	943	69,331	52,587	57	.....	7	.....	50	.....	3
13,558	4,050	94,324	5,494	.....	1,484	131,541	.....	294,658	163,117	295	295	.....	.....	.....	.....	4
4,421	3,205	90,657	2,589	225	834	113,991	723	263,479	148,765	890	853	37	.....	.....	.....	5
11,424	16,434	140,387	.....	10,437	4,528	598,592	22,931	953,936	332,413	263	57	24	.....	182	.....	6
13,160	1,396	74,015	200	1,480	1,241	21,551	25,468	173,395	126,376	767	515	.....	.....	252	.....	7
6,700	4,535	28,155	.....	2,124	476	175,768	7,160	242,096	59,168	257	257	.....	.....	.....	.....	8
57,063	29,953	458,668	1,479	4,836	5,217	2,211,448	33,649	3,164,348	919,251	2,993	2,894	99	.....	.....	.....	9
5,022	3,332	66,684	648	4,378	1,895	65,268	2,510	196,696	128,918	181	.....	97	.....	84	.....	10
141,118	111,967	1,524,149	.....	.....	10,281	1,702,156	61,752	3,551,424	1,787,516	2,820	2,820	.....	.....	.....	2,237	11
124,408	130,057	1,503,621	.....	.....	19,168	2,728,772	54,078	4,944,309	2,161,459	3,833	1,961	.....	.....	1,872	3,234	12
6,500	4,135	6,748	21,447	.....	236	1,200	1,150	42,060	39,710	37	18	4	.....	15	5	13
3,720	6,270	29,636	250	7,873	1,388	164,597	4,493	285,402	116,312	139	7	46	.....	86	.....	14
2,500	2,674	8,628	.....	4,320	74	57,656	1,400	98,133	39,077	17	.....	.....	.....	17	.....	15
1,220	3,596	21,008	250	3,553	1,314	106,941	3,093	187,269	77,235	122	7	46	.....	69	.....	16
4,770	1,820	27,711	.....	1,176	82	34,415	295	89,359	54,649	12	.....	4	.....	8	.....	17
14,970	5,728	27,955	.....	1,030	859	377,068	4,669	510,036	128,299	295	240	40	.....	15	5	18
8,550	6,376	59,349	.....	8,525	2,567	1,187,178	15,422	1,483,410	280,810	3,287	850	445	1,929	63	5	19
.....	572	4,268	.....	364	373	66,392	1,475	88,488	20,621	28	9	.....	.....	19	.....	20
271,383	173,469	1,088,023	1,416	4,135	24,096	1,545,720	123,412	3,712,775	2,043,643	7,614	3,832	34	.....	3,748	2,272	21
178,881	106,194	744,341	1,416	4,135	16,015	906,486	53,831	2,410,701	1,450,384	5,067	1,287	32	.....	3,748	427	22
92,502	67,275	343,682	.....	.....	8,081	639,234	69,581	1,302,074	593,259	2,547	2,545	2	.....	.....	1,845	23
11,760	2,488	55,451	9,121	2,844	360	206,379	3,350	324,067	114,338	79	.....	59	.....	20	14	24
.....	.....	3,932	197	108	44	4,029	83	11,562	7,450	5	.....	.....	.....	5	.....	25
22,030	34,423	75,314	210	.....	11,200	55,189	149,821	570,426	365,416	158	153	5	.....	.....	.....	26
520	728	13,160	85	72	80	37,476	4,482	62,202	20,244	28	28	.....	.....	.....	.....	27
.....	430	3,786	.....	552	52	9,042	231	17,443	8,170	5	.....	.....	.....	5	.....	28
11,206	2,184	147,601	.....	600	889	308,118	5,556	505,668	191,994	185	175	.....	.....	10	.....	29
13,935	5,285	92,603	382	16	3,204	17,032	41,574	293,660	235,054	1,694	1,530	132	.....	32	22	30
93,695	55,896	453,737	411	780	3,573	819,683	112,421	1,669,004	736,900	3,545	3,520	25	.....	.....	2,576	31
157,572	133,141	1,186,722	.....	5,900	18,916	6,393,189	80,865	9,183,205	2,709,151	5,163	4,902	.....	.....	261	668	32
49,214	12,352	107,226	.....	.....	158,342	239,446	21,908	975,346	713,992	650	522	.....	.....	108	32	33
6,588	3,080	129,439	14,166	422	1,460	173,207	.....	445,889	272,682	2,052	2,052	.....	.....	.....	.....	34
3,839	2,739	32,508	.....	665	1,016	53,800	3,230	119,392	62,362	295	149	.....	.....	146	.....	35
5,852	600	30,896	.....	1,307	433	52,304	1,289	112,501	58,908	52	.....	7	.....	45	.....	36
3,372	2,492	17,252	.....	3,120	1,032	46,702	734	91,634	44,198	27	12	.....	.....	15	.....	37
7,395	3,203	30,772	.....	.....	553	65,068	7,976	157,186	84,142	681	681	.....	.....	.....	.....	38
10,600	2,488	40,136	.....	1,480	1,128	326,192	11,379	602,823	265,252	745	720	.....	.....	25	.....	39
62,903	62,122	327,082	.....	.....	7,071	1,573,593	179,556	2,483,785	730,636	5,954	5,249	.....	705	.....	.....	40
.....	.....	.....	.....	145	13	989	.....	2,077	1,088	.....	.....	.....	.....	.....	.....	41
8,920	6,138	66,404	1,593	3,210	1,043	68,044	3,368	224,445	153,033	127	.....	11	.....	116	.....	42
27,526	41,534	132,001	32,782	7,840	1,552	132,184	7,868	451,108	311,056	293	35	38	.....	220	.....	43
18,856	26,454	69,103	11,070	7,624	703	81,243	5,225	271,590	185,122	145	35	38	.....	72	.....	44
8,670	15,080	62,898	21,712	216	849	50,941	2,643	179,518	125,934	148	.....	.....	.....	148	.....	45
113,883	113,799	485,725	958	2,594	12,890	920,606	106,958	2,144,603	1,117,039	3,402	3,252	35	40	75	1,453	46
.....	2,600	10,984	.....	313	505	17,660	185	39,508	21,663	.....	.....	.....	.....	.....	.....	47
3,694	.....	27,544	.....	700	284	43,617	1,438	82,654	37,599	195	163	27	.....	5	.....	48
1,753	300	50,773	.....	426	186	11,797	1,973	90,536	76,766	59	20	20	.....	19	.....	49
10,886	17,744	82,208	.....	2,889	3,710	1,470,417	28,607	1,710,741	211,717	504	425	.....	.....	79	.....	50
438,988	633,686	2,529,031	20,441	20,413	290,128	6,051,046	267,968	13,585,403	7,266,389	14,749	10,011	780	1,833	2,125	7,316	51

[4] Same number reported for one or more other months. [5] None reported for one or more other months. [6] Same number reported throughout the year.

Jute goods	1
Lard	1
Lubricating greases	1
Mattresses and spring beds	3
Models and patterns, not including paper patterns	2
Musical instruments, organs	1
Paints	4
Paper goods	1
Paving materials	2
Phonographs and graphophones	1
Photo-engraving	1
Pickles, preserves, and sauces	3
Plumbers' supplies	2
Rubber goods, not elsewhere specified	1
Sausage, not made in slaughtering and meat-packing establishments	1
Shipbuilding, iron and steel	2
Silk goods	1
Sporting and athletic goods	1
Stamped and enameled ware	1
Statuary and art goods	1
Steam fittings and steam and hot-water heating apparatus	1
Structural ironwork, not made in steel works or rolling mills	5
Sulphuric, nitric, and mixed acids	1
Tobacco, snuff	1
Tobacco, cigars	17
Upholstering materials	1
Wall paper, not made in paper mills	2
Wirework	1
Wooden goods, not elsewhere specified	1
Woolen and worsted goods	2

TABLE 24.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES

	Industry and city.	Number of establishments.	Persons engaged in the industry.									Wage earners Dec. 15, or nearest representative day.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.		Male.	Female.	Male.	Female.	
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
1	**WILMINGTON**—All industries	319	17,065	230	494	970	323	15,048	Mh	16,330	De	12,991	15,658	12,910	2,515	103	130	$46,400,226
2	Bread and other bakery products	43	301	40	7	8	32	214	Au	226	Ja	184	231	193	35	3	.....	421,782
3	Canning and preserving, fish	3	6	3	.....	.....	.....	3	Mh [3]	4	Se [3]	2	3	3	.....	.....	.....	4,900
4	Carriages and wagons and repairs	11	107	16	5	3	3	80	Je	88	Oc	73	76	76	.....	.....	.....	247,995
5	Cars and general shop construction and repairs by steam-railroad companies.	3	2,172	.....	9	104	.....	2,059	Ja	2,145	Oc	1,987	2,068	2,068	.....	.....	.....	1,815,167
6	Cars, steam-railroad, not including operations of railroad companies.	3	2,273	.....	62	99	2	2,110	Mh	2,951	De	1,325	2,212	2,172	37	3	.....	3,651,269
7	Confectionery and ice cream	16	93	14	4	5	14	56	.....	.....	.....	.....	59	45	14	.....	.....	97,679
8	Confectionery	4	32	2	3	4	2	21	(4)	21	(4)	21	21	11	10	.....	.....	28,201
9	Ice cream	12	61	12	1	1	12	35	Jy [3]	42	De	29	38	34	4	.....	.....	69,478
10	Food preparations, not elsewhere specified.	5	22	6	.....	2	.....	14	De [3]	15	Ap [3]	13	15	10	5	.....	.....	51,637
11	Foundry and machine-shop products.	24	2,013	9	120	134	38	1,712	Ja	1,924	De	1,500	1,738	1,710	13	15	.....	7,169,029
12	Furniture	3	10	3	.....	.....	.....	7	Jy [3]	8	Ja [3]	5	8	8	.....	.....	.....	12,320
13	Hats and caps, other than felt, straw, and wool.	3	12	4	.....	.....	2	6	Au [3]	8	Ja	3	8	4	4	.....	.....	18,806
14	Hosiery and knit goods	3	507	.....	7	.....	4	496	Je	523	De	472	507	63	366	11	67	229,901
15	Liquors, malt	3	144	.....	14	11	1	118	Au	127	Mh [3]	108	125	125	.....	.....	.....	1,907,906
16	Lumber, planing-mill products, not including planing mills connected with sawmills.	7	30	6	.....	.....	.....	24	Au	27	Ap	21	24	24	.....	.....	.....	79,451
17	Marble and stone work	6	45	7	5	1	.....	32	De [3]	35	Je [3]	30	33	33	.....	.....	.....	51,830
18	Mineral and soda waters	10	41	11	2	2	1	25	Jy [3]	31	De [3]	19	27	26	.....	1	.....	40,171
19	Printing and publishing, book and job.	16	152	13	4	6	7	122	Fe	133	Au	111	128	70	55	3	.....	214,458
20	Printing and publishing, newspapers and periodicals.	11	244	5	18	50	14	157	De	176	Ja	142	176	157	15	4	.....	396,630
21	Saddlery and harness	4	28	4	.....	2	1	21	Se [3]	22	No	19	20	19	.....	1	.....	37,463
22	Slaughtering and meat packing	9	151	9	7	16	3	116	Oc	120	Ap	111	122	122	.....	.....	.....	707,185
23	All other industries *	136	8,714	80	230	527	201	7,676	.....	.....	.....	.....	8,078	5,982	1,971	62	63	29,244,647

[1] Owned power only.

[2] Includes rented power, other than electric.

* All other industries embrace—

Automobile bodies and parts	1
Automobile repairing	9
Awnings, tents, and sails	1
Belting, leather	1
Belting and hose, rubber	1
Bookbinding and blank-book making	1
Boxes and cartons, paper	1
Brick	2
Carpets, rag	2
Cars and general shop construction and repairs by electric-railroad companies	2
Clothing, men's	1
Coffee, roasting and grinding	2
Copper, tin, and sheet-iron work	6
Cotton goods	1
Dyeing and finishing textiles	2
Electrical machinery, apparatus, and supplies	1
Electroplating	2
Engines, steam, gas, and water	1
Fertilizers	1
Firearms	1
Fire extinguishers, chemical	1
Flour-mill and gristmill products	1
Furnishing goods, men's	2
Gas, illuminating and heating	1
Grease and tallow, not including lubricating greases	2
Hardware	1
Hats, fur-felt	1
Ice, manufactured	3
Iron and steel, steel works and rolling mills	1
Iron and steel forgings	1
Jewelry	1
Jute goods	1
Lard	1
Leather, tanned, curried, and finished	18

OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES: 1914—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$1,237,036	$1,127,095	$8,673,788	$79,478	$81,829	$369,425	$21,190,897	$949,663	$39,402,563	$17,262,003	38,974	27,676	200	1,948	9,150	13,682	1
9,984	15,874	121,082	.....	9,186	3,947	523,913	17,900	820,163	278,350	213	42	.....	.....	171	.....	2
.....	.....	1,080	.....	120	30	6,922	115	10,473	3,436	.....	.....	.....	.....	.....	.....	3
5,022	3,332	47,077	.....	3,456	1,577	39,253	1,960	130,848	89,635	108	.....	30	.....	78	.....	4
141,118	111,967	1,524,149	.....	.....	10,281	1,702,156	61,752	3,551,424	1,787,516	2,820	2,820	.....	.....	.....	2,237	5
124,408	130,057	1,503,621	.....	.....	19,168	2,728,772	54,078	4,944,309	2,161,459	3,833	1,961	.....	.....	1,872	3,234	6
3,020	6,270	24,806	250	8,170	1,175	141,432	3,669	234,996	89,895	90	7	.....	.....	83	.....	7
2,500	2,674	8,628	.....	4,320	74	57,656	1,400	98,133	39,077	17	.....	.....	.....	17	.....	8
520	3,596	16,178	250	3,850	1,101	83,776	2,269	136,863	50,818	73	7	.....	.....	66	.....	9
.....	572	4,268	.....	364	373	66,392	1,475	88,488	20,621	28	9	.....	.....	19	.....	10
254,363	142,937	991,561	258	3,975	22,037	1,214,808	110,794	3,196,275	1,870,673	7,298	3,547	8	.....	3,743	2,077	11
.....	.....	3,932	197	108	44	4,029	83	11,562	7,450	5	.....	.....	.....	5	.....	12
.....	430	3,786	.....	552	52	9,042	231	17,443	8,170	5	.....	.....	.....	5	.....	13
11,206	2,184	147,601	.....	600	889	308,118	5,556	505,668	191,994	185	175	.....	.....	10	.....	14
49,214	12,352	107,226	.....	.....	158,342	239,446	21,908	975,346	713,992	630	522	.....	.....	108	32	15
.....	.....	23,045	.....	540	606	22,768	2,681	61,904	36,455	160	14	.....	.....	146	.....	16
4,052	600	20,198	.....	1,235	323	24,958	1,156	62,585	36,471	45	.....	.....	.....	45	.....	17
1,872	1,692	14,579	.....	3,060	966	42,475	644	76,985	33,866	25	10	.....	.....	15	.....	18
8,920	6,133	63,404	1,593	3,090	1,004	63,813	3,179	216,830	149,838	116	.....	.....	.....	116	.....	19
20,932	39,982	97,569	32,276	4,962	1,053	106,327	5,534	345,275	233,414	199	.....	.....	.....	199	.....	20
.....	2,496	9,986	.....	121	474	12,342	122	30,146	17,682	.....	.....	.....	.....	.....	.....	21
10,886	17,444	77,605	.....	2,889	3,391	1,342,381	27,785	1,565,078	194,912	436	357	.....	.....	79	.....	22
592,039	632,773	3,887,213	44,904	39,401	143,693	12,591,550	629,041	22,556,765	9,336,174	22,778	18,212	162	1,948	2,456	6,102	23

[3] Same number reported for one or more other months.

[4] Same number reported throughout the year.

Lubricating greases..... 1
Mattresses and spring beds..... 2
Minerals and earths, ground..... 1
Models and patterns, not including paper patterns..... 2
Musical instruments, organs..... 1
Oil, not elsewhere specified..... 2
Paints..... 2
Paper and wood pulp..... 2
Paper goods..... 1
Patent medicines and compounds..... 2
Paving materials..... 1
Phonographs and graphophones..... 1
Photo-engraving..... 1
Pickles and preserves..... 2
Plumbers' supplies..... 2
Pulp goods..... 3
Rubber goods, not elsewhere specified..... 1
Sausage, not made in slaughtering and meat-packing establishments..... 1
Shipbuilding, iron and steel..... 2
Shipbuilding, wooden, including boat building..... 3
Silk goods..... 1
Sporting and athletic goods..... 1
Stamped and enameled ware..... 1
Statuary and art goods..... 1
Steam fittings and steam and hot-water heating apparatus..... 1
Structural ironwork, not made in steel works or rolling mills..... 4
Tobacco, cigars and cigarettes..... 17
Upholstering materials..... 1
Wall paper, not made in paper mills. 1
Wooden goods, not elsewhere specified..... 1

DISTRICT OF COLUMBIA.

C. F. Wolfley.

GENERAL STATISTICS.

General character.—The District of Columbia, which is coextensive with the city of Washington, contains 70 square miles, of which 60 represent land surface. Its population in 1900 was 278,718, and in 1910, 331,069, and it is estimated that in 1914 its inhabitants numbered 353,000. In total population in 1910, the District outranked six states—New Mexico, Idaho, Arizona, Delaware, Wyoming, and Nevada. Its density of population in that year was 5,518 inhabitants per square mile, as compared with 4,645 in 1900.

Importance and growth of manufactures.—The manufactured products of the District in 1914 were valued at $28,978,241, and the average number of wage earners employed in its manufacturing industries was 8,877, exclusive of the establishments operated by the Federal Government. At each of the last three censuses the output of manufactures, as measured by value, represented only one-tenth of 1 per cent of the total for the United States.

Table 1 summarizes the more important data relative to all classes of manufactures combined in the District of Columbia, for the censuses of 1914, 1909, 1904, and 1899, and gives the percentages of increase from census to census.

Table 1

	Manufacturing industries.				Per cent of increase.[1]		
	1914	1909	1904	1899	1909-1914	1904-1909	1899-1904
Number of establishments	514	518	482	491	−0.8	7.5	−1.8
Persons engaged	11,323	9,758	7,778	(2)	16.0	25.5	.....
Proprietors and firm members	435	475	473	(2)	−8.4	0.4	.....
Salaried employees	2,011	1,576	1,006	957	27.6	56.7	5.1
Wage earners (average number)	8,877	7,707	6,299	6,155	15.2	22.4	2.3
Primary horsepower	24,775	16,563	12,592	10,255	49.6	31.5	22.8
Capital	$40,810,200	$30,552,623	$20,199,783	$17,960,498	33.6	51.2	12.5
Salaries and wages	8,605,693	6,835,052	4,864,979	3,894,788	25.9	40.5	24.9
Salaries	2,537,001	1,845,603	1,206,609	871,882	37.5	53.0	38.4
Wages	6,068,692	4,989,449	3,658,370	3,022,906	21.6	36.4	21.0
Paid for contract work	847,785	304,326	261,369	(2)	178.6	16.4	.....
Rent and taxes (including internal revenue)	1,320,268	792,718	[3] 347,732	(2)	66.5	.....	.....
Cost of materials	12,239,123	10,246,534	7,731,971	7,475,216	19.4	32.5	3.4
Value of products	28,978,241	25,289,136	18,359,159	16,426,408	14.6	37.7	11.8
Value added by manufacture (value of products less cost of materials)	16,739,118	15,042,602	10,627,188	8,951,192	11.3	41.5	18.7

[1] A minus sign (−) denotes decrease. [2] Figures not available. [3] Exclusive of internal revenue.

The figures in the preceding table reflect a general increase in the manufacturing activities of the District during the period from 1909 to 1914. The greatest relative gain, however, is shown for the preceding five years, 1904 to 1909. Although there were fewer establishments by four in 1914 than in 1909, the number of wage earners employed in manufactures increased 15.2 per cent and the value of products and value added by manufacture 14.6 per cent and 11.3 per cent, respectively.

The largest percentage of increase (178.6) shown in the table was for contract work. The variance in the amount reported for this item has no special significance, because the expenditure for such work depends upon the methods followed in carrying on the various industries and not on the magnitude of the operations.

The decrease in the number of proprietors and firm members is explained in the analysis of Table 4.

Table 2 shows the relative importance of the leading manufacturing industries in 1914, and gives percentages of increase for the three five-year periods from 1899 to 1914.

Separate statistics are presented for 10 industries, or industry groups, for each of which products valued at more than $290,000 were reported in 1914. These industries include 5 with products exceeding $1,000,000 in value and 5 with products valued between $290,000 and $1,000,000. Among those included under the head of "all other industries," the statistics for which can not be shown separately without the possibility of disclosing the operations of individual establishments, are a number which have products exceeding in value some for which figures are shown in the table, as follows: Slaughtering and meat packing, the manufacture of yeast, gas, and ice, the operations of steel works and rolling mills and of steam-railroad repair shops.

The industries in this table are arranged in the order of their importance as measured by value of products, but the arrangement would vary from that given if based on the average number of wage earners or on the value added by manufacture. Printing and publishing and bakeries, the two leading industries, held the same relative rank in all three items. Malt liquors,

third in value of products and value added by manufacture, was fourth in number of wage earners. Foundry and machine-shop products, fourth in value of products and value added by manufacture, ranked third in number of wage earners. Conf tionery (ice cream), fifth in value of products a value added by manufacture, was sixth in numl of wage earners.

Table 2

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added l manufacture		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1
All industries	514	8,877	100.0	$28,978,241	100.0	$16,739,118	100.0	15.2	22.4	2.3	14.6	37.7	11.8	11.3	41.6	
Printing and publishing	156	1,671	18.8	6,241,578	21.5	4,593,389	27.4	6.8	36.0	−17.8	27.4	23.8	40.9	20.8	13.3	
Bread and other bakery products	58	1,161	13.1	3,916,169	13.5	1,625,441	9.7	19.1	26.4	31.1	9.1	34.2	37.9	17.1	26.8	
Liquors, malt	4	270	3.0	1,547,833	5.3	940,581	5.6	8.9	18.1	9.9	−14.2	54.7	−12.9	−31.8	65.9	-
Foundry and machine-shop products	26	562	6.3	1,230,244	4.2	711,977	4.2	10.4	73.7	−21.9	4.7	165.2	−53.4	0.4	154.1	-
Confectionery (ice cream)	6	199	2.2	1,032,015	3.6	529,859	3.2	.....	.....	.....	.....	.....	.....	.....	.....	-
Patent medicines and compounds and druggists' preparations	20	169	1.9	612,645	2.1	394,244	2.4	.....	.....	.....	59.6	45.4	13.3	20.8	42.8	
Lumber, planing-mill products, not including planing mills connected with sawmills	10	249	2.8	441,072	1.5	247,056	1.5	−19.4	14.0	27.8	−27.6	55.4	18.4	−30.4	43.1	
Coffee, roasting and grinding	5	29	0.3	428,312	1.5	124,480	0.7	.....	.....	.....	−18.2	96.6	−12.5	−16.8	.....	-
Copper, tin, and sheet-iron work	22	191	2.2	340,589	1.2	183,123	1.1	17.9	9.5	−8.1	0.3	49.1	−9.2	2.2	14.6	
Marble and stone work	12	130	1.5	290,287	1.0	142,953	0.8	−50.9	.....	.....	−47.2	230.7	3.7	−52.2	167.0	-
All other industries	195	4,246	47.8	12,897,497	44.5	7,246,015	43.3	.....	.....	.....	.....	.....	.....	.....	.....	-

[1] Percentages are based on figures in Table 21; a minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or where comparable figure not be given.

In rank according to value of products there were a few changes in 1914 as compared with 1909. Of the more important industries shown in the table, printing and publishing, bread and other bakery products, malt liquors, and foundry and machine-shop products, at both censuses, ranked in the order named. The lumber industry dropped from fifth place in 1909 to seventh in 1914, and marble and stone work from sixth in 1909 to tenth in 1914. The manufacture of ice cream and the roasting and grinding of coffee, ranking fifth and seventh, respectively, in 1914, were not shown separately in 1909.

Printing and publishing.—The classification, for comparative purposes, includes the printing and publishing of newspapers and periodicals, book and job printing, bookbinding and blank-book making, the engraving of steel and copper plates, including plate printing, and lithographing. Nearly one-third of the total establishments reported for the District were engaged in this industry in both 1909 and 1914. The value of products, representing 21.5 per cent of the total for all industries, increased 27.4 per cent from 1909 to 1914. The average number of wage earners shows only a slight increase, 6.8 per cent, but an increase of 20.8 per cent is shown for value added by manufacture.

Bread and other bakery products.—Although the number of establishments engaged in this industry has decreased from census to census, general increases are shown for average number of wage earners, value of products, and value added by manufacture, but the percentage of increase has been less at each succeeding census.

Liquors, malt.—This industry shows a slight incre from 1909 to 1914 in wage earners but a decrease 14.2 per cent in value of products and of 31.8 cent in value added by manufacture. The preced five years, however, marked a period of consider growth in the industry, as measured by value of pr ucts and value added by manufacture.

Foundry and machine-shop products.—In additio the general class of foundries and machine shops, tablishments engaged in such special lines as auto bile repairing and the manufacture of structural i work are included in this classification. It does include, however, machine shops which manufac distinctive products covered by other classificati The industry showed an increase of 10.4 per from 1909 to 1914 in average number of wage ear employed and slight gains in value of products value added by manufacture. The relative im tance of the industry, however, was slightly les 1914 than in 1909.

Persons engaged in manufacturing industrie Table 3 shows, for 1914 and 1909, the number of sons engaged in manufactures, distributed by the average number of wage earners being distrib also by age. The sex and age classification of average number of wage earners in this and c tables is an estimate obtained by the method descr in the "Explanation of terms."

In 1914 the number of persons engaged in m factures was 11,323, of whom 8,877, or nearly fifths, were wage earners, 928 were proprietors officials, and 1,518 were clerks and other subordi salaried employees. Of the wage earners 16 yea

age and over 7,760, or nearly nine-tenths, were males, and 1,074, or slightly more than one-tenth, were females. The greatest proportion of females in any one class (31.5 per cent) was shown for clerks. More than one-half of the wage earners under 16 years of age were females, but this class of employees formed a negligible proportion of the total. Figures for individual industries will be found in Table 22.

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Total.	Male.	Female.	Per cent of total. Male.	Female.
All classes	1914	11,323	9,692	1,631	85.6	14.4
	1909	9,758	8,598	1,160	88.1	11.9
Proprietors and officials	1914	928	872	56	94.0	6.0
	1909	899	866	33	96.3	3.7
Proprietors and firm members	1914	435	404	31	92.9	7.1
	1909	475	455	20	95.8	4.2
Salaried officers of corporations	1914	199	189	10	95.0	5.0
	1909	170	164	6	96.5	3.5
Superintendents and managers	1914	294	279	15	94.9	5.1
	1909	254	247	7	97.2	2.8
Clerks and other subordinate salaried employees.	1914	1,518	1,040	478	68.5	31.5
	1909	1,152	853	299	74.0	26.0
Wage earners (average number)	1914	8,877	7,780	1,097	87.6	12.4
	1909	7,707	6,879	828	89.3	10.7
16 years of age and over	1914	8,834	7,760	1,074	87.8	12.2
	1909	7,688	6,861	827	89.2	10.8
Under 16 years of age	1914	43	20	23	46.5	53.5
	1909	19	18	1	94.7	5.3

Table 4 gives, for the several classes of persons engaged in manufactures, the percentages of increase from 1909 to 1914 and the per cent distribution at the two censuses.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Per cent of increase,[1] 1909–1914. Total.	Male.	Female.	Per cent distribution. Total. 1914	Total. 1909	Male. 1914	Male. 1909	Female. 1914	Female. 1909
All classes	16.0	12.7	40.6	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	3.2	0.7	.....	8.2	9.2	9.0	10.1	3.4	2.8
Proprietors and firm members	−8.4	−11.2	.....	3.8	4.9	4.2	5.3	1.9	1.7
Salaried officers of corporations	17.1	15.2	.....	1.8	1.7	2.0	1.9	0.6	0.5
Superintendents and managers	15.7	13.0	.....	2.6	2.6	2.9	2.9	0.9	0.6
Clerks and other subordinate salaried employees	31.8	21.9	59.9	13.4	11.8	10.7	9.9	29.3	25.8
Wage earners (average number)	15.2	13.1	32.5	78.4	79.0	80.3	80.0	67.2	71.4
16 years of age and over	14.9	13.1	29.9	78.0	78.8	80.1	79.8	65.8	71.3
Under 16 years of age	.....	.....	.....	0.4	0.2	0.2	0.2	1.4	0.1

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

During the five-year period covered by the table, each of the several classes of employees, with the exception of proprietors and firm members, showed a fair increase, but the relative importance of each class in 1914 was practically the same as in 1909. The largest percentage of increase for both sexes combined, 31.8 per cent, is shown for clerks and other subordinate salaried employees. The increase in this group is traceable to the female element, as the males show only slight relative gain.

The decrease in proprietors and firm members follows the decrease in number of establishments. It is also due in part to changes in organization as shown by Table 10. A number of establishments operated by individuals or firms in 1909 were subsequently incorporated, and it is probable that the owners of some were classed as salaried officials in 1914.

In order to compare the distribution of persons engaged in manufactures in 1914 with that shown at the census of 1904, it is necessary to use the classification employed at the earlier census. (See "Explanation of terms.") Table 5 makes this comparison according to occupational status.

Table 5

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Number. 1914	1909	1904	Per cent distribution. 1914	1909	1904	Per cent of increase.[1] 1909–1914	1904–1909
Total	11,323	9,758	7,778	100.0	100.0	100.0	16.0	25.5
Proprietors and firm members	435	475	473	3.8	4.9	6.1	−8.4	0.4
Salaried employees	2,011	1,576	1,006	17.8	16.2	12.9	27.6	56.7
Wage earners (average)	8,877	7,707	6,299	78.4	79.0	81.0	15.2	22.4

[1] A minus sign (−) denotes decrease.

During the decade 1904–1914 the number of persons engaged in manufactures increased 45.6 per cent. The decrease of 8 per cent for the same period in proprietors and firm members is more than offset by substantial increases in the other two classes. Sal-

third in value of products and value added by manufacture, was fourth in number of wage earners. Foundry and machine-shop products, fourth in value of products and value added by manufacture, ranked third in number of wage earners. Confectionery (ice cream), fifth in value of products and value added by manufacture, was sixth in number of wage earners.

Table 2

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904
All industries	514	8,877	100.0	$28,978,241	100.0	$16,739,118	100.0	15.2	22.4	2.3	14.6	37.7	11.8	11.3	41.6	18.7
Printing and publishing	156	1,671	18.8	6,241,578	21.5	4,593,389	27.4	6.8	36.0	−17.8	27.4	23.8	40.9	20.8	13.3	46.7
Bread and other bakery products	58	1,161	13.1	3,916,169	13.5	1,625,441	9.7	19.1	26.4	31.1	9.1	34.2	37.9	17.1	26.8	29.3
Liquors, malt	4	270	3.0	1,547,833	5.3	940,581	5.6	8.9	18.1	9.9	−14.2	54.7	−12.9	−31.8	65.9	−21.0
Foundry and machine-shop products	26	562	6.3	1,230,244	4.2	711,977	4.2	10.4	73.7	−21.9	4.7	165.2	−53.4	0.4	154.1	−49.7
Confectionery (ice cream)	6	199	2.2	1,032,015	3.6	529,859	3.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Patent medicines and compounds and druggists' preparations	20	169	1.9	612,645	2.1	394,244	2.4	.....	.....	.....	59.6	45.4	13.3	20.8	42.8	13.4
Lumber, planing-mill products, not including planing mills connected with sawmills	10	249	2.8	441,072	1.5	247,056	1.5	−19.4	14.0	27.8	−27.6	55.4	18.4	−30.4	43.1	40.1
Coffee, roasting and grinding	5	29	0.3	428,312	1.5	124,480	0.7	.....	.....	.....	−18.2	96.6	−12.5	−16.8	.....	.....
Copper, tin, and sheet-iron work	22	191	2.2	340,589	1.2	183,123	1.1	17.9	9.5	−8.1	0.3	49.1	−9.2	2.2	14.6	0.6
Marble and stone work	12	130	1.5	290,287	1.0	142,953	0.8	−50.9	.....	.....	−47.2	230.7	3.7	−52.2	167.0	.....
All other industries	195	4,246	47.8	12,897,497	44.5	7,246,015	43.3	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 21; a minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures can not be given.

In rank according to value of products there were a few changes in 1914 as compared with 1909. Of the more important industries shown in the table, printing and publishing, bread and other bakery products, malt liquors, and foundry and machine-shop products, at both censuses, ranked in the order named. The lumber industry dropped from fifth place in 1909 to seventh in 1914, and marble and stone work from sixth in 1909 to tenth in 1914. The manufacture of ice cream and the roasting and grinding of coffee, ranking fifth and seventh, respectively, in 1914, were not shown separately in 1909.

Printing and publishing.—The classification, for comparative purposes, includes the printing and publishing of newspapers and periodicals, book and job printing, bookbinding and blank-book making, the engraving of steel and copper plates, including plate printing, and lithographing. Nearly one-third of the total establishments reported for the District were engaged in this industry in both 1909 and 1914. The value of products, representing 21.5 per cent of the total for all industries, increased 27.4 per cent from 1909 to 1914. The average number of wage earners shows only a slight increase, 6.8 per cent, but an increase of 20.8 per cent is shown for value added by manufacture.

Bread and other bakery products.—Although the number of establishments engaged in this industry has decreased from census to census, general increases are shown for average number of wage earners, value of products, and value added by manufacture, but the percentage of increase has been less at each succeeding census.

Liquors, malt.—This industry shows a slight increase from 1909 to 1914 in wage earners but a decrease of 14.2 per cent in value of products and of 31.8 per cent in value added by manufacture. The preceding five years, however, marked a period of considerable growth in the industry, as measured by value of products and value added by manufacture.

Foundry and machine-shop products.—In addition to the general class of foundries and machine shops, establishments engaged in such special lines as automobile repairing and the manufacture of structural ironwork are included in this classification. It does not include, however, machine shops which manufacture distinctive products covered by other classifications. The industry showed an increase of 10.4 per cent from 1909 to 1914 in average number of wage earners employed and slight gains in value of products and value added by manufacture. The relative importance of the industry, however, was slightly less in 1914 than in 1909.

Persons engaged in manufacturing industries.—Table 3 shows, for 1914 and 1909, the number of persons engaged in manufactures, distributed by sex, the average number of wage earners being distributed also by age. The sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms."

In 1914 the number of persons engaged in manufactures was 11,323, of whom 8,877, or nearly four-fifths, were wage earners, 928 were proprietors and officials, and 1,518 were clerks and other subordinate salaried employees. Of the wage earners 16 years of

age and over 7,760, or nearly nine-tenths, were males, and 1,074, or slightly more than one-tenth, were females. The greatest proportion of females in any one class (31.5 per cent) was shown for clerks. More than one-half of the wage earners under 16 years of age were females, but this class of employees formed a negligible proportion of the total. Figures for individual industries will be found in Table 22.

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Total.	Male.	Female.	Per cent of total. Male.	Female.
All classes	1914	11,323	9,692	1,631	85.6	14.4
	1909	9,758	8,598	1,160	88.1	11.9
Proprietors and officials	1914	928	872	56	94.0	6.0
	1909	899	866	33	96.3	3.7
Proprietors and firm members	1914	435	404	31	92.9	7.1
	1909	475	455	20	95.8	4.2
Salaried officers of corporations	1914	199	189	10	95.0	5.0
	1909	170	164	6	96.5	3.5
Superintendents and managers	1914	294	279	15	94.9	5.1
	1909	254	247	7	97.2	2.8
Clerks and other subordinate salaried employees.	1914	1,518	1,040	478	68.5	31.5
	1909	1,152	853	299	74.0	26.0
Wage earners (average number)	1914	8,877	7,780	1,097	87.6	12.4
	1909	7,707	6,879	828	89.3	10.7
16 years of age and over	1914	8,834	7,760	1,074	87.8	12.2
	1909	7,688	6,861	827	89.2	10.8
Under 16 years of age	1914	43	20	23	46.5	53.5
	1909	19	18	1	94.7	5.3

Table 4 gives, for the several classes of persons engaged in manufactures, the percentages of increase from 1909 to 1914 and the per cent distribution at the two censuses.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Per cent of increase,[1] 1909-1914. Total.	Male.	Female.	Per cent distribution. Total. 1914	Total. 1909	Male. 1914	Male. 1909	Female. 1914	Female. 1909
All classes	16.0	12.7	40.6	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	3.2	0.7	.....	8.2	9.2	9.0	10.1	3.4	2.8
Proprietors and firm members	−8.4	−11.2	.....	3.8	4.9	4.2	5.3	1.9	1.7
Salaried officers of corporations	17.1	15.2	.....	1.8	1.7	2.0	1.9	0.6	0.5
Superintendents and managers	15.7	13.0	.....	2.6	2.6	2.9	2.9	0.9	0.6
Clerks and other subordinate salaried employees	31.8	21.9	59.9	13.4	11.8	10.7	9.9	29.3	25.8
Wage earners (average number)	15.2	13.1	32.5	78.4	79.0	80.3	80.0	67.2	71.4
16 years of age and over	14.9	13.1	29.9	78.0	78.8	80.1	79.8	65.8	71.3
Under 16 years of age	.....	.....	.....	0.4	0.2	0.2	0.2	1.4	0.1

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

During the five-year period covered by the table, each of the several classes of employees, with the exception of proprietors and firm members, showed a fair increase, but the relative importance of each class in 1914 was practically the same as in 1909. The largest percentage of increase for both sexes combined, 31.8 per cent, is shown for clerks and other subordinate salaried employees. The increase in this group is traceable to the female element, as the males show only slight relative gain.

The decrease in proprietors and firm members follows the decrease in number of establishments. It is also due in part to changes in organization as shown by Table 10. A number of establishments operated by individuals or firms in 1909 were subsequently incorporated, and it is probable that the owners of some were classed as salaried officials in 1914.

In order to compare the distribution of persons engaged in manufactures in 1914 with that shown at the census of 1904, it is necessary to use the classification employed at the earlier census. (See "Explanation of terms.") Table 5 makes this comparison according to occupational status.

Table 5

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Number. 1914	1909	1904	Per cent distribution. 1914	1909	1904	Per cent of increase.[1] 1909–1914	1904–1909
Total	11,323	9,758	7,778	100.0	100.0	100.0	16.0	25.5
Proprietors and firm members	435	475	473	3.8	4.9	6.1	−8.4	0.4
Salaried employees	2,011	1,576	1,006	17.8	16.2	12.9	27.6	56.7
Wage earners (average)	8,877	7,707	6,299	78.4	79.0	81.0	15.2	22.4

[1] A minus sign (−) denotes decrease.

During the decade 1904–1914 the number of persons engaged in manufactures increased 45.6 per cent. The decrease of 8 per cent for the same period in proprietors and firm members is more than offset by substantial increases in the other two classes. Sal-

aried employees formed an increasing proportion of the total from census to census, but wage earners decreased from 81 per cent of the total in 1904 to 78.4 per cent in 1914.

The average number of wage earners employed and their per cent distribution as males 16 years of age and over, females 16 years of age and over, and children under 16 years of age are given in Table 6 for 1914, 1909, and 1904. The table also shows, for some of the important industries separately, a similar distribution of wage earners for 1914 and 1909.

Table 6.

INDUSTRY.	Census year.	WAGE EARNERS.			
		Average number.[1]	Per cent of total.		
			16 years of age and over.		Under 16 years of age.
			Male.	Female.	
All industries	1914	8,877	87.4	12.1	0.5
	1909	7,707	89.0	10.7	0.2
	1904	6,299	89.1	9.7	1.2
Bread and other bakery products	1914	1,161	90.6	8.6	0.8
	1909	975	93.9	6.1	.....
Copper, tin, and sheet-iron work	1914	191	99.5	0.5	.....
	1909	152	98.7	.....	1.3
Foundry and machine-shop products	1914	562	99.8	0.2	.....
	1909	509	99.8	0.2	.....
Liquors, malt	1914	270	100.0	.....	.....
	1909	248	100.0	.....	.....
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	249	100.0	.....	.....
	1909	309	99.7	.....	0.3
Marble and stone work	1914	130	100.0	.....	.....
	1909	265	100.0	.....	.....
Patent medicines and compounds and druggists' preparations.	1914	169	27.8	71.6	0.6
	1909	78	37.2	61.5	1.3
Printing and publishing	1914	1,671	79.8	18.7	1.6
	1909	1,565	81.4	18.1	0.4
Tobacco, cigars and cigarettes	1914	145	61.4	38.6	.....
	1909	63	74.6	22.2	3.2
All other industries	1914	4,329	88.7	11.2	0.2
	1909	3,543	87.9	11.9	0.2

[1] For method of estimating the distribution of the average number, by sex and age periods, for all industries combined, see "Explanation of terms."

There has been a slight decrease since 1904 in the proportion of male wage earners 16 years of age and over employed in all industries and a corresponding increase in the proportion of females of the same age. Children under 16 years of age represent so small a fraction of the total wage earners that the slight variations in their proportions are of no significance.

Of the nine industries for which separate figures are given in this table, only the manufacture of copper, tin, and sheet-iron work and planing-mill products show an increase from 1909 to 1914 in proportion of male wage earners. Six of the industries furnish employment to women, but printing and publishing, tobacco manufactures, and the compounding of patent medicines and druggists' preparations are the only ones in which female labor is employed to any considerable extent. Patent medicines and compounds and druggists' preparations is the only industry in which the combined proportion of women and children employed as wage earners is greater than that of men. In this industry children under 16 years of age formed 1.3 per cent of the total wage earners in 1909, and in 1914 the proportion was but six-tenths of 1 per cent. Printing and publishing employed the largest proportion of children, 1.6 per cent of the total for the industry in 1914.

Wage earners employed, by months.—The following table gives, for all industries combined, the total number of wage earners employed on the 15th of each month, or the nearest representative day, for 1914 and 1909, and for 1904 the average number employed during each month, together with the percentage which the number reported for each month forms of the greatest number reported for any month.

Table 7.

Month.	WAGE EARNERS IN MANUFACTURING INDUSTRIES.					
	Number.[1]			Per cent of maximum.		
	1914	1909	1904	1914	1909	1904
January	8,696	7,421	5,845	94.2	93.4	86.6
February	8,672	7,445	5,766	94.0	93.7	85.5
March	8,658	7,535	5,953	93.8	94.8	88.2
April	8,725	7,619	6,331	94.6	95.8	93.8
May	9,003	7,774	6,482	97.6	97.8	96.1
June	8,869	7,761	6,436	96.1	97.6	95.4
July	8,765	7,785	6,483	95.0	97.9	96.1
August	8,885	7,752	6,350	96.3	97.5	94.1
September	8,965	7,840	6,579	97.2	98.6	97.5
October	8,995	7,949	6,747	97.5	100.0	100.0
November	9,064	7,861	6,360	98.2	98.9	94.3
December	9,227	7,753	6,256	100.0	97.5	92.7

[1] The figures for 1914 and 1909 represent the number employed on the 15th of each month, or the nearest representative day; those for 1904, the average number employed during the month.

In 1914 the last two months of the year was the period of greatest industrial activity in the District, the maximum number of wage earners appearing for December. In 1909 and 1904 the greatest number of wage earners were employed during the fall months, the maximum month appearing for October.

The greatest difference between the maximum and minimum months in any one of the three census years was 981 in 1904.

Table 8 gives the total average number of wage earners employed during 1914, together with the total number employed on the 15th of each month, or the nearest representative day, for the combined industries of the District and for a number of selected industries.

The figures presented in the table show a marked stability of employment in the District. The greatest degree of fluctuation is shown for the malt-liquor industry, where the number of wage earners in December constituted 76.1 per cent of the number in July. The steadiest employment is furnished by the bakeries, in which industry the minimum formed 96.8 per cent of the maximum.

Table 8

WAGE EARNERS: 1914.
[Month of maximum employment for each industry is indicated by **boldface** figures and that of minimum by *italic* figures.]

INDUSTRY.	Average number employed during year.	Number employed on the 15th day of the month or nearest representative day.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	8,877	8,696	8,672	*8,658*	8,725	9,003	8,869	8,765	8,885	8,965	8,995	9,064	**9,227**	93.8
Bread and other bakery products	1,161	1,141	*1,138*	1,153	1,155	1,173	**1,175**	1,152	1,165	1,171	1,173	1,166	1,170	96.8
Foundry and machine-shop products	562	*503*	519	535	562	574	570	601	612	595	576	552	545	82.2
Liquors, malt	270	268	261	261	266	275	287	297	294	288	280	237	*226*	76.1
Lumber, planing-mill products, not including planing mills connected with sawmills	249	*230*	233	233	244	249	249	273	261	261	250	248	257	84.2
Patent medicines and compounds and druggists' preparations	169	176	174	175	176	165	163	164	*161*	162	164	173	175	91.5
Printing and publishing	1,671	1,656	1,674	1,666	1,654	1,693	1,657	*1,636*	1,648	1,677	1,664	1,687	1,740	94.0
All other industries	4,795	4,722	4,673	*4,635*	4,668	4,874	4,768	4,642	4,744	4,811	4,888	5,001	**5,114**	90.6

Prevailing hours of labor.—In Table 9 the average number of wage earners reported for 1914 and 1909, for all industries combined and for selected industries in the District, have been classified according to number of hours of labor per week prevailing in the establishment in which they were employed. The number employed in each establishment is classified as a total even though a few employees worked a greater or less number of hours.

Table 9

INDUSTRY.	Census year.	AVERAGE NUMBER OF WAGE EARNERS.								
		Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
All industries	1914	8,877	4,839	691	977	767	381	1,199	5	18
	1909	7,707	2,944	782	1,558	254	1,117	949	45	58
Bread and other bakery products	1914	1,161	741	20	321	16	26	30	.....	7
	1909	975	120	19	782	10	26	10	8	.....
Foundry and machine-shop products	1914	562	333	103	119	.....	.....	7	.....	.....
	1909	509	330	80	99	.....	.....	.....	.....	.....
Liquors, malt	1914	270	104	45	121	.....	.....	.....	.....	.....
	1909	248	128	38	82	.....	.....	.....	.....	.....
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	249	246	.....	3	.....	.....	.....	.....	.....
	1909	309	309	.....	.....	.....	.....	.....	.....	.....
Patent medicines and compounds and druggists' preparations	1914	169	149	18	.....	.....	2	.....	.....	.....
	1909	78	27	49	2	.....	.....	.....	.....	.....
Printing and publishing	1914	1,671	1,572	58	38	.....	3	.....	.....	.....
	1909	1,565	1,259	161	61	83	.....	1	.....	.....
All other industries	1914	4,795	1,694	447	375	751	350	1,162	5	11
	1909	4,023	771	435	532	161	1,091	938	37	58

The figures in the above table indicate a tendency toward a shortening of the working day of wage earners. In 1909, 2,169, or 28.1 per cent of the total average number of wage earners in all industries, were employed in establishments where the prevailing hours of labor were 60 or more per week, whereas, in 1914, the number of wage earners in this class had decreased to 1,603, or 18.1 per cent. On the other hand, the number of wage earners whose working hours were less than 60 per week increased from 5,538 in 1909 to 7,274 in 1914, representing 71.9 per cent and 81.9 per cent, respectively, of the total. During the same period there was a marked increase in the proportion that wage earners in establishments operating 48 hours and less per week formed of the total. This group contained more than 50 per cent of all wage earners employed. The industries showing the greatest reduction in hours of labor were printing and publishing and bakeries.

Character of ownership.—Table 10 presents statistics in respect to character of ownership, or legal organization, of manufacturing enterprises, for all industries combined, for 1914, 1909, and 1904.

Table 10

CHARACTER OF OWNERSHIP.	Census year.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.	
			Average number.	Per cent of total.	Amount.	Per cent of total.
All classes	1914	514	8,877	100.0	$28,978,241	100.0
	1909	518	7,707	100.0	25,289,136	100.0
	1904	482	6,299	100.0	18,359,159	100.0
Individuals	1914	268	2,011	23.0	5,080,976	17.5
	1909	303	2,419	31.4	5,847,661	23.1
	1904	298	2,139	34.0	4,440,861	24.2
Corporations	1914	153	5,965	67.2	21,368,253	73.7
	1909	122	4,459	57.9	16,544,835	65.4
	1904	91	3,160	50.2	10,150,928	55.3
All others	1914	93	871	9.8	2,529,012	8.7
	1909	93	829	10.8	2,896,640	11.5
	1904	93	1,000	15.9	3,767,370	20.5

Table 15 gives, for 1914, the quantity of each kind of fuel used, for which data were obtained, for all industries combined, and for certain selected industries.

Table 15 — INDUSTRY.	COAL. Anthracite (tons, 2,240 lbs.).	COAL. Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
All industries	59,552	159,924	1,831	259,693	48,652
Bread and other bakery products	4,701	4,859	204	106	2,147
Foundry and machine-shop products	372	645	1,042	37	1,694
Liquors, malt	.....	18,836	.....	25	204
Lumber, planing-mill products, not including planing mills connected with sawmills	.....	930	.....	1	1,131
Printing and publishing	1,164	2,596	1	31	24,992
All other industries	53,315	132,058	584	259,493	18,484

Laundries.—Statistics for power laundries are not included in the general tables or in the totals for manufacturing industries. Table 16, however, summarizes these statistics for the District of Columbia for 1914 and 1909.

The following table shows increases in all the items given, except in the number of proprietors and firm members. The increases in receipts for work done and in average number of wage earners, amounted to 28.6 per cent and 22.6 per cent, respectively. Establishments owned by individuals reported 14 per cent of the amount received for work done; those owned by corporations, 70.2 per cent; and those under other forms of ownership, 15.8 per cent.

Table 16	POWER LAUNDRIES. Number or amount. 1914	1909	Per cent of increase,[1] 1909–1914.
Number of establishments	18	17	.....
Persons engaged	1,351	1,096	23.3
Proprietors and firm members	10	13	.....
Salaried employees	124	90	.....
Wage earners (average number)	1,217	993	22.6
Primary horsepower	1,071	998	7.3
Capital	$971,336	$699,007	39.0
Salaries and wages	562,398	419,285	34.1
Salaries	121,408	71,492	69.8
Wages	440,990	347,793	26.8
Paid for contract work	260	.....	.....
Rent and taxes	29,907	11,882	151.7
Cost of materials	181,876	126,256	44.1
Amount received for work done	1,023,475	795,999	28.6

[1] Percentages are omitted where base is less than 100.

ESTABLISHMENTS OPERATED BY FEDERAL GOVERNMENT.

A large proportion of the wage earners of the District of Columbia is employed by the Federal Government in operations similar to those carried on in the manufacturing establishments conducted under private ownership. These operations, however, are carried on for the exclusive benefit of the Government, but, as the products are not manufactured for sale, no value of products is shown. In order to avoid confusion, the statistics for the Government establishments are presented separately from those for other establishments.

As shown by the following statement, which is exclusive of a number of manufacturing industries of minor importance common to most large governmental departments, there was little change in the extent of the manufactures carried on in connection with the operations of the Federal Government during 1914 as compared with 1909, although there was a general increase for the decade 1904–1914. There were reported 11 establishments at each census, and the average number of employees increased only 169 during the decade.

Table 17 — INDUSTRY.	Census year.	Number of establishments.	PERSONS ENGAGED IN INDUSTRY. Total.	Officials and clerks.	Wage earners (average number).	Capital.	EXPENSES. Total.	Salaries.	Wages.	Cost of materials.	Rent.	Contract work.
All industries	1914	11	11,639	1,025	10,614	$39,863,067	$17,862,758	$1,122,927	$10,614,466	$5,902,954	$12,736	$209,675
	1909	11	11,666	1,009	10,657	28,479,599	15,508,250	1,016,745	10,663,010	3,807,626	10,565	10,274
	1904	11	11,470	488	10,982	24,567,754	14,958,958	643,113	9,740,261	4,502,090	34,794	38,700
Engraving and printing[1]	1914	4	4,146	318	3,828	6,151,511	4,678,123	398,697	3,600,227	657,470	.....	21,729
	1909	4	4,190	311	3,879	3,107,610	4,664,332	352,547	3,593,419	708,217	.....	10,149
	1904	4	3,206	183	3,023	2,409,100	3,492,264	238,871	2,601,896	621,372	6,400	23,725
Instruments, professional and scientific (Smithsonian Institution).	1914	1	1	.....	1	3,500	1,645	.....	1,320	325	.....	.....
	1909	1	1	.....	1	3,500	1,695	.....	1,260	310	.....	125
	1904	1	1	.....	1	2,650	1,679	.....	1,080	599	.....	.....
Naval Gun Factory (United States Navy Yard).	1914	1	3,229	253	2,986	27,318,507	6,834,341	280,735	3,065,057	3,488,549	.....	.....
	1909	1	3,141	297	2,844	19,192,224	4,577,663	203,317	2,893,670	1,480,676	.....	.....
	1904	1	3,396	107	3,289	16,449,605	5,331,459	107,966	2,639,184	2,569,334	.....	14,975
Government printing[2]	1914	3	4,051	408	3,643	6,302,618	6,143,345	433,037	3,827,458	1,691,610	3,294	187,946
	1909	3	4,155	390	3,765	6,102,938	6,079,295	449,042	4,042,467	1,587,786	.....	.....
	1904	4	4,572	190	4,382	5,679,074	5,898,838	287,916	4,330,998	1,256,626	23,298	.....
Other industries[3]	1914	2	202	46	156	86,931	205,304	10,458	120,404	65,000	9,442	.....
	1909	2	179	11	168	73,327	185,265	11,839	132,224	30,637	10,565	.....
	1904	1	295	8	287	27,325	234,718	8,360	167,103	54,159	5,096	.....

[1] Includes the Bureau of Engraving and Printing and establishments operated in the Geodetic Survey, the Geological Survey, and the Department of State.
[2] Includes the Government Printing Office and establishments operated in the Weather Bureau and the War Department.
[3] Includes 2 reports from the Post Office Department in 1909 and in 1914, 1 for the mail-bag repair shop, and 1 for the mail-lock shop. In 1904 both of these shops were included in 1 report, but since then the operations of the lock shop have been increased and separated from those of bag repair shop.

The capital reported represented almost exclusively the value placed on the land, buildings, and machinery, and did not include cash, bills receivable, and other items similar to those reported for the establishments operated under private ownership. In 1914 the average number of wage earners, 10,614, was 43 less than the number reported for 1909, but exceeded by 1,737 the number reported for the establishments conducted under private ownership in 1914.

There is a marked stability in the employment of wage earners in the governmental establishments. In 1914 the maximum number of wage earners, 10,750, was reported for January and the minimum, 10,501, was reported for July, a difference of 249.

Table 18

MONTH.	WAGE EARNERS.			
	Number.[1]		Per cent of maximum.	
	1914	1909	1914	1909
January	10,750	11,030	100.0	100.0
February	10,744	11,027	99.9	99.9
March	10,703	10,998	99.6	99.7
April	10,565	10,852	98.3	98.4
May	10,528	10,631	97.9	96.4
June	10,566	10,517	98.3	95.3
July	10,501	10,258	97.7	93.0
August	10,553	10,416	98.2	94.4
September	10,607	10,115	98.7	91.7
October	10,615	10,681	98.7	96.8
November	10,610	10,591	98.7	96.0
December	10,626	10 775	98.8	97.7

[1] The figures for 1914 and 1909 represent the number employed on the 15th of each month, or the nearest representative day.

The different kinds of primary power, the number of engines or motors, and the amount of horsepower used in the Government establishments during 1914 and 1909 are given in the following table:

Table 19

KIND.	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
			Amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	1914	1909	
Primary power, total	204	177	11,167	5,902	89.2
Owned	33	29	10,921	5,756	89.7
Steam engines and turbines	32	28	10,911	5,746	89.9
Internal-combustion engines	1	1	10	10	.....
Rented—Electric	171	148	246	146	68.5
Electric—generated by establishments reporting	3,535	1,972	10,636	10.729	—0.9

[1] A minus sign (—) denotes decrease.

The kind and amount of fuel used are shown in the following table:

Table 20

KIND.	Unit.	QUANTITY.		Per cent of increase,[1] 1909–1914.
		1914	1909	
Anthracite coal	Ton, 2,240 pounds	11,341	46,259	—75.5
Bituminous coal	Ton, 2,000 pounds	44,099	7,731	470.4
Coke	Ton, 2,000 pounds	577	715	—19.3
Oil, including gasoline	Barrel	18,625	9,553	95.0
Gas	1,000 cubic feet	24,297	33,377	—27.2

[1] A minus sign (—) denotes decrease.

GENERAL TABLES.

Table 21 gives, for 1914, 1909, and 1904, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for selected industries in the District.

Table 22 presents, for 1914, statistics in detail for each industry in the District that can be shown without the disclosure of individual operations, and for all industries combined.

TABLE 21.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE DISTRICT—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1914	514	8,877	24,775	$6,069	$12,239	$28,978
	1909	518	7,707	16,563	4,989	10,246	25,289
	1904	482	6,299	12,592	3,658	7,732	18,359
Bread and other bakery products.	1914	58	1,161	937	848	2,291	3,916
	1909	71	975	911	702	2,202	3,590
	1904	77	771	431	492	1,581	2,676
Coffee, roasting and grinding.	1914	5	29	61	26	304	428
	1909	4	17	90	9	374	523
	1904	3	13	41	6	194	266
Confectionery	1914	9	63	10	19	108	194
	1909	15	128	15	62	152	284
	1904	13	118	26	42	118	258
Copper, tin, and sheet-iron work.	1914	22	191	49	122	157	341
	1909	17	152	6	108	160	340
	1904	12	148	43	100	71	228
Foundry and machine-shop products.	1914	[1] 26	562	871	396	518	1,230
	1909	23	509	571	310	466	1,175
	1904	15	293	267	156	164	443
Liquors, malt	1914	4	270	3,965	222	607	1,548
	1909	5	248	3,571	201	425	1,805
	1904	4	210	1,695	173	335	1,167
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	10	249	679	$162	$194	$441
	1909	10	309	501	189	254	609
	1904	6	271	460	159	144	392
Marble and stone work	1914	12	130	82	74	147	290
	1909	15	265	72	180	250	549
	1904	[2] 7	95	70	64	54	166
Mineral and soda waters	1914	11	95	55	60	131	285
	1909	9	64	67	45	73	199
	1904	8	104	65	70	109	287
Patent medicines and compounds and druggists' preparations.	1914	20	169	62	62	218	613
	1909	17	78	50	36	57	384
	1904	6	59	45	23	35	264
Printing and publishing	1914	[3] 156	1,671	2,065	1,239	1,648	6,242
	1909	156	1,565	1,703	1,101	1,095	4,899
	1904	[2] 145	1,151	986	736	601	3,958
Tobacco, cigars and cigarettes.	1914	15	145	8	67	111	245
	1909	21	63	3	32	45	109
	1904	25	60	.....	30	33	98
All other industries	1914	166	4,142	16,831	2,772	5,805	13,265
	1909	155	3,334	9,003	2,014	4,693	10,823
	1904	161	3,096	8,463	1,607	4,293	8,159

[1] Includes "automobile repairing;" and "structural ironwork, not made in steel works or rolling mills."
[2] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[3] Includes "bookbinding and blank-book making;" "engraving, steel and copper plate, including plate printing;" and "lithographing."

TABLE 22.—DETAIL STATEMENT FOR THE

	INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE DISTRICT—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	514	11,323	435	493	1,040	478	8,877	De 9,227	Mh 8,658	(3)	(3)	(3)	(3)	(3)	$40,810,200
2	Automobile repairing	4	115	3	3	4	.....	105	Au[4] 109	De[4] 103	103	103	.....	.....	.....	87,727
3	Awnings, tents, and sails	4	87	7	3	7	3	67	Je 108	Fe[4] 45	73	37	36	.....	.....	69,651
4	Baskets, and rattan and willow ware	3	5	2	.....	.....	.....	3	(5) 3	(5) 3	3	3	.....	.....	.....	1,922
5	Bookbinding and blank-book making	6	63	7	1	1	1	53	My 55	No 50	52	35	16	1	.....	60,982
6	Boxes and cartons, paper	3	95	1	3	3	3	85	No 106	Au[4] 67	101	19	82	.....	.....	49,621
7	Bread and other bakery products	58	1,335	53	25	77	19	1,161	Je 1,175	Fe 1,138	1,165	1,056	100	7	2	2,317,978
8	Brick, and architectural and fireproofing terra-cotta	4	140	3	4	2	2	129	My 167	Fe 61	125	125	.....	.....	.....	146,125
9	Coffee, roasting and grinding	5	49	3	6	7	4	29	(5) 29	(5) 29	29	25	4	.....	.....	294,146
10	Confectionery and ice cream	15	324	14	11	20	17	262	.....	.....	227	176	51	.....	.....	1,515,424
11	Confectionery	9	76	10	1	.....	2	63	De 70	Au[4] 56	70	22	48	.....	.....	172,722
12	Ice cream	6	248	4	10	20	15	199	Au 245	Ja 152	157	154	3	.....	.....	1,342,702
13	Copper, tin, and sheet-iron work	22	228	21	9	5	2	191	Ja 212	Au 170	196	195	1	.....	.....	182,213
14	Dental goods	4	33	3	2	.....	.....	28	No[4] 29	De[4] 27	27	20	7	.....	.....	12,722
15	Druggists' preparations	3	55	2	6	.....	1	46	Je[4] 48	Au 42	45	9	36	.....	.....	153,052
16	Engraving, steel and copper plate, including plate printing.	6	93	9	6	2	2	74	De 85	Au 62	83	64	19	.....	.....	30,509
17	Flour-mill and gristmill products	3	11	4	1	1	.....	5	(5) 5	(5) 5	5	5	.....	.....	.....	7,440
18	Foundry and machine-shop products	17	386	20	19	10	3	334	Jy 367	Ja 307	331	330	1	.....	.....	511,773
19	Fur goods	6	58	6	1	.....	3	48	No 77	Ap 27	72	31	40	1	.....	157,461
20	Hand stamps	3	31	.....	3	2	4	22	Ap[4] 23	Au[4] 20	22	19	2	1	.....	36,275
21	Jewelry	6	41	6	4	.....	1	30	De 34	Je 27	34	34	.....	.....	.....	13,674
22	Liquors, malt	4	318	.....	17	30	1	270	Jy 297	De 226	266	266	.....	.....	.....	4,191,103
23	Lithographing	4	164	.....	11	8	4	141	Au 158	Mh 117	158	149	9	.....	.....	278,910
24	Lumber, planing-mill products, not including planing mills connected with sawmills.	10	279	12	2	15	1	249	Jy 273	Ja 230	257	257	.....	.....	.....	269,912
25	Marble and stone work	12	157	15	10	1	1	130	Se 167	Ja 98	123	123	.....	.....	.....	181,582
26	Mattresses and spring beds	7	59	7	.....	1	1	50	Ap 56	De[4] 47	49	37	12	.....	.....	49,126
27	Mineral and soda waters	11	123	6	9	8	5	95	Je 112	Fe 81	92	91	.....	1	.....	128,314
28	Models and patterns, not including paper patterns.	10	57	14	3	1	1	38	Oc 49	Fe[4] 23	47	38	9	.....	.....	63,615
29	Paper goods not elsewhere specified	4	85	.....	13	.....	4	68	De 87	Ja 57	87	41	46	.....	.....	234,810
30	Patent medicines and compounds	17	160	10	15	2	10	123	De[4] 130	Je 115	130	40	89	.....	1	843,336
31	Peanuts, grading, roasting, cleaning, and shelling.	3	9	4	.....	.....	.....	5	(5) 5	(5) 5	5	5	.....	.....	.....	7,718
32	Photo-engraving	3	82	2	8	17	3	52	Je[4] 54	No[4] 50	52	52	.....	.....	.....	32,702
33	Printing and publishing, book and job.	80	979	75	67	47	28	762	.....	.....	786	600	184	2	.....	1,786,693
34	Job work only	75	953	71	62	32	26	762	De 789	Jy 737	786	600	184	2	.....	1,674,097
35	Book publishing without printing.	5	26	4	5	15	2	.....	.....	.....	.....	.....	.....	.....	.....	112,596
36	Printing and publishing, newspapers and periodicals.	60	1,526	22	98	501	264	641	.....	.....	660	541	96	7	16	2,871,780
37	Printing and publishing	9	686	6	35	244	74	327	Se 346	Ja 309	334	264	48	6	16	841,453
38	Printing, publishing, and job printing.	13	576	5	34	214	28	295	Mh 306	Au 283	305	271	33	1	.....	1,457,745
39	Publishing without printing	38	264	11	29	43	162	19	Se[4] 21	Jy[4] 17	21	6	15	.....	.....	572,582
40	Structural ironwork not made in steel works or rolling mills.	5	152	6	4	16	3	123	Se 145	Ja 92	111	111	.....	.....	.....	310,471
41	Tobacco, cigars, and cigarettes	15	177	14	6	12	.....	145	No 179	Ap 120	157	96	61	.....	.....	209,758
42	All other industries*	97	3,847	84	123	240	87	3,313	.....	.....	.....	.....	.....	.....	.....	23,701,675

[1] Owned power only. [2] Includes rented power, other than electric. [3] No figures given for reasons stated under "Explanation of terms."

* All other industries embrace—

Artificial limbs	1
Artists' materials	1
Automobile bodies and parts	2
Automobiles	1
Baking powders and yeast	1
Brass, bronze, and copper products	2
Brooms, from broom corn	2
Canning and preserving, fish	1
Carpets, rag	1
Carriages and wagons	2
Cars and general shop construction and repairs by electric-railroad companies	3
Cars and general shop construction and repairs by steam-railroad companies	2
Chemicals	1
Clothing, men's	2
Corsets	1
Electrical machinery, apparatus, and supplies	1
Engraving and diesinking	2
Fancy articles, not elsewhere specified	1
Flags and banners	1
Food preparations, not elsewhere specified	3
Furniture, store and office fixtures	1
Gas and electric fixtures	2
Gas, illuminating and heating	3
Glass, cutting, staining, and ornamenting	1
Glue, not elsewhere specified	1
Grease and tallow, not elsewhere specified, not including lubricating greases	1
Hair work	1
Hammocks	1
Hats and caps, other than felt, straw, and wool	1
Horseshoes, not made in steel works or rolling mills	1
Ice, manufactured	8
Instruments, professional and scientific	2

DISTRICT OF COLUMBIA, BY INDUSTRIES: 1914.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.						Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE DISTRICT—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$1,237,800	$1,299,201	$6,068,692	$847,785	$282,560	$1,037,708	$10,782,494	$1,456,629	$28,978,241	$16,739,118	24,775	15,230	2,598	540	6,407	3,115	1
4,450	2,964	69,527	.....	4,040	242	100,447	2,564	213,267	110,256	45	.....	.....	.....	45	.....	2
2,340	7,398	29,495	.....	3,346	403	67,471	792	138,448	70,185	12	.....	.....	.....	12	.....	3
.....	.....	1,349	.....	744	11	6,524	.....	12,532	6,008	.....	.....	.....	.....	.....	.....	4
2,080	988	29,209	100	3,414	498	29,908	764	79,319	48,647	16	.....	.....	.....	16	.....	5
2,957	3,030	19,066	.....	4,050	405	39,216	1,475	76,088	35,397	29	.....	18	.....	11	.....	6
80,820	92,059	848,355	2,415	16,088	16,484	2,220,786	69,942	3,916,169	1,625,441	937	358	20	.....	559	211	7
7,590	3,308	49,243	.....	1,927	1,620	12,024	32,885	119,361	74,452	390	390	.....	.....	.....	.....	8
25,120	10,496	25,838	10,000	4,400	1,046	300,056	3,776	428,312	124,480	61	.....	12	.....	49	.....	9
42,780	25,972	144,351	500	9,534	8,433	567,078	43,196	1,226,173	615,899	1,307	1,180	.....	.....	127	200	10
1,560	600	18,717	500	2,358	1,240	105,646	2,472	194,158	86,040	10	.....	.....	.....	10	.....	11
41,220	25,372	125,634	.....	7,176	7,193	461,432	40,724	1,032,015	529,859	1,297	1,180	.....	.....	117	200	12
12,694	4,878	122,349	500	8,432	926	156,167	1,299	340,589	183,123	49	.....	35	.....	14	.....	13
1,800	.....	14,680	.....	1,476	62	10,795	228	48,600	37,577	5	.....	.....	.....	5	.....	14
13,200	350	17,900	.....	1,625	660	70,949	92	135,915	64,874	5	.....	.....	.....	5	3	15
9,360	1,650	31,984	1,200	6,001	157	23,206	631	90,210	66,373	9	.....	.....	.....	9	.....	16
150	100	2,682	.....	600	25	70,585	1,018	78,048	6,445	190	145	.....	.....	45	.....	17
32,736	13,482	256,445	5,600	9,373	3,573	190,577	9,382	646,203	446,244	510	201	159	.....	150	.....	18
3,000	1,586	32,291	1,500	8,360	846	86,730	575	192,418	105,113	13	.....	.....	.....	13	1	19
3,900	3,251	12,688	.....	1,800	383	32,268	667	64,513	31,578	7	.....	.....	.....	7	.....	20
4,960	520	20,438	500	2,224	204	9,749	410	49,875	39,716	5	.....	.....	.....	5	1	21
69,066	30,863	221,691	.....	1,800	260,908	536,128	71,124	1,547,833	940,581	3,065	3,046	5	.....	14	400	22
26,419	7,416	117,803	10,541	5,459	1,013	112,113	5,895	314,119	196,111	83	15	.....	.....	68	.....	23
2,808	16,635	161,997	271	7,652	2,284	187,178	6,838	441,072	247,056	679	520	84	.....	75	.....	24
12,114	1,460	73,591	.....	4,241	758	145,998	1,336	290,287	142,953	82	.....	49	.....	33	.....	25
.....	1,820	30,640	.....	4,506	582	73,008	832	156,848	83,008	31	.....	.....	.....	31	.....	26
14,490	9,402	60,308	.....	6,026	2,184	127,868	3,161	284,706	153,677	55	24	11	.....	20	2	27
2,706	572	23,159	.....	2,372	314	13,773	1,001	75,900	61,126	33	.....	20	.....	13	.....	28
19,811	2,287	30,432	.....	1,960	1,725	115,071	2,718	251,445	133,656	88	.....	73	.....	15	.....	29
28,922	5,157	43,817	970	13,335	2,338	147,040	320	476,730	329,370	57	.....	.....	.....	57	.....	30
.....	.....	1,630	.....	876	24	13,846	227	17,794	3,721	22	.....	15	.....	7	.....	31
18,220	13,886	53,415	.....	4,720	162	15,720	2,784	136,671	118,167	31	.....	.....	.....	31	.....	32
142,630	55,881	505,133	28,536	47,462	8,065	438,334	25,605	1,618,662	1,154,723	573	.....	65	.....	508	.....	33
135,530	39,906	505,133	18,411	46,486	8,014	437,711	25,605	1,578,045	1,114,729	573	.....	65	.....	508	.....	34
7,100	15,975	.....	10,125	976	51	623	.....	40,617	39,994	.....	.....	.....	.....	.....	.....	35
342,119	622,254	556,250	771,834	51,777	21,914	980,088	31,645	4,139,268	3,127,535	1,384	275	5	.....	1,104	.....	36
116,989	286,639	283,285	5,824	33,922	8,550	315,336	16,527	1,367,562	1,035,699	628	.....	.....	.....	628	.....	37
145,674	228,062	266,986	11,027	9,856	11,354	619,763	13,780	1,607,689	974,146	749	275	5	.....	469	.....	38
79,456	107,553	5,979	754,983	7,999	2,010	44,989	1,338	1,164,017	1,117,690	7	.....	.....	.....	7	.....	39
9,400	23,822	69,780	3,500	220	1,708	210,178	5,119	370,774	155,477	316	.....	24	.....	292	.....	40
10,396	10,040	66,786	100	6,896	20,819	110,391	626	244,913	133,896	8	.....	4	.....	4	.....	41
288,762	325,674	2,325,270	9,718	35,824	676,932	3,561,224	1,127,702	10,755,179	6,066,253	14,678	9,076	1,999	540	3,063	2,297	42

[1] Same number reported for one or more other months.

[2] Same number reported throughout the year.

Iron and steel, steel works and rolling mills	1
Lime	1
Millinery and lace goods, not elsewhere specified	2
Musical instruments, organs	1
Optical goods	3
Paints	1
Paper and wood pulp	1
Paving materials	1
Perfumery and cosmetics	2
Pickles and sauces	1
Pottery, earthen and stone ware	2
Printing and publishing music	1
Printing materials	1
Pumps, not including power pumps	1
Regalia and society badges and emblems	1
Sand-lime brick	1
Sausage, not made in slaughtering and meat-packing establishments	1
Shipbuilding, wooden, repair work only	2
Shirts	2
Signs and advertising novelties	1
Slaughtering and meat packing	5
Statuary and art goods	1
Stereotyping and electrotyping	2
Surgical appliances	2
Trunks and valises	2
Vinegar and cider	1
Window and door screens	1
Window shades and fixtures	1
Wirework	1

FLORIDA.

By F. W. Chase.

GENERAL STATISTICS.

General character of the state. — Florida was admitted to the Union as a state in 1845. With a gross area of 58,666 square miles, of which 54,861 represent land surface, it ranks twenty-first in size among the states. Its coast line—572 miles on the Atlantic and 674 miles on the Gulf—is longer than that of any other state. The inhabitants of Florida in 1900 numbered 528,542, and in 1910, 752,619; and the estimated population of the state in 1914 was 848,000. In total population Florida ranked thirty-third among the states in 1910; and in density of population it ranked thirty-seventh, with 13.7 inhabitants per square mile, the corresponding figure for 1900 being 9.6.

The urban population in 1910—that is, the population residing in incorporated places having 2,500 inhabitants or more—was 219,080, or 29.1 per cent of the total, as against 20.3 per cent in 1900. There were in the state in 1914 five cities, each with an estimated population of more than 10,000; Jacksonville, Key West, Pensacola, Tampa, and West Tampa. These cities, whose aggregate population in that year represented 20.8 per cent of the estimated total population of Florida, reported 42.7 per cent of the value of the state's manufactured products.

The steam-railway mileage of the state in 1914 was 5,120, and its electric-railway mileage in 1912 was 152. Furthermore, the numerous harbors on its long coast line, together with the inland waterway which connects Jacksonville with Biscayne Bay, give Florida exceptional facilities for water transportation.

The leading agricultural products of the state are fruits and nuts, of which its output in 1909 was valued at $7,711,582. In that year it ranked second only to California in value of orange and lemon crops.

The value of merchandise exported during the fiscal year 1914 from the 13 ports of entry comprised in the Florida customs district was $41,838,924. The leading port is Pensacola.

Importance and growth of manufactures.—Florida's manufactured products in 1914 were valued at $81,112,291, and the average number of wage earners employed in its manufacturing industries was 55,608. In that year the state ranked thirty-eighth in the United States in the former respect and thirtieth in the latter. Florida's proportion of the total manufactures of the United States in 1914 was insignificant—a trifle over three-tenths of 1 per cent. The state shows, however, an increase of 11.3 per cent over 1909.

Table 1 summarizes the more important data relative to all classes of manufactures combined in the state of Florida for the censuses of 1914, 1909, 1904, and 1899, and gives the percentages of increase from census to census.

Table 1	Manufacturing industries.				Per cent of increase.[1]		
	1914	1909	1904	1899	1909-1914	1904-1909	1899-1904
Number of establishments	2,518	2,159	1,413	1,275	16.6	52.8	10.8
Persons engaged	63,204	64,810	46,985	(2)	−2.5	37.9	.....
Proprietors and firm members	2,682	2,712	1,769	(2)	−1.1	53.3	.....
Salaried employees	4,914	4,625	3,125	1,781	6.2	48.0	75.5
Wage earners (average number)	55,608	57,473	42,091	35,471	−3.2	36.5	18.7
Primary horsepower	100,071	89,816	43,413	36,356	11.4	106.9	19.4
Capital	$88,318,983	$65,290,643	$32,971,982	$25,682,171	35.3	98.0	28.4
Salaries and wages	30,112,454	27,936,439	18,436,908	12,216,019	7.8	51.5	50.9
Salaries	5,290,131	4,954,867	2,669,726	1,299,576	6.8	85.6	105.4
Wages	24,822,323	22,981,572	15,767,182	10,916,443	8.0	45.8	44.4
Paid for contract work	1,057,998	1,316,755	556,925	(2)	−19.7	136.4	.....
Rent and taxes (including internal revenue)	2,419,075	1,993,014	[3] 339,898	(2)	21.4	.....	.....
Cost of materials	33,815,688	26,128,279	16,532,439	12,847,187	29.4	58.0	28.7
Value of products	81,112,291	72,889,650	50,298,290	34,183,509	11.3	44.9	47.1
Value added by manufacture (value of products less cost of materials)	47,296,603	46,761,380	33,765,851	21,336,322	1.1	38.5	58.2

[1] A minus sign (−) denotes decrease. [2] Figures not available. [3] Excluding internal revenue.

During the 15 years covered by Table 1 the manufacturing establishments of the state have nearly doubled in number. In 1899 there were only 1,275 manufacturing establishments, while 1914 shows 2,518, which gave employment to 63,204 persons during the year. Of this number, 55,608 were wage earners. It will be noted that while the average number of wage earners decreased 3.2 per cent in the last five-year period the wages increased 8 per cent. During the same period the number of establishments increased 16.6 per cent, and the capital invested, 35.3 per cent.

Table 2 shows the relative importance of the leading manufacturing industries in 1914, and gives percentages of increase for the three five-year periods from 1899 to 1914.

Table 2

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904
All industries	2,518	55,608	100.0	$81,112,291	100.0	$47,296,603	100.0	-3.2	36.5	18.7	11.3	44.9	47.1	1.1	38.5	58.2
Lumber and timber products	507	18,358	33.0	21,456,898	26.4	13,530,656	28.6	-4.5	64.8	13.3	2.8	60.8	12.0	-7.5	62.6	28.6
Tobacco, cigars and cigarettes	270	10,761	19.4	19,385,659	23.9	11,646,998	24.6	-12.4	27.2	51.6	-10.1	28.7	56.1	-9.6	26.8	69.1
Turpentine and rosin	508	15,466	27.8	9,573,083	11.8	6,989,518	14.8	-14.8	16.7	3.1	-19.8	20.6	53.0	-29.9	8.6	74.9
Fertilizers	22	781	1.4	6,995,051	8.6	2,339,010	4.9	32.6	143.4	106.8	80.4	143.9	218.0	133.0	278.5	56.8
Printing and publishing	235	1,220	2.2	3,017,140	3.7	2,214,448	4.7	34.8	66.7	33.7	61.7	63.8	88.9	54.7	64.8	94.0
Cars and general shop construction and repairs by steam-railroad companies	13	2,311	4.2	2,589,930	3.2	1,610,284	3.4	31.8	57.8	16.0	48.6	50.8	4.0	41.0	86.6	15.0
Ice, manufactured	92	760	1.4	2,202,769	2.7	1,586,118	3.4	64.8	56.3	24.5	82.5	76.5	59.8	92.8	60.4	71.6
Bread and other bakery products	184	672	1.2	2,169,320	2.7	977,167	2.1	65.9	42.6	85.6	67.9	72.7	146.1	83.6	60.2	114.2
Foundry and machine-shop products	87	694	1.2	1,408,416	1.7	874,454	1.8	36.6	.....	.....	68.2	.....	.....	72.7	.....	.....
Mineral and soda waters	114	271	0.5	1,049,518	1.3	492,401	1.0	61.3	.....	.....	103.9	116.3	152.1	54.5	97.0	171.1
Gas, illuminating and heating	14	349	0.6	1,049,132	1.3	710,946	1.5	66.2	.....	.....	79.3	86.3	84.7	76.4	73.0	80.6
Oil, cottonseed, and cake	4	118	0.2	1,016,186	1.3	195,718	0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Slaughtering and meat packing	11	54	0.1	925,386	1.1	136,687	0.3	.....	.....	.....	98.1	.....	.....	81.7	.....	.....
Shipbuilding, wooden, including boat building	65	486	0.9	804,399	1.0	523,998	1.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coffee, roasting and grinding	19	45	0.1	696,767	0.9	231,366	0.5	.....	.....	.....	166.0	114.8	.....	241.8	130.6	.....
Boxes, cigar	4	457	0.8	635,385	0.8	353,580	0.8	23.5	61.6	86.2	26.0	93.1	93.3	29.6	56.3	112.2
Cooperage	10	191	0.3	434,273	0.5	160,466	0.3	43.6	-0.7	.....	30.3	27.1	48.0	38.2	16.0	23.5
Canning and preserving	21	194	0.3	417,921	0.5	178,477	0.4	3.2	2.2	20.3	96.2	29.1	51.4	33.6	82.2	28.1
Copper, tin, and sheet-iron work	26	124	0.2	398,741	0.5	144,769	0.3	.....	.....	.....	280.0	-45.3	.....	136.8	-48.8	.....
Brick and tile	18	302	0.5	396,195	0.5	258,473	0.5	-31.2	3.3	64.7	4.5	59.9	75.6	-3.0	54.7	68.6
Carriages, wagons, and repairs	46	169	0.3	304,604	0.4	209,288	0.4	-26.5	17.3	37.1	-32.7	31.7	59.3	-13.6	10.0	85.8
Artificial stone products	59	197	0.4	304,587	0.4	173,634	0.4	58.9	.....	.....	41.9	117.2	.....	43.1	110.3	.....
Minerals and earths, ground	4	220	0.4	270,670	0.3	179,482	0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mattresses and spring beds	8	60	0.1	177,061	0.2	66,755	0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marble and stone work	14	47	0.1	170,941	0.2	103,864	0.2	.....	.....	.....	53.9	-44.0	.....	37.4	-40.5	.....
Liquors, distilled	3	11	(2)	166,813	0.2	128,682	0.3	.....	.....	.....	-33.5	.....	.....	-36.9	.....	.....
Flour-mill and gristmill products	13	22	(2)	166,237	0.2	32,206	0.1	.....	.....	.....	1.2	19.7	7.0	31.0	.....	13.6
All other industries	147	1,268	2.3	2,929,209	3.6	1,247,158	2.6	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 29; a minus sign (—) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures can not be given.
[2] Less than one-tenth of 1 per cent.

Separate statistics are presented for 27 industries, or industry groups, for each of which products valued at more than $150,000 were reported for 1914. These industries include 2 with products exceeding $10,000,000 in value, 3 with products between $3,000,000 and $10,000,000, 7 with products between $1,000,000 and $3,000,000, and 15 with products valued at less than $1,000,000. Among those included under the head of "all other industries" are a few which have products exceeding in value some for which figures are shown in this table but for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments, as follows: Bags, other than paper; malt liquors; wood distillation; and wood preserving.

The industries in this table are arranged in order of their importance as shown by value of products, but the arrangement would vary somewhat if based on average number of wage earners or value added by manufacture, lumber and timber products being the only one ranking the same in all three respects. Tobacco manufactures, second in importance as to value of products and value added by manufacture, was third in average number of wage earners; turpentine and rosin, third in value of products and value added by manufacture, was second in average number of wage earners; and fertilizers, fourth in value of products and value added by manufacture, was sixth in average number of wage earners.

In rank according to value of products, there were a few changes in 1914, as compared with 1909. Of the more important industries, turpentine and rosin, fertilizers, and printing and publishing held the same rank at both censuses, namely, third, fourth, and fifth; whereas tobacco, and lumber and timber, ranking first and second in 1909, reversed their order of importance in 1914. For the remainder of the industries only slight changes are noticeable.

Lumber and timber products.—This classification includes the operations of logging camps, sawmills, planing mills, and wooden-box factories. In 1914 this industry lead all others in the state, giving employment to almost a third of the total wage earners reported, and contributing more than a fourth of the total manufactures. Although there were fewer establishments in 1914 than in 1909, and a decrease of 4.5 per cent in average number of wage earners employed, the products increased in value 2.8 per cent. The period of greatest growth reported for the industry was from 1904 to 1909, when the percentages of increase for wage earners and value of products were 64.8 and 60.8, respectively.

Tobacco, cigars and cigarettes.—The figures shown for this industry embrace the establishments engaged primarily in the manufacture of cigars and cigarettes. The 270 establishments reported in 1914 gave employment to an average of 10,761 wage earners and manufactured products valued at $19,385,659. Meas-

ured by value of products, Florida ranked fifth among the states in this branch of the tobacco industry in 1914.

Turpentine and rosin.—Florida reported 45.6 per cent of the total value of turpentine and rosin produced in the United States in 1914, 47.2 per cent in 1909, and 41.4 per cent in 1904, occupying first place among the states in this industry for the three census years. The percentages of decrease over the 1909 figures for average number of wage earners, value of products, and value added by manufacture—14.8, 19.8, and 29.9, respectively—result in a measure from the depletion of the longleaf pine forests.

Fertilizers.—This industry has obtained its greatest development in the South Atlantic states, due to the existence there of phosphate mines and of the cottonseed-oil mills. In Florida there was an increase during the last five-year period of 10 establishments and $3,116,755 in value of products. For the decade this industry shows an increase of nearly 340 per cent in value of products.

Florida's marketed production of phosphate rock—one of the principal ingredients of phosphate—as compiled by the Geological Survey for the year 1914, was 2,138,891 long tons, valued at $7,355,000, or 78 per cent of the entire production of the United States. The production marketed in 1913 was 2,545,276 long tons, valued at $9,563,084. This decrease of 16 per cent in quantity and 23 per cent in value is accounted for by the fact that the shipment of phosphate rock to European countries had almost entirely ceased during the autumn of 1914.

Printing and publishing.—This industry includes book and job printing and the printing and publishing of newspapers and periodicals. Measured by value of products, this industry ranked fifth in importance among the manufacturing interests of the state, both in 1914 and 1909. There were 61 more establishments in 1914 than in 1909, and wage earners and value of products advanced 34.8 per cent and 61.7 per cent, respectively, during the five-year period.

Persons engaged in manufacturing industries.—Table 3 shows, for 1909 and 1914, the number of persons engaged in manufactures, distributed by sex, the average number of wage earners being distributed also by age. The sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms."

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Total.	Male.	Female.	Per cent of total. Male.	Female.
All classes	1914	63,204	59,739	3,465	94.5	5.5
	1909	64,810	61,500	3,310	94.9	5.1
Proprietors and officials	1914	4,620	4,546	74	98.4	1.6
	1909	4,614	4,541	73	98.4	1.6
Proprietors and firm members	1914	2,682	2,620	62	97.7	2.3
	1909	2,712	2,652	60	97.8	2.2
Salaried officers of corporations	1914	546	537	9	98.4	1.6
	1909	469	462	7	98.5	1.5
Superintendents and managers	1914	1,392	1,389	3	99.8	0.2
	1909	1,433	1,427	6	99.6	0.4
Clerks and other subordinate salaried employees.	1914	2,976	2,718	258	91.3	8.7
	1909	2,723	2,539	184	93.2	6.8
Wage earners (average number)	1914	55,608	52,475	3,133	94.4	5.6
	1909	57,473	54,420	3,053	94.7	5.3
16 years of age and over	1914	54,951	51,871	3,080	94.4	5.6
	1909	56,532	53,520	3,012	94.7	5.3
Under 16 years of age	1914	657	604	53	91.9	8.1
	1909	941	900	41	95.6	4.4

Of the 63,204 persons engaged in the manufactures of the state during 1914, 55,608, or nearly nine-tenths, were wage earners, 51,871 being males 16 years of age and over and 604 males below that age. Female wage earners under 16 years of age numbered only 53 in 1914 and 41 in 1909. Clerks and other subordinate salaried employees, numbering 2,976, showed a larger proportion of females than any other class, 8.7 per cent, as compared with 6.8 per cent in 1909. The 4,620 proprietors and officials were distributed in the proportions of 98.4 per cent male, as against 1.6 per cent female. Figures for the sex and age distribution of wage earners will be found in Table 30.

Table 4 gives, for the several classes of persons engaged in manufactures, the percentages of increase from 1909 to 1914 and the per cent distribution at the two censuses.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Per cent of increase,[1] 1909–1914. Total.	Male.	Female.	Per cent distribution. Total. 1914	Total. 1909	Male. 1914	Male. 1909	Female. 1914	Female. 1909
All classes	−2.5	−2.9	4.7	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	0.1	0.1	.....	7.3	7.1	7.6	7.4	2.1	2.2
Proprietors and firm members	−1.1	−1.2	.....	4.2	4.2	4.4	4.3	1.8	1.8
Salaried officers of corporations	16.4	16.2	.....	0.9	0.7	0.9	0.8	0.3	0.2
Superintendents and managers	−2.9	−2.7	.....	2.2	2.2	2.3	2.3	0.1	0.2
Clerks and other subordinate salaried employees	9.3	7.1	40.2	4.7	4.2	4.5	4.1	7.4	5.6
Wage earners (average number)	−3.2	−3.6	2.6	88.0	88.7	87.8	88.5	90.4	92.2
16 years of age and over	−2.8	−3.1	2.3	86.9	87.2	86.8	87.0	88.9	91.0
Under 16 years of age	−30.2	−32.9	.....	1.0	1.5	1.0	1.5	1.5	1.2

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

This table shows a decrease during the five-year period for each of the several classes of employees, with the exception of salaried officials, and clerks and other subordinate salaried employees. The largest percentage of decrease for both sexes combined, 30.2, is shown for wage earners under 16 years of age. Wage earners 16 years of age and over, representing 86.9 per cent of the total number of persons engaged in manufacturing industries in the state in 1914, decreased 2.8 per cent during the five years.

In order to compare the distribution of persons engaged in manufactures in 1914 with that shown at the census of 1904, it is necessary to use the classification employed at the earlier census. (See "Explanation of terms.") Table 5 makes this comparison according to occupational status.

Table 5

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.							
	Number.			Per cent distribution.			Per cent of increase.[1]	
	1914	1909	1904	1914	190	1904	1909–1914	1904–1909
Total	63,204	64,810	46,985	100.0	100.0	100.0	−2.5	37.9
Proprietors and firm members	2,682	2,712	1,769	4.2	4.2	3.8	−1.1	53.3
Salaried employees	4,914	4,625	3,125	7.8	7.1	6.7	6.2	48.0
Wage earners (average)	55,608	57,473	42,091	88.0	88.7	89.6	−3.2	36.5

[1] A minus sign (−) denotes decrease.

Salaried employees show an increase at each census, although much the greater for the five-year period 1904–1909. The other two classes show small decreases for the five-year period 1909–1914.

The average number of wage earners employed and their per cent distribution as males 16 years of age and over, females 16 years of age and over, and children under 16 years of age are given in Table 6 for 1914, 1909, and 1904. The table also shows for some of the important industries separately, a similar distribution of wage earners for 1914 and 1909.

The decrease of 1,865 in the average number of wage earners employed in all industries is traceable to the turpentine and rosin industry, which reported 2,677 fewer wage earners in 1914 than in 1909. The proportion of male wage earners 16 years of age and over shows but a slight change from census to census, while the proportion of adult females shows a slight increase. There was a decrease in the proportion of children under 16 years of age as reported at the last census, although an increase was shown at the previous census.

Of the 13 industries for which separate figures are given in this table, tobacco manufactures and the cigar-box industry are the only ones which furnish employment to women to any considerable extent, more than two-thirds of the women employed in manufactures being reported by these two industries. The wage earners under 16 years of age in Florida are employed principally in the lumber and timber, and the turpentine and rosin industries, these two industries employing over 60 per cent of the total number; while the per cent distribution for the latter industry is slightly in excess of that for 1909, the actual number employed is less—306 children being reported in 1909 and 286 in 1914.

Table 6

INDUSTRY.	Census year.	WAGE EARNERS.			
		Average number.[1]	Per cent of total.		
			16 years of age and over.		Under 16 years of age.
			Male.	Female.	
All industries	1914	55,608	93.3	5.5	1.2
	1909	57,473	93.1	5.2	1.6
	1904	42,091	94.2	5.0	0.8
Boxes, cigar	1914	457	50.1	42.9	7.0
	1909	370	54.0	42.4	3.5
Bread and other bakery products	1914	672	83.0	15.2	1.8
	1909	405	83.7	11.1	5.2
Brick and tile	1914	302	96.0	.....	4.0
	1909	439	94.1	.....	5.9
Cars and general shop construction and repairs by steam-railroad companies	1914	2,311	99.8	0.1	(2)
	1909	1,753	99.6	0.1	0.3
Fertilizers	1914	781	99.5	0.5	.....
	1909	589	98.6	0.3	1.0
Foundry and machine-shop products	1914	694	99.7	.....	0.3
	1909	508	99.8	.....	0.2
Gas, illuminating and heating	1914	349	100.0	.....	.....
	1909	210	100.0	.....	.....
Ice, manufactured	1914	760	99.9	.....	0.1
	1909	461	100.0	.....	.....
Lumber and timber products	1914	18,358	98.8	0.5	0.6
	1909	19,227	98.4	0.2	1.3
Printing and publishing	1914	1,220	80.4	12.4	7.2
	1909	905	81.8	14.7	3.5
Shipbuilding, wooden, including boat building	1914	486	99.6	.....	0.4
	1909	482	99.8	.....	0.2
Tobacco, cigars and cigarettes	1914	10,761	78.4	21.1	0.5
	1909	12,280	78.2	20.1	1.8
Turpentine and rosin	1914	15,466	97.8	0.3	1.8
	1909	18,143	98.2	0.1	1.7
All other industries	1914	2,991	91.6	6.8	1.6
	1909	1,701	88.2	8.6	3.2

[1] For method of estimating the distribution of the average number by sex and age periods, for all industries combined, see "Explanation of terms."
[2] Less than one-tenth of 1 per cent.

Table 7 shows the average number and the per cent distribution of wage earners employed in each of the five cities having more than 10,000 inhabitants, classified according to age periods, and in the case of those 16 years of age and over, according to sex, for 1914, 1909, and 1904.

Table 8 gives percentages of increase from census to census, based on the figures in Table 7, for cities where per cent of increase can be computed.

The figures for Tampa and Pensacola do not agree with those published in 1909, because at that census the data given for Tampa included West Tampa, while the figures shown for Pensacola included data for establishments subsequently reported as outside the corporate limits of the city.

Table 7 — SEX AND AGE.	Census year.	AVERAGE NUMBER OF WAGE EARNERS IN— Jacksonville.	Key West.	Pensacola.	Tampa.	West Tampa.
Total	1914	2,816	2,037	835	7,055	2,718
	1909	1,988	2,431	[1] 940	[1] 6,786	.....
	1904	2,650	2,466	1,206	5,831	.....
16 years of age and over:						
Male	1914	2,596	1,612	782	5,455	2,194
	1909	1,836	1,906	[1] 892	[1] 5,443	.....
	1904	2,476	2,021	1,192	4,874	.....
Female	1914	202	394	13	1,523	520
	1909	128	508	[1] 27	[1] 1,128	.....
	1904	96	439	5	943	.....
Under 16 years of age	1914	18	31	40	77	4
	1909	24	17	21	[1] 215	.....
	1904	78	6	9	14	.....
Per cent of total:						
16 years of age and over—						
Male	1914	92.2	79.1	93.6	77.3	80.7
	1909	92.4	78.4	94.9	80.2	.....
	1904	93.4	82.0	98.8	83.6	.....
Female	1914	7.2	19.3	1.6	21.6	19.1
	1909	6.4	20.9	2.9	16.6	.....
	1904	3.6	17.8	0.4	16.2	.....
Under 16 years of age	1914	0.6	1.5	4.8	1.1	0.1
	1909	1.2	0.7	2.2	3.2	.....
	1904	2.9	0.2	0.7	0.2	.....

[1] Figures do not agree with those published because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

The proportion of male wage earners 16 years of age and over is greatly in excess of that for females in each city. Of the total wage earners employed in the five cities combined, males 16 years of age and over formed 81.7 per cent and females 17.2 per cent. For the cities showing comparable figures the number of wage earners under 16 years of age in 1909 was 277, while in 1914 there were but 166, a decrease of 40.1 per cent. Tampa, the most important city in point of wage earners and value of products, shows a decrease of 64.2 per cent in the number of children employed. Tampa's gain of 39.6 per cent in total number of wage earners is due almost entirely to the increase in the number of adult females.

Table 8 — CITY.	PER CENT OF INCREASE IN AVERAGE NUMBER OF WAGE EARNERS.[1] Period.	Total.	16 years of age and over. Male.	Female.	Under 16 years of age.
Jacksonville	1904–1914	6.3	4.8	.....	.....
	1909–1914	41.6	41.4	57.8	.....
	1904–1909	−25.0	−25.8	.....	.....
Key West	1904–1914	−17.4	−20.2	−10.2	.....
	1909–1914	−16.2	−15.4	−22.4	.....
	1904–1909	−1.4	−5.7	15.7	.....
Pensacola	1904–1914	−30.8	−34.4	.....	.....
	1909–1914	−11.2	−12.3	.....	.....
	1904–1909	−22.1	−25.2	.....	.....
Tampa	1904–1914	21.0	11.9	61.5	.....
	1909–1914	4.0	0.2	35.0	−64.2
	1904–1909	16.4	11.7	19.6	.....

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

In Jacksonville, where the total number of wage earners increased 41.6 per cent, the rate of increase for females exceeded that reported for males, but the actual gain in the number of male wage earners was ten times that shown for females. For the period 1904–1914 all cities show decreases in the proportion of adult males and corresponding increases in the proportion of adult females.

Wage earners employed, by months.—The following table gives for all industries combined the total number of wage earners employed on the 15th of each month, or the nearest representative day, for 1914 and 1909, and the average number employed during each month in 1904, together with the percentage which the number reported for each month forms of the greatest number reported for any month.

Table 9 — MONTH.	WAGE EARNERS IN MANUFACTURING INDUSTRIES. Number.[1] 1914	1909	1904	Per cent of maximum. 1914	1909	1904
January	55,647	56,016	40,765	96.3	92.3	94.2
February	55,851	56,414	41,530	96.7	93.0	96.0
March	56,595	56,596	42,541	98.0	93.3	98.3
April	57,066	56,371	42,871	98.8	92.9	99.1
May	56,968	56,858	43,267	98.6	93.7	100.0
June	56,764	56,195	42,040	98.3	92.6	97.2
July	57,775	56,182	42,407	100.0	92.6	98.0
August	55,924	56,276	41,821	96.8	92.8	96.7
September	55,071	58,035	41,980	95.3	95.7	97.0
October	55,354	59,487	42,165	95.8	98.1	97.5
November	52,087	60,661	42,229	90.2	100.0	97.6
December	52,194	60,587	41,476	90.3	99.9	95.9

[1] The figures for 1914 and 1909 represent the number employed on the 15th of each month, or the nearest representative day; those for 1904, the average number employed during the month.

For 1914 the greatest activity in the manufacturing industries of the state was from March to July. The year 1909 shows a different season, the period of greatest industrial activity being from October to December. The greatest difference between the maximum and the minimum months in any one of the three census years was 5,688 in 1914.

Table 10 gives the total average number of wage earners employed during 1914, together with the total number employed on the 15th of each month, or the nearest representative day, for the combined industries of the state, for a number of selected industries, and for the total industries of each of the five cities having more than 10,000 inhabitants.

The industries shown in this table indicate no wide variation between the months of greatest and least employment. The manufacture of fertilizers shows the greatest degree of fluctuation, the number of wage earners in August being but 45.4 per cent of the number in February. This fluctuation, however, occurs in all seasonal industries. Bakeries furnish the most steady employment, the proportion which the minimum formed of the maximum being 93.6 per cent.

Of the five cities, Pensacola reflects the greatest stability in employment of wage earners, and Key West, the least, the percentage which the minimum formed of the maximum in these two cities being 91.1 and 73.2, respectively.

Table 10

WAGE EARNERS: 1914.
[Month of maximum employment for each industry is indicated by **boldface** figures and that of minimum by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	Number employed on 15th day of the month or nearest representative day.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	55,608	55,647	55,851	56,595	57,066	56,968	56,764	57,775	55,924	55,071	55,354	*52,087*	52,194	90.2
Boxes, cigar	457	415	422	443	429	458	435	465	504	552	513	482	*306*	66.3
Bread and other bakery products	672	684	692	693	678	689	659	*649*	651	665	667	662	675	93.6
Brick and tile	302	231	*216*	311	318	339	334	322	316	327	338	324	248	63.7
Cars and general shop construction and repairs by steam-railroad companies	2,311	2,419	2,365	2,400	2,370	2,371	2,197	2,494	2,397	2,242	2,166	*2,147*	2,164	86.1
Fertilizers	781	1,084	1,219	1,115	719	731	693	592	*553*	710	588	626	742	45.4
Foundry and machine-shop products	694	684	686	687	678	*661*	702	714	717	722	682	684	711	91.6
Gas, illuminating and heating	349	280	309	339	493	493	448	304	321	329	312	*269*	291	54.6
Ice, manufactured	760	702	*695*	709	755	798	835	861	826	796	734	707	702	80.7
Lumber and timber products	18,358	18,937	19,004	18,723	19,088	18,860	18,736	18,758	17,996	17,926	18,017	*16,158*	18,093	84.7
Printing and publishing	1,220	1,248	1,241	1,241	1,197	1,193	1,165	*1,153*	1,155	1,202	1,273	1,284	1,288	89.5
Shipbuilding, wooden, including boat building	486	538	481	501	483	514	448	*413*	470	431	602	524	427	68.6
Tobacco, cigars and cigarettes	10,761	*9,919*	9,964	10,397	10,302	10,065	10,290	11,395	11,425	11,769	12,072	11,548	9,986	82.2
Turpentine and rosin	15,466	15,412	15,502	16,102	16,651	16,926	16,988	16,726	15,741	14,523	14,178	13,554	*13,289*	78.2
All other industries	2,991	3,094	3,055	2,934	2,905	2,870	*2,834*	2,929	2,852	2,877	3,212	3,118	3,212	88.2
Total for cities	15,461	14,680	14,769	15,118	14,940	14,871	15,074	16,177	16,201	16,547	16,768	15,970	*14,417*	86.0
JACKSONVILLE	2,816	2,996	3,064	2,921	2,684	2,799	2,742	2,812	2,766	2,774	2,864	*2,651*	2,719	86.5
KEY WEST	2,037	2,156	2,071	2,049	1,912	1,808	1,854	2,097	2,199	2,253	2,306	2,050	*1,689*	73.2
PENSACOLA	835	801	*797*	812	828	820	843	875	870	861	823	823	867	91.1
TAMPA	7,055	*6,431*	6,441	6,562	6,801	6,836	7,006	7,624	7,478	7,723	7,748	7,403	6,607	83.0
WEST TAMPA	2,718	*2,296*	2,396	2,774	2,715	2,608	2,629	2,769	2,888	2,936	3,027	3,043	2,535	75.5

Prevailing hours of labor.—In Table 11 the average number of wage earners reported for 1914 and 1909, for all industries combined and for selected industries throughout the state, have been classified according to number of hours of labor per week prevailing in the establishments in which they were employed. A similar classification is given, for 1914 only, for all industries combined in each city having more than 10,000 inhabitants. The number employed in each establishment is classified as a total, even though a few employees worked a greater or smaller number of hours.

Table 11

AVERAGE NUMBER OF WAGE EARNERS.

INDUSTRY AND CITY.	Census year.	Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
All industries	1914	55,608	9,379	2,672	7,583	1,502	24,739	8,406	927	400
	1909	57,473	13,214	4,379	6,467	1,505	22,766	8,568	316	258
Boxes, cigar	1914	457	38	.....	419	.....	.....	.....	.....	.....
	1909	370	.....	.....	370	.....	.....	.....	.....	.....
Bread and other bakery products	1914	672	33	4	81	67	309	86	19	13
	1909	405	30	.....	22	8	237	69	21	18
Brick and tile	1914	302	13	2	.....	35	252	.....	.....	.....
	1909	439	.....	20	.....	89	239	82	.....	.....
Cars and general shop construction and repairs by steam-railroad companies	1914	2,311	16	.....	982	.....	424	889	.....	.....
	1909	1,753	350	346	465	.....	367	225	.....	.....
Fertilizers	1914	781	4	.....	271	100	399	.....	.....	7
	1909	589	.....	.....	.....	12	562	15	.....	.....
Foundry and machine-shop products	1914	694	60	8	444	20	124	27	2	.....
	1909	508	50	71	144	23	220	.....	.....	.....
Gas, illuminating and heating	1914	349	.....	.....	5	9	61	260	6	8
	1909	210	.....	.....	115	7	4	56	.....	28
Ice, manufactured	1914	760	17	2	39	120	44	119	61	358
	1909	461	13	3	18	36	69	25	87	210
Lumber and timber products	1914	18,358	708	180	888	408	10,384	5,594	196	.....
	1909	19,227	238	999	440	730	9,397	7,418	95	.....
Printing and publishing	1914	1,220	604	102	349	142	23	.....	.....	.....
	1909	905	408	39	314	93	43	7	1	.....
Shipbuilding, wooden, including boat building	1914	486	342	.....	110	.....	34	.....	.....	.....
	1909	482	23	6	164	.....	289	.....	.....	.....
Tobacco, cigars and cigarettes	1914	10,761	1,247	861	2,706	189	4,260	985	513	.....
	1909	12,280	3,466	832	3,248	337	3,962	426	9	.....
Turpentine and rosin	1914	15,466	5,883	1,155	476	255	7,294	387	16	.....
	1909	18,143	8,344	1,983	635	147	6,859	149	26	.....
All other industries	1914	2,991	414	358	813	148	1,071	59	114	14
	1909	1,701	292	71	532	23	608	96	77	2
Total for cities	1914	15,461	1,996	1,248	4,626	607	4,868	1,398	597	121
JACKSONVILLE	1914	2,816	634	394	597	181	715	199	57	39
KEY WEST	1914	2,037	120	144	519	25	541	173	513	2
PENSACOLA	1914	835	102	7	514	26	98	26	8	54
TAMPA	1914	7,055	957	363	2,553	370	2,131	636	19	26
WEST TAMPA	1914	2,718	183	340	443	5	1,383	364	.....	.....

During the five years 1909 to 1914 the number of wage earners employed in establishments operating less than 60 hours per week decreased by 4,429, while the number in establishments operating more than 60 hours per week increased by 2,564. In 1914, 82.5 per cent of all wage earners were employed in establishments where the prevailing hours of labor were 60 or less, and 17.5 per cent in those operating 60 or more per week. The corresponding percentages for 1909 were 84.1 and 15.9, respectively.

Among the separate industries, lumber is the only one which shows any tendency toward a decrease in hours of labor. In 1909, 39.1 per cent of the wage earners in this industry were employed in establishments where the prevailing hours of labor were between 60 and 72, inclusive, while in 1914 the proportion thus employed decreased to 31.5 per cent. In 1909, 60.9 per cent of the wage earners in this industry were employed in establishments where the prevailing hours were 60 or fewer per week, but in 1914 this proportion increased to 68.5 per cent.

Of the combined total for the five cities—15,461 in 1914—13,345, or 86.3 per cent, were in establishments where the prevailing hours were 60 or fewer per week, while only 2,116 were in establishments in which the hours were more than 60 per week.

In the cities a greater proportion of wage earners is found in establishments operating less than 60 hours per week than is reported for those where the longer working day obtains.

Pensacola shows 74.6 per cent of wage earners in establishments in which the prevailing hours were 48 to 54, while only 10.6 per cent were in establishments where the hours were more than 60 per week. In Jacksonville and Tampa over one-half of the wage earners were in establishments where the prevailing hours were 54 and under. West Tampa shows the largest proportion in the 60-hour group; 1,383, or practically one-half of the wage earners, are reported in this group.

Location of establishments.—Table 12 shows, for 1914, 1909, and 1899, the extent to which the manufactures in Florida were centralized in the cities having more than 10,000 inhabitants.

During the 15 years covered by the table there has been a substantial increase in the value of manufactures in both the urban and rural districts of the state, although a relative loss in the proportion reported by rural communities. The decrease of 1,865, between 1909 and 1914, in the total average number of wage earners, was confined to localities outside the cities.

Table 12

	Census year.	Aggregate.	Cities having a population of 10,000 or over.						Districts outside of cities having a population of 10,000 or over.	
			Total.		10,000 to 25,000.		25,000 to 100,000.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places	1914	.....	5	.....	2	.....	3	.....	.....	.....
	1910	.....	4	.....	2	.....	2	.....	.....	.....
	1900	.....	4	.....	3	.....	1	.....	.....	.....
Population [1]	1914	848,111	176,463	20.8	31,922	3.8	144,541	17.0	671,648	79.2
	1910	752,619	138,408	18.4	42,927	5.7	95,481	12.7	614,211	81.6
	1900	528,542	79,677	15.1	51,248	9.7	28,429	5.4	448,865	84.9
Number of establishments	1914	2,518	534	21.2	95	3.8	439	17.4	1,984	78.8
	1909	2,159	411	19.0	115	5.3	296	13.7	1,748	81.0
	1899	1,275	229	18.0	155	12.2	74	5.8	1,046	82.0
Average number of wage earners	1914	55,608	15,461	27.8	4,755	8.6	10,706	19.2	40,147	72.2
	1909	57,473	12,145	21.1	3,371	5.9	8,774	15.3	45,328	78.9
	1899	35,471	7,544	21.3	6,306	17.8	1,238	3.5	27,927	78.7
Value of products	1914	$81,112,291	$34,614,599	42.7	$8,595,676	10.6	$26,018,923	32.1	$46,497,692	57.3
	1909	72,889,659	26,328,853	36.1	5,802,826	8.0	20,526,027	28.2	46,560,806	63.9
	1899	34,183,509	13,022,947	38.1	11,224,340	32.8	1,798,607	5.3	21,160,562	61.9
Value added by manufacture	1914	47,296,603	18,959,817	40.1	5,217,939	11.0	13,741,878	29.1	28,336,786	59.9
	1909	46,761,380	13,976,818	29.9	3,300,866	7.1	10,675,952	22.8	32,784,562	70.1
	1899	21,336,322	7,118,431	33.4	6,125,527	28.7	992,904	4.7	14,217,891	66.6

[1] Census estimate of population for 1914.

The relative importance in manufactures of each of the five cities having more than 10,000 inhabitants, as measured by average number of wage earners and by value of products in 1914, 1909, and 1904, is shown in Table 13. The cities are listed in the order of their importance as shown by value of products. Comparative figures are not available for West Tampa, as it had less than 10,000 population prior to 1914.

Table 13

City.	Average number of wage earners.			Value of products.		
	1914	1909	1904	1914	1909	1904
Tampa	7,055	[1] 6,786	5,831	$14,038,917	$13,803,751	$11,264,123
Jacksonville	2,816	1,988	2,650	10,147,679	6,722,276	5,340,264
West Tampa	2,718	.....	.....	5,206,650	.....	.....
Key West	2,037	2,431	2,466	3,389,026	3,965,364	4,254,024
Pensacola	835	[1] 940	1,206	1,832,327	1,837,462	1,936,751

[1] Figures do not agree with those published because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

Tampa is the leading industrial city in Florida, although it takes second rank in population. The chief industry in this city is the manufacture of cigars and cigarettes, the value of which amounted to $10,330,000 in 1914. West Tampa and Key West also have large cigar factories and rank second and third, respectively, in this industry for the state. Jacksonville has a diversity of industries, the most important being fertilizers, printing and publishing, the manufacture of artificial ice, and bread and bakery products. In Pensacola no single industry contributes any great proportion of the total value of products, but there are numerous industries reporting products valued at more than $100,000.

Character of ownership.—Table 14 presents statistics concerning character of ownership or legal organization, of manufacturing enterprises. For all industries combined comparative figures are given for 1914, 1909, and 1904; for selected industries, statistics for 1914 and 1909 are shown; and for individual cities the figures are for all industries combined and relate only to 1914. In order to avoid disclosing the operations of individual establishments it is necessary to omit several important industries from this table.

Table 14

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.							Value of products.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1914	1,210	628	680	55,608	9,004	34,970	11,634	16.2	62.9	20.9	$81,112,291	$11,082,871	$58,337,964	$11,691,456	13.7	71.9	14.4
	1909	951	501	707	57,473	9,520	31,589	16,364	16.6	55.0	28.4	72,889,659	10,807,500	45,815,852	16,266,307	14.8	62.9	22.4
	1904	609	308	496	42,091	8,306	19,024	14,761	19.7	45.2	35.1	50,298,290	8,612,316	27,239,766	14,446,208	17.1	54.2	28.7
Bread and other bakery products.	1914	144	8	32	672	395	177	100	58.8	26.3	14.9	2,169,320	1,322,267	491,551	355,502	61.0	22.6	16.4
	1909	90	1	22	405	287	.....	[1] 118	70.9	.....	29.1	1,291,849	934,811	.....	[1] 357,038	72.4	.....	27.6
Brick and tile	1914	2	10	6	302	.....	239	[2] 63	.....	79.1	20.9	396,195	.....	340,569	[2] 55,626	.....	86.0	14.0
	1909	8	15	6	439	75	327	37	17.1	74.5	8.4	379,021	74,011	281,129	23,881	19.5	74.2	6.3
Cars and general shop construction and repairs by steam-railroad companies.	1914	.....	13	.....	2,311	.....	2,311	.....	.....	100.0	.....	2,589,930	.....	2,589,930	.....	.....	100.0	.....
	1909	.....	12	.....	1,753	.....	1,753	.....	.....	100.0	.....	1,742,579	.....	1,742,579	.....	.....	100.0	.....
Fertilizers	1914	2	19	1	781	[3] 18	763	.....	2.3	97.7	.....	6,995,051	[3] 63,095	6,931,956	.....	0.9	99.1	.....
	1909	.....	12	.....	589	.....	589	.....	.....	100.0	.....	3,878,296	.....	3,878,296	.....	.....	100.0	.....
Foundry and machine-shop products.	1914	41	22	24	694	163	399	132	23.5	57.5	19.0	1,408,416	344,969	793,638	269,809	24.5	56.3	19.2
	1909	15	13	8	508	114	371	23	22.4	73.0	4.5	837,411	193,681	593,387	50,343	23.1	70.8	6.0
Ice, manufactured	1914	14	66	12	760	58	650	52	7.6	85.5	6.8	2,202,769	138,364	1,919,727	144,678	6.3	87.2	6.6
	1909	18	41	11	461	87	301	73	18.9	65.3	15.8	1,206,874	180,276	876,931	149,667	14.9	72.7	12.4
Lumber and timber products.	1914	248	136	123	18,358	2,597	13,384	2,377	14.1	72.9	12.9	21,456,898	2,828,165	16,021,578	2,607,155	13.2	74.7	12.2
	1909	252	124	139	19,227	2,849	13,812	2,566	14.8	71.8	13.3	20,863,016	3,406,787	14,595,645	2,860,584	16.3	70.0	13.7
Printing and publishing	1914	124	71	40	1,220	307	735	178	25.2	60.2	14.6	3,017,140	658,332	1,987,762	371,046	21.8	65.9	12.3
	1909	109	41	24	905	273	560	72	30.2	61.9	8.0	1,865,848	476,367	1,271,805	117,676	25.5	68.2	6.4
Shipbuilding, wooden, including boat building.	1914	48	5	12	486	127	326	33	26.1	67.1	6.8	804,399	244,042	496,281	64,076	30.3	61.7	8.0
	1909	29	6	17	482	94	332	56	19.5	68.9	11.6	696,644	156,543	432,464	107,637	22.5	62.1	15.4
Tobacco, cigars and cigarettes.	1914	159	52	59	10,761	1,159	8,196	1,406	10.8	76.2	13.1	19,385,659	1,653,615	15,338,842	2,393,202	8.5	79.1	12.3
	1909	115	55	59	12,280	865	8,199	3,216	7.0	66.8	26.2	21,575,021	1,231,961	15,107,103	5,235,957	5.7	70.0	24.3
Turpentine and rosin	1914	153	100	255	15,466	3,425	5,292	6,749	22.1	34.2	43.6	9,573,083	1,961,374	3,588,009	4,023,700	20.5	37.5	42.0
	1909	161	90	342	18,143	4,255	3,996	9,892	23.5	22.0	54.5	11,937,518	2,657,523	2,828,469	6,451,526	22.3	23.7	54.0
Total for cities	1914	257	160	117	15,461	1,620	11,869	1,972	10.5	76.8	12.8	34,614,599	3,106,188	27,744,674	3,763,737	9.0	80.2	10.9
Jacksonville	1914	79	65	29	2,816	349	2,369	98	12.4	84.1	3.5	10,147,679	712,743	9,195,496	239,440	7.0	90.6	2.4
Key West	1914	33	14	18	2,037	76	1,629	332	3.7	80.0	16.3	3,389,026	144,028	2,777,174	467,824	4.2	81.9	13.8
Pensacola	1914	29	21	14	835	122	625	88	14.6	74.8	10.5	1,832,327	345,689	1,224,775	261,863	18.9	66.8	14.3
Tampa	1914	105	48	49	7,055	993	4,835	1,227	14.1	68.5	17.4	14,038,917	1,724,986	9,943,339	2,370,592	12.3	70.8	16.9
West Tampa	1914	11	12	7	2,718	80	2,411	227	2.9	88.7	8.4	5,206,650	178,742	4,603,890	424,018	3.4	88.4	8.1

[1] Includes the group "corporations." [2] Includes the group "individuals." [3] Includes the group "all others."

In 1914 the number of establishments under corporate ownership represented but 24.9 per cent of the total, but this class reported 71.9 per cent of the total value of products and 62.9 per cent of the total average number of wage earners; in 1909 and 1904 the corresponding proportions were considerably less. The proportions of average number of wage earners and value of products reported by corporations have been greater at each successive census. Each of the 11 industries for which separate statistics are given except bread and bakery products and the turpentine and rosin industry, reports the largest proportion of the total value of products for establishments under corporate ownership. This condition prevailed also in 1914 in each of the five cities. Here, however, a greater proportion of the establishments are under corporate ownership.

Size of establishments.—The tendency for manufacturing to become concentrated in large establishments is indicated by the statistics in Table 15.

Table 15 — VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
All classes	2,518	2,159	1,413	55,608	57,473	42,091	$81,112,291	$72,889,659	$50,298,290	$47,296,603	$46,761,380	$33,765,851
Less than $5,000	903	623	388	1,826	1,387	656	2,214,019	1,547,102	905,782	1,419,336	1,062,701	619,408
$5,000 to $20,000	1,007	871	469	11,493	11,393	6,375	10,656,555	9,818,056	5,387,587	7,001,129	7,255,477	4,130,772
$20,000 to $100,000	450	527	456	14,829	18,613	18,105	19,438,464	20,734,942	16,819,502	11,812,820	14,123,529	12,853,615
$100,000 to $1,000,000	153	134	100	25,206	23,509	16,955	42,959,461	36,332,890	27,185,419	24,017,676	21,369,589	16,162,056
$1,000,000 and over	5	4	.....	2,254	2,571	.....	5,843,792	4,456,669	.....	3,045,642	2,950,084	.....
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	35.9	28.9	27.5	3.3	2.4	1.6	2.7	2.1	1.8	3.0	2.3	1.8
$5,000 to $20,000	40.0	40.3	33.2	20.7	19.8	15.1	13.1	13.5	10.7	14.8	15.5	12.2
$20,000 to $100,000	17.9	24.4	32.3	26.7	32.4	43.0	24.0	28.4	33.4	25.0	30.2	38.1
$100,000 to $1,000,000	6.1	6.2	7.1	45.3	40.9	40.3	53.0	49.8	54.0	50.8	45.7	47.9
$1,000,000 and over	0.2	0.2	.....	4.1	4.5	.....	7.2	6.1	.....	6.4	6.3	.....

In 1914, 158 establishments, or 6.3 per cent of the total number in the state, each reported products exceeding $100,000 in value, as compared with 138, or 6.4 per cent of the total, in 1909, and 100, or 7.1 per cent, for 1904. The decrease in the number of establishments is, however, compensated for by the increased value of the output of these establishments, as shown at each successive census, their proportion of the total being 54 per cent in 1904, 55.9 per cent in 1909, and 60.2 per cent in 1914. The smaller establishments—those having products less than $20,000 in value—represented 75.9 per cent of the total number of establishments in 1914 but reported only 15.8 per cent of the total value of products.

Table 16 gives, for 1914 and 1909, for five of the more important industries, a classification of establishments, wage earners, value of products, and value added by manufacture, similar to that presented in Table 15 for all industries combined.

Table 16 — INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.	
			1914	1909			1914	1909			1914	1909			1914	1909
ICE, MANUFACTURED	92	70	100.0	100.0	760	461	100.0	100.0	$2,202,769	$1,206,874	100.0	100.0	$1,586,118	$822,834	100.0	100.0
Less than $5,000	13	13	14.1	18.6	32	23	4.2	5.0	46,506	40,610	2.1	3.4	27,382	25,575	1.7	3.1
$5,000 to $20,000	50	40	54.3	57.1	247	188	32.5	40.8	548,352	420,564	24.9	34.8	384,987	310,657	24.2	37.8
$20,000 to $100,000 [1]	29	17	31.5	24.3	481	250	63.3	54.2	1,607,911	745,700	73.0	61.8	1,173,749	486,602	74.0	59.1
LUMBER AND TIMBER PRODUCTS	507	515	100.0	100.0	18,358	19,227	100.0	100.0	21,456,898	20,863,016	100.0	100.0	12,530,656	14,623,571	100.0	100.0
Less than $5,000	165	147	32.5	28.5	486	532	2.6	2.8	382,665	388,844	1.8	1.9	266,329	306,540	2.0	2.1
$5,000 to $20,000	166	175	32.7	34.0	1,832	1,871	10.0	9.7	1,837,361	1,874,809	8.6	9.0	1,249,507	1,389,981	9.2	9.5
$20,000 to $100,000	120	137	23.7	26.6	4,692	5,366	25.6	27.9	5,923,735	6,262,299	27.6	30.0	3,463,856	4,195,896	25.6	28.7
$100,000 and over [2]	56	56	11.0	10.9	11,348	11,458	61.8	59.6	13,313,137	12,337,064	62.0	59.1	8,550,964	8,731,154	63.2	59.7
PRINTING AND PUBLISHING	235	174	100.0	100.0	1,220	905	100.0	100.0	3,017,140	1,865,848	100.0	100.0	2,214,448	1,431,639	100.0	100.0
Less than $5,000	129	111	54.9	63.8	177	152	14.5	16.8	341,566	267,018	11.3	14.3	270,769	216,855	12.2	15.1
$5,000 to $20,000	80	45	34.0	25.9	359	222	29.4	24.5	753,960	404,129	25.0	21.7	605,190	318,097	27.3	22.2
$20,000 to $100,000	21	13	8.9	7.5	324	234	26.6	25.9	817,439	442,518	27.1	23.7	572,771	335,508	25.9	23.4
$100,000 to $1,000,000	5	5	2.1	2.9	360	297	29.5	32.8	1,104,175	752,183	36.6	40.3	765,718	561,179	34.6	39.2
TOBACCO, CIGARS AND CIGARETTES	270	229	100.0	100.0	10,761	12,280	100.0	100.0	19,385,659	21,575,021	100.0	100.0	11,646,998	12,889,763	100.0	100.0
Less than $5,000	154	105	57.0	45.9	235	176	2.2	1.4	310,355	215,259	1.6	1.0	191,036	133,582	1.6	1.0
$5,000 to $20,000	50	41	18.5	17.9	366	385	3.4	3.1	511,733	482,019	2.6	2.2	309,185	304,711	2.7	2.4
$20,000 to $100,000	25	39	9.2	17.0	708	1,279	6.6	10.4	1,193,789	1,906,255	6.2	8.8	726,021	1,118,404	6.2	8.7
$100,000 and over [2]	41	44	15.2	19.2	9,452	10,440	87.8	85.0	17,369,782	18,971,488	89.6	87.9	10,420,756	11,333,066	89.5	87.9
TURPENTINE AND ROSIN	508	593	100.0	100.0	15,466	18,143	100.0	100.0	9,573,083	11,937,518	100.0	100.0	6,989,518	9,968,450	100.0	100.0
Less than $5,000	47	30	9.2	5.1	414	210	2.7	1.2	165,844	100,402	1.7	0.8	111,144	77,207	1.6	0.8
$5,000 to $20,000	329	346	64.8	58.3	7,245	7,588	46.8	41.8	3,760,797	4,364,670	39.3	36.6	2,701,012	3,619,670	38.6	36.3
$20,000 to $100,000	125	214	24.6	36.1	6,361	9,772	41.1	53.9	4,595,655	6,983,683	48.0	58.5	3,417,759	5,886,871	48.9	59.1
$100,000 to $1,000,000	7	3	1.4	0.5	1,446	573	9.3	3.2	1,050,787	488,763	11.0	4.1	759,603	384,702	10.9	3.9

[1] Includes the group "$100,000 to $1,000,000."

[2] Includes the group "$1,000,000 and over."

Among the industries in the above table, there was a general increase from 1909 to 1914 in the number of establishments reporting products under $5,000 in value, and, with the exception of the lumber industry, there was a decided increase in value of products reported by this group. The number of establishments having products valued at $100,000 and over varies only slightly from the number reported in 1909, but the relative importance of this group, as measured by value of products, has increased in each industry,

except printing and publishing. A preponderance of small establishments is shown for each industry, but the volume of manufactures is in each case reported by the large establishments.

Table 17 presents, for 1914, for all industries combined, in each of the five cities having more than 10,000 inhabitants, statistics similar to those given in Table 15 for the state as a whole.

Table 17

City and value of product.	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
Jacksonville	173	2,816	100.0	$10,147,679	100.0	$4,606,283	100.0
Less than $5,000	60	87	3.1	152,252	1.5	97,155	2.1
$5,000 to $20,000	57	281	10.0	579,529	5.7	361,763	7.9
$20,000 to $100,000	37	958	34.0	1,752,219	17.3	957,227	20.8
$100,000 and over[1]	19	1,490	52.9	7,663,649	75.5	3,190,138	69.2
Key West	65	2,037	100.0	3,389,026	100.0	1,969,947	100.0
Less than $5,000	32	42	2.1	59,989	1.8	38,530	2.0
$5,000 to $20,000	17	75	3.7	218,713	6.5	114,073	5.8
$20,000 to $100,000	7	246	12.1	437,303	12.9	284,553	14.4
$100,000 to $1,000,000	9	1,674	82.2	2,673,021	78.9	1,532,791	77.8
Pensacola	64	835	100.0	1,832,327	100.0	975,162	100.0
Less than $5,000	22	42	5.0	65,197	3.6	41,846	4.3
$5,000 to $20,000	19	88	10.5	183,639	10.0	103,963	10.7
$20,000 and over[2]	23	705	84.4	1,583,491	86.4	829,353	85.0
Tampa	202	7,055	100.0	$14,038,917	100.0	$8,160,433	100.0
Less than $5,000	77	100	1.4	174,777	1.2	99,529	1.2
$5,000 to $20,000	59	256	3.6	532,231	3.8	306,386	3.8
$20,000 to $100,000	37	636	9.0	1,763,069	12.6	993,154	12.2
$100,000 and over[1]	29	6,063	85.9	11,568,900	82.4	6,761,364	82.8
West Tampa	30	2,718	100.0	5,206,650	100.0	3,247,992	100.0
Less than $5,000	7	19	0.7	18,825	0.4	11,787	0.4
$5,000 to $20,000	5	25	0.9	56,952	1.1	29,223	0.9
$20,000 to $100,000	7	229	8.4	450,084	8.6	252,327	7.8
$100,000 and over[1]	11	2,445	90.0	4,680,789	89.9	2,954,655	91.0

[1] Includes the group "$1,000,000 and over."

[2] Includes the group "$100,000 to $1,000,000."

In the cities the same general condition prevails as that found throughout the state, namely, a preponderance as to number of wage earners, value of products, and value added by manufacture for establishments having products valued at $100,000 or over. The highest percentages of total value of products reported by establishments of this size, 89.9, 82.4, and 78.9, appear for West Tampa, Tampa, and Key West, respectively; and the lowest, 75.5, is shown for Jacksonville.

Table 18 shows the size of establishments in 1914 as measured by the number of wage earners employed, for all industries combined, for 13 of the more important industries, and for each of the five cities having more than 10,000 inhabitants. Table 19 presents, for 1914, percentages based on the figures in Table 18, and for 1909 similar percentages for all industries combined and for individual industries in the state as a whole.

Table 18

Industry and city.	Total.		Establishments employing—														
			No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.		51 to 100 wage earners.		101 to 250 wage earners.		251 to 500 wage earners.		501 to 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	2,518	55,608	188	1,130	2,770	629	7,502	353	11,665	112	7,966	68	11,474	33	11,148	5	3,083
Boxes, cigar	4	457	.....	.....	.....	.....	.....	1	38	2	175	1	244	.....	.....	.....	.....
Bread and other bakery products	184	672	25	137	317	18	174	3	102	1	79	.....	.....	.....	.....	.....	.....
Brick and tile	18	302	.....	2	5	11	139	4	99	1	59	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies	13	2,311	.....	3	10	1	16	.....	.....	2	139	3	524	3	1,053	1	569
Fertilizers	22	781	.....	8	30	3	32	5	137	4	258	2	324	.....	.....	.....	.....
Foundry and machine-shop products	87	694	5	58	171	15	173	8	250	1	100	.....	.....	.....	.....	.....	.....
Gas, illuminating and heating	14	349	.....	7	28	4	54	1	23	1	65	1	179	.....	.....	.....	.....
Ice, manufactured	92	760	.....	50	165	36	356	4	126	2	113	.....	.....	.....	.....	.....	.....
Lumber and timber products	507	18,358	8	173	459	175	1,992	71	2,452	32	2,355	34	5,572	12	4,045	2	1,483
Printing and publishing	235	1,220	41	148	365	37	353	6	234	2	140	1	128	.....	.....	.....	.....
Shipbuilding, wooden, including boat building	65	486	9	42	87	12	108	1	31	.....	.....	.....	.....	1	260	.....	.....
Tobacco, cigars and cigarettes	270	10,761	40	132	298	42	439	12	402	11	725	17	3,062	14	4,804	2	1,031
Turpentine and rosin	508	15,466	1	32	119	203	2,885	214	7,025	48	3,448	8	1,313	2	676	.....	.....
All other industries	499	2,991	59	338	716	72	781	23	746	5	310	1	128	1	310	.....	.....
Total for cities	534	15,461	64	262	683	104	1,134	42	1,460	21	1,488	22	3,937	17	5,728	2	1,031
Jacksonville	173	2,816	21	78	202	44	456	21	755	4	314	3	519	2	570	.....	.....
Key West	65	2,037	11	34	78	5	53	4	96	5	322	3	427	2	548	1	513
Pensacola	64	835	4	37	116	17	175	4	138	1	52	.....	.....	1	354	.....	.....
Tampa	202	7,055	27	104	259	34	413	10	377	5	401	13	2,408	9	3,197	.....	.....
West Tampa	30	2,718	1	9	28	4	37	3	94	6	399	3	583	3	1,059	1	518

Table 19

INDUSTRY AND CITY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.						
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000
All industries	1914	5.0	13.5	21.0	14.3	20.6	20.0	5.5
	1909	3.4	13.5	23.8	11.0	21.1	15.5	8.6
Boxes, cigar	1914	.....	.....	8.3	38.3	53.4	.....	.....
	1909	.....	.....	.....	29.7	.....	70.3	.....
Bread and other bakery products	1914	47.2	25.9	15.2	11.8	.....	.....	.....
	1909	37.8	41.5	7.4	13.3	.....	.....	.....
Brick and tile	1914	1.6	46.0	32.8	19.5	.....	.....	.....
	1909	6.2	35.8	29.2	28.9	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	0.4	0.7	.....	6.0	22.7	45.6	24.6
	1909	0.6	1.7	.....	.....	22.9	74.8	.....
Fertilizers	1914	3.8	4.1	17.5	33.0	41.5	.....	.....
	1909	1.4	6.6	10.0	51.4	30.6	.....	.....
Foundry and machine-shop products.	1914	24.6	24.9	36.0	14.4	.....	.....	.....
	1909	10.4	15.7	40.9	32.9	.....	.....	.....
Gas, illuminating and heating	1914	8.0	15.5	6.6	18.6	51.3	.....	.....
	1909	8.1	14.8	23.8	.....	53.3	.....	.....
Ice, manufactured	1914	21.7	46.8	16.6	14.9	.....	.....	.....
	1909	32.8	43.8	23.4	.....	.....	.....	.....
Lumber and timber products	1914	2.5	10.8	13.4	12.8	30.4	22.0	8.1
	1909	2.3	12.5	11.3	12.8	31.1	19.5	10.6
Printing and publishing	1914	29.9	28.9	19.2	11.5	10.5	.....	.....
	1909	27.4	25.4	21.2	26.0	.....	.....	.....
Shipbuilding, wooden, including boat building.	1914	17.9	22.2	6.4	.....	.....	53.5	.....
	1909	16.4	20.5	14.9	.....	48.1	.....	.....
Tobacco, cigars and cigarettes	1914	2.8	4.1	3.7	6.7	28.4	44.6	9.6
	1909	1.5	5.0	5.2	7.4	27.9	29.4	23.6
Turpentine and rosin	1914	0.8	18.6	45.4	22.3	8.5	4.4	.....
	1909	0.4	16.8	53.2	19.9	9.8	.....	.....
All other industries	1914	23.9	26.1	24.9	10.4	4.3	10.4	.....
	1909	30.2	40.7	22.2	6.8	.....	.....	.....
Total for cities	1914	4.4	7.3	9.4	9.6	25.5	37.0	6.7
JACKSONVILLE	1914	7.2	16.2	26.8	11.2	18.4	20.2	.....
KEY WEST	1914	3.8	2.6	4.7	15.8	21.0	26.9	25.2
PENSACOLA	1914	13.9	21.0	16.5	6.2	.....	42.4	.....
TAMPA	1914	3.7	5.8	5.3	5.7	34.1	45.3	.....
WEST TAMPA	1914	1.0	1.4	3.4	14.7	21.4	59.0	19.0

There were 188 establishments for which no wage earners are shown. In these establishments the work is done by the proprietors, firm members, or persons classed as salaried employees, or where wage earners were reported, the term of employment was so short that in computing the average, as described in the "Explanation of terms," the number was less than one person and the establishment was classed as one having "no wage earners."

The comparatively small establishments—those employing from 1 to 20 wage earners—formed 69.9 per cent of the total for the state, but gave employment to only 18.5 per cent of the total wage earners reported. The groups of establishments having more than 100 wage earners, although representing only 4.2 per cent of the total number of establishemnts in the state, gave employment to 46.1 per cent of the total wage earners. The greatest number of wage earners in any single group was reported by establishments employing from 21 to 50. The 11,665 wage earners so employed were largely recruited from the lumber and turpentine and rosin industries.

Bakeries, foundries and machine shops, and printing and publishing reported the greatest number of small establishments, more than 75 per cent of all establishments in each of the three industries employing from 1 to 20 wage earners only. Railroad repair shops, the manufacture of cigars and cigarettes, and of cigar boxes are the industries showing the greatest proportion of large establishments—those employing more than 100 wage earners.

Among the cities, the highest percentage of the total number of wage earners reported by establishments employing more than 50 wage earners each is shown for West Tampa—94.2.

Engines and power.—Table 20 shows, for 1914, 1909, and 1904, for all industries combined, the number and horsepower of engines or motors employed in generating power (including electric motors operated by purchased current). It also shows separately the number and horsepower of electric motors operated by current generated in the establishments reporting.

Table 20

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total	3,166	2,445	771	100,071	89,816	43,413	100.0	100.0	100.0
Owned	1,966	2,044	771	93,586	86,376	42,413	93.5	96.2	97.7
Steam engines and turbines [1]	1,433	1,783	702	88,939	84,708	41,975	88.9	94.3	96.7
Internal-combustion engines	521	250	59	4,464	1,497	320	4.5	1.7	0.7
Water wheels, turbines, and motors	12	11	10	183	171	118	0.2	0.2	0.3
Rented	1,200	401	.....	6,485	3,440	1,000	6.5	3.8	2.3
Electric	1,200	401	(2)	6,406	3,353	1,000	6.4	3.7	2.3
Other	.....	.....	.....	79	87	.....	0.1	0.1	.....
Electric	1,523	579	.....	12,888	7,563	2,960	100.0	100.0	100.0
Rented	1,200	401	(2)	6,406	3,353	1,000	49.7	44.3	33.8
Generated by establishments reporting	323	178	45	6,482	4,210	1,960	50.3	55.7	66.2

[1] Figures for horsepower include for 1909 the amounts reported under the head of "other" owned power.

[2] Not reported.

The preceding table shows an increase in primary power amounting to 10,255 horsepower, or 11.4 per cent, from 1909 to 1914, of which rented electric power is an important factor. The use of rented power, now almost wholly electric, has greatly increased since 1904, when it represented only 2.3 per cent of the total primary power reported. In 1909 the amount of rented power had increased to 3.8 per cent of the total, and in 1914 to 6.5 per cent.

Power operated by current generated in the same establishment shows a large increase, the percentage of increase for the later five-year period being 54 and for the earlier, 114.8.

In addition to the increased use of rented electric power, owned power shows an increase of 120.6 per cent during the decade and of 8.3 per cent during the last five-year period.

Fuel.—Closely related to the subject of power employed in manufactures is that of fuel consumed in generating this power or otherwise used in the manufacturing processes.

Table 21 shows, for 1914, the quantity of each kind of fuel used, for which data were obtained, for all industries combined and for selected industries in the state as a whole, and for all industries combined in each city.

Table 21 — INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 lbs.).	COAL. Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
All industries	16,489	143,553	17,522	141,374	9,560
Bread and other bakery products	795	617	1,381	27	351
Brick and tile	.....	8,983	.....	59	.....
Carriages, wagons, and repairs	29	415	6	57	180
Cars and general shop construction and repairs by steam-railroad companies	20	22,809	60	275	.....
Fertilizers	.....	7,250	.....	2,216	.....
Foundry and machine-shop products	7	414	1,917	606	298
Gas, illuminating and heating	4,012	33,691	4,088	41,311	.....
Ice, manufactured	1,000	52,533	9,600	40,208	.....
Lumber and timber products	7,702	2,625	.....	1,382	348
Printing and publishing	287	280	29	823	4,988
All other industries	2,637	13,936	441	54,405	3,395
Total for cities	5,856	79,157	4,755	105,253	6,488
JACKSONVILLE	2,250	61,480	2,227	11,355	2,939
KEY WEST	1,056	4,561	124	4,023	165
PENSACOLA	13	10,769	1,151	4,019	2,225
TAMPA	2,482	2,347	1,252	85,850	1,159
WEST TAMPA	55	.....	1	6	.....

SPECIAL STATISTICS.

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantities and cost of materials, the quantities and value of products, and other information for which no provision is made on the general schedule. Certain data of this character for three important industries and also for power laundries are here presented.

Turpentine and rosin.—This industry, like the lumber, is dependent upon the forests of the state for its raw materials. The quantities and values of the different products, for the census years, 1914, 1909, and 1904, are shown in the following table.

Table 22	1914	1909	1904
Total value	$9,573,083	$11,937,518	$9,901,905
Turpentine:			
Gallons	12,363,232	13,809,785	12,872,869
Value	$4,820,679	$5,847,478	$6,425,826
Rosin:			
Barrels (280 pounds)	1,310,307	1,555,749	1,445,902
Value	$4,695,561	$6,057,524	$3,447,418
Dross and other products, value	$56,843	$32,516	$28,661

The value of turpentine and rosin products have decreased 19.8 per cent since 1909, owing to the depletion of the longleaf pine forests. In 1914 the production of spirits of turpentine was 10.5 per cent less than in 1909, while the output of rosin shows a decrease of 15.8 per cent as compared with 1909.

In turpentine operations the working unit which is called a crop, consists of 10,500 boxes or cups. In 1914 there were 8,950 crops worked, of which 1,431 were from virgin trees, 1,978 from yearlings, 2,430 from third-year workings, and 3,111 from older trees. Of the above crops, 62.9 per cent were worked by the cup system.

Fertilizers.—The following table shows the quantity and value of the products of the fertilizer establishments of the state for the censuses 1904 to 1914:

Table 23	1914	1909	1904
Total value	$6,995,051	$3,878,296	$1,590,371
Fertilizers:			
Tons	[1] 245,449	155,852	71,592
Value	$6,266,201	$3,592,882	$1,589,771
Complete and ammoniated fertilizers—			
Tons	199,606	98,322	53,559
Value	$5,696,460	$2,877,646	$1,330,271
Superphosphates and concentrated phosphates—			
Tons	36,701	46,570	12,800
Value	$307,272	$393,302	$194,000
All other fertilizers—			
Tons	9,142	10,960	5,233
Value	$262,469	$321,934	$65,500
All other products, value	$728,850	$285,414	$600

[1] In addition, there were produced by cottonseed-oil mills 1,057 tons of fertilizers, valued at $23,866.

The state ranked ninth among the states in 1914 in value of manufactured fertilizers, whereas in 1909 it ranked eleventh. In the output of phosphate rock, of which more than 2,000,000 net tons were used by the fertilizer plants of the country, the state leads all others, the output in 1914 being 2,138,891 long tons, or 78.2 per cent of the marketed production of phosphate rock for that year.

The output of manufactured fertilizers in 1914 exceeded that of 1909 by 89,597 tons, an increase of 57.5 per cent, and in value by $2,673,319, an increase of 74.4 per cent. In 1909 complete and ammoniated fertilizers, with an average value of $29.26 per ton, constituted 63.1 per cent of the total tonnage; whereas in 1914 this class of fertilizers, although showing a slightly lower average value per ton ($28.53), constituted 81.3 per cent of the total tonnage.

Printing and publishing.—The following table shows the number of publications and their aggregate circulation, by period of issue, for the three most recent census years.

Table 24 — Period of issue	Number of publications			Aggregate circulation per issue		
	1914	1909	1904	1914	1909	1904
Total	189	160	154	391,503	283,992	223,214
Daily	26	19	20	119,102	80,300	54,875
Sunday	9	6	5	83,171	48,539	30,390
Semiweekly	6	3	3	11,425	10,300	8,500
Weekly	141	127	117	171,615	137,818	112,124
Monthly	[1] 7	5	9	[1] 6,190	7,035	17,325

[1] Includes one quarterly.

In 1914, as compared with 1909, each class of publications showed an increase in number, and all, except the monthlies, an increase in circulation. The dailies increased 38,802, or 48.3 per cent, the Sunday papers, 34,632, or 71.3 per cent, and the weeklies, which form the largest class, 33,797, or 24.5 per cent. Only two publications were printed in foreign languages, both weeklies, one in German and one in Spanish.

Laundries.—Statistics for power laundries are not included in the general tables or in the totals for manufacturing industries. Table 25, however, summarizes these statistics for Florida for 1914 and 1909.

Table 25	Power laundries		
	Number or amount		Per cent of increase,[1] 1909–1914.
	1914	1909	
Number of establishments	45	28	.....
Persons engaged	991	638	55.3
Proprietors and firm members	41	28	.....
Salaried employees	86	39	.....
Wage earners (average number)	864	571	51.3
Primary horsepower	1,120	528	112.1
Capital	$612,525	$461,038	32.8
Salaries and wages	448,122	232,639	92.6
Salaries	91,998	36,130	154.6
Wages	356,124	196,509	81.2
Paid for contract work	5,750	.....	.....
Rent and taxes	41,344	11,752	251.8
Cost of materials	182,317	77,221	136.1
Amount received for work done	946,314	474,088	99.6

[1] Percentages are omitted where base is less than 100.

The table shows increases in all the items given, those in receipts for work done and in average number of wage earners amounting to 99.6 per cent and 51.3 per cent, respectively. Establishments owned by individuals reported 30.9 per cent of the amount received for work done; those owned by corporations, 53.9 per cent; and those under other forms of ownership, 15.2 per cent.

Table 26 presents, for 1914 and 1909, the number of wage earners employed in the laundries on the 15th of each month, or the nearest representative day, and the percentage which this number represents of the greatest number employed in any month of the same year.

Table 26 — Month	Wage earners			
	Number		Per cent of maximum	
	1914	1909	1914	1909
January	888	566	94.7	87.5
February	925	565	98.6	87.3
March	938	578	100.0	89.3
April	888	562	94.7	86.9
May	864	550	92.1	85.0
June	832	542	88.7	83.8
July	838	548	89.3	84.7
August	803	553	85.6	85.5
September	823	555	87.7	85.8
October	825	570	88.0	88.1
November	851	620	90.7	95.8
December	891	647	95.0	100.0

Table 27 gives statistics as to kinds and amounts of power used in the laundries of the state in 1914 and 1909, together with the percentages of increase for the five-year period.

Table 27 — Power	Number of engines or motors		Horsepower		
			Amount		Per cent of increase,[1] 1909–1914.
	1914	1909	1914	1909	
Primary power, total	91	28	1,120	528	112.1
Owned	42	25	863	476	81.3
Steam	41	23	861	467	84.4
Internal combustion	1	2	2	9	.....
Rented	.....	.....	257	52	.....
Electric	49	3	237	43	.....
Other	.....	.....	20	9	.....
Electric—Generated in establishments reporting	6	.....	25	.....	.....

[1] Percentages are omitted where base is less than 100.

Table 28 shows the kinds and quantities of fuel used in laundries, as reported at the censuses of 1914 and 1990, with percentages of increase.

Table 28 — Kind	Unit	Quantity		Per cent of increase, 1909–1914.
		1914	1909	
Anthracite coal	Tons, 2,240 lbs.	100	.....	.....
Bituminous coal	Tons, 2,000 lbs.	3,825	1,265	202.4
Oil	Barrels	2,867	244	1,075.0
Gas	1,000 cubic feet	1,999	1,417	41.1

GENERAL TABLES.

Table 29 gives, for 1914, 1909, and 1904, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products, for selected industries in the state as a whole and in the city having more than 50,000 inhabitants; and for the cities having from 10,000 to 50,000 inhabitants, similar data for all industries combined.

Table 30 presents, for 1914, for the state as a whole and for Jacksonville, the only city having more than 50,000 inhabitants, statistics in detail for each industry that can be shown without the disclosure of the operations of individual establishments, and the statistics for all industries combined for each of the cities in the state having from 10,000 to 50,000 inhabitants.

TABLE 29.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1914	2,518	55,608	100,071	$24,822	$33,816	$81,112
	1909	2,159	57,473	89,816	22,982	26,128	72,890
	1904	1,413	42,091	43,413	15,767	16,532	50,298
Artificial stone products	1914	59	197	174	102	131	305
	1909	32	124	44	57	93	215
	1904	10	47	5	23	41	99
Boxes, cigar	1914	4	457	459	225	282	635
	1909	3	370	461	175	232	504
	1904	4	229	152	88	87	261
Bread and other bakery products.	1914	184	672	495	369	1,192	2,169
	1909	113	405	666	201	760	1,292
	1904	85	284	42	124	416	748
Brick and tile	1914	[1] 18	302	1,752	119	138	396
	1909	29	439	2,288	138	113	379
	1904	14	425	903	109	65	237
Canning and preserving	1914	[2] 21	194	268	58	239	418
	1909	18	188	70	51	80	213
	1904	[3] 10	184	56	28	92	165
Carriages, wagons, and repairs.	1914	46	169	203	115	95	305
	1909	39	230	354	136	210	453
	1904	31	196	169	102	124	344
Cars and general shop construction and repairs by electric-railroad companies.	1914	4	77	193	50	36	96
	1909	6	55	63	30	29	68
Cars and general shop construction and repairs by steam-railroad companies.	1914	13	2,311	2,234	1,398	980	2,590
	1909	12	1,753	1,035	1,018	601	1,743
	1904	6	1,111	545	561	544	1,156
Coffee, roasting and grinding.	1914	19	45	171	24	465	697
	1909	13	29	83	11	194	262
	1904	6	11	30	5	92	122
Confectionery	1914	8	23	6	10	30	57
	1909	4	31	17	11	47	83
	1904	5	23	.....	9	45	120
Cooperage	1914	10	191	404	82	274	434
	1909	10	133	360	48	217	333
	1904	7	134	170	48	162	262
Copper, tin, and sheet-iron work.	1914	26	124	86	84	254	399
	1909	8	52	30	30	43	105
	1904	9	94	1	47	71	192
Fertilizers	1914	22	781	3,070	367	4,656	6,995
	1909	12	589	1,710	218	2,875	3,878
	1904	8	242	555	70	1,325	1,590
Flour-mill and gristmill products.	1914	13	22	382	7	134	166
	1909	6	11	141	5	139	164
	1904	7	13	167	6	112	137
Food preparations, not elsewhere specified.	1914	7	23	84	$11	$41	$60
	1909	5	34	72	13	156	258
	1904	4	17	22	7	16	32
Foundry and machine-shop products.	1914	[4] 87	694	1,517	463	534	1,408
	1909	36	508	725	287	331	837
	1904	[2] 18	264	342	138	211	499
Gas, illuminating and heating.	1914	14	349	968	183	338	1,049
	1909	12	210	746	113	182	585
	1904	11	95	522	35	81	314
Ice, manufactured	1914	92	760	12,475	446	617	2,203
	1909	70	461	8,585	224	384	1,207
	1904	47	295	2,943	151	171	684
Liquors, distilled	1914	3	11	200	5	38	167
	1909	4	25	310	11	47	251
Lumber and timber products.	1914	[5] 507	18,358	65,073	8,077	7,926	21,457
	1909	515	19,227	65,097	7,551	6,239	20,863
	1904	242	11,670	33,527	4,229	3,977	12,972
Marble and stone work	1914	14	47	75	39	67	171
	1909	10	42	.....	30	35	111
	1904	6	58	.....	50	71	198
Mineral and soda waters	1914	114	271	412	119	557	1,050
	1909	74	168	196	62	196	515
	1904	43	95	15	36	76	238
Printing and publishing	1914	235	1,220	1,325	898	803	3,017
	1909	174	905	794	529	434	1,866
	1904	155	543	382	271	270	1,139
Shipbuilding, wooden, including boat building.	1914	65	486	1,489	334	280	804
	1909	52	482	873	289	233	697
	1904	13	92	52	40	37	115
Slaughtering and meat packing.	1914	11	54	144	32	789	925
	1909	11	32	.....	20	392	467
Tobacco, cigars and cigarettes.	1914	270	10,761	149	6,638	7,739	19,386
	1909	229	12,280	109	7,169	8,685	21,575
	1904	208	9,657	23	5,577	6,596	16,764
Turpentine and rosin	1914	508	15,466	913	4,015	2,584	9,573
	1909	593	18,143	1,916	4,316	1,969	11,938
	1904	406	15,541	349	3,714	725	9,902
All other industries	1914	144	1,543	5,350	552	2,597	4,180
	1909	69	547	3,071	239	1,212	2,028
	1904	58	771	2,441	299	1,125	2,008

[1] Includes "sand-lime brick."
[2] Includes "canning and preserving, fish and oysters," "canning, vegetables," and "pickles and preserves."
[3] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[4] Includes "automobile repairing," "engines, steam, gas, and water," and "structural ironwork, not made in steel works or rolling mills."
[5] Includes "boxes, wooden packing" and "lumber, planing-mill products, not including planing mills connected with sawmills."

TABLE 29.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
JACKSONVILLE—All industries.	1914	173	2,816	7,147	$1,547	$5,541	$10,148
	1909	114	1,988	5,165	988	3,997	6,722
	1904	125	2,650	.....	1,073	2,789	5,340
Artificial stone products	1914	3	50	21	28	18	66
	1909	3	40	12	17	18	49
	1904	4	23	.....	12	16	42
Bread and other bakery products.	1914	20	221	151	99	383	660
	1909	9	122	75	55	176	309
	1904	14	105	.....	45	117	221
Carriages and wagons	1914	6	59	49	41	36	105
	1909	4	67	34	42	35	100
	1904	4	54	.....	26	32	73
Fertilizers	1914	3	346	860	168	1,988	3,258
	1909	4	385	855	131	1,935	2,511
	1904	3	102	.....	37	1,003	1,164
Lumber and timber products.	1914	[1] 11	313	1,396	$158	$440	$758
	1909	8	180	865	82	225	382
	1904	14	1,114	.....	408	404	1,080
Patent medicines and compounds and druggists' preparations.	1914	4	10	.....	5	12	45
	1909	7	12	.....	5	18	73
	1904	6	24	.....	5	300	397
Printing and publishing	1914	41	281	366	301	353	1,061
	1909	28	250	252	163	146	636
	1904	21	151	.....	83	98	379
Tobacco, cigars	1914	17	272	.....	120	160	409
	1909	14	134	.....	73	115	264
	1904	14	139	.....	64	54	199
All other industries	1914	68	1,264	4,304	627	2,151	3,786
	1909	37	798	3,072	420	1,329	2,398
	1904	45	938	.....	393	765	1,785
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.							
KEY WEST	1914	65	2,037	722	$1,100	$1,419	$3,389
	1909	56	2,431	295	1,397	1,643	3,965
	1904	73	2,466	.....	1,325	1,806	4,254
PENSACOLA	1914	64	835	1,404	481	857	1,832
	1909	59	940	1,226	466	859	1,837
	1904	39	1,206	.....	476	820	1,937
TAMPA	1914	202	7,055	3,406	$4,405	$5,878	$14,039
	1909	182	6,786	2,536	4,033	5,853	13,804
	1904	141	5,831	.....	3,578	4,551	11,264

[1] Includes "boxes, wooden packing" and "lumber, planing-mill products, not including planing mills connected with sawmills."

TABLE 30.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	Industry and city.	Number of establishments.	Persons engaged in the industry.								Wage earners Dec. 15, or nearest representative day.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of— Maximum month.	Number, 15th day of— Minimum month.		Male.	Female.	Male.	Female.	
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	2,518	63,204	2,682	1,938	2,718	258	55,608	Jy 57,775	No 52,087	(3)	(3)	(3)	(3)	(3)	$88,318,983
2	Artificial stone products	59	278	73	7	1	.....	197	Mh 206	Je 189	235	235	.....	.....	.....	293,940
3	Automobile repairing	28	133	35	3	2	2	91	No 97	Jy [4] 87	98	98	.....	.....	.....	245,414
4	Awnings, tents, and sails	7	34	8	2	.....	1	23	Se 27	Fe [4] 21	26	20	6	.....	.....	20,299
5	Boxes, cigar	4	492	8	7	18	2	457	Se 552	De 366	439	220	188	12	19	497,537
6	Boxes, wooden packing	13	864	8	19	29	1	807	De 990	Jy 446	990	911	65	10	4	1,975,862
7	Bread and other bakery products	184	936	216	24	19	5	672	Mh 693	Jy 649	696	583	100	12	1	824,961
8	Brick and tile	14	253	16	10	5	.....	222	Oc 255	Fe 144	265	252	.....	13	.....	609,799
9	Canning and preserving, fish	4	67	2	1	3	.....	61	Oc 244	Ja [4] 2	241	136	68	17	20	45,325
10	Canning, vegetables	3	31	2	3	2	.....	24	Jy [4] 65	Ja [5] 0	73	20	36	7	10	8,907
11	Canning and preserving, oysters	4	132	1	5	23	2	101	Ja 173	Au [4] 18	237	142	95	.....	.....	149,195
12	Carriages, wagons, and repairs	46	233	55	3	5	1	169	.....	.....	164	162	.....	2	.....	352,996
13	Carriages and wagons	40	214	48	2	5	1	158	Ja [4] 164	De 140	151	149	.....	2	.....	344,346
14	Repair work only	6	19	7	1	.....	.....	11	Ap [4] 12	De [4] 10	13	13	.....	.....	.....	8,650
15	Cars and general shop construction and repairs by electric-railroad companies.	4	85	.....	4	4	.....	77	Fe 86	De 61	75	75	.....	.....	.....	362,960
16	Cars and general shop construction and repairs by steam-railroad companies.	13	2,427	.....	28	87	1	2,311	Jy 2,494	No 2,147	2,145	2,141	3	1	.....	1,477,920
17	Coffee, roasting and grinding	19	95	20	6	21	3	45	De [4] 48	Ja [4] 44	46	35	10	1	.....	219,302
18	Confectionery and ice cream	30	134	43	12	2	5	72	.....	.....	77	66	10	1	.....	86,908
19	Confectionery	8	40	12	3	1	1	23	De [4] 28	Ja 12	27	19	7	1	.....	19,812
20	Ice cream	22	94	31	9	1	4	49	Jy 52	De [4] 46	50	47	3	.....	.....	67,096
21	Cooperage	10	208	7	6	4	.....	191	My 235	Oc 135	222	222	.....	.....	.....	158,274
22	Copper, tin, and sheet-iron work	26	172	26	10	11	1	124	No 138	Ja [4] 111	135	135	.....	.....	.....	317,322
23	Fertilizers	22	966	4	52	106	23	781	Fe 1,219	Au 553	915	910	5	.....	.....	7,612,929
24	Flour-mill and gristmill products	13	43	14	2	5	.....	22	De [4] 25	Ja [4] 20	24	24	.....	.....	.....	106,569
25	Food preparations, not elsewhere specified.	7	36	11	1	1	.....	23	(6) 23	(6) 23	26	16	9	.....	1	31,557
26	Foundry and machine-shop products	56	687	55	44	21	6	561	.....	.....	581	579	.....	2	.....	1,676,994
27	Foundries	5	40	2	5	.....	.....	33	De 40	Je 23	43	43	.....	.....	.....	68,184
28	Machine shops	51	647	53	39	21	6	528	Se 561	My 501	538	536	.....	2	.....	1,608,810
29	Furniture, wood, including rattan and willow.	4	11	3	.....	.....	.....	8	Ap [4] 11	No 3	13	13	.....	.....	.....	42,558
30	Gas, illuminating and heating	14	462	.....	27	75	11	349	Ap [4] 493	No 269	296	296	.....	.....	.....	8,906,623
31	Ice, manufactured	92	1,021	39	135	73	14	760	Jy 861	Fe 695	739	738	.....	1	.....	4,373,260
32	Liquors, distilled, whisky	3	15	1	1	2	.....	11	Se [4] 17	Ja [4] 7	17	17	.....	.....	.....	36,154
33	Lumber and timber products	412	17,623	436	374	396	25	16,392	Jy 17,077	No 14,128	18,595	18,425	53	113	4	25,945,626
34	Lumber, planing-mill products, not including planing mills connected with sawmills.	82	1,388	77	84	56	12	1,159	Jy 1,235	Fe 1,093	1,233	1,227	.....	6	.....	2,478,600
35	Marble and stone work	14	79	15	7	10	.....	47	Ap 51	My 41	49	49	.....	.....	.....	87,345
36	Mattresses and spring beds	8	78	10	7	1	.....	60	De [4] 66	Au 56	65	55	8	2	.....	103,698
37	Mineral and soda waters	114	457	123	36	22	5	271	Au [4] 302	Ja 225	291	281	2	8	.....	622,377
38	Minerals and earths, ground	4	242	.....	9	10	3	220	Ja [4] 283	De 184	233	233	.....	.....	.....	539,332
39	Oil, cottonseed, and cake	4	138	.....	12	7	1	118	No 216	Je [4] 38	213	213	.....	.....	.....	757,150
40	Paints	3	19	4	3	3	1	8	(6) 8	(6) 8	8	8	.....	.....	.....	43,993
41	Patent medicines and compounds	18	50	16	5	4	1	24	Je 29	De [4] 22	30	18	12	.....	.....	204,017
42	Paving materials	5	141	3	7	7	.....	124	Ap 151	Se 92	129	129	.....	.....	.....	228,895
43	Pickles and preserves	10	19	11	.....	.....	.....	8	Se 23	Je [5] 0	24	17	7	.....	.....	62,529
44	Printing and publishing, book and job.	74	489	75	32	30	12	340	De 356	Je 318	359	291	59	8	1	808,753
45	Printing and publishing, newspapers and periodicals.	161	1,353	140	106	162	65	880	.....	.....	937	751	101	83	2	2,358,438
46	Printing and publishing	15	455	8	31	117	29	270	De [4] 286	Jy [4] 257	286	226	24	35	1	1,124,807
47	Printing, publishing, and job printing.	131	864	119	67	37	31	610	De 646	Jy 577	651	525	77	48	1	1,212,285
48	Publishing without printing	15	34	13	8	8	5	.....	.....	.....	.....	.....	.....	.....	.....	21,346
49	Sand-lime brick	4	89	.....	7	2	.....	80	Jy 94	De 62	76	75	.....	1	.....	236,269
50	Shipbuilding, wooden, including boat building.	65	584	76	15	6	1	486	.....	.....	484	482	.....	2	.....	1,095,969
51	New vessels	15	358	17	12	3	1	325	Oc 464	De 260	284	283	.....	1	.....	706,299
52	Repair work	7	33	10	1	.....	.....	22	No 31	Je 17	32	32	.....	.....	.....	75,614
53	Small boats	43	193	49	2	3	.....	139	Ja 179	Se [4] 110	168	167	.....	1	.....	314,056
54	Slaughtering and meat packing	11	78	11	3	9	1	54	Au 58	Mh [4] 49	52	52	.....	.....	.....	114,277
55	Sugar, cane	5	22	3	3	.....	2	14	Ja 56	Je [5] 0	54	52	2	.....	.....	37,654
56	Tobacco, cigars and cigarettes	270	12,410	298	183	1,131	37	10,761	.....	.....	11,022	8,637	2,329	48	8	9,369,478
57	Cigars	265	12,397	293	183	1,131	37	10,753	Oc 12,063	Ja 9,912	11,013	8,634	2,326	48	5	9,362,109
58	Cigarettes	5	13	5	.....	.....	.....	8	De [4] 9	Ja [4] 7	9	3	3	.....	3	7,369
59	Turpentine and rosin	508	16,975	674	565	269	1	15,466	Je 16,988	De 13,289	15,883	15,542	47	291	3	9,894,866
60	All other industries *	67	1,155	63	68	74	13	937	.....	.....	.....	.....	.....	.....	.....	2,896,152

[1] Owned power only. [2] Includes rented power, other than electric. [3] No figures given for reasons stated under "Explanation of terms."

*All other industries embrace—

Agricultural implements	2	Brooms	2	Druggists' preparations	2	Grease and tallow, not including lubricating greases	1
Artificial flowers	1	Brushes	3	Engines, steam, gas, and water	1	Lamps	1
Automobile bodies and parts	1	Cleansing and polishing preparations	1	Fancy articles, not elsewhere specified	1	Lime	3
Bags, other than paper	2	Coffins, burial cases, and undertakers' goods	2	Flavoring extracts	3	Liquors, malt	2
Baskets, and rattan and willow ware	2	Cordials and flavoring sirups	2	Glucose and starch	1	Liquors, vinous	1

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914.

EXPENSES.										POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
$2,978,555	$2,311,576	$24,822,323	$1,057,998	$557,845	$1,861,230	$32,457,161	$1,358,527	$81,112,291	$47,296,603	100,071	88,939	4,543	183	6,406	6,482	1
8,599	375	102,215	806	2,379	1,662	128,497	2,456	304,587	173,634	174	7	97	4	66	.....	2
1,800	2,030	72,501	.....	5,854	2,262	76,338	3,161	213,882	134,383	136	.....	52	.....	84	.....	3
3,000	780	14,120	.....	1,525	105	38,955	312	67,759	28,492	11	.....	6	.....	5	.....	4
21,380	18,003	225,138	.....	1,350	4,262	274,386	7,419	635,385	353,580	459	312	20	.....	127	.....	5
25,070	20,506	307,423	54,196	316	7,284	316,732	8,641	932,554	607,181	2,159	2,151	.....	.....	8	356	6
26,126	20,641	369,020	860	46,049	6,438	1,141,991	50,162	2,169,320	977,167	495	62	57	.....	376	.....	7
12,250	5,385	83,895	.....	.....	2,520	32,390	61,863	287,974	193,721	1,320	1,301	19	.....	.....	20	8
1,800	555	19,470	.....	60	332	25,106	651	57,015	31,258	130	125	.....	.....	5	.....	9
2,014	520	1,633	.....	600	14	4,077	80	8,825	4,168	33	30	.....	.....	3	.....	10
9,400	38,828	34,058	4,293	4,025	836	192,547	2,743	321,817	126,527	101	60	40	.....	1	.....	11
3,800	5,720	115,367	.....	11,717	2,812	88,764	6,552	304,604	209,288	203	23	58	.....	122	.....	12
3,600	5,720	109,459	.....	10,717	2,699	85,862	5,995	291,279	199,422	194	23	52	.....	119	.....	13
200	.....	5,908	.....	1,000	113	2,902	557	13,325	9,866	9	.....	6	.....	3	.....	14
4,180	3,980	49,551	.....	.....	4,273	35,450	211	96,282	60,621	193	.....	.....	.....	193	.....	15
47,092	98,138	1,398,254	4,511	1,200	4,918	924,854	54,792	2,589,930	1,610,284	2,234	2,202	15	.....	17	1,106	16
14,828	26,445	23,605	500	3,289	1,210	460,374	5,027	696,767	231,366	171	.....	.....	.....	171	.....	17
12,485	3,275	35,752	.....	11,109	676	166,976	3,667	346,007	175,364	90	2	5	.....	83	.....	18
3,768	652	9,586	.....	1,336	174	29,039	809	57,189	27,341	6	2	.....	.....	4	.....	19
8,717	2,623	26,166	.....	9,773	502	137,937	2,858	288,818	148,023	84	.....	5	.....	79	.....	20
8,853	2,361	81,647	200	625	686	270,249	3,558	434,273	160,466	404	291	.....	.....	113	.....	21
18,509	12,083	83,542	2,200	5,532	1,490	251,458	2,514	398,741	144,769	86	.....	15	.....	71	.....	22
138,236	154,028	367,263	5,683	5,718	41,067	4,608,080	47,961	6,995,051	2,339,010	3,070	1,595	519	32	924	789	23
3,000	4,920	6,886	.....	150	1,583	128,982	5,049	166,237	32,206	382	180	92	.....	110	.....	24
1,248	600	10,881	.....	2,058	60	38,813	2,051	59,799	18,935	84	.....	4	.....	80	.....	25
69,056	26,819	365,591	5,500	8,679	12,060	404,038	29,302	1,127,354	694,014	1,340	47	513	.....	780	.....	26
5,660	.....	26,192	.....	600	1,080	19,292	2,379	66,227	44,556	76	.....	31	.....	45	.....	27
63,396	26,819	339,399	5,500	8,079	10,980	384,746	26,923	1,061,127	649,458	1,264	47	482	.....	735	.....	28
.....	.....	5,501	.....	540	158	3,800	455	13,638	9,383	48	.....	35	.....	13	.....	29
47,485	56,426	182,607	.....	1,931	31,774	80,623	257,563	1,049,132	710,946	968	958	.....	.....	10	.....	30
161,946	68,156	446,282	2,890	192,083	43,654	176,147	440,504	2,202,769	1,586,118	12,475	12,108	234	50	83	738	31
920	1,440	5,100	.....	.....	111,893	34,856	3,275	166,813	128,682	200	200	.....	.....	.....	.....	32
652,153	374,943	7,153,965	541,696	50,498	277,276	5,762,731	51,462	17,574,752	11,760,559	57,517	56,830	503	69	115	3,268	33
119,315	59,938	615,273	379	13,885	14,291	1,769,459	17,217	2,949,592	1,162,916	5,397	4,463	283	.....	651	20	34
9,300	10,700	39,006	9,150	1,851	464	65,530	1,547	170,941	103,864	75	.....	2	.....	73	.....	35
10,385	1,248	38,636	.....	1,386	494	107,911	2,395	177,061	66,755	101	.....	.....	.....	101	.....	36
37,472	14,805	119,105	1,801	16,932	5,563	547,386	9,731	1,049,518	492,401	412	13	240	1	158	.....	37
23,350	11,371	65,445	.....	.....	1,610	51,069	40,119	270,670	179,482	606	400	206	.....	.....	.....	38
20,682	6,789	44,832	.....	.....	7,268	800,683	19,785	1,016,186	195,718	1,125	1,125	.....	.....	.....	140	39
4,600	2,294	4,345	.....	2,340	468	26,770	613	48,886	21,503	40	7	3	.....	30	.....	40
3,770	3,580	10,576	1,005	3,595	769	38,738	185	115,893	76,970	6	.....	4	.....	2	.....	41
7,265	6,600	54,532	.....	.....	452	19,556	4,001	105,974	82,417	310	230	.....	.....	80	.....	42
.....	.....	3,151	400	100	124	13,590	650	30,764	16,524	4	.....	3	.....	1	.....	43
53,951	33,714	269,189	1,551	33,597	3,806	259,878	9,195	783,204	514,131	313	.....	23	.....	290	.....	44
185,846	185,783	629,264	41,188	43,811	16,053	498,578	35,041	2,233,936	1,700,317	1,012	46	220	.....	746	.....	45
72,928	126,601	242,951	1,300	14,066	4,949	273,054	16,568	967,553	677,931	362	.....	6	.....	356	.....	46
102,583	49,876	386,313	2,508	28,747	11,055	225,444	18,473	1,180,016	936,099	650	46	214	.....	390	.....	47
10,335	9,306	.....	37,380	998	49	80	.....	86,367	86,287	.....	.....	.....	.....	.....	.....	48
10,125	1,768	34,609	.....	.....	1,023	33,538	9,931	108,221	64,752	432	430	2	.....	.....	.....	49
46,236	9,280	334,287	3,798	4,825	7,192	268,223	12,178	804,399	523,998	1,489	422	687	.....	380	1	50
40,188	6,420	230,036	850	1,025	4,931	190,453	8,241	533,666	331,972	973	302	379	.....	292	1	51
1,248	.....	13,911	2,527	648	278	12,058	1,414	42,081	28,609	95	15	75	.....	5	.....	52
4,800	2,860	90,340	421	3,152	1,983	65,712	2,523	228,652	160,417	421	105	233	.....	83	.....	53
4,600	9,200	31,830	.....	2,745	1,000	783,518	5,181	925,386	136,687	144	100	.....	.....	44	.....	54
1,023	435	3,632	.....	240	.....	8,009	734	18,119	9,376	66	41	25	.....	.....	12	55
558,751	758,308	6,638,229	408	62,997	1,093,450	7,736,811	1,850	19,385,659	11,646,998	149	60	16	.....	73	.....	56
558,751	758,308	6,636,652	408	62,661	1,081,970	7,729,989	1,706	19,346,435	11,614,740	144	60	16	.....	68	.....	57
.....	.....	1,577	.....	336	11,480	6,822	144	39,224	32,258	5	.....	.....	.....	5	.....	58
476,594	170,115	4,014,790	372,708	1,814	96,606	2,535,948	47,617	9,573,083	6,989,518	913	588	325	.....	.....	.....	59
110,060	78,691	310,325	2,275	10,440	49,292	1,224,752	89,126	2,124,032	810,154	2,994	2,530	220	27	217	32	60

[4] Same number reported for one or more other months. [5] None reported for one or more other months. [6] Same number reported throughout the year.

Models and patterns, not including paper patterns	1	Shipbuilding, iron and steel	1	Trunks and valises	2
Paper goods, not elsewhere specified	1	Signs	1	Umbrellas and canes	2
Photo-engraving	2	Soap	1	Upholstering materials, excelsior	1
Roofing materials	2	Structural ironwork, not made in steel works or rolling mills	2	Vinegar	1
Saddlery and harness	2	Tobacco, smoking	2	Window and door screens	2
				Window shades and fixtures	1
				Wood distillation, not including turpentine and rosin	2
				Wood preserving	3
				Wood, turned and carved	2
				Wooden goods, not elsewhere specified	2

TABLE 30.—DETAIL STATEMENT FOR THE STATE AND CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.		WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
1	**JACKSONVILLE**—All industries.	173	3,473	133	172	289	63	2,816	Fe	3,064	No	2,651	2,849	2,627	204	16	2	$13,501,733
2	Artificial stone products	3	55	2	2	1	.....	50	Mh [2]	60	No	38	50	50	.....	.....	.....	45,764
3	Bread and other bakery products	20	274	20	14	15	4	221	My	244	De	205	208	157	49	2	.....	244,168
4	Carriages and wagons	6	70	8	2	1	.....	59	Fe [2]	63	De	51	56	56	.....	.....	.....	58,196
5	Confectionery and ice cream	5	41	4	4	1	1	31	My	34	Ja	28	31	25	5	1	.....	38,769
6	Copper, tin, and sheet-iron work	6	40	5	2	3	1	29	Je	33	Ja	23	28	28	.....	.....	.....	74,685
7	Fertilizers	3	414	.....	12	45	11	346	Fe	661	Au	230	401	400	1	.....	.....	2,485,244
8	Foundry and machine-shop products	8	106	8	2	7	1	88	Je	94	My	83	85	85	.....	.....	.....	338,201
9	Ice, manufactured	4	109	.....	5	19	1	84	Jy	100	Ja	73	80	80	.....	.....	.....	1,460,977
10	Lumber and timber products	11	359	4	20	19	3	313	Jy	367	No	257	323	322	1	.....	.....	687,942
11	Marble and stone work	3	31	2	5	5	.....	19	Ap	24	My	14	19	19	.....	.....	.....	35,163
12	Mineral and soda waters	9	56	6	9	4	3	34	Jy	38	Fe	25	41	38	.....	3	.....	75,823
13	Printing and publishing, book and job	27	244	25	21	17	7	174	Oc	187	Jy [3]	167	186	147	35	4	.....	431,431
14	Printing and publishing, newspapers and periodicals.	14	228	6	21	73	21	107	.....	.....	.....	.....	114	109	4	1	.....	923,699
15	Printing and publishing	3	200	.....	15	73	18	94	De	101	Jy [3]	87	101	101	.....	.....	.....	885,874
16	Printing, publishing, and job printing.	4	19	2	3	.....	1	13	(4)	13	(4)	13	13	8	4	1	.....	28,725
17	Publishing without printing	7	9	4	3	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9,100
18	Tobacco, cigars	17	308	18	4	14	.....	272	Se	281	Fe	257	281	249	32	.....	.....	138,310
19	All other industries *	37	1,138	25	49	65	10	989	.....	.....	.....	.....	946	862	77	5	2	6,463,361

* All other industries embrace—

Awnings, tents, and sails	2	Cleansing and polishing preparations	1	Engines, steam, gas, and water	1	Gas, illuminating and heating	2
Bags, other than paper	1	Coffee, roasting and grinding	2	Flavoring extracts	2	Mattresses and spring beds	3
Brushes	1	Cooperage	1	Food preparations, not elsewhere specified	1	Oil, cottonseed, and cake	1
Cars and general shop construction and repairs by electric-railroad companies	1	Cordials and flavoring sirups	2			Paints	1

	CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																	
1	KEY WEST	65	2,289	74	41	127	10	2,037	Oc	2,306	De	1,689	2,288	1,810	443	31	4	$2,987,050
2	PENSACOLA	64	1,007	57	39	65	11	835	Jy	875	Fe	797	874	818	14	41	1	1,579,782
3	TAMPA	202	8,494	232	181	979	47	7,055	Oc	7,748	Ja	6,431	7,084	5,477	1,529	55	23	9,857,504
4	WEST TAMPA	30	2,928	28	36	138	8	2,718	No	3,043	Ja	2,296	2,607	2,104	499	4	.....	2,559,396

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$348,895	$331,939	$1,546,608	$39,610	$76,698	$75,862	$5,263,458	$277,938	$10,147,679	$4,606,283	7,147	5,367	223	.....	1,557	748	1
3,700	375	27,500	200	456	287	17,930	256	66,104	47,918	21	.....	3	.....	18	.....	2
22,750	19,399	98,772	500	10,792	1,329	369,403	13,741	660,221	277,077	151	60	.....	.....	91	.....	3
3,600	1,200	40,583	.....	5,982	155	34,465	1,714	104,804	68,625	49	15	18	.....	16	.....	4
4,777	1,664	15,436	.....	5,102	170	62,593	1,718	138,075	73,764	38	.....	.....	.....	38	.....	5
4,325	3,598	20,558	.....	2,360	165	47,744	344	64,038	15,950	13	.....	.....	.....	13	.....	6
44,674	72,405	168,190	5,683	3,167	16,252	1,972,108	15,831	3,257,801	1,269,862	860	850	.....	.....	10	584	7
4,200	8,586	70,226	4,200	2,498	2,217	33,817	5,020	151,657	112,820	94	.....	.....	.....	94	.....	8
13,005	19,346	50,568	.....	4,323	6,178	28,665	57,152	278,082	192,265	2,300	2,225	.....	.....	75	154	9
30,820	19,476	157,550	15,971	4,162	1,680	433,340	6,677	757,646	317,629	1,396	1,245	6	.....	145	.....	10
6,900	5,700	16,728	.....	1,130	174	34,550	528	90,400	55,322	44	.....	.....	.....	44	.....	11
11,597	2,903	16,542	.....	4,250	541	58,031	941	141,144	82,172	31	.....	.....	.....	31	.....	12
35,491	21,477	157,255	536	14,851	1,183	144,484	3,102	403,524	255,938	153	.....	.....	.....	153	.....	13
49,744	78,439	143,388	12,020	2,634	3,088	195,432	9,948	657,022	451,642	213	.....	.....	.....	213	.....	14
41,500	77,148	134,824	1,300	630	3,002	191,656	9,660	604,308	402,992	200	.....	.....	.....	200	.....	15
4,844	780	8,564	.....	1,620	77	3,776	288	25,497	21,433	13	.....	.....	.....	13	.....	16
3,400	511	.....	10,720	384	9	.....	.....	27,217	27,217	.....	.....	.....	.....	.....	.....	17
8,260	23,848	120,153	.....	3,251	25,617	160,434	25	409,180	248,721	.....	.....	.....	.....	.....	.....	18
105,052	53,523	443,159	500	11,740	16,826	1,670,462	160,941	2,967,981	1,136,578	1,784	972	196	.....	616	10	19

Patent medicines and compounds.... 4
Photo-engraving..... 1
Roofing materials 1
Shipbuilding, wooden, including boat building..... 2
Slaughtering and meat packing..... 1
Soap..... 1
Structural ironwork, not made in steel works or rolling mills..... 1
Trunks and valises..... 1
Umbrellas and canes..... 2
Window and door screens..... 1

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

$150,860	$121,356	$1,100,486	$850	$15,138	$152,072	$1,370,389	$48,690	$3,389,026	$1,969,947	722	540	20	.....	162	.....	1
64,406	59,080	480,741	115	79,554	49,330	808,095	49,070	1,832,327	975,162	1,404	981	12	1	410	.....	2
460,943	552,678	4,494,626	25,350	84,192	644,923	5,721,074	197,410	14,038,917	8,160,433	3,406	2,088	43	.....	1,275	2	3
120,483	209,070	1,792,407	.....	6,007	290,999	1,951,784	6,874	5,206,650	3,247,992	113	60	.....	.....	53	.....	4

[3] Same number reported for one or more other months.

[4] Same number reported throughout the year.

GEORGIA.

By F. W. Chase.

GENERAL STATISTICS.

General character of the state.—Georgia is one of the thirteen original states. With a gross area of 59,265 square miles, of which 58,725 represent land surface, it ranks twentieth in size among the states of the Union. Its inhabitants in 1900 numbered 2,216,331, in 1910, 2,609,121; and its estimated population in 1914 was 2,777,000. In total population Georgia ranked tenth among the states in 1910; and in density of population it ranked twenty-first, with 44.4 inhabitants per square mile, the corresponding figure for 1900 being 37.7.

The urban population in 1910—that is, the population residing in incorporated places of 2,500 or more—was 538,650, or 20.6 per cent of the total, as against 15.6 per cent in 1900. There were in the state in 1914 nine cities, each with an estimated population of more than 10,000: Athens, Atlanta, Augusta, Brunswick, Columbus, Macon, Rome, Savannah, and Waycross. These cities, whose aggregate population constituted 15.2 per cent of the estimated total population of Georgia in that year, reported 39 per cent of the value of the state's manufactured products.

The steam-railway mileage of Georgia in 1914 was 7,433, and the electric-railway mileage in 1912 was 341. The railway transportation facilities are supplemented by four rivers, which are generally navigable as far north as a line extending from Augusta to Columbus and by numerous fine harbors on the Atlantic.

In addition, foreign and domestic commerce are important factors in furthering its manufacturing interests, Savannah being one of the most important seaports of the South.

Cotton raising is the leading industry. Of the total value of crops grown in Georgia in 1909, $226,595,436, this staple (including its seed) contributed $149,937,058, or nearly two-thirds. The state's production of cotton in 1914 was 2,718,037 equivalent 500-pound bales, or about one-sixth of the total yield in the United States.

The value of merchandise exported during the fiscal year 1914 from the four ports of entry comprised in the Georgia customs district was $110,594,981. The exports of Savannah amounted to $90,738,842.

Importance and growth of manufactures.—Georgia's manufactured products in 1914 were valued at $253,270,511, and the average number of wage earners employed in its manufacturing industries was 104,461. In that year the state ranked twenty-second in the former respect and sixteenth in the latter; the corresponding rankings in 1909 were twenty-fourth and seventeenth as measured by value. The output of manufactured products in Georgia in 1914 represented 1 per cent of the total for the United States, practically the same as in 1909.

Table 1 summarizes the more important data relative to all classes of manufactures combined for the censuses of 1914, 1909, 1904, and 1899, and gives percentages of increase from census to census.

Table 1	Manufacturing industries.				Per cent of increase.[1]		
	1914	1909	1904	1899	1909–1914	1904–1909	1899–1904
Number of establishments	4,639	4,792	3,219	3,015	−3.2	48.9	6.8
Persons engaged	118,565	118,036	102,365	(2)	0.4	15.3	.....
Proprietors and firm members	4,443	5,141	3,512	(2)	−13.6	46.4	.....
Salaried employees	9,661	8,307	6,104	3,815	16.3	36.1	60.0
Wage earners (average number)	104,461	104,588	92,749	83,336	−0.1	12.8	11.3
Primary horsepower	357,403	298,241	220,419	136,499	19.8	35.3	61.5
Capital	$258,325,811	$202,777,665	$135,211,551	$79,303,316	27.4	50.0	70.5
Salaries and wages	49,950,684	43,866,425	33,319,963	23,161,796	13.9	31.7	43.9
Salaries	11,822,277	9,061,607	5,927,521	3,203,643	30.5	52.9	85.0
Wages	38,128,407	34,804,818	27,392,442	19,958,153	9.5	27.1	37.2
Paid for contract work	817,739	757,905	656,575	(2)	7.9	15.4	.....
Rent and taxes (including internal revenue)	2,785,194	1,981,845	[3] 1,146,250	(2)	40.5	.....	.....
Cost of materials	160,088,609	116,969,764	83,624,504	49,356,296	36.9	39.9	69.4
Value of products	253,270,511	202,863,262	151,040,455	94,532,368	24.8	34.3	59.8
Value added by manufacture (value of products less cost of materials)	93,181,902	85,893,498	67,415,951	45,176,072	8.5	27.4	49.2

[1] A minus sign (−) denotes decrease. [2] Figures not available. [3] Exclusive of internal revenue.

There was an increase from 1909 to 1914 in most of the items shown in the preceding table. The decreases in number of establishments, proprietors, and firm members, and average number of wage earners are due primarily to the fact that at the census of 1909 a large number of reports were secured from small lumber mills. Mills engaged exclusively in custom sawing for consumption in the immediate neighborhood should not be included in the census, but it is not always possible to conduct the enumeration in regard to these establishments on uniform lines at different censuses. The decreases under these conditions are no indication of a decrease in the manufacturing activities of the state.

Table 2 shows the relative importance of the leading manufacturing industries in 1914, and the percentages of increases for the three five-year periods from 1899 to 1914.

Table 2

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904
All industries	4,639	104,461	100.0	$253,270,511	100.0	$93,181,902	100.0	−0.1	12.8	11.3	24.8	34.3	59.8	8.5	27.4	49.2
Cotton goods	118	30,719	29.4	59,982,008	23.7	18,772,434	20.1	10.5	15.2	32.0	24.9	36.6	90.6	17.4	41.0	54.4
Oil, cottonseed, and cake	153	4,212	4.0	32,714,801	12.9	5,478,881	5.9	45.8	25.2	45.0	38.4	74.6	67.9	30.4	84.4	24.1
Fertilizers	230	3,833	3.7	29,045,903	11.5	7,825,983	8.4	38.4	26.4	95.0	72.9	77.6	181.0	33.6	99.6	188.5
Lumber and timber products	1,588	18,196	17.4	22,114,995	8.7	12,803,996	13.7	−18.2	13.1	0.3	−10.2	13.8	21.4	−20.6	7.6	32.1
Food preparations, not elsewhere specified	15	692	0.7	16,824,265	6.6	2,777,279	3.0	220.4	.....	.....	162.5	.....	.....	213.1	.....	.....
Cars and general shop construction and repairs by steam-railroad companies	34	6,943	6.7	8,970,460	3.5	4,850,393	5.2	10.8	31.2	50.5	37.3	36.9	55.9	35.8	31.4	51.9
Printing and publishing	441	2,476	2.4	7,575,931	3.0	5,603,577	6.0	3.4	15.9	11.0	18.4	60.8	67.2	16.5	63.1	66.9
Flour-mill and gristmill products	128	367	0.4	6,083,760	2.4	829,580	0.9	−4.9	−16.8	3.6	−24.0	−2.2	53.6	−34.7	39.1	4.0
Foundry and machine-shop products	116	2,648	2.5	5,829,907	2.3	3,270,783	3.5	−8.4	−7.1	28.8	0.4	10.3	47.5	4.0	−2.1	63.5
Hosiery and knit goods	22	3,468	3.3	4,892,931	2.0	1,830,079	2.0	26.4	41.8	60.2	51.3	39.0	89.0	34.5	49.7	91.8
Turpentine and rosin	562	9,118	8.7	4,607,590	1.8	3,434,960	3.7	−28.7	9.0	−38.8	−33.6	−10.0	−5.0	−39.5	−13.3	12.6
Marble and stone work	100	2,622	2.5	3,651,595	1.4	2,537,931	2.7	24.9	4.0	169.8	37.9	10.0	183.6	36.8	4.1	219.9
Mineral and soda waters	204	846	0.8	3,385,747	1.3	1,662,040	1.8	55.2	58.0	.....	84.5	96.4	375.4	90.1	55.6	329.0
Bread and other bakery products	107	726	0.7	2,537,212	1.0	1,018,115	1.1	47.8	24.0	64.3	65.6	63.8	56.4	69.7	60.0	22.1
Clothing, men's, including shirts	21	1,303	1.2	2,518,386	1.0	894,661	1.0	4.9	21.5	−19.9	30.2	30.5	32.2	16.8	38.5	19.2
Brick, tile, pottery, and other clay products	67	1,907	1.8	2,421,149	1.0	1,587,823	1.7	−23.5	22.3	2.6	4.1	27.9	44.3	−3.0	25.2	37.2
Carriages and wagons and materials	65	955	0.9	2,354,208	0.9	990,208	1.1	−9.8	−5.0	38.0	−8.0	11.2	74.9	−17.0	10.4	38.1
Confectionery	18	636	0.6	2,065,088	0.8	822,293	0.9	−1.9	10.0	46.5	−4.9	38.3	88.7	11.2	23.1	92.0
Ice, manufactured	74	890	0.9	2,064,984	0.8	1,453,498	1.6	80.2	23.8	59.0	77.6	35.5	87.7	63.7	35.0	99.4
Furniture	34	1,365	1.3	2,042,263	0.8	993,096	1.1	−2.9	−23.1	35.0	−0.9	−2.6	66.1	−15.6	−3.0	60.4
Gas, illuminating and heating	19	560	0.5	2,020,780	0.8	1,367,791	1.5	22.0	−4.8	77.8	41.9	34.3	60.5	29.4	37.3	48.4
Leather goods	40	778	0.7	2,003,724	0.8	590,178	0.6	13.9	−33.1	51.5	−3.9	0.7	61.9	−21.7	0.9	68.2
Agricultural implements	18	577	0.6	1,501,347	0.6	656,518	0.7	4.5	−5.5	62.2	34.4	7.4	40.9	22.9	21.9	46.0
Copper, tin, and sheet-iron products	23	499	0.5	1,375,978	0.5	596,863	0.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Patent medicines and compounds and druggists' preparations	45	155	0.1	1,219,358	0.5	627,088	0.7	−26.2	25.0	−5.1	−14.2	−7.8	34.4	−35.9	−19.9	84.9
Boxes and cartons, paper	5	363	0.3	1,124,562	0.4	338,368	0.4	17.5	79.7	39.8	−1.4	516.2	51.6	−4.4	261.2	2.1
Mattresses and spring beds	17	299	0.3	915,941	0.4	409,141	0.4	−3.5	37.2	247.7	−3.5	39.4	196.1	−6.4	67.4	214.5
Liquors, malt	3	193	0.2	871,764	0.3	491,670	0.5	−9.0	−33.5	6.3	−27.8	−6.0	32.0	−37.8	−19.1	40.3
Bags, other than paper	4	287	0.3	698,081	0.3	416,761	0.4	42.1	.....	.....	15.5	.....	.....	202.1	.....	.....
Woolen goods	3	524	0.5	597,876	0.2	243,329	0.3	−20.6	2.0	15.3	−31.4	32.8	33.6	−43.1	84.5	10.0
All other industries	365	6,304	6.0	19,257,917	7.7	8,006,585	8.6	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 34; a minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures can not be given.

Separate statistics are presented for 30 industries, or industry groups, for each of which products valued at more than $500,000 were reported for 1914. These industries include 5 with products exceeding $10,000,000 in value, 4 with products between $5,000,000 and $10,000,000, and 13 with products between $2,000,000 and $5,000,000 in value. Among those included under the head of "All other industries," the statistics for which can not be shown separately without the possibility of disclosing the operations of individual establishments, are a number which have products exceeding in value some for which figures are shown in this table as follows—bags, other than paper; leather belting; cordials and flavoring sirups; iron and steel, steel works and rolling mills; leather, tanned and curried; slaughtering and meat packing; and cotton waste. The industries in this table are arranged in the order of their importance as shown by value of products, but the arrangement would differ considerably from that given if based on average number of wage earners or value added by manufacture. Cotton goods holds first place in all three respects. Oil, cottonseed, and cake, second in value of products, was fifth in number of wage earners and in value added by manufacture. Fertilizers, third in value of products and in value added by manufacture, was sixth in number of wage earners. Flour-mill and gristmill products was eighth in value of products, twenty-fourth in average number of wage earners, and nineteenth in value added by

manufacture. The latter industry consists largely of the simple process of grinding grain, requiring few employees, and the proportional value added to the raw material by manufacture is very small in comparison with the corresponding proportions for most other industries.

In rank according to value of products there were few important changes in 1914 as compared with 1909. Of the more important industries shown in this table, cotton goods is the only industry holding the same rank as in 1909.

Oil, cottonseed, and cake, and fertilizers have advanced from third and fourth places in 1909 to second and third in 1914, while lumber and timber products, flour-mill and gristmill products and turpentine and rosin dropped during this period from second, fifth, and sixth place to fourth, eighth, and eleventh, respectively. Slight changes are noticeable in the remaining industries from census to census.

Cotton goods.—The establishments under this classification comprise mills primarily engaged in the manufacture of cotton goods. At the 1914 census the 118 establishments engaged in this industry reported products amounting to 23.7 per cent of the total products for all industries and 29.4 per cent of the total wage earners. During the five-year period, 1909–1914, the total value of products increased from $48,037,000 to $59,982,000, or 24.9 per cent, the average number of wage earners from 27,803 to 30,719, or 10.5 per cent, and the value added by manufacture from $15,988,000 to $18,772,000, or 17.4 per cent.

Hosiery and knit goods.—Closely allied to the cotton industry in this state is the manufacture of hosiery and knit goods, which are made almost entirely of cotton materials. Although the value of products of this industry is small when compared with the product reported for cotton goods, it amounted in 1914 to $4,892,931, representing an increase of 51.3 per cent since 1909.

Oil, cottonseed, and cake.—The statistics presented comprise those for all establishments reported as engaged primarily in extracting oil from cotton seed or in refining crude cottonseed oil. This industry shows a considerable increase from census to census, in value of products and in number of wage earners. For the three five-year periods 1909–1914, 1904–1909, and 1899–1904 the percentages of increase in value of products were 38.4, 74.6, and 67.9, respectively; and the percentages of increase in wage earners for the same periods were 45.8, 25.2, and 45, respectively.

Fertilizers.—This industry, measured by value of products, ranked fourth in 1909, but takes third place in 1914, reporting 230 establishments and giving employment to an average of 3,833 wage earners. For the five-year period 1909–1914 this industry shows an increase of 38.4 per cent in wage earners and 72.9 per cent in value of products. The increased production of fertilizers in the state was due to the greater demand for fertilizers, the increase in the manufacture of cottonseed oil, and the extensive use of phosphate rock.

Lumber and timber products.—This industry, which embraces logging operations, sawmills, planing mills, and wooden-box factories, was fourth in importance in 1914, dropping from second place in 1909, for reasons explained in the discussion of Table 1. It continues, however, to be the second industry in the state in point of average number of wage earners. The product reported in 1914 was $22,115,000 and in 1909 $24,632,000, a decrease of 10.2 per cent, whereas the increase for the decade 1904–1914 was 2.2 per cent; these figures tend to emphasize the fluctuation in the enumeration of this industry.

Persons engaged in manufacturing industries.—Table 3 presents, for 1909 and 1914, the number of persons engaged in manufactures, distributed by sex; the average number of wage earners being distributed also by age. The sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms."

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.				
		Total.	Male.	Female.	Per cent of total.	
					Male.	Female.
All classes	1914	118,565	101,199	17,366	85.4	14.6
	1909	118,036	100,245	17,791	84.9	15.1
Proprietors and officials	1914	8,641	8,488	153	98.2	1.8
	1909	8,793	8,655	138	98.4	1.6
Proprietors and firm members	1914	4,443	4,327	116	97.4	2.6
	1909	5,141	5,026	115	97.8	2.2
Salaried officers of corporations	1914	1,504	1,481	23	98.5	1.5
	1909	1,385	1,372	13	99.1	0.9
Superintendents and managers	1914	2,694	2,680	14	99.5	0.5
	1909	2,237	2,257	10	99.6	0.4
Clerks and other subordinate salaried employees	1914	5,463	4,679	784	85.6	14.4
	1909	4,655	3,953	702	84.9	15.1
Wage earners (average number)	1914	104,461	88,032	16,429	84.3	15.7
	1909	104,588	87,637	16,951	83.8	16.2
16 years of age and over	1914	97,633	82,878	14,755	84.9	15.1
	1909	98,547	83,998	14,549	85.2	14.8
Under 16 years of age	1914	6,828	5,154	1,674	75.5	24.5
	1909	6,041	3,639	2,402	60.2	39.8

In 1914 the number of persons engaged in manufactures was 118,565, of whom 104,461, or nearly nine-tenths, were wage earners, 8,641 were proprietors and officials, and 5,463 were clerks and other subordinate salaried employees. Of the wage earners 16 years of age and over 84.9 per cent were males and 15.1 per cent females. Corresponding figures for individual industries will be found in Table 35.

Table 4 shows, for the several classes of persons engaged in manufactures, the percentage of increase from 1909 to 1914 and the per cent distribution at the two censuses.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Per cent of increase,[1] 1909–1914. Total.	Male.	Female.	Per cent distribution. Total. 1914	Total. 1909	Male. 1914	Male. 1909	Female. 1914	Female. 1909
All classes	0.4	1.0	−2.4	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	−1.7	−1.9	10.9	7.3	7.4	8.4	8.6	0.9	0.8
Proprietors and firm members	−13.6	−13.9	0.9	3.7	4.3	4.3	5.0	0.7	0.6
Salaried officers of corporations	8.6	7.9	.....	1.3	1.2	1.5	1.4	0.1	0.1
Superintendents and managers	18.8	18.7	.....	2.3	1.9	2.6	2.2	0.1	0.1
Clerks and other subordinate salaried employees	17.4	18.4	11.7	4.6	3.9	4.6	3.9	4.5	3.9
Wage earners (average number)	−0.1	0.5	−3.1	88.1	88.6	87.0	87.4	94.6	95.3
16 years of age and over	−0.9	−1.3	1.4	82.3	83.5	81.9	83.8	85.0	81.8
Under 16 years of age	13.0	41.6	−30.3	5.8	5.1	5.1	3.6	9.6	13.5

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

This table shows an increase during the five-year period for the several classes of employees. Among those showing decreases are proprietors and firm members and female wage earners under 16 years of age. The largest percentage of increase for both sexes combined, 18.8, is for superintendents and managers. For the five-year period 1909–1914 there was an increase in the employment of child labor in Georgia, notwithstanding the decrease for females under 16 years of age. This decrease was more than offset by the marked increase, 41.6 per cent, among males of that age. Wage earners 16 years of age and over represented 82.3 per cent of the total number of persons engaged in manufacturing industries in the state in 1914 and 83.5 per cent in 1909.

In order to compare the distribution of persons engaged in manufactures in 1914 with that shown at the census of 1904 it is necessary to use the classification employed at the earlier census. (See "Explanation of terms.") The following table makes this comparison according to occupational status:

Table 5

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Number. 1914	1909	1904	Per cent distribution. 1914	1909	1904	Per cent of increase.[1] 1909–1914	1904–1909
Total	118,565	118,036	102,365	100.0	100.0	100.0	0.4	15.3
Proprietors and firm members	4,443	5,141	3,512	3.7	4.4	3.4	−13.6	46.4
Salaried employees	9,661	8,307	6,104	8.1	7.0	6.0	16.3	36.1
Wage earners (average number)	104,461	104,588	92,749	88.1	88.6	90.6	−0.1	12.8

[1] A minus sign (−) denotes decrease.

Of the three classes appearing in this table, salaried employees shows an increase for each five-year period; it is, however, greater for the earlier period.

Table 6 presents, for 1914, 1909, and 1904, for all industries combined and for important industries separately for 1914 and 1909, the average number of wage earners employed and their per cent distribution as males 16 years of age and over, females 16 years of age and over, and children under 16 years of age.

Table 6

INDUSTRY.	Census year.	WAGE EARNERS. Average number.[1]	Per cent of total. 16 years of age and over. Male.	Female.	Under 16 years of age.
All industries	1914	104,461	79.3	14.1	6.5
	1909	104,588	80.3	13.9	5.8
	1904	92,749	78.5	13.6	7.9
Agricultural implements	1914	577	97.1	.....	2.9
	1909	552	96.4	0.2	3.4
Bread and other bakery products	1914	726	78.9	17.9	3.2
	1909	491	85.3	8.3	6.3
Brick, tile, pottery, and other clay products.	1914	1,907	98.9	(2)	1.0
	1909	2,493	97.8	(2)	2.1
Carriages and wagons and materials	1914	955	98.5	0.7	0.8
	1909	1,059	96.6	0.3	3.1
Cars and general shop construction and repairs by steam-railroad companies.	1914	6,943	99.8	0.1	(2)
	1909	6,269	99.5	0.5	(2)
Clothing, men's, including shirts	1914	1,303	11.1	87.3	1.6
	1909	1,242	12.8	85.2	2.0
Confectionery	1914	726	49.4	49.0	1.5
	1909	648	43.7	52.0	4.3
Cotton goods	1914	30,719	53.5	27.8	18.7
	1909	27,803	52.6	32.4	15.0
Fertilizers	1914	3,833	99.4	(2)	0.5
	1909	2,770	98.7	0.1	1.2
Food preparations, not elsewhere specified	1914	692	97.1	2.9	.....
	1909	216	97.2	2.3	0.5
Foundry and machine-shop products	1914	2,648	99.3	0.1	0.6
	1909	2,892	98.9	(2)	1.1
Furniture	1914	1,365	94.3	1.3	4.4
	1909	1,406	93.0	2.0	5.0
Hosiery and knit goods	1914	3,468	35.0	56.2	8.8
	1909	2,743	28.8	55.1	16.1
Ice, manufactured	1914	890	96.3	0.2	3.5
	1909	494	97.6	.....	2.4
Leather goods	1914	778	89.8	9.2	0.9
	1909	683	79.9	14.3	5.7
Lumber and timber products	1914	18,196	98.8	0.7	0.5
	1909	22,257	98.6	0.4	1.0
Marble and stone work	1914	2,622	99.0	.....	1.0
	1909	2,099	97.4	.....	2.6
Mineral and soda waters	1914	846	96.3	0.8	2.8
	1909	545	93.6	0.6	5.9
Oil, cottonseed, and cake	1914	4,212	99.8	(2)	0.1
	1909	2,888	99.7	0.1	0.2
Printing and publishing	1914	2,476	81.6	15.2	3.2
	1909	2,395	77.9	15.9	6.2
Turpentine and rosin	1914	9,118	99.3	(2)	0.6
	1909	12,787	98.5	.....	1.5
All other industries	1914	9,461	76.0	21.0	2.9
	1909	9,856	76.2	19.8	4.0

[1] For method of estimating the distribution, by sex and age periods, of the average number for all industries combined, see "Explanation of terms."
[2] Less than one-tenth of 1 per cent.

For all industries combined, the proportion of male wage earners 16 years of age and over shows only a very slight change from census to census, while the proportion of females is practically the same. The proportion of children under 16 employed as wage earners shows a decrease from 1904 to 1909 but an increase from 1909 to 1914.

Of the 17 industries for which separate figures are given in this table, 14 show an increase from 1909 to 1914 in proportion of males and 7 an increase in proportion of females, while in only two—cotton goods and manufactured ice—was there an increase in proportion of children under 16 years of age. Men's clothing and hosiery and knit goods are the only industries in which the proportion of women employed as wage earners is greatly in excess of that for men. The textile industries gave employment to a considerable proportion of the children. Nearly one-fifth of those engaged in the manufacture of cotton goods were under 16 years of age. In the hosiery and knit-goods industry children under 16 years of age formed 16.1 per cent of the total number of wage earners in 1909, but by 1914 the proportion had fallen to 8.8 per cent.

Table 7 shows the average number and per cent distribution of wage earners employed in each of the nine cities having more than 10,000 inhabitants, classified according to age periods, and in case of those 16 years of age and over, according to sex, for 1914, 1909, and 1904.

Table 7

SEX AND AGE.	Census year.	AVERAGE NUMBER OF WAGE EARNERS IN—								
		Athens.	Atlanta.	Augusta.	Brunswick.	Columbus.	Macon.	Rome.	Savannah.	Waycross.
Total	1914	1,308	12,585	4,925	743	4,802	4,047	1,389	2,485	1,302
	1909	962	12,302	5,073	385	[1] 4,593	[1] 3,606	1,014	[1] 2,649	1,130
	1904	509	11,891	4,839	254	4,434	3,661	.....	3,230	.....
16 years of age and over:										
Male	1914	802	9,244	3,598	559	3,374	3,501	955	1,928	1,283
	1909	609	8,792	3,495	287	3,074	2,957	755	2,321	1,127
	1904	410	8,624	2,923	239	3,013	2,714	.....	2,978	.....
Female	1914	354	3,074	1,175	183	1,151	462	379	476	16
	1909	267	2,905	1,375	55	1,179	474	192	295	2
	1904	64	2,539	1,493	8	1,064	598	.....	232	.....
Under 16 years of age	1914	152	267	152	1	277	84	55	81	3
	1909	86	605	293	43	340	175	67	33	1
	1904	35	728	423	7	357	349	.....	20	.....
Per cent of total:										
16 years of age and over—										
Male	1914	61.3	73.5	73.0	75.2	70.3	86.5	68.8	77.6	98.5
	1909	63.3	71.5	68.9	74.5	66.9	82.0	74.5	87.6	99.7
	1904	80.6	72.5	60.4	94.1	68.0	74.1	.....	92.2	.....
Female	1914	27.1	24.4	23.9	24.6	24.0	11.4	27.3	19.2	1.2
	1909	27.8	23.6	27.1	14.3	25.7	13.1	18.9	11.1	0.2
	1904	12.6	21.4	30.9	3.1	24.0	16.3	.....	7.2	.....
Under 16 years of age	1914	11.6	2.1	3.1	0.1	5.8	2.1	4.0	3.2	0.2
	1909	8.9	4.9	4.0	11.2	7.4	4.9	6.6	1.2	0.1
	1904	6.9	6.1	8.7	2.8	8.1	9.5	.....	0.6	.....

[1] Figures do not agree with those published, because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

Table 8 gives percentages of increase from census to census, based on the figures in Table 7.

The proportion of male wage earners 16 years of age and over is greatly in excess of that for females in every city except Athens, where the sexes were more evenly distributed. Most of the cities show decreases from census to census in both numbers and proportions of wage earners under 16 years of age. The only cities showing increases in this respect during the last five-year period were Athens, Savannah, and Waycross.

Atlanta, the most important city of the state, showed increases in all classes of wage earners employed during the five-year period 1909–1914.

Next to Atlanta, the greatest number of wage earners are reported in Augusta; while it has less than one-half the number of employees reported for Atlanta, it shows an increase from 1909 to 1914 in the number of adult males but a decrease among adult females and children. The highest percentage of increase during the last five-year period in total number of wage earners, 93, is shown for Brunswick; the next, 37, for Rome; and third, 36, for Athens.

Table 8

CITY.	PER CENT OF INCREASE IN AVERAGE NUMBER OF WAGE EARNERS.[1]				
	Period.	Total.	16 years of age and over.		Under 16 years of age.
			Male.	Female.	
Athens	1904–1914	157.0	95.6	.....	.....
	1909–1914	36.0	31.7	32.6	.....
	1904–1909	89.0	48.5	.....	.....
Atlanta	1904–1914	5.8	7.2	21.1	−63.3
	1909–1914	2.3	5.1	5.8	−55.9
	1904–1909	3.4	1.9	14.4	−16.9
Augusta	1904–1914	1.8	23.1	−21.3	−64.1
	1909–1914	−2.9	2.9	−14.5	−25.1
	1904–1909	4.8	19.6	−7.9	−52.0
Brunswick	1904–1914	192.5	133.9	.....	.....
	1909–1914	93.0	94.8	.....	.....
	1904–1909	51.6	20.1	.....	.....
Columbus	1904–1914	8.3	12.0	8.2	−22.4
	1909–1914	4.6	9.8	−2.4	−18.5
	1904–1909	3.6	2.0	10.8	−4.8
Macon	1904–1914	10.5	20.0	−22.7	−75.9
	1909–1914	12.2	18.4	−2.5	−52.0
	1904–1909	−1.5	9.0	−20.7	−49.8
Rome	1909–1914	37.0	26.5	97.4	.....
Savannah	1904–1914	−23.1	−35.3	105.2	.....
	1909–1914	−6.2	−16.9	61.4	.....
	1904–1909	−18.0	−22.1	27.2	.....
Waycross	1909–1914	15.2	13.8	.....	.....

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

Wage earners employed, by months.—Table 9 gives, for all industries combined, the total number of wage earners employed on the 15th of each month, or the nearest representative day, for the years 1914 and 1909 and the average number employed during each month in 1904, together with the percentage which the number reported for each month forms of the greatest number reported for any month.

Table 9

MONTH.	WAGE EARNERS IN MANUFACTURING INDUSTRIES.					
	Number.[1]			Per cent of maximum.		
	1914	1909	1904	1914	1909	1904
January	109,508	103,477	90,701	95.0	94.2	94.4
February	113,257	107,544	90,957	98.2	97.9	94.7
March	115,286	108,271	96,087	100 0	98.6	100.0
April	109,489	102,881	95,557	95.0	93.7	99.4
May	103,590	98,622	92,773	89.9	89.8	96.6
June	101,939	99,445	92,347	88.4	90.5	96.1
July	101,703	99,518	91,154	88.2	90.6	94.9
August	100,898	102,577	89,226	87.5	93.4	92.9
September	100,934	106,033	91,742	87.6	96.5	95.5
October	100,428	107,837	95,609	87.1	98.2	99.5
November	98,749	109,012	95,723	85.6	99.2	99.6
December	97,751	109,839	91,112	84.8	100.0	94.8

[1] The figures for 1914 and 1909 represent the number employed on the 15th of each month, or the nearest representative day; those for 1904, the average number employed during the month.

For 1914 February and March show the greatest activity in the combined industries of the state, the maximum number of wage earners appearing for March. The year 1909 shows quite the reverse, November and December being the season of greatest activity, while in 1904 the maximum was March.

The total average number of wage earners employed during 1914 is shown in Table 10, together with the total number employed on the 15th of each month, or the nearest representative day, for the combined industries of the state, for a number of selected industries, and for the total industries of each of the nine cities having a population of more than 10,000.

Of the selected industries, other than those classed as seasonal, agricultural implements, carriages and wagons, men's clothing, and furniture and refrigerators, show the greatest degree of fluctuation in the number of wage earners employed. Bread and bakery products and printing and publishing show the greatest stability of employment. Of the nine cities, Brunswick shows much the greatest fluctuation, the proportion that the minimum formed of the maximum being 41.7 per cent.

Table 10

WAGE EARNERS: 1914.
[Month of maximum employment for each industry is indicated by **boldface** figures and that of minimum by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	Number employed on 15th day of the month or nearest representative day.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	104,461	109,508	113,257	**115,286**	109,489	103,590	101,939	101,703	100,898	100,934	100,428	98,749	*97,751*	84.8
Agricultural implements	577	**798**	749	607	556	482	*407*	469	558	545	538	571	644	51.0
Bread and other bakery products	726	*701*	705	717	729	737	**739**	738	738	731	722	725	730	94.9
Brick, tile, pottery, and other clay products	1,907	1,937	1,848	1,895	2,151	2,148	2,191	**2,200**	2,164	1,823	1,670	1,436	*1,421*	64.6
Carriages and wagons and materials	955	1,106	**1,154**	1,153	1,095	1,054	1,131	1,110	1,041	814	601	618	*583*	50.5
Cars and general shop construction and repairs by steam-railroad companies	6,943	7,041	6,969	7,062	7,037	6,987	6,988	7,142	7,098	6,927	6,760	*6,648*	6,657	93.1
Clothing, men's, including shirts	1,303	1,435	1,500	1,523	1,502	1,493	1,441	1,489	1,352	1,142	927	*897*	935	58.9
Cotton goods	30,719	**31,763**	31,725	31,567	31,131	30,804	30,776	30,085	*29,259*	29,776	30,268	30,664	30,810	92.1
Fertilizers	3,833	3,729	7,459	**9,997**	6,577	3,142	2,113	*1,920*	1,935	2,061	2,302	2,301	2,460	19.2
Foundry and machine-shop products	2,648	2,806	2,755	2,721	2,679	2,715	2,818	2,871	**2,921**	2,576	2,434	*2,231*	2,249	76.4
Furniture	1,365	1,546	**1,593**	1,488	1,498	1,488	1,492	1,447	1,412	1,172	1,090	1,094	*1,060*	66.5
Hosiery and knit goods	3,468	**3,581**	3,530	3,525	3,484	3,446	3,500	3,480	3,504	3,420	3,487	3,422	*3,237*	90.4
Ice, manufactured	890	*606*	617	692	875	1,063	1,212	**1,250**	1,170	1,059	821	681	634	48.5
Lumber and timber products	18,196	19,965	20,104	**20,395**	19,257	18,645	17,781	17,783	18,214	17,001	16,465	*16,278*	16,464	79.8
Marble and stone work	2,622	2,371	2,505	2,659	2,617	2,779	2,807	**2,882**	2,793	2,826	2,749	2,410	*2,066*	71.7
Oil, cottonseed, and cake	4,212	5,854	5,555	4,688	2,949	1,597	1,340	*1,284*	2,126	5,389	**6,686**	6,648	6,428	19.2
Printing and publishing	2,476	2,489	2,501	2,501	**2,540**	2,523	2,524	2,494	2,453	2,429	2,427	2,420	*2,411*	94.9
Turpentine and rosin	9,118	8,625	8,814	9,345	10,015	**10,116**	9,884	10,032	9,322	9,070	8,424	8,055	*7,714*	76.3
All other industries	12,503	13,155	13,174	12,751	12,797	12,371	12,795	13,027	12,838	12,173	12,057	11,650	*11,248*	85.4
Total for cities	33,586	34,882	**35,583**	35,568	34,900	33,340	33,159	33,140	33,126	32,890	32,642	*31,854*	31,948	89.5
ATHENS	1,308	1,393	1,421	1,417	1,397	1,313	1,283	1,239	1,272	1,235	1,239	*1,226*	1,261	86.3
ATLANTA	12,585	13,060	13,224	**13,396**	13,246	12,629	12,446	12,449	12,393	12,291	12,193	11,920	*11,773*	87.9
AUGUSTA	4,925	4,708	5,030	5,194	5,110	5,090	5,048	5,013	*4,653*	4,811	4,926	4,746	4,771	89.6
BRUNSWICK	743	1,093	1,098	679	724	470	*458*	474	772	768	764	822	794	41.7
COLUMBUS	4,802	**5,019**	5,005	4,927	4,838	4,864	4,813	4,855	4,856	4,770	4,611	*4,449*	4,617	88.6
MACON	4,047	4,220	4,227	**4,516**	4,271	3,910	3,934	4,004	4,015	*3,826*	3,951	3,863	3,827	84.7
ROME	1,389	1,523	**1,543**	1,416	1,369	*1,299*	1,356	1,318	1,398	1,395	1,355	1,314	1,382	84.2
SAVANNAH	2,485	2,612	2,750	**2,768**	2,632	2,446	2,448	2,418	2,380	2,421	2,353	*2,292*	2,300	82.8
WAYCROSS	1,302	1,254	1,285	1,255	1,313	1,319	1,373	1,370	1,387	1,373	1,250	*1,222*	1,223	88.1

Prevailing hours of labor.—Table 11 presents, for 1914 and 1909, for all industries combined and for selected industries separately a classification of wage earners according to number of hours of labor per week prevailing in the establishments in which they were employed. A similar classification is given, for 1914 only, for all industries combined in each city having more than 10,000 inhabitants. The number employed

in each establishment is classified as a total, even though a few employees worked a greater or a smaller number of hours.

The figures in this table for the state as a whole and for the selected industries illustrate the tendency toward a shortening of the work day of wage earners. In 1914, for all industries combined and for the most of them separately, the majority of the wage earners were employed in establishments in which the prevailing hours of labor were 60 per week. In 1909, 28,880, about one-fourth of the total average number of wage earners for all industries combined, were employed in establishments where the prevailing hours of labor were more than 60 per week, whereas 12,495, or only about one-tenth, were so employed in 1914. Sixty hours per week is the term of employment in most general use in Georgia, and the establishments reporting it giving employment to 51,424, or 49.2 per cent of the total for the state, in 1909, and to 59,608, or 57.1 per cent of the total, in 1914. During the five-year period there was a marked increase in the proportion of wage earners reported for the establishments in each of the four classes working less than 60 hours per week.

Table 11

Industry and city.	Census year.	Average number of wage earners.								
		Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
All industries	1914	104,461	8,809	5,915	8,538	9,096	59,608	7,162	3,868	1,465
	1909	104,588	7,075	2,948	6,709	7,552	51,424	23,507	3,949	1,424
Agricultural implements	1914	577	.....	77	.....	52	448	.....	.....	.....
	1909	552	.....	3	.....	106	443	.....	.....	.....
Bread and other bakery products	1914	726	78	40	140	5	256	114	73	20
	1909	491	17	.....	9	65	240	80	34	46
Brick, tile, pottery, and other clay products	1914	1,907	45	186	148	200	1,082	238	8	.....
	1909	2,493	64	160	.....	254	1,716	285	.....	14
Carriages and wagons and materials	1914	955	12	2	42	169	730	.....	.....	.....
	1909	1,059	50	.....	14	142	847	3	3	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	6,943	578	378	4,688	.....	55	1,244	.....	.....
	1909	6,269	.....	412	4,440	318	1,082	9	.....	8
Clothing, men's, including shirts	1914	1,303	669	77	164	373	20	.....	.....	.....
	1909	1,242	724	18	129	248	123	.....	.....	.....
Cotton goods	1914	30,719	.....	.....	.....	117	30,602	.....	.....	.....
	1909	27,803	304	105	.....	519	10,868	15,913	94	.....
Fertilizers	1914	3,833	41	121	542	837	2,163	67	28	34
	1909	2,770	4	7	7	159	2,146	87	108	252
Foundry and machine-shop products	1914	2,648	134	411	341	817	939	4	.....	2
	1909	2,892	5	308	40	796	1,743	.....	.....	.....
Furniture	1914	1,365	15	21	217	300	812	.....	.....	.....
	1909	1,406	.....	112	128	174	992	.....	.....	.....
Hosiery and knit goods	1914	3,468	.....	.....	.....	896	2,346	226	.....	.....
	1909	2,743	.....	.....	.....	1,120	658	965	.....	.....
Ice, manufactured	1914	890	.....	.....	26	5	42	438	94	285
	1909	494	.....	.....	.....	.....	58	34	66	336
Lumber and timber products	1914	18,196	1,293	1,731	504	1,731	8,693	3,980	129	135
	1909	22,257	865	732	144	875	14,722	4,437	452	30
Marble and stone work	1914	2,622	682	429	125	212	1,174	.....	.....	.....
	1909	2,099	952	125	148	130	744	.....	.....	.....
Oil, cottonseed, and cake	1914	4,212	11	14	76	.....	217	579	3,315	.....
	1909	2,888	.....	.....	6	.....	338	359	2,146	39
Printing and publishing	1914	2,476	1,495	292	393	82	191	4	.....	19
	1909	2,395	793	226	664	302	390	.....	1	19
Turpentine and rosin	1914	9,118	2,953	868	90	419	4,700	.....	88	.....
	1909	12,787	2,764	428	139	109	9,032	241	74	.....
All other industries	1914	12,503	803	1,268	1,042	2,881	5,138	268	133	970
	1909	11,948	533	312	841	2,235	5,282	1,094	971	680
Total for cities	1914	33,586	2,928	2,235	5,591	3,633	15,368	2,465	841	525
Athens	1914	1,308	55	.....	77	72	1,037	17	41	9
Atlanta	1914	12,585	1,850	866	2,471	2,527	3,780	363	455	273
Augusta	1914	4,925	170	366	515	20	3,588	218	.....	48
Brunswick	1914	743	.....	237	25	77	381	17	.....	6
Columbus	1914	4,802	37	208	364	141	3,595	389	114	14
Macon	1914	4,047	311	126	1,264	336	1,500	209	193	108
Rome	1914	1,339	31	74	166	199	849	42	10	18
Savannah	1914	2,485	441	349	744	261	584	32	28	46
Waycross	1914	1,302	33	9	25	.....	54	1,178	.....	3

Among the separate industries, cotton goods shows the most pronounced decrease in hours of labor. In 1909, 42.4 per cent of the wage earners in this industry were employed in establishments where the hours of

labor were 60 or less per week, but in 1914 no establishments reported over 60 hours per week. In cars and general shop construction and repairs by steam-railroad companies, however, nearly seven-tenths were reported by establishments where the prevailing hours were 54 per week; and in printing and publishing approximately all the employees were reported in establishments with prevailing hours 48 to 60 per week. This is also true of the following industries: Agricultural implements, carriages and wagons, foundry and machine-shop products, furniture and refrigerators, and marble and stone work.

In the cities the proportion of wage earners in establishments in which the prevailing hours are 60 or less predominate to a large extent; Waycross being the only exception to this rule.

Location of establishments.—Table 12 shows, for 1914, 1909, and 1899, the extent to which the manufactures in Georgia were centralized in the nine cities having more than 10,000 inhabitants.

Table 12

	Census year.	Aggregate.	Cities having a population of 10,000 or over.								Districts outside of cities having a population of 10,000 or over.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places	1914	.....	9	.....	5	.....	3	.....	1	.....	.....	.....
	1910	.....	9	.....	5	.....	3	.....	1	.....	.....	.....
	1900	.....	6	.....	3	.....	3	.....	.....	.....	.....	.....
Population [1]	1914	2,776,513	421,051	15.2	81,634	2.9	160,125	5.8	179,292	6.5	2,355,462	84.8
	1910	2,609,121	373,841	14.3	72,233	2.8	146,769	5.6	154,839	5.9	2,235,280	85.7
	1900	2,216,331	234,688	10.6	51,131	2.3	183,557	8.3	.....	.....	1,981,643	89.4
Number of establishments	1914	4,639	925	19.9	230	5.0	272	5.9	423	9.1	3,714	80.1
	1909	4,792	938	19.6	170	3.6	285	5.9	483	10.1	3,854	80.4
	1899	3,015	509	16.9	151	5.0	358	11.9	.....	.....	2,506	83.1
Average number of wage earners	1914	104,461	33,586	32.2	9,544	9.1	11,457	11.0	12,585	12.0	70,875	67.8
	1909	104,588	31,714	30.3	8,084	7.7	11,328	10.8	12,302	11.8	72,874	69.7
	1899	83,336	23,471	28.2	7,693	9.2	15,778	18.9	.....	.....	59,865	71.8
Value of products	1914	$253,270,511	$98,864,550	39.0	$19,870,462	7.8	$37,715,161	14.9	$41,278,927	16.3	$154,405,961	61.0
	1909	202,863,262	74,414,871	36.7	14,328,986	7.1	27,047,883	13.3	33,038,002	16.3	128,448,391	63.3
	1899	94,532,368	37,344,230	39.5	11,191,072	11.8	26,153,158	27.7	.....	.....	57,188,138	60.5
Value added by manufacture	1914	93,181,902	37,869,835	40.6	7,950,562	8.5	11,757,402	12.6	18,161,871	19.5	55,312,067	59.4
	1909	85,893,498	32,777,875	38.2	5,530,776	6.4	10,627,414	12.4	16,619,685	19.3	53,115,623	61.8
	1899	45,176,072	16,425,644	36.4	4,669,365	10.3	11,756,279	26.0	.....	.....	28,750,428	63.6

[1] Census estimate of population for 1914.

In 1914 the cities which represented 15.2 per cent of the estimated population of the state reported 39 per cent of the total value of products, 32.2 per cent of the total average number of wage earners, and 19.9 per cent of the total number of establishments.

Table 13 shows, for 1914, 1909, and 1904, the relative importance in manufactures of each of the nine cities of more than 10,000 inhabitants, for which comparative statistics are available, as measured by the value of products in 1914.

Measured by the value of products the cities in this table hold the same relative position as in 1909, with the exception of Rome and Athens. In that year Athens ranked sixth and Rome seventh.

Table 13

City.	Average number of wage earners.			Value of products.		
	1914	1909	1904	1914	1909	1904
Atlanta	12,585	12,302	11,891	$41,278,927	$33,038,002	$25,745,650
Macon	4,047	[1] 3,606	3,661	18,867,439	[1] 10,052,361	7,297,347
Augusta	4,925	5,073	4,839	12,138,224	10,456,407	8,829,305
Columbus	4,802	[1] 4,593	4,434	10,619,358	[1] 8,477,653	7,079,702
Savannah	2,485	[1] 2,649	3,230	6,709,408	[1] 6,539,113	6,340,004
Rome	1,389	1,014	.....	3,300,894	1,864,257	.....
Athens	1,308	962	509	3,023,492	2,111,516	1,158,205
Waycross	1,302	1,130	.....	2,085,886	1,203,393	.....
Brunswick	743	385	254	840,833	672,167	406,723

[1] Figures do not agree with those published, because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

Atlanta, the largest city in the state and commercially one of the most important in the South, shows a great diversity in manufacturing activities; among the leading industries being cotton goods, confectionery, foundries and machine shops, lumber and timber, and printing and publishing. For the five-year period 1909–1914 the total value of products increased 24.9 per cent and for the decade 60.3 per cent. The principal activities in Macon are centered in the car shops, cotton manufacturing, food preparations, and oil, cottonseed, and cake. In Augusta cotton manufacturing, fertilizers, and oil, cottonseed, and cake reported products valued at over one million dollars. Columbus has, in addition to the industries mentioned in the last-named two cities, extensive flour mills and gristmills.

Savannah, the second city in the state in respect to population, is less important as a manufacturing city. This is indicated by the fact that it holds only fifth place when ranked by value of products and average number of wage earners; it is, however, the most important seaport of the state, and through it a large part of Georgia's manufactured products are exported or reshipped to other parts of the country. Only one industry—fertilizers—reached $1,000,000 in value of products for the year 1914.

Character of ownership.—Statistics concerning character of ownership, or legal organization, of manufacturing enterprises of Georgia are shown in the following table. Comparative figures for all industries combined are given for 1914, 1909, and 1904; for selected industries, for 1914 and 1909; for individual cities the figures are for all industries combined and relate only to 1914. In order to avoid disclosure of operations of individual establishments, it is necessary to omit several important industries from this table.

Table 14

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.							Value of products.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1914	2,159	1,354	1,126	104,461	12,543	80,181	11,737	12.0	76.8	11.2	$253,270,511	$15,877,335	$221,271,069	$16,122,107	6.3	87.4	6.4
	1909	2,292	1,252	1,248	104,588	16,527	72,207	15,854	15.8	69.0	15.2	202,863,262	19,355,313	165,057,980	18,449,969	9.5	81.4	9.1
	1904	1,401	931	837	92,749	15,673	62,077	14,999	16.9	66.9	16.2	151,040,455	17,808,471	114,976,572	18,255,412	11.8	76.1	12.1
Agricultural implements	1914	4	9	5	577	14	531	32	2.4	92.0	5.5	1,501,347	21,876	1,380,941	98,530	1.4	92.0	6.6
	1909	1	7	9	552	.....	503	[1] 49	.....	91.1	8.9	1,116,700	.....	1,017,640	[1] 99,060	.....	91.1	8.9
Bread and other bakery products.	1914	87	9	11	726	400	249	77	55.1	34.3	10.6	2,537,212	1,084,527	1,147,139	305,546	42.7	45.2	12.0
	1909	93	6	11	491	336	102	53	68.4	20.8	10.8	1,531,978	974,044	387,144	170,790	63.6	25.3	11.2
Brick, tile, pottery, and other clay products	1914	24	30	13	1,907	129	1,590	188	6.8	83.4	9.8	2,421,149	102,100	2,061,805	257,244	4.2	85.2	10.6
	1909	38	38	26	2,493	334	1,897	262	13.4	76.1	10.5	2,324,964	315,333	1,831,857	177,774	13.6	78.8	7.6
Carriages and wagons and materials.	1914	32	17	16	955	223	586	146	23.4	61.4	15.3	2,354,208	440,601	1,658,510	255,097	18.7	70.4	10.8
	1909	45	21	17	1,059	291	629	139	27.5	59.4	13.1	2,560,031	476,012	1,793,256	290,763	18.6	70.0	11.4
Cars and general shop construction and repairs by steam-railroad companies.	1914	.....	34	.....	6,943	.....	6,943	.....	.....	100.0	.....	8,970,460	.....	8,970,460	.....	.....	100.0	.....
	1909	.....	34	.....	6,269	.....	6,269	.....	.....	100.0	.....	6,535,035	.....	6,535,035	.....	.....	100.0	.....
Clothing, men's, including shirts.	1914	4	13	4	1,303	209	722	372	16.0	55.4	28.5	2,518,386	335,124	1,757,769	425,493	13.3	69.8	16.9
	1909	3	13	6	1,242	229	606	407	18.4	48.8	32.8	1,933,659	353,087	798,267	782,305	18.3	41.3	40.4
Cotton goods	1914	6	111	1	30,719	[2] 467	30,252	.....	1.5	98.4	.....	59,982,008	[2] 708,343	59,273,665	.....	1.2	98.8	.....
	1909	6	108	2	27,803	[2] 884	26,919	.....	3.2	96.8	.....	48,036,817	[2] 1,863,939	46,172,878	.....	3.9	96.1	.....
Fertilizers	1914	22	168	40	3,833	50	3,502	281	1.3	91.4	7.3	29,045,903	461,049	26,225,456	2,359,398	1.6	90.3	8.1
	1909	11	78	21	2,770	36	2,472	262	1.3	89.2	9.5	16,800,301	284,545	15,138,939	1,376,817	1.7	90.1	8.2
Foundry and machine-shop products	1914	41	46	29	2,648	234	2,188	226	8.8	82.6	8.5	5,829,907	471,993	5,033,046	324,868	8.1	86.3	5.6
	1909	33	52	22	2,892	224	2,459	209	7.7	85.0	7.2	5,808,152	437,139	4,951,430	419,583	7.5	85.2	7.2
Furniture	1914	5	26	3	1,365	23	1,310	32	1.7	96.0	2.3	2,042,263	35,937	1,939,926	66,400	1.8	95.0	3.2
	1909	11	23	8	1,406	85	1,262	59	6.0	89.8	4.2	2,060,185	131,350	1,830,331	98,504	6.4	88.8	4.8
Ice, manufactured	1914	20	44	10	890	84	758	48	9.4	85.2	5.4	2,064,984	196,044	1,758,860	110,080	9.5	85.2	5.3
	1909	14	40	7	494	78	377	39	15.8	76.3	7.9	1,162,636	175,045	910,801	76,790	15.1	78.3	6.6
Lumber and timber products.	1914	1,014	140	434	18,196	5,172	9,475	3,549	28.4	52.1	19.5	22,114,995	5,256,806	12,464,162	4,394,027	23.8	56.4	19.9
	1909	1,144	173	509	22,257	6,730	10,519	5,008	30.2	47.3	22.5	24,632,093	6,370,663	12,838,629	5,422,801	25.9	52.1	22.0
Marble and stone work	1914	44	26	30	2,622	281	1,871	470	10.7	71.4	17.9	3,651,595	376,646	2,765,284	509,665	10.3	75.7	14.0
	1909	50	26	28	2,099	409	1,089	601	19.5	51.9	28.6	2,648,218	574,771	1,444,831	628,616	21.7	54.6	23.7
Oil, cottonseed, and cake	1914	4	145	4	4,212	32	4,139	41	0.8	98.3	1.0	32,714,801	161,660	32,335,422	217,719	0.5	98.8	0.7
	1909	2	136	4	2,888	.....	2,840	[1] 48	.....	98.3	1.7	23,640,779	.....	23,462,265	[1] 178,514	.....	99.2	0.8
Printing and publishing	1914	221	128	92	2,476	566	1,577	333	22.9	63.7	13.4	7,575,931	1,187,378	5,532,793	855,760	15.7	73.0	11.3
	1909	235	123	84	2,395	529	1,549	317	22.1	64.7	13.2	6,400,241	982,651	4,791,909	625,681	15.4	74.9	9.8
Turpentine and rosin	1914	254	42	266	9,118	3,449	835	4,834	37.8	9.2	53.0	4,607,590	1,694,126	447,636	2,465,828	36.8	9.7	53.5
	1909	261	25	306	12,787	5,092	722	6,973	39.8	5.6	54.5	6,938,957	2,792,941	381,834	3,764,182	40.2	5.5	54.2
Total for cities	1914	314	461	150	33,586	2,016	29,786	1,784	6.0	88.7	5.3	98,864,551	4,396,127	90,012,911	4,455,513	4.4	91.0	4.5
Athens	1914	16	21	11	1,308	130	1,131	47	9.9	86.5	3.6	3,023,492	236,354	2,518,915	268,223	7.8	83.3	8.9
Atlanta	1914	133	219	71	12,585	982	10,533	1,070	7.8	83.7	8.5	41,278,927	2,290,954	36,981,998	2,005,975	5.5	89.6	4.9
Augusta	1914	27	38	8	4,925	171	4,728	26	3.5	96.0	0.5	12,138,224	320,065	11,689,700	128,459	2.6	96.3	1.1
Brunswick	1914	10	19	5	713	52	667	24	7.0	89.8	3.2	840,833	75,959	714,594	50,280	9.0	85.0	6.0
Columbus	1914	20	36	15	4,802	152	4,551	99	3.2	94.8	2.1	10,619,358	332,931	9,792,335	494,092	3.1	92.2	4.7
Macon	1914	15	47	8	4,047	55	3,854	138	1.4	95.2	3.4	18,867,439	141,303	18,303,816	422,320	0.8	97.0	2.2
Rome	1914	12	34	4	1,389	58	1,317	14	4.2	94.8	1.0	3,300,894	136,041	3,122,936	41,917	4.1	94.6	1.3
Savannah	1914	68	37	24	2,485	377	1,753	355	15.2	70.5	14.3	6,709,498	780,465	4,914,169	1,014,864	11.6	73.2	15.2
Waycross	1914	13	10	4	1,302	39	1,252	11	3.0	96.2	0.8	2,085,889	82,055	1,974,448	29,383	3.9	94.6	1.4

[1] Includes the group "individuals."

[2] Includes the group "all others."

For all industries combined throughout the state, there was an increase during the decade in the number of establishments under each form of ownership. The greatest proportion of the establishments—nearly one-half of the total in 1914—is shown for those under individual ownership, but in value of products and average number of wage earners, those owned by corporations greatly predominate. For 1914, with but 29.2 per cent of the total number of establishments in the state, the corporations reported 87.4 per cent of the total value of products and 76.8 per cent of the total average number of wage earners; for 1909 and 1904 the corresponding proportions are somewhat less. For each of the 16 industries for which separate statistics are given the largest proportion of the total value of products is shown for establishments under corporate ownership, with the exception of turpentine and rosin, which reports only 9.7 per cent under this class of ownership. This condition prevailed also in 1914, as regards

all industries combined, in each of the nine cities. Here, however, a greater proportion of the establishments are under corporate ownership.

Size of establishments.—Table 15 shows, for all industries combined, for 1914, 1909, and 1904, the number of establishments grouped according to the value of their products, and for each group the average number of wage earners, value of products, and value added by manufacture. The per cent distribution of the items constituting each total is also given.

Table 15

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
All classes	4,639	4,792	3,219	104,461	104,588	92,749	$253,270,511	$202,863,262	$151,040,455	$93,181,902	$85,893,498	$67,415,951
Less than $5,000	1,861	1,918	941	5,359	5,303	2,299	4,447,032	4,356,414	2,385,888	3,136,020	3,100,327	1,761,109
$5,000 to $20,000	1,508	1,624	1,158	13,668	17,719	13,208	14,926,602	16,813,566	12,675,263	9,370,060	11,583,613	8,748,189
$20,000 to $100,000	739	799	768	15,363	20,431	23,492	33,793,262	34,954,524	32,479,382	14,609,896	17,613,878	17,761,551
$100,000 to $1,000,000	502	433	342	53,515	50,207	45,988	143,239,055	112,684,573	82,835,728	49,125,965	43,539,772	34,009,584
$1,000,000 and over	29	18	10	16,556	10,928	7,762	56,864,560	34,054,085	20,664,194	16,939,961	10,055,908	5,135,518
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	40.1	40.0	29.2	5.1	5.1	2.5	1.8	2.1	1.6	3.4	3.6	2.6
$5,000 to $20,000	32.5	33.9	36.0	13.1	16.9	14.2	5.9	8.3	8.4	10.1	13.5	13.0
$20,000 to $100,000	15.9	16.7	23.9	14.7	19.5	25.3	13.3	17.2	21.5	15.7	20.5	26.3
$100,000 to $1,000,000	10.8	9.0	10.6	51.2	48.0	49.6	56.6	55.5	54.8	52.7	50.7	50.4
$1,000,000 and over	0.6	0.4	0.3	15.8	10.4	8.4	22.4	16.8	13.7	18.2	11.7	7.6

For 1914, 531 establishments, or 11.4 per cent of the total number in the state, each reported products exceeding $100,000 in value, as compared with 451, or 9.4 per cent of the total, for 1909, and 352, or 10.9 per cent, for 1904. The output also increased in value, the proportion of the total being 68.5 per cent in 1904 to 72.3 per cent in 1909 and 79 per cent in 1914. For 1914 these establishments reported 67 per cent of the total average number of wage earners for the state and 70.9 per cent of the total value added by manufacture. In the same year the small establishments—those having products less than $5,000 in value—although representing 40.1 per cent of the total number of establishments, reported only 1.8 per cent of the total value of products.

Table 16 gives, for 1914 and 1909, for eight of the more important industries, a classification similar to that presented in Table 15.

Table 16

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.	
			1914	1909			1914	1909			1914	1909			1914	1909
COTTON GOODS	118	116	100.0	100.0	30,719	27,803	100.0	100.0	$59,982,008	$48,036,817	100.0	100.0	$18,772,434	$15,988,078	100.0	100.0
$5,000 to $100,000[1]	11	12	9.3	10.3	491	504	1.6	1.8	731,701	632,517	1.2	1.3	185,730	198,331	1.0	1.2
$100,000 to $1,000,000	93	95	78.8	81.9	19,328	18,860	62.9	67.8	36,660,830	31,821,398	61.1	66.2	11,163,232	10,453,428	59.5	65.4
$1,000,000 and over	14	9	11.9	7.8	10,900	8,439	35.5	30.4	22,589,477	15,582,902	37.7	32.4	7,423,472	5,336,319	39.5	33.4
FERTILIZERS	230	110	100.0	100.0	3,833	2,770	100.0	100.0	29,045,903	16,800,301	100.0	100.0	7,825,983	5,856,150	100.0	100.0
Less than $5,000	6	2	2.6	.....	3	.....	0.1	.....	25,252	.....	0.1	.....	7,026	.....	0.1	.....
$5,000 to $20,000	37	22	16.1	[2] 21.8	83	[2] 56	2.2	[2] 2.0	458,438	[2] 311,921	1.6	[2] 1.9	124,021	[2] 64,280	1.6	[2] 1.1
$20,000 to $100,000	116	48	50.4	43.6	592	313	15.4	11.3	5,710,332	2,188,146	19.7	13.0	1,224,244	508,016	15.6	8.7
$100,000 and over[3]	71	38	30.9	34.5	3,155	2,401	82.3	86.7	22,851,881	14,300,234	78.7	85.1	6,470,692	5,283,854	82.7	90.2
FLOUR-MILL AND GRISTMILL PRODUCTS	128	105	100.0	100.0	367	386	100.0	100.0	6,083,760	7,999,912	100.0	100.0	829,580	1,271,375	100.0	100.0
Less than $5,000	30	26	23.4	24.8	28	24	7.6	6.2	96,846	82,068	1.6	1.0	19,803	14,105	2.4	1.1
$5,000 to $20,000	70	34	54.7	32.4	86	46	23.4	11.9	625,894	424,429	10.3	5.3	123,556	59,405	14.9	4.7
$20,000 to $100,000	19	28	14.8	26.7	56	56	15.3	14.5	784,398	979,532	12.9	12.2	91,280	129,060	11.0	10.2
$100,000 and over[3]	9	17	7.0	16.2	197	260	53.7	67.4	4,576,622	6,513,883	75.2	81.4	594,941	1 068,805	71.7	84.1
FOUNDRY AND MACHINE-SHOP PRODUCTS	116	107	100.0	100.0	2,648	2,892	100.0	100.0	5,829,907	5,808,152	100.0	100.0	3,270,783	3,146,493	100.0	100.0
Less than $5,000	33	25	28.4	23.4	51	41	1.9	1.4	92,781	60,306	1.6	1.0	68,063	42,349	2.1	1.3
$5,000 to $20,000	37	34	31.9	31.8	238	200	9.0	6.9	404,000	366,298	6.9	6.3	282,156	230,613	8.6	7.3
$20,000 to $100,000	35	31	30.2	29.0	840	718	31.7	24.8	1,554,483	1,385,449	26.7	23.9	969,127	826,983	29.6	26.3
$100,000 to $1,000,000	11	17	9.5	15.9	1,519	1,933	57.4	66.8	3,778,643	3,996,099	64.8	68.8	1,951,437	2,046,548	59.7	65.0
LUMBER AND TIMBER PRODUCTS	1,588	1,826	100.0	100.0	18,196	22,257	100.0	100.0	22,114,995	24,632,093	100.0	100.0	12,803,996	16,127,490	100.0	100.0
Less than $5,000	983	1,086	61.9	59.5	2,750	3,260	15.1	14.6	2,084,199	2,261,753	9.4	9.2	1,556,923	1,665,269	12.2	10.3
$5,000 to $20,000	423	501	26.6	27.4	3,857	4,957	21.2	22.3	4,017,081	4,823,341	18.2	19.6	2,757,357	3,551,444	21.5	22.0
$20,000 to $100,000	123	182	7.7	10.0	3,667	6,183	20.2	27.8	5,280,353	7,462,812	23.9	30.3	2,707,564	4,654,046	21.1	28.9
$100,000 to $1,000,000	59	57	3.7	3.1	7,922	7,857	43.5	35.3	10,733,362	10,084,187	48.5	40.9	5,782,152	6,256,731	45.2	38.8
OIL, COTTONSEED, AND CAKE	153	142	100.0	100.0	4,212	2,888	100.0	100.0	32,714,801	23,640,779	100.0	100.0	5,478,881	4,200,827	100.0	100.0
$5,000 to $20,000	6	5	3.9	3.5	24	20	0.6	0.7	65,512	69,982	0.2	0.3	16,741	12,696	0.3	0.3
$20,000 to $100,000	46	74	30.1	52.1	542	837	12.9	29.0	2,775,185	4,492,812	8.5	19.0	479,293	1,025,309	8.7	24.4
$100,000 and over[3]	101	63	66.0	44.4	3,646	2,031	86.6	70.3	29,874,103	19,077,985	91.3	80.7	4,982,847	3,162,822	90.9	75.3

[1] Includes the group "$5,000 to $20,000." [2] Includes the group "less than $5,000." [3] Includes the group "$1,000,000 and over."

Table 16—Continued.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909
PRINTING AND PUBLISHING	441	442	100.0	100.0	2,476	2,395	100.0	100.0	$7,575,931	$6,400,241	100.0	100.0	$5,603,577	$4,812,466	100.0	100.0
Less than $5,000	252	274	57.1	62.0	367	405	14.8	16.9	622,005	624,302	8.2	9.8	506,436	498,837	9.0	10.4
$5,000 to $20,000	129	116	29.3	26.2	510	534	20.6	22.3	1,183,215	1,108,837	15.6	17.3	941,248	892,067	16.8	18.5
$20,000 to $100,000	46	41	10.4	9.3	729	704	29.4	29.4	1,964,168	1,808,670	25.9	28.3	1,423,583	1,328,892	25.4	27.6
$100,000 to $1,000,000	14	11	3.2	2.5	870	752	35.1	31.4	3,806,543	2,858,432	50.3	44.7	2,732,310	2,092,670	48.8	43.5
TURPENTINE AND ROSIN	562	592	100.0	100.0	9,118	12,787	100.0	100.0	4,607,590	6,938,957	100.0	100.0	3,434,960	5,679,314	100.0	100.0
Less than $5,000	198	107	35.2	18.1	1,540	847	16.9	6.6	617,463	358,588	13.4	5.2	452,545	289,793	13.2	5.1
$5,000 to $20,000	333	416	59.3	70.3	6,141	8,696	67.4	68.0	3,105,703	4,604,758	67.4	66.4	2,292,479	3,756,659	66.7	66.1
$20,000 to $100,000	31	69	5.5	11.7	1,437	3,244	15.8	25.4	884,424	1,975,611	19.2	28.5	689,936	1,632,862	20.1	28.8

Two of the eight industries given in the preceding table—lumber and timber and printing and publishing—show decreases in the number of establishments reporting products under $5,000 in value. In establishments having products valued at $100,000 or over there was an increase over 1909 in the average number of wage earners employed, value of products, and value added by manufacture for cotton goods; fertilizers; and oil, cottonseed, and cake. The lumber industry shows an increase in wage earners and value of products.

Table 17 presents, for 1914, for all industries combined in each of the nine cities having more than 10,000 inhabitants, statistics similar to those given in Table 16 for the state as a whole.

Table 17

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Per cent of total.	VALUE OF PRODUCTS. Amount.	VALUE OF PRODUCTS. Per cent of total.	VALUE ADDED BY MANUFACTURE. Amount.	VALUE ADDED BY MANUFACTURE. Per cent of total.
ATHENS	48	1,308	100.0	$3,023,492	100.0	$1,082,085	100.0
Less than $5,000	7	6	0.4	15,890	0.5	11,536	1.1
$5,000 to $20,000	18	115	8.8	219,999	7.3	135,647	12.5
$20,000 to $100,000	16	210	16.1	631,840	20.9	314,013	29.0
$100,000 and over	7	977	74.7	2,155,763	71.3	620,889	57.4
ATLANTA	423	12,585	100.0	41,278,927	100.0	18,161,871	100.0
Less than $5,000	90	124	1.0	235,965	0.6	176,172	1.0
$5,000 to $20,000	124	637	5.1	1,401,552	3.4	937,720	5.2
$20,000 to $100,000	128	2,440	19.4	6,192,753	15.0	3,135,889	17.3
$100,000 to $1,000,000	75	6,040	48.0	21,306,326	51.6	8,758,833	48.2
$1,000,000 and over	6	3,344	26.5	12,142,331	29.4	5,153,257	28.3
AUGUSTA	73	4,925	100.0	12,138,224	100.0	3,606,023	100.0
Less than $5,000	12	14	0.3	49,642	0.4	22,114	0.6
$5,000 to $20,000	19	83	1.7	184,533	1.5	92,552	2.6
$20,000 to $100,000	16	372	7.5	709,080	5.8	356,092	9.9
$100,000 and over[1]	26	4,456	90.5	11,194,969	92.2	3,135,265	86.9
BRUNSWICK	34	743	100.0	840,833	100.0	477,291	100.0
Less than $5,000	7	14	1.9	19,000	2.3	12,217	2.6
$5,000 to $20,000	18	114	15.3	202,045	24.0	140,273	29.4
$20,000 to $1,000,000[2]	9	615	82.8	619,788	73.7	324,801	68.0
COLUMBUS	71	4,802	100.0	10,619,358	100.0	4,251,456	100.0
Less than $5,000	10	10	0.2	26,293	0.2	16,507	0.4
$5,000 to $20,000	27	165	3.4	283,212	2.7	157,912	3.7
$20,000 to $100,000	16	305	6.4	726,548	6.8	369,663	8.7
$100,000 and over	18	4,322	90.0	9,583,305	90.3	3,707,374	87.2
MACON	70	4,047	100.0	$18,867,439	100.0	$4,842,059	100.0
Less than $5,000	4	3	0.1	7,600	(3)	5,185	0.1
$5,000 to $20,000	20	104	2.6	226,703	1.2	136,116	2.8
$20,000 to $100,000	20	446	11.0	1,115,208	5.9	519,740	10.7
$100,000 and over[1]	26	3,494	86.3	17,517,928	92.9	4,181,018	86.4
ROME	50	1,389	100.0	3,300,894	100.0	1,094,664	100.0
Less than $5,000	9	14	1.0	26,818	0.8	15,502	1.4
$5,000 to $20,000	16	79	5.7	153,234	4.6	92,746	8.5
$20,000 to $100,000	14	268	19.3	539,373	16.3	322,836	29.5
$100,000 to $1,000,000	11	1,028	74.0	2,581,469	78.2	663,580	60.6
SAVANNAH	120	2,485	100.0	6,709,498	100.0	3,309,320	100.0
Less than $5,000	28	47	1.9	75,514	1.1	54,088	1.6
$5,000 to $20,000	52	296	11.9	571,281	8.5	308,435	9.3
$20,000 to $100,000	31	537	21.6	1,290,003	19.2	691,630	20.9
$100,000 to $1,000,000	18	1,605	64.6	4,772,700	71.1	2,255,167	68.2
WAYCROSS	27	1,302	100.0	2,085,886	100.0	1,045,066	100.0
Less than $5,000	7	12	0.9	18,254	0.9	13,560	1.3
$5,000 to $20,000	14	55	4.2	128,443	6.2	81,367	7.8
$20,000 and over[1]	6	1,235	94.9	1,939,189	92.9	950,139	90.9

[1] Includes the group "$1,000,000 and over." [2] Includes the group "$100,000 to $1,000,000." [3] Less than one-tenth of 1 per cent.

The same general condition is found in the cities as that which prevails throughout the state, namely, a preponderance as to number of wage earners, value of products, and value added by manufacture for establishments having products valued at $100,000 and over. The highest percentages of total value of products reported by establishments in this respect—92.2, 90.3, and 92.9—appear for Augusta, Columbus, and Macon, respectively; and the lowest, 71.1, for Savannah.

Table 18 shows the size of establishments in 1914 as measured by the number of wage earners employed. The figures given are for the state as a whole, for 17 of the more important industries, and for each of the nine cities having more than 10,000 inhabitants. Table 19 presents, for 1914, percentages based on the figures in Table 18, together with similar percentages for 1909 with reference to all industries combined and for individual industries in the state as a whole.

Table 18

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—						
			No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	4,639	104,461	168	2,349	5,967	1,281	14,944	443	14,180
Agricultural implements	18	577	.....	10	28	2	27	3	73
Bread and other bakery products	107	726	5	69	186	26	292	5	124
Brick, tile, pottery, and other clay products	67	1,907	3	24	65	12	133	14	488
Carriages and wagons and materials	65	955	1	29	87	24	297	6	179
Cars and general shop construction and repairs by steam-railroad companies	34	6,943	.....	3	12	7	87	8	283
Clothing, men's, including shirts	21	1,303	.....	1	5	5	57	4	122
Cotton goods	118	30,719	.....	1	4	.....	.....	6	189
Fertilizers	230	3,833	2	133	397	49	526	22	730
Foundry and machine-shop products	116	2,648	5	50	139	34	386	14	447
Furniture	34	1,365	.....	8	24	7	94	9	281
Hosiery and knit goods	22	3,468	.....	.....	.....	1	13	4	165
Ice, manufactured	74	890	.....	36	123	28	316	6	168
Lumber and timber products	1,588	18,196	14	1,003	2,456	435	4,593	73	2,524
Marble and stone work	100	2,622	1	47	136	29	321	12	395
Oil, cottonseed, and cake	153	4,212	.....	12	54	64	882	57	1,884
Printing and publishing	441	2,476	84	282	658	48	497	18	542
Turpentine and rosin	562	9,118	6	83	265	344	4,580	118	3,481
All other industries	889	12,503	47	558	1,328	166	1,843	64	2,105
Total for cities	925	33,586	79	332	956	256	2,895	118	3,835
ATHENS	48	1,308	3	16	43	19	194	6	185
ATLANTA	423	12,585	51	148	411	108	1,267	56	1,811
AUGUSTA	73	4,925	3	29	87	11	142	11	417
BRUNSWICK	34	743	1	15	42	13	148	1	29
COLUMBUS	71	4,802	4	25	78	20	219	9	265
MACON	70	4,047	4	14	52	18	213	16	506
ROME	50	1,389	3	18	51	14	173	6	171
SAVANNAH	129	2,485	8	50	141	46	466	13	451
WAYCROSS	27	1,302	2	17	51	7	73	.....	.....

Table 18—Continued.

INDUSTRY AND CITY.	ESTABLISHMENTS EMPLOYING—									
	51 to 100 wage earners.		101 to 250 wage earners.		251 to 500 wage earners.		501 to 1,000 wage earners.		Over 1,000 wage earners.	
	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	191	13,880	137	21,240	44	14,941	21	12,979	5	6,330
Agricultural implements	1	76	2	373	.....	.....	.....	.....	.....	.....
Bread and other bakery products	2	124	.....	.....	.....	.....	.....	.....	.....	.....
Brick, tile, pottery, and other clay products	9	586	5	635	.....	.....	.....	.....	.....	.....
Carriages and wagons and materials	4	286	1	106	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies	1	94	5	872	7	2,376	1	930	2	2,289
Clothing, men's, including shirts	8	580	3	539	.....	.....	.....	.....	.....	.....
Cotton goods	29	2,372	37	5,762	27	9,076	15	9,275	3	4,041
Fertilizers	17	1,208	7	972	.....	.....	.....	.....	.....	.....
Foundry and machine-shop products	6	392	7	1,284	.....	.....	.....	.....	.....	.....
Furniture	7	533	3	433	.....	.....	.....	.....	.....	.....
Hosiery and knit goods	7	672	7	1,224	1	252	2	1,142	.....	.....
Ice, manufactured	3	123	1	160	.....	.....	.....	.....	.....	.....
Lumber and timber products	28	2,086	30	4,529	4	1,448	1	560	.....	.....
Marble and stone work	3	238	6	840	2	692	.....	.....	.....	.....
Oil, cottonseed, and cake	19	1,254	1	138	.....	.....	.....	.....	.....	.....
Printing and publishing	7	489	2	290	.....	.....	.....	.....	.....	.....
Turpentine and rosin	11	792	.....	.....	.....	.....	.....	.....	.....	.....
All other industries	29	1,975	20	3,083	3	1,097	2	1,072	.....	.....
Total for cities	75	5,343	43	6,694	10	3,785	8	5,207	4	4,871
ATHENS	1	71	2	315	1	500	.....	.....	.....	.....
ATLANTA	37	2,727	18	2,803	2	573	1	613	2	2,350
AUGUSTA	11	846	2	332	3	1,201	3	1,850	.....	.....
BRUNSWICK	2	128	2	396	.....	.....	.....	.....	.....	.....
COLUMBUS	5	300	3	628	2	708	2	1,261	1	1,343
MACON	9	650	6	821	1	352	2	1,453	.....	.....
ROME	4	267	5	727	.....	.....	.....	.....	.....	.....
SAVANNAH	6	354	5	622	1	451	.....	.....	.....	.....
WAYCROSS	.....	.....	.....	.....	.....	.....	.....	.....	1	1,178

There were 168 establishments for which no wage earners are shown. In these establishments the work is done by proprietors, firm members, or persons classed as salaried employees. For some of them the number of wage earners employed was so small or the term of employment so short that in computing

the average, as described in the "Explanation of terms," the number was less than one person and the establishment was classed as one having "no wage earners." The small establishments—those employing from 1 to 20 wage earners—formed 78.2 per cent of the total for the state but gave employment to only 20 per cent of the total wage earners reported. The groups of establishments having more than 100 wage earners, although representing only 4.5 per cent of the total number of establishments in the state, gave employment to 53.1 per cent of the total wage earners.

Among the cities the highest percentages of the total number of wage earners are reported by establishments employing more than 50 wage earners.

Table 19

Industry and city.	Census year.	Per cent of total average number of wage earners in establishments employing specified number.							
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
All industries	1914	5.7	14.3	13.6	13.3	20.3	14.3	12.4	6.1
	1909	5.3	15.9	17.3	14.7	19.3	13.6	10.0	3.9
Agricultural implements	1914	4.8	4.7	12.6	13.2	64.6	.....	.....	.....
	1909	2.0	8.7	9.8	13.4	66.1	.....	.....	.....
Bread and other bakery products.	1914	25.6	40.2	17.1	17.1	.....	.....	.....	.....
	1909	36.4	52.7	.....	10.8	.....	.....	.....	.....
Brick, tile, pottery, and other clay products.	1914	3.4	7.0	25.6	30.7	33.3	.....	.....	.....
	1909	2.8	15.2	35.1	24.3	22.6	.....	.....	.....
Carriages and wagons and materials.	1914	9.1	31.1	18.7	29.9	11.1	.....	.....	.....
	1909	10.2	29.0	33.6	27.2	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	0.2	1.2	4.1	1.4	12.6	34.2	13.4	33.0
	1909	0.3	1.3	3.2	2.8	12.6	28.0	51.9	.....
Clothing, men's, including shirts	1914	0.4	4.4	9.4	44.5	41.4	.....	.....	.....
	1909	0.4	10.0	10.7	32.5	24.8	21.6	.....	.....
Cotton goods	1914	(1)	.....	0.6	7.7	18.8	29.5	30.2	13.2
	1909	.....	0.2	1.0	8.4	22.2	27.6	26.1	14.5
Fertilizers	1914	10.4	13.7	.....	19.0	31.5	25.4	.....	.....
	1909	5.4	9.5	18.3	39.5	27.4	.....	.....	.....
Foundry and machine-shop products.	1914	5.2	14.6	16.9	14.8	48.5	.....	.....	.....
	1909	4.3	13.0	16.0	19.6	37.5	9.7	.....	.....
Furniture	1914	1.8	6.9	20.6	39.0	31.7	.....	.....	.....
	1909	2.5	7.0	34.1	16.2	40.2	.....	.....	.....
Hosiery and knit goods	1914	.....	0.4	4.8	19.4	35.3	7.3	32.9	.....
	1909	.....	.....	3.2	27.4	34.1	35.3	.....	.....
Ice, manufactured	1914	13.8	35.5	18.9	13.8	18.0	.....	.....	.....
	1909	17.6	57.3	10.5	14.6	.....	.....	.....	.....
Lumber and timber products	1914	13.5	25.2	13.9	11.5	24.9	8.0	3.1	.....
	1909	11.9	26.6	15.2	16.2	20.8	9.3	.....	.....
Marble and stone work	1914	5.2	12.2	15.1	9.1	32.0	26.4	.....	.....
	1909	7.5	14.7	18.2	23.2	36.4	.....	.....	.....
Oil, cottonseed, and cake	1914	1.3	20.9	44.7	29.8	3.3	.....	.....	.....
	1909	2.7	32.3	51.4	9.0	4.6	.....	.....	.....
Printing and publishing	1914	26.6	20.1	21.9	19.7	11.7	.....	.....	.....
	1909	24.7	25.6	23.1	15.0	11.6	.....	.....	.....
Turpentine and rosin	1914	2.9	50.2	38.2	8.7	.....	.....	.....	.....
	1909	1.0	35.3	51.8	11.1	0.8	.....	.....	.....
All other industries	1914	10.6	14.7	22.7	19.6	22.8	1.0	8.6	.....
	1909	9.6	17.2	18.0	21.7	23.3	10.1	.....	.....
Total for cities	1914	2.8	8.6	11.4	15.9	19.9	11.3	15.5	14.5
Athens	1914	3.3	14.8	14.1	5.4	24.1	38.2	.....	.....
Atlanta	1914	3.2	10.1	14.4	21.7	22.3	4.6	5.1	18.7
Augusta	1914	1.8	2.9	8.5	17.2	7.7	24.4	37.6	.....
Brunswick	1914	5.6	19.9	3.9	17.2	53.3	.....	.....	.....
Columbus	1914	1.6	4.6	5.5	6.2	13.1	14.7	26.3	28.0
Macon	1914	1.3	5.3	12.5	16.1	20.3	8.7	35.9	.....
Rome	1914	3.7	12.4	12.3	19.2	52.3	.....	.....	.....
Savannah	1914	5.7	18.8	18.1	14.2	25.0	18.1	.....	.....
Waycross	1914	3.9	5.6	.....	.....	.....	.....	.....	90.5

[1] Less than one-tenth of 1 per cent.

Engines and power.—Table 20 presents, for 1914, 1909, and 1904, for all industries combined, the number and total horsepower of engines or motors, classified according to their character, employed in generating power (including electric motors operated by purchased current). It also shows separately the number and horsepower of electric motors operated by current generated in the establishments reporting.

Table 20

Power.	Number of engines or motors.			Horsepower.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total	9,244	6,323	2,839	357,403	298,241	220,419	100.0	100.0	100.0
Owned	4,929	4,660	2,839	280,672	272,928	212,657	78.5	91.5	96.5
Steam engines and turbines [1]	3,439	4,011	2,519	245,811	240,800	183,721	68.8	80.7	83.4
Internal-combustion engines	695	418	118	7,032	3,380	632	1.9	1.1	0.3
Water wheels, turbines, and motors	795	231	202	27,829	28,748	28,304	7.8	9.7	12.8
Rented	4,315	1,663	.....	76,731	25,313	7,762	21.5	8.5	3.5
Electric	4,315	1,663	(2)	76,458	23,890	6,464	21.4	8.0	2.9
Other	.....	.....	.....	273	1,423	1,298	0.1	0.5	0.6
Electric	5,425	2,492	(2)	103,140	44,264	15,556	100.0	100.0	100.0
Rented	4,315	1,663	.....	76,458	23,890	6,464	74.1	54.0	41.6
Generated by establishments reporting	1,110	829	(2)	26,682	20,374	9,092	25.9	46.0	58.4

[1] Figures for horsepower include for 1909 and 1904 the amount reported under the head of "other" owned power. [2] Not reported.

This table shows an increase in primary power amounting to 59,162 horsepower, or 19.8 per cent, from 1909 to 1914, due largely to the increase in rented power. The use of rented power, now almost wholly electric, has increased since 1904, when it represented only 3.5 per cent of the total primary power reported. In 1909 the amount of rented power had increased to 8.5 per cent of the total and in 1914, to 21.5 per cent. The increase in the use of electric motors run by current generated within the same

establishment has not kept pace with those rented. The power of motors operated by current generated in the same establishments represented 58.4 per cent of the total electric power in 1904, but only 25.9 per cent in 1914.

In spite of the increase in rented power, owned power increased by 32 per cent during the decade 1904–1914 and by 2.8 per cent during the last five-year period.

Fuel.—Closely related to the subject of power employed in manufactures is that of the fuel consumed in generating this power or otherwise used in the manufacturing processes.

Table 21 gives, for 1914, the quantity of each kind of fuel used, for which data were obtained, for all industries combined and for certain selected industries separately in the state as a whole, and for all industries combined in each city.

Table 21

INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 lbs.).	COAL. Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
All industries	3,433	1,419,238	30,315	82,638	35,150
Agricultural implements	4	4,720	1,531	6	.....
Brick, tile, terra-cotta, and other clay products	.....	201,266	238	61	.....
Carriages and wagons and materials	25	3,414	189	921	12
Cars and general shop construction and repairs by steam railroad companies	139	73,523	474	5,138	11,773
Cotton goods	.....	364,642	.....	674	.....
Fertilizers	.....	22,807	20	1,564	334
Flour-mill and gristmill products	.....	8,305	.....	814	.....
Food preparations	.....	32,105	.....	27	10
Foundry and machine-shop products	322	16,311	9,149	926	785
Furniture	.....	5,362	165	62	75
Gas, illuminating and heating	24	81,131	6,300	66,341	.....
Hosiery and knit goods	.....	15,393	.....	21	250
Ice, manufactured	.....	132,344	.....	14	.....
Lumber and timber products	300	15,839	.....	582	22
Marble and stone work	1,136	25,655	3,076	249	.....
Oil, cottonseed, and cake	.....	179,107	267	186	.....
Printing and publishing	399	1,609	23	688	12,442
All other industries	1,084	235,705	8,883	4,364	9,447
Total for cities	1,626	439,845	20,328	70,017	34,491
ATHENS	48	11,123	148	16	988
ATLANTA	452	186,689	8,657	38,943	13,141
AUGUSTA	4	39,443	3,327	9,231	1,565
BRUNSWICK	.....	2,378	231	451	510
COLUMBUS	366	39,088	1,496	71	680
MACON	17	96,714	655	2,195	1,081
ROME	6	17,401	1,924	25	.....
SAVANNAH	720	38,036	3,870	16,204	16,526
WAYCROSS	13	8,973	20	2,881	.....

SPECIAL STATISTICS.

For certain industries the Census Bureau collects details regarding the quantities and cost of materials, the quantities and values of products, and other information for securing which no provision is made on the general schedule. Certain data of this character for seven important industries and also for power laundries are here presented.

Textiles.—The progress of the textile industries is indicated by the increase in the number of spindles, looms, and knitting machines. The following table shows the number of these machines used in the combined industries and in each of the three branches during 1914, 1909, and 1904.

Table 22

MACHINE.	Census year.	Total.	Cotton goods, including cotton small wares.	Woolen, worsted, and felt goods, and wool hats.	Hosiery and knit goods.
Producing spindles	1914	2,092,834	2,045,082	23,996	23,756
	1909	1,794,111	1,751,547	24,772	17,792
	1904	1,344,889	1,318,573	19,964	6,352
Looms	1914	42,499	41,881	618	.....
	1909	36,034	35,358	676	.....
	1904	31,767	31,221	546	.....
Knitting machines	1914	4,699	.....	.....	4,699
	1909	3,530	.....	.....	3,530
	1904	1,677	.....	.....	1,677

The increases from 1909 to 1914 in the total number of the three principal kinds of machines used were as follows: 298,723, or 16.6 per cent, in producing spindles; 6,519, or 18.1 per cent, in looms; 1,169, or 33.1 per cent, in knitting machines.

During the preceding five years the total increase in producing spindles and knitting machines was considerably greater. During the five year period 1909–1914 the number of spindles shown for the three industries indicated an increase of 16.8 per cent for cotton goods, a decrease of 3.1 per cent for woolen and worsted goods, and an increase of 33.5 per cent in hosiery and knit goods. The gain shown in the number of looms used was 6,523, or 18.5 per cent, in cotton mills, while the number reported for woolen and worsted goods was approximately the same.

In addition to the number of spindles reported in connection with the census of manufactures, statistics of the number employed in all branches of the textile industry are reported monthly to the Bureau of the Census. The total number of cotton spindles in the state of Georgia for 1914, as compiled from these monthly reports, was 2,160,571, and of these, 2,130,840 were active some time during the year ending August 31.

Cotton manufactures.—In Table 23, on the following page, the materials and products of the cotton manufacturing industry are shown by kind, quantity, cost, and value for the three census years 1914, 1909, and 1904.

The quantity of raw cotton consumed in this industry shows a substantial increase from census to census; the measure of increase in 1909 over 1904 being 27.1 per cent and in 1914 over 1909, 15.3 per cent.

Table 23	1914	1909	1904
MATERIALS.			
Total cost	$41,324,748	$32,048,739	$23,832,297
Cotton:			
Pounds	289,090,615	250,820,180	197,349,593
Cost	$35,341,198	$27,884,458	$21,132,744
Cotton yarn, purchased:			
Pounds	2,231,836	429,063	595,403
Cost	$435,084	$84,782	$117,755
Cotton waste, purchased:			
Pounds	6,956,231	8,201,342	3,067,157
Cost	$550,600	$310,055	$202,291
Starch, cost	$262,588	$167,828	$121,734
Chemicals and dyestuffs, cost	$256,679	$251,239	$276,817
Fuel and rent of power, cost	$1,381,243	$1,020,216	$674,825
All other materials, cost	$3,097,356	$2,330,161	$1,306,131
PRODUCTS.			
Total value	$60,137,353	$48,036,817	$35,174,248
Unbleached and bleached sheetings, shirtings, and muslins:[1]			
Square yards	312,675,717	263,509,923	218,539,589
Value	$15,545,371	$13,127,547	$10,594,887
Ducks:			
Square yards	77,730,988	49,484,921	30,429,272
Value	$11,448,884	$6,640,339	$3,669,472
Napped fabrics:			
Square yards	16,190,524	20,472,753	6,797,117
Value	$1,316,680	$1,700,757	$591,435
Fancy weaves, total:			
Square yards	139,558,519	116,990,787	81,470,676
Value	$10,946,330	$8,256,017	$6,222,302
Drills—			
Square yards	68,911,226	64,075,402	41,727,888
Value	$5,087,859	$4,378,103	$2,809,105
Twills, sateens, etc.—			
Square yards	15,353,897	5,246,064	(2)
Value	$1,188,687	$448,234	(2)
Other fancy weaves—			
Square yards	55,293,396	47,669,321	39,742,788
Value	$4,669,784	$3,429,680	$3,413,197
Toweling and terry weaves:			
Square yards	14,836,281	12,264,366	4,057,247
Value	$1,657,011	$1,374,772	$697,094
Yarns, for sale:			
Pounds	65,777,960	61,956,708	45,356,389
Value	$13,274,864	$11,971,488	$8,620,720
Twines:			
Pounds	5,248,751	4,596,792	430,206
Value	$1,130,918	$830,522	$72,614
Cotton waste, for sale:			
Pounds	19,173,934	19,684,927	16,162,249
Value	$606,680	$510,168	$457,184
All other products, value	$4,210,615	$3,625,207	$4,248,540

[1] Fabrics, the combined quantities and values of which are here brought into comparison with the 1914 figures, were designated at prior censuses as "plain cloths for printing and converting" and "brown or bleached sheetings and shirtings."
[2] Figures not available.

The increase in the cost of cotton was even more pronounced, being 32 per cent in 1909 and 26.7 per cent in 1914. Yarns purchased for material, while showing a slight decrease in 1909 from the quantity reported for 1904, shows an increase of 420.2 per cent for the five-year period 1909–1914.

Hosiery and knit goods.—Table 24 shows for this industry, for 1914, 1909, and 1904, the quantities and cost of materials and the quantities and value of products made.

In 1914 practically all the material used in this industry in Georgia consisted of raw cotton and cotton yarn, which together constituted 67.8 per cent of the total cost. In 1904 the quantity of raw cotton used was very small, but in 1909 it had increased to over four million pounds and this amount was more than doubled during the succeeding five years. The cost of this material also practically doubled during this period. The use of cotton yarn on the contrary decreased both in quantity and cost from 1904 to 1909, but there was a slight increase in both between 1909 and 1914, as compared with the increase in raw cotton. In 1904 it constituted 79.5 per cent of the total cost of materials used, in 1909, 52.3 per cent, and in 1914, 38.5 per cent.

Table 24	1914	1909	1904
MATERIALS.			
Total cost	$3,062,852	$1,872,436	$1,417,411
Cotton:			
Pounds	8,738,056	4,043,536	(1)
Cost	$897,452	$456,956	(1)
Cotton yarns, purchased:			
Pounds	5,086,521	4,886,428	6,606,954
Cost	$1,180,263	$978,805	$1,127,123
Chemicals and dyestuffs, cost	$101,877	$64,558	$48,290
Fuel and rent of power, cost	$110,143	$61,757	$31,510
All other materials, cost	$773,117	$310,360	$210,488
PRODUCTS.			
Total value	$4,892,931	$3,232,623	$2,325,854
Cotton hose:			
Dozen pairs	2,515,163	1,226,235	602,388
Value	$1,836,419	$1,018,086	$485,155
Cotton half hose:			
Dozen pairs	2,136,798	2,500,095	1,278,107
Value	$1,582,129	$1,370,926	$780,390
Cotton shirts and drawers:			
Dozens	185,600	314,893	425,000
Value	$396,715	$573,020	$803,112
All other products, value	$1,077,668	$270,591	$257,197

[1] Included under "all other materials," to avoid disclosure of individual operations.

The product of the mills is very largely confined to cotton hosiery, which constituted 69.9 per cent of the total value of the output in 1914. The value of cotton shirts and drawers formed 8.1 per cent of the total in 1914, the balance consisting of a variety of articles, none of sufficient importance for a separate classification. The importance of cotton hosiery is increasing while that of shirts and drawers is declining. From 1904 to 1909 the output of the former practically doubled and from 1909 to 1914 the increase amounted to 925,631 dozen pairs, or 24.8 per cent. The cost from 1904 to 1909 increased at about the same ratio but the rate of increase during the latter period was nearly double the increase in quantity. From 1904 to 1909 there was a decrease in the quantity of shirts and drawers manufactured of 110,107 dozen, or 25.9 per cent, and from 1909 to 1914 of 129,293 dozen, or 41.1 per cent. In 1904 the value of shirts and drawers constituted 34.5 per cent of the total, in 1909, 17.7 per cent, and in 1914 but 8.1 per cent.

Oil, cottonseed, and cake.—The manufacture of cottonseed products is largely a local industry carried on in the cotton-growing districts. Georgia, which ranks second among the states in the growing of cotton, also ranks second in the manufacture of cottonseed products. Table 25 gives the quantity of cotton seed used for oil extraction and the quantities of the several crude products obtained for the census years 1914, 1909, 1904.

The statistics for the manufactures census relate to the crushing season of 1913–14—that is, to the handling of seed from the crop of 1913. The statistics cover the operations of all establishments which crushed cotton seed during the season, regardless of the extent to which they were engaged in other branches of in-

dustry. Furthermore, the crude products reported represent the total production derived from crushing cotton seed, whether sold as such or used as intermediate products in further processes of manufacture, such as the refining of oil and the mixing of fertilizer and feed.

Table 25 MATERIAL AND PRODUCT.	QUANTITY.		
	1914	1909	1904
Cotton seed crushed, tons (2,000 lbs.)	864,680	594,070	368,996
Crude products manufactured:			
Oil, gallons	38,389,261	26,181,463	15,284,303
Meal and cake, tons (2,000 lbs.)	404,702	261,717	151,011
Hulls, tons (2,000 lbs.)	252,319	188,270	131,521
Linters, pounds	55,701,475	26,040,114	13,281,489

Georgia produced 16.4 per cent of the American cotton crop of 1913, reported 17.8 per cent of the total quantity of cotton seed used in the manufacture of cottonseed products, and contributed 19.9 per cent of the total production of oil. While the percentage of the oil production is considerably higher than the percentage of the seed crushed, it is due to the fact that the oil content of the seed grown in Georgia is higher than that of seed grown in the western section of the cotton belt.

The total quantity of cotton seed crushed increased from 271,833 tons in 1899 to 864,680 tons in 1914, or 218.1 per cent. Of the 155 mills reported in 1914 as crushing cotton seed, 14 crushed less than 1,000 tons each during the census year; 21 crushed 1,000 but less than 2,000 tons; 73 crushed 2,000 but less than 5,000 tons; 26 crushed 5,000 but less than 10,000 tons; 14 crushed 10,000 but less than 20,000 tons; and 7 crushed 20,000 tons and over.

The quantities of the various products obtained in 1914 per ton of seed, as received at the mill, were as follows: Crude oil, 44.4 gallons; cake and meal, 936 pounds; hulls, 584 pounds; and linters, 64 pounds. The ratios which the several products bore to the total weight of the seed when received at the mill were: Crude oil, 16.6 per cent; cake and meal, 46.8 per cent; hulls, 29.2 per cent; and linters, 3.2 per cent.

Fertilizers.—This industry ranks third among the manufacturing industries of Georgia, and the state ranked first among the states in 1914, 1909, and 1904, while it was sixth in 1899. In value of products it contributed 19 per cent of the total for this industry in the United States in 1914, 16.2 per cent in 1909, 16.8 per cent in 1904, and 7.6 per cent in 1899. In 1914 the value of products exceeded the combined value of the next two ranking states—Maryland and South Carolina. This table shows the quantity and value of the products for the three census years 1904, 1909, and 1914.

Inclusive of the fertilizers made by cottonseed-oil mills and a small production by establishments in other lines of manufacture, there was a total production in 1914 of 1,749,465 tons, valued at $30,408,787, as compared with 961,452 tons, valued at $17,361,622, in 1909, an increase of 82 per cent in quantity and 75.1 per cent in value.

Table 26	1914[1]	1909[1]	1904
Total value	$29,045,903	$16,800,301	$9,461,415
Fertilizers:			
Tons	1,628,480	888,137	629,250
Value	$27,792,982	$15,908,284	$9,242,836
Complete and ammoniated—			
Tons	1,035,992	595,105	423,365
Value	$21,779,931	$12,131,874	$7,218,101
Superphosphates and concentrated phosphates—			
Tons	459,783	217,594	130,762
Value	$4,138,243	$2,546,635	$1,390,437
All other—			
Tons	132,705	75,438	75,123
Value	$1,874,808	$1,229,775	$634,298
All other products, value	$1,252,921	$892,017	$218,579

[1] In addition, 119,567 tons of fertilizers, valued at $2,607,298, in 1914, and 73,315 tons, valued at $1,453,338, in 1909, were made by establishments engaged primarily in the manufacture of cottonseed oil and cake.

Flour-mill and gristmill products.—Table 27 shows the quantities and values of flour-mill and gristmill products for the last three censuses.

In 1914 corn meal was the most important product for this industry in Georgia, forming 49.5 per cent of the total value of products and 57.6 per cent in 1909, whereas in 1904 wheat flour predominated, the percentage of the total value of products being 45.8.

Table 27	1914	1909	1904
Total value	$6,083,760	$7,999,912	$8,178,926
Wheat flour:			
Barrels	348,421	415,220	671,809
Value	$2,155,527	$2,634,638	$3,747,466
Corn meal and corn flour:			
Barrels	819,110	1,369,971	1,217,141
Value	$3,012,837	$4,609,764	$3,193,061
Hominy and grits:			
Pounds	70,225	1,800	300,000
Value	$1,411	$54	$5,000
Oatmeal:			
Pounds	51,675	.....	.....
Value	$1,291	.....	.....
Bran and middlings:			
Tons	14,491		
Value	$359,709		
Feed and offal:		27,270	51,891
Tons	19,015	$703,032	$1,167,519
Value	$551,081		
All other cereal products, value	.....	$365	$170
All other products, value	$1,904	$52,059	$65,710

For the five-year period 1909–1914 there was a decrease in the quantity of wheat flour of 16.1 per cent and of corn meal, 40.2 per cent.

The equipment for the state reported for 1914 was 202 stands of rolls, 310 runs of stone, and 36 attrition mills.

Printing and publishing.—Table 28 shows the number and aggregate circulation per issue of the different publications in Georgia at the census years 1914, 1909, and 1904.

The number of daily publications increased two during the five-year period 1909 to 1914, but the number of publications having other periods of issue decreased, except in semiweeklies and triweeklies, which remained the same. The total circulation increased by 82,781, or 5.1 per cent, the semiweeklies and triweeklies, combined, leading with an increase of 204,586,

or 71.6 per cent. The circulation of the Sunday newspapers increased 87,069, or 50.6 per cent, and that of the dailies, 49,756, or 23.1 per cent. Of the dailies, 17, with a circulation of 160,835, were issued in the evening. The only foreign language publication was a weekly, printed in German.

Table 28 — Period of issue	Number of publications			Aggregate circulation per issue		
	1914	1909	1904	1914	1909	1904
Total	351	357	318	1,709,343	1,626,562	924,545
Daily	29	27	26	265,416	215,660	178,904
Sunday	10	13	14	259,108	172,039	143,052
Semiweekly and triweekly	17	17	11	490,215	285,629	81,613
Weekly	241	246	233	363,121	423,897	371,274
Monthly	46	51	29	276,066	386,337	120,927
All other classes	[1] 8	3	5	55,417	143,000	28,775

[1] Includes publications as follows: 5 semimonthly, 1 bimonthly, 1 quarterly, and 1 semiannual.

Turpentine and rosin.—This, like the lumber industry, is dependent upon the forests of the state for its raw materials. The quantities and values of the different products for the census years 1914, 1909, and 1904 are shown in the following table:

Table 29	1914	1909	1904
Total value	$4,607,590	$6,938,957	$7,705,643
Spirits of turpentine:			
Gallons	6,228,041	8,056,752	9,542,316
Value	$2,489,145	$3,556,965	$4,795,331
Rosin:			
Barrels (280 pounds)	621,306	904,103	1,104,968
Value	$2,068,218	$3,371,676	$2,901,583
All other products, value	$50,227	$10,316	$8,729

[1] Spirits of turpentine was reported in barrels of 51 gallons and rosin in barrels of 475 pounds in 1899 census. In this report turpentine is reported in gallons and rosin in barrels of 280 pounds.

The value of turpentine and rosin products have decreased 43.2 per cent since 1899, owing to the rapid depletion of the longleaf pine forests of the state. In 1914 the production of spirits of turpentine was 22.7 per cent less than in 1909, 34.7 per cent less than in 1904, and 59.3 per cent less than in 1899, while the output of rosin shows a decrease of 31.3 per cent as compared with 1909, 43.8 per cent as compared with 1904, and 61.5 per cent as compared with 1899.

The working unit in turpentine operations is called a crop, which consists of 10,500 boxes or cups. In 1914 there were 5,044 crops worked in the state, of which 810 crops were from virgin trees, 1,327 from yearling or second-year trees, 1,546 from third-year trees, and 1,361 from older trees; of these 2,496 were worked by the box system, and 2,548 by the cup process.

Laundries.—Statistics for power laundries are not included in the general tables or in the totals for manufacturing industries. Table 30, however, summarizes these statistics for Georgia for 1914 and 1909.

The table shows increases in all the items given, with the exception of proprietors and firm members. Establishments owned by individuals reported 15.8 per cent of the amount received for work done; those owned by corporations, 75.2 per cent; and those under other forms of ownership, 9 per cent.

Table 30 — Power laundries	Number or amount		Per cent of increase,[1] 1909–1914
	1914	1909	
Number of establishments	43	42	.....
Persons engaged	2,003	1,525	31.7
Proprietors and firm members	35	37	.....
Salaried employees	197	156	26.3
Wage earners (average number)	1,776	1,332	33.3
Primary horsepower	1,773	1,180	50.3
Capital	$1,044,728	$654,756	59.6
Salaries and wages	778,966	516,075	50.9
Salaries	207,229	131,877	57.1
Wages	571,737	384,198	48.8
Paid for contract work	1,895	.....	.....
Rent and taxes	49,152	31,677	55.2
Cost of materials	335,841	191,654	75.2
Amount received for work done	1,632,221	1,006,724	62.1

[1] Percentages are omitted where base is less than 100.

Table 31 shows, for 1914 and 1909, the number of wage earners employed in the laundries on the 15th of each month, or the nearest representative day, and the percentage which this number represents of the greatest number employed in any month of the same year.

Table 31 — Month	Wage earners: Number		Wage earners: Per cent of maximum	
	1914	1909	1914	1909
January	1,742	1,292	93.4	94.5
February	1,756	1,285	94.1	94.0
March	1,762	1,303	94.4	95.3
April	1,757	1,318	94.2	96.4
May	1,793	1,325	96.1	96.9
June	1,831	1,342	98.1	98.2
July	1,866	1,366	100.0	99.9
August	1,834	1,367	98.3	100.0
September	1,788	1,366	95.8	99.9
October	1,746	1,351	93.6	98.8
November	1,731	1,342	92.8	98.2
December	1,707	1,323	91.5	96.8

Table 32 gives statistics as to kinds and amounts of power used in the laundries of the state in 1914 and 1909, together with percentages of increase for the five-year period.

Table 32 — Kind	Number of engines or motors		Horsepower: Amount		Per cent of increase, 1909–1914
	1914	1909	1914	1909	
Primary power, total	91	52	1,773	1,180	50.3
Owned—Steam	40	40	1,544	1,101	40.2
Rented—Electric	51	12	229	[1] 79	.....
Electric—Generated in establishments reporting	40	33	104	80	.....

[1] Includes other rented power.

Table 33 shows the kinds and quantities of fuel used in the laundries, as reported at the censuses of 1914 and 1909, with percentages of increase.

Table 33 — Kind	Unit	Quantity		Per cent of increase,[1] 1909–1914
		1914	1909	
Anthracite coal	Tons, 2,000 lbs.	544	310	75.5
Bituminous coal	Tons, 2,000 lbs.	18,026	12,279	46.8
Coke	Tons, 2,000 lbs.	744	204	264.7
Oil	Barrels	64	212	—69.8
Gas	1,000 cubic feet	2,698	1,695	59.2

[1] A minus sign (—) denotes decrease.

GENERAL TABLES.

Table 34 gives for 1914, 1909, and 1904 the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for selected industries in the state and in the cities having 50,000 inhabitants or more; and for the cities having more than 10,000 inhabitants, similar data for all industries combined.

Table 35 presents for 1914, in the state as a whole and in cities with 50,000 inhabitants or more, statistics in detail for each industry that can be shown without the disclosure of the operations of individual establishments, and the statistics for all industries combined for each of the cities in the state having more than 10,000 inhabitants.

TABLE 34.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1914	4,639	104,461	357,403	$38,128	$160,089	$253,271
	1909	4,792	104,588	298,241	34,805	116,970	202,863
	1904	3,219	92,749	220,419	27,392	83,625	151,040
Agricultural implements	1914	18	577	1,516	230	845	1,501
	1909	17	552	1,307	190	583	1,117
	1904	16	534	939	171	602	1,040
Bags, other than paper	1914	4	287	1,291	110	281	698
	1909	5	202	523	50	466	604
Boxes and cartons, paper	1914	5	363	233	114	786	1,125
	1909	8	309	208	93	786	1,140
	1904	4	172	36	36	87	185
Bread and other bakery products.	1914	107	726	572	331	1,519	2,537
	1909	110	491	227	213	932	1,532
	1904	82	396	52	138	560	935
Brick, tile, pottery, and other clay products.	1914	67	1,907	9,836	747	833	2,421
	1909	102	2,493	9,016	781	687	2,325
	1904	80	1,731	5,895	417	407	1,543
Carriages and wagons and materials.	1914	65	955	1,565	466	1,364	2,354
	1909	83	1,059	1,353	489	1,367	2,560
	1904	75	1,115	1,110	426	1,222	2,303
Cars and general shop construction and repairs by steam-railroad companies.	1914	34	6,943	14,327	4,341	4,120	8,970
	1909	34	6,269	6,879	3,162	2,964	6,535
	1904	28	4,777	2,141	2,416	2,058	4,775
Clothing, men's, including shirts.	1914	21	1,303	394	379	1,624	2,518
	1909	22	1,242	290	341	1,168	1,934
	1904	[1] 14	1,022	168	265	929	1,482
Coffins, burial cases, and undertakers' goods.	1914	8	200	683	98	206	494
	1909	6	166	435	57	121	345
	1904	7	133	379	63	111	277
Confectionery	1914	18	636	380	239	1,243	2,065
	1909	23	648	583	225	1,432	2,172
	1904	16	589	392	156	969	1,570
Cooperage	1914	10	139	289	68	304	424
	1909	14	344	647	114	470	777
	1904	16	268	496	89	422	631
Copper, tin, and sheet-iron products.	1914	[2] 23	499	443	286	779	1,376
	1909	25	619	409	292	707	1,326
	1904	[3] 11	186	16	88	182	325
Cotton goods	1914	118	30,719	112,626	8,119	41,210	59,982
	1909	116	27,803	92,979	7,721	32,019	48,037
	1904	103	21,139	77,435	5,313	23,832	35,174
Fertilizers	1914	230	3,833	19,097	1,406	21,220	29,046
	1909	110	2,770	10,488	921	10,944	16,800
	1904	57	2,192	6,531	581	6,527	9,461
Flour-mill and gristmill products.	1914	128	367	8,672	144	5,254	6,084
	1909	105	386	9,052	144	6,729	8,000
	1904	114	464	8,341	146	7,265	8,179
Food preparations, not elsewhere specified.	1914	15	692	2,202	270	14,047	16,824
	1909	9	216	774	83	5,523	6,410
	1904	3	6	.....	2	23	28
Foundry and machine-shop products.	1914	[4] 116	2,648	4,532	1,484	2,559	5,830
	1909	107	2,892	5,244	1,452	2,662	5,808
	1904	84	3,112	3,779	1,298	2,052	5,264
Furniture	1914	34	1,365	2,967	$509	$1,049	$2,042
	1909	42	1,406	2,610	508	883	2,060
	1904	32	1,828	2,410	504	902	2,115
Gas, illuminating and heating.	1914	19	560	1,999	279	653	2,021
	1909	15	459	689	206	368	1,425
	1904	12	482	587	164	291	1,061
Hosiery and knit goods	1914	22	3,468	3,386	995	3,063	4,893
	1909	22	2,743	2,948	719	1,872	3,233
	1904	21	1,935	2,005	396	1,417	2,326
Ice, manufactured	1914	74	890	15,524	454	611	2,065
	1909	61	494	8,125	210	275	1,163
	1904	48	399	5,353	142	200	858
Leather goods	1914	[5] 40	778	577	299	1,414	2,004
	1909	34	683	685	252	1,332	2,086
	1904	29	1,021	827	330	1,325	2,072
Liquors, malt	1914	3	193	908	111	380	872
	1909	4	212	968	120	416	1,207
	1904	5	319	1,063	141	306	1,284
Lumber and timber products.	1914	[6] 1,588	18,196	74,640	6,740	9,311	22,115
	1909	1,826	22,257	83,464	7,305	8,505	24,632
	1904	949	19,684	56,431	6,324	6,666	21,648
Marble and stone work	1914	100	2,622	5,912	1,278	1,114	3,652
	1909	104	2,099	3,370	998	793	2,648
	1904	50	2,018	2,883	823	626	2,408
Mattresses and spring beds.	1914	17	299	496	316	507	916
	1909	20	310	465	129	512	949
	1904	9	226	167	67	420	681
Mineral and soda waters	1914	204	846	1,382	370	1,724	3,386
	1909	176	545	363	181	861	1,835
	1904	93	345	126	101	373	935
Oil, cottonseed, and cake	1914	153	4,212	43,143	1,376	27,236	32,715
	1909	142	2,888	29,510	846	19,440	23,641
	1904	112	2,307	20,850	608	11,262	13,540
Patent medicines and compounds and druggists' preparations.	1914	[7] 45	155	206	63	592	1,219
	1909	50	210	84	81	442	1,421
	1904	34	168	126	63	319	1,541
Printing and publishing	1914	[8] 441	2,476	2,985	1,696	1,972	7,576
	1909	442	2,395	2,008	1,344	1,588	6,400
	1904	359	2,066	1,264	964	1,030	3,980
Tobacco, cigars	1914	68	331	4	138	187	450
	1909	50	360	10	169	196	506
	1904	37	255	32	81	124	296
Turpentine and rosin	1914	562	9,118	1,158	2,101	1,173	4,608
	1909	592	12,787	1,407	2,931	1,260	6,939
	1904	432	11,736	362	3,041	1,156	7,706
Woolen goods	1914	3	524	1,680	181	355	598
	1909	7	660	1,437	175	443	871
	1904	8	647	1,181	129	424	656
All other industries	1914	279	5,634	21,778	2,390	10,554	17,890
	1909	309	5,619	19,684	2,303	8,194	14,425
	1904	279	6,436	16,952	1,909	9,536	14,761

[1] Excludes statistics of one establishment, to avoid disclosure of individual operations.
[2] Includes "tinware, not elsewhere specified."
[3] Excludes statistics of two establishments, to avoid disclosure of individual operations.
[4] Includes "automobile repairing," "iron and steel, cast-iron pipe," and "structural ironwork, not including that made in steel works or rolling mills."
[5] Includes "saddlery and harness," and "trunks and valises."
[6] Includes "boxes, wooden packing," and "lumber, planing-mill products not including planing mills connected with sawmills."
[7] Includes "perfumery and cosmetics."
[8] Includes "bookbinding and blank-book making" and "engraving, steel and copper plate, including plate printing."

TABLE 34.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
ATLANTA—All industries.	1914	423	12,585	28,803	$6,004	$23,117	$41,279
	1909	483	12,302	22,768	5,436	16,418	33,038
	1904	294	11,891	.....	4,435	13,441	25,746
Artificial stone products	1914	7	50	.....	19	20	59
	1909	9	157	25	61	61	166
	1904	3	20	.....	12	15	37
Bread and other bakery products.	1914	22	299	254	140	787	1,310
	1909	20	193	113	93	438	690
	1904	14	150	.....	53	248	391
Carriages and wagons and materials.	1914	8	104	75	64	134	282
	1909	11	171	85	97	222	383
	1904	5	133	.....	67	150	286
Clothing, men's, including shirts.	1914	8	654	214	196	728	1,069
	1909	8	690	119	213	601	1,020
	1904	6	628	.....	167	530	873
Confectionery	1914	7	593	344	226	1,155	1,926
	1909	12	565	520	198	1,288	1,924
	1904	8	447	.....	118	642	1,079
Copper, tin, and sheet-iron products.	1914	5	239	220	146	395	716
	1909	12	397	162	188	433	817
	1904	6	362	.....	124	362	579
Foundry and machine-shop products.	1914	26	671	962	378	609	1,417
	1909	25	554	1,084	310	594	1,234
	1904	22	949	.....	433	740	1,818
Furniture and refrigerators.	1914	15	558	1,066	236	552	1,032
	1909	19	551	1,116	226	363	899
	1904	8	359	.....	125	222	457
Leather goods	1914	5	26	6	16	29	75
	1909	10	67	61	35	101	202
	1904	7	125	.....	50	125	290
Lumber and timber products.	1914	15	666	1,785	296	1,151	1,773
	1909	19	1,034	2,699	395	1,230	2,043
	1904	11	917	.....	313	843	1,555
Marble and stone work	1914	9	85	150	44	37	110
	1909	16	155	95	109	77	245
	1904	9	128	.....	73	87	206
Mattresses and spring beds.	1914	7	204	269	$101	$372	$672
	1909	10	231	291	100	404	768
	1904	5	199	.....	61	397	628
Paints	1914	3	20	87	8	143	195
	1909	4	28	68	14	150	177
	1904	3	19	.....	8	98	164
Printing and publishing	1914	105	1,062	1,280	755	1,170	4,423
	1909	116	1,018	903	640	951	3,836
	1904	65	959	.....	506	638	2,184
All other industries	1914	181	7,354	22,091	3,379	15,835	26,220
	1909	192	6,491	15,427	2,757	9,505	18,634
	1904	122	6,496	.....	2,325	8,344	15,199
SAVANNAH—All industries.	1914	129	2,485	6,939	1,259	3,400	6,709
	[1] 1909	135	2,649	6,028	1,188	3,245	6,540
	1904	122	3,230	.....	1,320	3,254	6,340
Bread and other bakery products.	1914	21	132	108	63	219	379
	1909	25	98	45	42	170	280
	1904	24	104	.....	40	142	253
Foundry and machine-shop products.	1914	7	177	497	110	70	267
	1909	6	255	488	137	105	442
	1904	5	255	.....	125	115	338
Ice, manufactured	1914	6	53	1,495	40	82	221
	1909	4	45	270	21	37	122
	[2] 1904	.....	.....	.....	.....	.....	.....
Lumber and timber products.	1914	[3] 8	105	731	46	177	288
	[1] 1909	7	154	815	60	114	255
	1904	8	263	.....	89	202	391
Printing and publishing	1914	[3] 22	239	353	190	184	647
	1909	24	287	183	169	188	658
	1904	24	188	.....	115	93	449
Tobacco manufactures	1914	6	118	2	40	70	133
	1909	6	72	2	21	42	78
	1904	7	153	.....	37	69	148
All other industries	1914	59	1,661	3,753	770	2,598	4,774
	1909	63	1,738	4,225	738	2,589	4,705
	1904	54	2,267	.....	914	2,633	4,761

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

ATHENS	1914	48	1,308	4,303	$459	$1,941	$3,023
	1909	37	962	2,209	294	1,329	2,112
	1904	28	509	.....	140	753	1,158
AUGUSTA	1914	73	4,925	16,549	1,983	8,532	12,138
	1909	71	5,073	13,324	1,741	6,602	10,456
	1904	64	4,839	.....	1,291	5,953	8,829
BRUNSWICK	1914	34	743	2,592	239	364	841
	1909	23	385	712	191	258	672
	1904	20	254	.....	103	187	407
COLUMBUS	1914	71	4,802	16,922	1,835	6,368	10,619
	[1] 1909	53	4,593	14,541	1,618	5,521	8,478
	1904	52	4,434	.....	1,305	4,284	7,080
MACON	1914	70	4,047	15,853	$1,801	$14,025	$18,867
	[1] 1909	79	3,606	8,584	1,377	6,573	10,052
	1904	61	3,661	.....	1,201	4,116	7,297
ROME	1914	50	1,389	2,735	539	2,206	3,301
	1909	36	1,014	2,265	320	1,078	1,864
WAYCROSS	1914	27	1,302	3,339	843	1,041	2,086
	1909	21	1,130	2,995	469	612	1,203

[1] Figures do not agree with those published, because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.
[2] Figures can not be shown without disclosing individual operations.
[3] Excludes statistics for one establishment, to avoid disclosure of individual operations.

TABLE 35.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	4,639	118,565	4,443	4,198	4,679	784	104,461	Mh 115,286	De 97,751	(3)	(3)	(3)	(3)	(3)	$258,325,811
2	Agricultural implements	18	659	16	31	30	5	577	Ja 798	Je 407	613	594	.....	19	.....	1,801,169
3	Artificial stone products	27	152	29	14	2	1	106	Ap 146	De 82	132	127	.....	5	.....	137,827
4	Automobile repairing	17	117	23	5	1	.....	88	Au 4 90	De 4 87	90	90	.....	.....	.....	58,581
5	Bags, other than paper	4	303	3	6	4	3	287	Se 331	Ja 220	360	197	105	29	29	1,076,436
6	Boxes and cartons, paper	5	430	.....	24	36	7	363	Se 396	De 335	354	163	190	1	.....	810,537
7	Boxes, wooden packing	7	860	3	22	11	1	823	Ap 929	Oc 4 746	813	688	108	17	.....	933,492
8	Bread and other bakery products	107	937	110	25	53	23	726	Je 739	Ja 701	730	576	131	18	5	856,389
9	Brick and tile, terra-cotta, and fire-clay products.	53	2,053	35	83	53	7	1,875	.....	.....	2,178	2,153	1	24	.....	4,204,939
10	Building brick	43	1,158	35	48	22	2	1,051	Je 1,292	De 587	1,342	1,323	1	18	.....	2,342,608
11	Sewer pipe and draintile	6	537	.....	22	11	1	503	Ap 543	No 337	525	520	.....	5	.....	1,017,216
12	Fire brick and architectural terra cotta.	4	358	.....	13	20	4	321	Jy 338	Fe 306	311	310	.....	1	.....	845,115
13	Brooms	12	106	9	4	1	.....	92	De 99	Jy 78	100	93	3	4	.....	125,897
14	Canning and preserving, fruits and vegetables.	10	128	10	5	.....	.....	113	.....	.....	655	214	350	40	51	89,724
15	Canned vegetables	5	55	6	2	.....	.....	47	Jy 193	Ja 4 20	211	48	90	32	41	19,500
16	Canned fruits	5	73	4	3	.....	.....	66	Jy 440	Au 40	444	166	260	8	10	70,224
17	Canning and preserving, oysters	3	263	4	4	7	1	247	Ja 4 368	Je 5 0	367	172	185	3	7	59,822
18	Carriage and wagon materials	6	131	5	8	3	1	114	Fe 134	Se 80	125	119	2	4	.....	173,137
19	Carriages, wagons, and repairs	59	1,004	61	49	40	13	841	Mh 1,028	De 478	957	948	5	4	.....	2,457,129
20	Cars and general shop construction and repairs by electric-railroad companies.	8	242	.....	7	16	.....	219	Ja 237	De 4 204	210	210	.....	.....	.....	653,353
21	Cars and general shop construction and repairs by steam-railroad companies.	34	7,380	.....	185	231	21	6,943	Jy 7,142	No 6,648	6,616	6,605	10	1	.....	4,635,912
22	Clothing, men's and youths'	17	1,316	14	32	74	9	1,187	Mh 1,402	No 779	1,374	143	1,209	5	17	1,254,361
23	Clothing, women's	7	243	5	10	11	2	215	Mh 261	Oc 165	238	14	223	.....	1	154,120
24	Coffee, roasting and grinding	6	45	4	5	6	.....	30	Mh 31	De 29	29	18	11	.....	.....	79,546
25	Coffins, burial cases, and undertakers' goods.	8	239	8	12	17	2	200	Ja 213	Se 188	196	187	9	.....	.....	601,277
26	Confectionery and ice cream	42	962	34	36	137	29	726	.....	.....	810	402	396	8	4	1,185,137
27	Confectionery	18	832	15	25	127	29	636	De 717	Jy 582	707	301	396	6	4	1,048,170
28	Ice cream	24	130	19	11	10	.....	90	Je 128	De 4 55	103	101	.....	2	.....	136,967
29	Cooperage	10	161	6	13	1	2	139	Ap 174	Ja 111	148	148	.....	.....	.....	322,317
30	Copper, tin, and sheet-iron products.	23	592	15	24	43	11	499	Ja 580	De 446	450	381	43	23	3	2,704,707
31	Cotton goods	118	31,486	9	398	301	59	30,719	Ja 31,763	Au 29,259	34,226	18,327	9,514	4,898	1,487	70,705,809
32	Druggists' preparations	3	31	.....	5	1	1	24	Jy 4 25	Fe 4 23	24	9	15	.....	.....	28,500
33	Fertilizers	230	5,005	136	412	571	53	3,833	Mh 9,997	Jy 1,920	4,885	4,859	2	24	.....	46,507,610
34	Flavoring extracts	4	17	2	1	.....	.....	14	Jy 4 15	De 4 13	13	13	.....	.....	.....	19,902
35	Flour-mill and gristmill products	128	617	151	38	53	8	367	Jy 394	De 352	381	380	.....	1	.....	2,317,442
36	Food preparations, not elsewhere specified.	15	893	11	24	148	18	692	.....	.....	747	727	20	.....	.....	4,270,016
37	Breadstuff preparations, lard compounds, and macaroni.	5	784	3	14	138	15	614	No 644	My 577	622	602	20	.....	.....	4,005,686
38	All other, including that for animals and fowls.	10	109	8	10	10	3	78	Oc 100	Au 60	125	125	.....	.....	.....	264,330
39	Foundry and machine-shop products	95	2,840	96	115	191	37	2,401	.....	.....	2,365	2,347	3	15	.....	7,756,863
40	Boiler shops and foundries	9	365	8	14	25	4	314	Ja 334	Mh 268	353	352	.....	1	.....	739,609
41	Machine shops	86	2,475	88	101	166	33	2,087	Au 2,359	No 1,667	2,012	1,995	3	14	.....	7,017,254
42	Furniture	34	1,528	13	68	66	16	1,365	.....	.....	1,536	1,448	21	67	.....	2,056,936
43	Wood, including rattan and willow.	24	1,165	11	44	42	10	1,058	Fe 1,280	Oc 776	1,222	1,150	21	51	.....	1,410,985
44	Metal, including store and office fixtures.	10	363	2	24	24	6	307	Au 334	De 235	314	298	.....	16	.....	645,951
45	Gas, illuminating and heating	19	769	.....	42	151	16	560	Je 668	Fe 468	521	479	42	.....	.....	9,985,826
46	Hand stamps	5	23	4	1	2	2	14	(6) 14	(6) 14	14	12	1	1	.....	20,951
47	Hosiery and knit goods	22	3,602	3	59	57	15	3,468	Ja 3,581	De 3,237	3,641	1,274	2,047	138	182	3,779,510
48	Ice, manufactured	74	1,143	42	90	110	11	890	Jy 1,250	Ja 606	966	930	2	34	.....	8,342,247
49	Jute goods	4	95	3	6	3	1	82	Ap 4 96	No 50	96	51	38	1	6	165,839
50	Liquors, malt	3	225	.....	16	15	1	193	Jy 4 227	Ja 159	192	192	.....	.....	.....	1,176,908
51	Lumber and timber products	1,438	17,439	1,819	381	202	14	15,023	Mh 17,082	No 13,508	20,882	20,795	10	2	75	18,048,804
52	Lumber, planing-mill products, not including planing mills connected with sawmills.	143	2,834	144	168	151	21	2,350	Je 4 2,542	No 1,979	2,267	2,238	14	14	1	5,063,769
53	Marble and stone work	100	2,919	104	99	114	10	2,622	Jy 2,882	De 2,066	2,772	2,744	.....	28	.....	4,119,780
54	Mattresses and spring beds	17	378	10	28	34	7	299	Ja 364	De 222	315	218	31	61	5	607,370
55	Millinery and lace goods	5	187	1	10	8	3	165	Mh 240	Jy 122	156	47	109	.....	.....	237,195
56	Mineral and soda waters	204	1,250	202	119	71	12	846	Jy 979	Ja 732	857	826	7	24	.....	1,930,841
57	Minerals and earths, ground	9	207	.....	17	6	.....	184	Ja 228	Je 122	236	232	2	2	.....	1,075,530
58	Oil, cottonseed, and cake	153	5,117	17	450	415	23	4,212	Oc 6,686	Jy 1,284	6,658	6,642	7	9	.....	18,818,461
59	Optical goods	7	64	4	8	4	1	47	My 4 50	De 36	46	46	.....	.....	.....	69,026
60	Paints	6	57	3	5	19	3	27	Se 4 30	Fe 24	29	26	3	.....	.....	249,813
61	Patent medicines and compounds	41	277	31	28	58	31	129	Fe 146	Jy 107	141	90	48	3	.....	565,342
62	Paving materials	5	270	2	7	7	1	253	Jy 344	De 110	308	306	.....	2	.....	313,018
63	Photo-engraving	4	48	7	6	2	.....	33	De 4 35	Jy 4 32	35	32	.....	3	.....	30,097
64	Pottery, earthen and stone ware	14	53	19	.....	2	.....	32	My 42	De 17	41	41	.....	.....	.....	25,250

[1] Owned power only. [2] Includes rented power, other than electric. [3] No figures given for reasons stated under "Explanation of terms."

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$6,624,856	$5,197,421	$38,128,407	$817,739	$784,344	$2,000,850	$154,558,903	$5,529,706	$253,270,511	$93,181,902	357,403	245,811	7,305	27,829	76,458	26,682	1
64,671	32,274	230,384	479	1,195	14,961	824,330	20,499	1,501,347	656,518	1,516	1,131	43	.....	342	681	2
14,606	1,756	43,688	200	3,683	1,412	49,428	93	146,819	97,298	12	.....	12	.....	.....	.....	3
6,000	600	62,848	1,025	7,590	943	65,843	2,304	180,295	112,148	138	.....	69	.....	69	.....	4
16,300	4,970	109,774	250	18	4,872	267,588	13,732	698,081	416,761	1,291	1,230	6	30	25	1,260	5
44,953	60,116	114,126	.....	18,031	6,299	780,833	5,361	1,124,562	338,368	233	125	.....	.....	108	95	6
43,363	10,303	268,474	5,648	156	4,723	371,426	1,532	895,031	522,073	2,285	2,240	.....	.....	45	62	7
45,484	50,929	330,548	1,000	51,584	9,098	1,475,386	43,711	2,537,212	1,018,115	572	9	.....	.....	563	.....	8
143,134	49,528	739,017	3,439	516	18,839	233,849	594,139	2,394,349	1,566,361	9,741	6,155	18	.....	3,568	55	9
67,833	26,193	388,591	1,675	516	10,112	77,803	377,748	1,304,995	849,444	6,981	4,085	13	.....	2,883	40	10
49,506	11,595	211,635	1,300	.....	4,908	116,276	130,672	665,588	418,640	1,800	1,110	5	.....	685	.....	11
25,795	11,740	138,791	464	.....	3,819	39,770	85,719	423,766	298,277	960	960	.....	.....	.....	15	12
4,740	600	31,512	.....	3,426	835	129,226	1,388	198,125	67,511	58	.....	13	.....	45	.....	13
5,051	.....	18,008	.....	250	447	88,278	1,088	133,775	44,409	216	200	4	12	.....	.....	14
416	.....	4,130	.....	250	61	12,976	290	22,742	9,476	73	69	4	.....	.....	.....	15
4,635	.....	13,878	.....	.....	386	75,302	798	111,033	34,933	143	131	.....	12	.....	.....	16
6,668	3,665	28,483	.....	280	352	43,787	1,360	103,848	58,701	163	20	143	.....	.....	4	17
13,479	2,692	42,485	.....	3,727	1,899	154,726	2,777	254,065	96,562	200	85	10	.....	105	.....	18
76,455	63,760	423,092	225	21,352	17,515	1,182,250	24,247	2,100,143	893,646	1,365	705	98	.....	562	16	19
12,634	17,639	80,531	.....	.....	8,104	95,215	1,557	214,642	117,870	203	.....	.....	.....	203	222	20
248,152	249,699	4,340,507	655	3,000	4,754	3,969,740	150,327	8,970,460	4,850,393	14,327	7,975	97	.....	6,255	4,051	21
50,175	64,591	346,511	19,907	22,172	6,681	1,526,604	9,781	2,371,145	834,760	369	.....	32	25	312	30	22
19,142	16,619	76,527	.....	5,393	1,010	180,577	1,945	348,288	165,766	53	.....	.....	.....	53	.....	23
8,535	4,540	11,132	.....	4,810	714	112,704	1,376	168,908	54,828	63	.....	.....	.....	63	.....	24
21,063	32,210	98,410	.....	.....	4,932	200,064	5,752	494,433	288,617	683	505	.....	110	68	.....	25
81,104	132,797	277,649	315	21,149	11,765	1,488,463	31,407	2,455,233	935,363	817	180	5	.....	632	110	26
66,824	123,855	238,567	.....	9,114	10,552	1,225,704	17,091	2,065,068	822,293	380	175	.....	.....	205	110	27
14,280	8,942	39,082	315	12,035	1,213	262,759	14,316	390,145	113,070	437	5	5	.....	427	.....	28
16,362	785	68,410	246	350	3,390	300,629	3,420	423,698	119,649	289	125	12	.....	152	.....	29
57,333	51,330	235,886	.....	7,025	10,013	769,110	10,005	1,375,978	596,863	443	290	2	.....	151	167	30
896,253	347,682	8,118,917	55,772	1,290	487,783	39,831,150	1,378,424	59,982,068	18,772,434	112,626	67,803	4	21,986	22,833	11,626	31
17,940	1,720	12,002	.....	3,000	938	43,740	103	118,000	74,157	3	.....	.....	.....	3	.....	32
651,493	672,126	1,405,619	57,467	61,835	193,940	20,997,048	222,872	29,045,903	7,825,983	19,097	4,996	1,818	.....	12,283	757	33
700	.....	6,309	.....	1,700	286	31,730	54	53,703	21,919	2	.....	.....	.....	2	.....	34
60,860	62,159	144,382	.....	4,408	26,224	5,206,834	47,346	6,083,760	829,580	8,672	2,650	515	4,212	1,295	45	35
68,481	144,042	270,060	.....	5,139	31,167	13,917,056	129,930	16,824,265	2,777,279	2,202	645	579	.....	978	266	36
54,311	127,703	238,157	.....	840	28,317	13,084,126	125,066	15,844,890	2,635,698	1,597	535	550	.....	512	266	37
14,170	16,339	31,903	.....	4,299	2,850	832,930	4,864	979,375	141,581	605	110	29	.....	466	.....	38
237,375	318,896	1,329,362	29,364	27,855	56,877	2,128,924	106,831	5,242,034	3,006,279	3,822	2,301	214	175	1,132	1,654	39
18,490	21,982	163,783	.....	7,260	10,462	389,149	33,753	774,021	351,119	598	383	17	100	98	60	40
218,885	296,914	1,165,579	29,364	20,595	46,415	1,739,775	73,078	4,468,013	2,655,160	3,224	1,918	197	75	1,034	1,594	41
132,172	89,591	509,382	14,124	26,614	16,007	1,021,131	28,636	2,042,263	993,096	2,967	2,115	41	.....	811	35	42
92,039	58,625	381,991	.....	23,989	12,373	691,080	17,677	1,444,306	735,549	1,989	1,700	8	.....	281	25	43
40,133	30,966	127,391	14,124	2,625	3,634	330,051	10,359	597,957	257,547	978	415	33	.....	530	10	44
67,728	145,925	278,822	922	1,450	114,726	206,344	446,645	2,020,780	1,367,791	1,999	1,534	.....	.....	465	17	45
2,400	1,780	8,904	701	1,994	249	6,543	353	36,250	29,354	3	.....	.....	.....	3	.....	46
99,278	80,703	994,920	885	345	22,434	2,952,709	110,143	4,892,931	1,830,079	3,386	1,710	35	.....	1,641	144	47
140,974	97,625	454,470	1,706	14,966	50,572	207,639	403,847	2,064,984	1,453,498	15,524	15,303	12	.....	209	474	48
8,488	2,480	17,418	190	1,680	2,097	166,237	873	188,386	21,276	180	.....	.....	.....	180	.....	49
48,976	21,273	111,253	.....	.....	157,453	348,858	31,236	871,764	491,670	908	780	.....	.....	128	568	50
384,151	194,603	5,474,781	244,149	10,775	116,278	4,702,185	58,316	14,801,752	10,041,251	61,518	59,554	373	626	965	244	51
232,540	174,841	996,946	17,062	28,007	53,218	4,118,520	59,020	6,418,212	2,240,672	10,837	9,024	239	105	1,469	118	52
156,404	123,625	1,277,931	17,368	31,431	16,241	1,003,065	110,599	3,651,595	2,537,931	5,912	4,258	164	195	1,295	673	53
59,684	48,563	316,347	.....	16,242	7,173	496,555	10,245	915,941	409,141	496	.....	50	.....	446	.....	54
24,718	9,374	71,636	.....	8,204	1,085	208,478	3,257	379,086	167,351	74	25	10	.....	39	.....	55
155,216	70,264	369,532	2,885	51,728	70,482	1,675,560	48,147	3,385,747	1,662,040	1,382	414	326	1	641	.....	56
22,256	4,175	76,849	1,930	9,827	2,060	66,745	37,506	250,077	145,826	1,400	1,385	15	.....	.....	50	57
617,872	344,834	1,375,936	18,145	15,302	153,560	26,558,716	677,204	32,714,801	5,478,881	43,143	35,853	1,083	.....	6,207	650	58
17,440	6,747	35,045	.....	8,539	2,399	93,648	937	198,431	103,846	23	.....	.....	.....	23	.....	59
9,746	16,056	11,148	200	4,190	1,253	159,287	2,435	225,248	63,526	322	.....	185	.....	137	.....	60
49,674	74,500	50,273	2,368	15,919	7,117	539,183	2,934	1,089,358	547,241	153	90	2	.....	61	3	61
17,050	6,800	117,670	1,250	6,950	568	33,363	11,865	210,497	165,179	1,200	375	.....	.....	825	.....	62
12,400	1,480	32,558	.....	1,650	239	7,085	1,066	75,110	66,959	32	.....	.....	.....	32	.....	63
.....	1,905	8,232	300	174	86	3,668	1,670	26,800	21,462	95	60	.....	.....	35	.....	64

[1] Same number reported for one or more other months. [2] None reported for one or more other months. [3] Same number reported throughout the year.

TABLE 35.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	Printing and publishing, book and job.	122	1,277	128	84	98	44	923			889	620	247	20	2	$2,227,035
2	Job printing	116	1,225	125	76	90	43	891	Fe 942	Oc 845	856	600	235	19	2	2,132,600
3	Book publishing and printing, including linotype work.	6	52	3	8	8	1	32	Jy 35	Ja [3] 30	33	20	12	1		94,435
4	Printing and publishing, newspapers and periodicals.	313	2,786	320	205	609	156	1,496			1,476	1,325	95	56		3,573,331
5	Printing and publishing	30	1,002	17	70	369	72	474	Jy 488	Fe 455	466	440	19	7		1,217,829
6	Printing, publishing, and job printing.	226	1,587	270	96	152	47	1,022	Je 1,044	De [3] 1,011	1,010	885	76	49		2,107,624
7	Publishing without printing	57	197	33	39	88	37									247,878
8	Saddlery and harness	37	896	43	32	56	7	758	Fe 912	De 544	812	723	77	7		1,781,211
9	Shipbuilding, wooden, new vessels and small boats.	4	18	4				14	Au [3] 18	Ja [3] 11	11	11				11,275
10	Shirts	4	124	1	6	1		116	Oc 126	Jy 98	124	23	99	2		53,762
11	Stoves and hot-air furnaces	6	269	1	17	17	5	229	My 280	No 155	206	206				536,879
12	Structural ironwork, not made in steel works or rolling mills.	3	82	1	3	11		67	Oc 83	Mh 58	80	80				185,802
13	Tobacco, cigars	68	423	70	14	8		331	Oc 350	Au 309	384	191	180	10	3	152,994
14	Trunks and valises	3	30	3	5	2		20	Ja 35	De [3] 12	19	19				27,298
15	Turpentine and rosin	562	10,166	569	422	55	2	9,118	My 10,116	De 7,714	9,998	9,933	1	64		4,572,172
16	Upholstering materials, excelsior	4	36	2	3			31	Oc [3] 40	Ja [3] 25	40	40				28,110
17	Wirework, guards, railings, and baskets.	3	14	3				11	Mh [3] 13	De 9	11	11				4,175
18	Wood, turned and carved	5	100	4	5	2		89	My 127	Au 25	80	78		2		155,202
19	Woolen goods	3	542		11	4	3	524	Ja 612	De 393	505	267	205	21	12	1,274,798
20	All other industries *	119	4,075	67	186	277	65	3,480								11,077,273

* All other industries embrace—

Artificial limbs	1
Artists' materials	1
Asbestos products	1
Automobile bodies and parts	1
Awnings, tents, and sails	2
Babbitt metal and solder	1
Baskets, and rattan and willow ware	1
Belting, leather	2
Bookbinding and blank-book making	2
Boots and shoes	1
Brass and bronze products	2
Brushes	1
Butter	1
Canning and preserving, fish	2
Card cutting and designing	1
Cars, steam-railroad, not including operations of railroad companies	2
Cement	1
Charcoal, not including production in the lumber and wood distillation industries	1
Chemicals	3
Cleansing preparations	1
Coke, not including gas-house coke	1
Cordage and twine	2
Cordials and flavoring sirups	4
Cotton small wares	1
Dyestuffs and extracts	2
Engraving, steel and copper plate, including plate printing	1
Fancy articles, not elsewhere specified	2
Furnishing goods, men's	2
Glass, cutting, staining, and ornamenting	3
Graphite, ground and refined	1
Grease and tallow	1
Hats, straw	1
Hats, wool felt	1
Hones and whetstones	1
House-furnishing goods, not elsewhere specified	2
Ink, printing	2
Iron and steel, steel works and rolling mills	1
Iron and steel, cast-iron pipe	1
Jewelry	1
Labels and tags	1

	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	**ATLANTA**—All industries	423	15,504	270	647	1,634	368	12,585	Mh 13,396	De 11,773	12,570	9,233	3,070	207	60	$36,084,127
2	Artificial stone products	7	65	4	9	2		50	Ap 89	De [3] 34	62	62				77,200
3	Boxes and cartons, paper	5	431		24	36	7	364	Se 396	De 335	354	163	190	1		810,537
4	Bread and other bakery products	22	399	21	18	48	13	299	My 312	Ja 285	294	242	46	1	5	408,163
5	Brooms	5	70	3	3	1		63	De 66	Jy 58	67	62	1	4		72,756
6	Carriages and wagons and materials	8	133	7	11	4	7	104	My [3] 111	De [3] 95	98	95	2	1		174,413
7	Cars and general shop construction and repairs by steam-railroad companies.	3	1,561		47	44	5	1,465	Se 1,500	De 1,432	1,387	1,377	10			957,132
8	Clothing, men's and youth's	8	701	6	13	27	1	654	Fe 789	De 483	767	72	694		1	508,967
9	Clothing, women's	7	243	5	10	11	2	215	Mh 262	Oc 165	238	14	223		1	154,120
10	Confectionery and ice cream	12	822	4	27	126	27	638			713	310	393	6	4	1,019,844
11	Confectionery	7	766	2	23	121	27	593	De 681	Je [3] 534	671	268	393	6	4	963,059
12	Ice cream	5	56	2	4	5		45	Je 63	De [3] 31	42	42				56,785
13	Copper, tin, and sheet-iron products [4]	5	273	2	7	22	3	239	Ja 319	De 179	179	168	8	3		1,301,653
14	Foundry and machine-shop products	20	594	20	20	47	11	496	Jy 588	De 415	443	436		7		1,507,187
15	Furniture and refrigerators	15	647	6	29	41	13	558	Se 578	De 524	535	532	1	22		965,299
16	Gas, illuminating and heating	5	367		11	92	5	259	No 287	Mh 229	260	260				4,476,445
17	Hand stamps	5	23	4	1	2	2	14	(5) 14	(5) 14	14	12	1	1		20,951
18	Ice, manufactured	5	260		7	38	5	210	Jy 286	Ja 155	203	203				2,607,721
19	Lumber, planing-mill products, not including planing mills connected with sawmills.[6]	15	766	14	23	58	5	666	Je 768	De 518	619	598	13	8		1,439,234
20	Marble and stone work	9	109	12	6	6		85	Se 107	Ja 63	97	97				67,465
21	Mattresses and spring beds	7	253	2	17	25	5	204	Ja 252	De 158	199	117	16	61	5	426,275
22	Millinery and lace goods	5	188	1	10	8	3	166	Mh 245	Jy 122	156	47	109			237,195
23	Mineral and soda waters	10	129	9	7	17	3	93	Je 113	De 73	81	81				223,446
24	Oil, cottonseed, and cake	4	415		14	42	2	357	Fe 524	My 117	498	496	2			1,970,857
25	Optical goods	3	51		8	4	1	38	My [3] 41	De 27	37	37				53,176
26	Paints	3	45		4	18	3	20	Se [3] 21	Ja [3] 18	20	17	3			215,641
27	Patent medicines and compounds	21	208	9	20	52	31	96	Ja [3] 113	Jy 75	103	65	37	1		486,162

[1] Owned power only. [2] Includes rented power, other than electric. [3] Same number reported for one or more other months.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$161,683	$126,269	$589,209	$21,040	$60,776	$15,480	$641,295	$23,593	$2,217,274	$1,552,386	1,038	19	51	.....	968	10	1
148,623	121,149	568,743	9,043	60,096	14,571	603,767	22,031	2,094,275	1,468,477	899	19	16	.....	864	10	2
13,060	5,120	20,466	11,997	680	909	37,528	1,562	122,999	83,909	139	.....	35	.....	104	.....	3
398,630	643,076	1,074,145	248,574	93,130	37,277	1,221,602	47,664	5,237,563	3,968,297	1,926	7	312	3	1,604	.....	4
180,641	330,936	466,990	13,719	39,765	14,466	564,378	22,324	2,312,898	1,726,196	934	2	43	.....	889	.....	5
158,948	195,987	607,155	4,949	43,568	21,210	630,167	25,340	2,318,041	1,662,534	992	5	269	3	715	.....	6
59,041	116,153	.....	229,906	9,797	1,601	27,057	.....	606,624	579,567	.....	.....	.....	.....	.....	.....	7
77,267	79,227	289,584	.....	9,265	14,253	1,375,477	22,406	1,950,489	552,606	539	164	52	32	291	10	8
.....	.....	8,055	.....	366	90	4,231	106	15,840	11,503	26	.....	23	.....	3	.....	9
8,510	1,200	32,871	.....	3,954	216	85,972	1,368	147,241	59,901	25	.....	.....	.....	25	.....	10
31,358	17,824	139,930	.....	720	4,727	121,424	11,072	372,443	239,947	250	125	.....	.....	125	.....	11
11,933	13,581	36,830	.....	.....	1,303	99,856	1,212	184,518	83,450	172	67	90	.....	15	100	12
10,670	3,638	137,725	310	8,094	44,069	186,238	798	450,341	263,305	4	.....	.....	.....	4	.....	13
8,066	1,183	9,574	.....	2,170	149	15,101	562	53,235	37,572	38	25	.....	.....	13	.....	14
275,344	33,568	2,101,320	40,094	6,933	36,874	1,142,356	30,274	4,607,590	3,434,960	1,158	775	363	20	.....	.....	15
2,400	.....	10,110	.....	120	300	10,870	1,181	40,150	28,099	250	175	.....	.....	75	.....	16
.....	.....	5,293	.....	420	59	4,900	35	13,600	8,665	24	.....	.....	.....	24	.....	17
8,700	2,160	44,810	529	324	553	50,445	1,586	130,416	78,385	690	490	15	.....	185	.....	18
25,375	4,980	181,194	.....	.....	5,018	334,918	19,629	997,876	243,329	1,680	1,170	.....	.....	510	.....	19
413,247	365,543	1,563,051	7,015	61,151	114,412	8,222,161	508,525	14,351,902	5,621,213	16,568	10,944	170	297	5,157	2,485	20

Lead, bar, pipe, and sheet	1	Pencils, lead	1	Show cases	2	Toys and games	2
Leather, tanned, curried, and finished	4	Perfumery and cosmetics	1	Silk goods, throwsters and winders	1	Type founding	1
Locomotives, not made by railroad companies	2	Pickles, preserves, and sauces	2	Slaughtering and meat packing	4	Umbrellas and canes	1
Looking-glass and picture frames	1	Printing and publishing, music	3	Soap	2	Waste	1
Models and patterns, not including paper patterns	1	Printing materials	2	Stationery goods, not elsewhere specified	3	Window and doorscreens and weather strips	1
Musical instruments and materials, not specified	1	Refrigerators	1	Statuary and art goods	1	Wood distillation, not including turpentine and rosin	1
Oil, not elsewhere specified	2	Regalia and society badges and emblems	1	Steam packing	1	Wood preserving	1
Paper and wood pulp	1	Roofing materials	1	Stencils and brands	1		
Paper goods, not elsewhere specified	2	Sausage	3	Stereoptying and electrotyping	2		
		Saws	1	Tobacco, smoking	1		
		Scales and balances	2	Tools, not elsewhere specified	1		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

$1,470,835	$1,892,530	$6,003,566	$268,596	$345,035	$400,497	$22,340,137	$776,919	$41,278,927	$18,161,871	28,803	21,277	62	.....	7,464	4,143	1
10,946	1,080	19,389	.....	2,725	505	19,985	50	59,008	38,973	.....	.....	.....	.....	.....	.....	2
44,953	60,116	114,126	.....	18,031	6,299	780,833	5,361	1,124,562	338,368	233	125	.....	.....	108	95	3
37,244	44,273	140,011	.....	24,793	2,908	767,742	19,091	1,310,358	523,525	254	6	.....	.....	248	.....	4
3,540	600	22,751	.....	3,210	449	97,333	744	137,524	39,447	28	.....	.....	.....	28	.....	5
14,925	10,880	64,272	150	7,950	1,558	130,109	3,514	281,799	148,178	75	.....	.....	.....	75	.....	6
67,058	41,667	988,778	.....	.....	1,706	1,061,464	29,036	2,178,005	1,087,505	745	540	.....	.....	205	165	7
24,066	16,133	195,630	19,907	16,949	2,620	722,775	5,674	1,068,811	340,362	214	.....	.....	.....	214	.....	8
19,142	16,619	76,527	.....	5,393	1,010	180,577	1,945	348,288	165,766	53	.....	.....	.....	53	.....	9
70,494	122,303	246,302	.....	14,399	10,308	1,298,686	25,223	2,142,023	818,114	614	150	.....	.....	464	110	10
63,714	116,131	225,527	.....	7,032	9,884	1,139,202	15,435	1,926,094	771,457	344	150	.....	.....	194	110	11
6,780	6,172	20,775	.....	7,367	424	159,484	9,788	215,929	46,657	270	.....	.....	.....	270	.....	12
20,721	26,282	146,201	.....	1,360	7,172	389,466	5,433	715,536	320,637	220	100	.....	.....	120	.....	13
35,703	72,850	274,016	2,518	9,563	11,527	391,136	9,176	1,056,915	656,603	533	357	.....	.....	176	.....	14
68,322	60,341	235,512	6,265	23,408	8,194	537,463	14,191	1,032,222	489,568	1,066	690	.....	.....	376	10	15
28,333	92,698	142,786	.....	650	71,953	90,129	259,690	1,185,596	835,777	1,040	585	.....	.....	455	.....	16
2,400	1,780	8,904	701	1,994	249	6,543	353	36,250	29,354	3	.....	.....	.....	3	.....	17
17,649	39,652	104,585	.....	2,153	11,221	46,855	69,204	495,804	379,745	3,668	3,648	.....	.....	20	90	18
43,402	73,830	295,842	1,000	11,440	16,827	1,138,960	12,052	1,773,082	622,070	1,785	1,725	.....	.....	60	35	19
5,335	5,175	44,030	800	2,135	704	35,268	2,112	109,684	72,304	150	70	8	.....	72	5	20
42,749	38,381	101,129	.....	13,282	5,620	365,598	6,824	671,904	299,482	269	.....	.....	.....	269	.....	21
24,718	9,374	71,636	.....	8,204	1,085	208,478	3,257	379,086	167,351	74	25	10	.....	39	.....	22
16,584	18,466	43,015	1,605	5,670	4,375	221,211	4,431	480,126	254,484	88	16	.....	.....	72	.....	23
36,592	49,510	111,339	.....	.....	11,093	2,720,137	44,313	3,224,832	460,402	2,905	2,300	10	.....	595	175	24
17,440	6,747	28,933	.....	5,279	2,089	87,073	637	169,181	81,471	15	.....	.....	.....	15	.....	25
7,946	15,256	8,350	.....	2,220	901	140,780	2,099	194,836	51,957	87	.....	.....	.....	87	.....	26
41,614	64,800	35,022	248	12,387	6,473	501,315	2,662	985,811	481,834	132	90	2	.....	40	1	27

[1] Includes "tinware."

[2] Same number reported for entire year.

[3] Includes "boxes, wooden packing."

TABLE 35.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.		Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	ATLANTA—Continued.																	
1	Printing and publishing, book and job.	50	731	48	44	63	28	548					528	354	168	6		$1,512,796
2	Job printing	47	722	47	43	57	28	547	Fe	579	Oc	515	525	352	168	5		1,501,796
3	Book publishing and printing, including linotype work.	3	9	1	1	6		1	De [2]	3	Au [2]	2	3	2		1		11,000
4	Printing and publishing, newspapers and periodicals.	52	1,178	22	84	497	116	459					434	411	18	5		1,511,113
5	Printing and publishing	4	604		29	330	55	190	Ja	199	Se	178	181	178	2	1		653,678
6	Printing, publishing, and job printing.	6	392	2	18	79	24	269	Je	290	No	252	253	233	16	4		622,068
7	Publishing without printing	42	182	20	37	88	37											235,367
8	Tobacco, cigars	14	57	16	1	3		37	De	42	Au [2]	30	56	35	21			23,604
9	All other industries *	98	4,785	55	172	300	70	4,188					4,108	2,870	1,114	80	44	12,854,775

* All other industries embrace—
Agricultural implements 1
Artificial limbs 1
Automobile repairing 4
Awnings, tents, and sails 1
Babbitt metal and solder 1
Belting, leather 2
Bookbinding and blank-book making 1
Boots and shoes 1
Brass and bronze products 2
Brushes 1
Card cutting and designing 1
Cars and general shop construction and repairs by steam-railroad companies 1
Cars, steam-railroad, not including operations of railroad companies 1
Chemicals 3
Coffee, roasting and grinding 3
Coffins, burial cases, and undertakers' goods 2
Cordials and flavoring sirups 3
Cotton goods 2
Druggists' preparations 2
Engraving, steel and copper-plate, including plate printing 1
Fertilizers 1
Flavoring extracts 3
Flour-mill and gristmill products 1
Food preparations, sweetening sirups, other than cane 1
Furnishing goods, men's 2
Glass, cutting, staining, and ornamenting 3
Graphite, ground and refined 1
Hats, straw 1
Hones and whetstones 1
Hosiery and knit goods 1

1	**SAVANNAH**—All industries	129	2,970	116	107	221	41	2,485	Mh	2,768	No	2,292	2,447	1,899	469	55	24	$10,246,619
2	Bread and other bakery products	21	158	24			2	132	Oc [3]	135	Ap	126	135	86	43	6		142,242
3	Confectionery	4	22	6				16	(4)	16	(4)	16	16	15	1			32,253
4	Copper, tin, and sheet-iron products	5	55	3	7	1	2	42	Oc	48	Je	36	40	39		1		74,011
5	Foundry and machine-shop products	7	202	7	6	10	2	177	Fe	200	Oc	149	176	176				273,235
6	Ice, manufactured	6	73	4	9	6	1	53	Au [3]	74	Fe	32	53	52	1			676,953
7	Lumber, planing-mill products, not including planing mills connected with sawmills.	8	127	12	3	5	2	105	Oc	114	Ap [3]	100	102	101	1			141,282
8	Mineral and soda waters	7	134	3	7	14		110	Jy	126	De [3]	98	106	106				452,902
9	Marble and stone work	4	28	4				24	(4)	24	(4)	24	24	24				19,550
10	Printing and publishing, book and job.	10	165	8	14	15	6	122	My [3]	131	De	105	107	78	25	4		283,501
11	Printing and publishing, newspapers and periodicals.	12	186	12	9	39	9	117					110	94	9	7		332,545
12	Printing and publishing	6	52	5	6	3	1	37	(4)	37	(4)	37	37	32	2	3		78,515
13	Printing and publishing, and job printing.	6	134	7	3	36	8	80	Ap [3]	86	De	73	73	62	7	4		254,030
14	Tobacco, cigars	6	125	6	1			118	Oc [3]	138	Au	94	138	20	115	3		55,930
15	All other industries *	39	1,695	27	51	131	17	1,469					1,440	1,108	274	34	24	7,762,215

* All other industries embrace:
Awnings, tents, and sails 1
Bags, other than paper 1
Bookbinding and blank-book making 1
Boxes, wooden packing 1
Brooms 2
Canning and preserving, oysters 1
Carriages and wagons 2
Cars and general shop construction and repairs by steam-railroad companies 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cleansing and polishing preparations 1

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1	ATHENS	48	1,480	50	61	52	9	1,308	Fe	1,421	No	1,226	1,315	807	356	76	76	$3,220,977
2	AUGUSTA	73	5,353	47	144	202	35	4,925	Mh	5,194	Au	4,653	4,937	3,607	1,178	82	70	13,958,684
3	BRUNSWICK	34	834	22	34	33	2	743	Fe	1,098	Je	458	1,364	1,026	335	3		830,854
4	COLUMBUS	71	5,083	49	109	100	23	4,802	Ja	5,019	No	4,449	4,719	3,316	1,131	127	145	10,560,715
5	MACON	70	4,491	29	174	209	32	4,047	Mh	4,516	Se	3,826	4,157	3,596	475	43	43	11,552,192
6	ROME	50	1,558	19	83	53	14	1,389	Fe	1,543	My	1,299	1,454	1,000	396	40	18	2,604,051
7	WAYCROSS	27	1,427	21	21	76	7	1,302	Au	1,387	No	1,222	1,244	1,226	15	2	1	538,270

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$102,624	$85,053	$357,985	$17,045	$36,097	$8,822	$428,723	$14,048	$1,434,939	$992,168	554	2	.....	.....	552	10	1
99,424	82,493	357,035	7,645	35,627	8,759	428,473	13,928	1,415,939	973,538	553	2	.....	.....	551	10	2
3,200	2,560	950	9,400	470	63	250	120	19,000	18,630	1	.....	.....	.....	1	.....	3
219,797	521,134	365,259	213,462	44,066	15,907	674,644	14,365	2,878,628	2,189,619	705	.....	.....	.....	705	.....	4
101,951	299,128	199,752	.....	29,396	8,408	412,586	8,949	1,479,841	1,058,306	559	.....	.....	.....	559	.....	5
59,585	105,853	165,507	125	5,145	5,924	235,036	5,416	825,999	585,547	146	.....	.....	.....	146	.....	6
58,261	116,153	.....	213,337	9,525	1,575	27,022	.....	572,788	545,766	.....	.....	.....	.....	.....	.....	7
1,200	925	14,862	.....	1,446	4,180	19,540	128	50,576	30,908	.....	.....	.....	.....	.....	.....	8
445,338	396,605	1,746,374	4,895	70,231	184,742	9,277,314	221,306	15,753,521	6,254,901	13,293	10,848	32	.....	2,413	3,447	9

House-furnishing goods, not elsewhere specified 2
Iron and steel, cast-iron pipe 1
Jewelry 1
Labels and tags 1
Liquors, malt 1
Models and patterns 1
Musical instruments, violins, and other stringed 1
Pencils, lead 1
Perfumery and cosmetics 1
Photo-engraving 2
Pickles, preserves, and sauces, preserves 2
Printing and publishing, music 1
Printing materials 1
Regalia and society badges and emblems 1
Roofing materials 1
Saddlery and harness 4
Sausage 2
Show cases 1
Soap 2
Stationery goods 3
Statuary and art goods 1
Steam packing 1
Stereotyping and electrotyping 2
Stoves and hot-air furnaces 2
Structural ironwork 1
Tobacco, smoking 1
Tools, not elsewhere specified 1
Toys and games 2
Trunks and valises 1
Type founding 1
Umbrellas and canes 1
Upholstering materials, excelsior 1
Wirework 2
Wood preserving 1
Woolen goods 1

$248,332	$276,757	$1,258,659	$7,940	$46,642	$114,912	$3,179,847	$220,331	$6,709,498	$3,309,320	6,939	4,651	12	.....	2,276	942	1
.....	720	62,965	.....	6,374	1,875	210,496	8,201	378,632	159,935	108	.....	.....	.....	108	.....	2
.....	.....	5,869	.....	480	328	32,232	560	58,489	25,607	6	.....	.....	.....	6	.....	3
15,360	3,945	34,583	.....	2,130	592	36,998	480	102,641	65,163	8	.....	.....	.....	8	.....	4
15,804	11,683	109,754	483	5,362	2,743	62,952	6,664	266,933	197,317	497	130	.....	.....	367	.....	5
24,758	5,436	39,920	.....	1,040	6,466	12,625	69,471	221,050	138,954	1,495	1,460	.....	.....	35	.....	6
3,192	5,380	45,575	.....	4,256	2,047	173,539	3,165	288,058	111,354	731	435	.....	.....	296	.....	7
20,700	16,660	60,530	150	3,645	45,180	179,886	20,886	501,562	300,790	538	325	.....	.....	213	.....	8
.....	.....	14,174	.....	855	287	6,321	182	25,122	18,619	5	.....	4	.....	1	.....	9
23,679	16,151	78,704	2,702	6,012	1,962	64,188	2,560	250,586	183,838	111	.....	.....	.....	111	.....	10
18,130	58,106	111,442	4,109	2,840	2,729	114,545	3,115	396,588	278,928	242	.....	.....	.....	242	.....	11
15,300	3,260	35,932	3,150	1,940	247	23,551	1,344	126,637	101,742	78	.....	.....	.....	78	.....	12
2,830	54,846	75,510	959	900	2,482	90,994	1,771	269,951	177,186	164	.....	.....	.....	164	.....	13
2,600	.....	40,020	.....	1,436	16,270	70,220	229	133,263	62,814	2	.....	.....	.....	2	.....	14
124,109	158,676	655,123	496	12,212	34,433	2,215,845	104,818	4,086,574	1,765,911	3,196	2,301	8	.....	887	942	15

Clothing, men's 2
Coffee and spice, roasting and grinding 1
Cooperage 1
Cordage and twine 1
Fertilizers 3
Food preparations 2
Gas, illuminating and heating 1
Ink, printing 2
Jute goods 1
Mattresses and spring beds 2
Oil, not elsewhere specified 1
Optical goods 1
Patent medicines and compounds 2
Photo-engraving, not done in printing establishments 2
Printing materials 1
Saddlery and harness 1
Stencils and brands 1
Tinware, not elsewhere specified 1
Wood, turned and carved 1

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

$99,857	$49,823	$458,942	$25,548	$14,436	$20,998	$1,859,802	$81,605	$3,023,492	$1,082,085	4,303	1,065	.....	400	2,838	36	1
298,967	222,361	1,983,370	2,160	36,977	166,398	8,293,781	238,420	12,138,224	3,606,023	16,549	5,529	48	9,127	1,845	512	2
41,618	16,870	239,463	1,004	5,220	14,242	344,968	18,574	840,833	477,291	2,592	2,247	311	.....	34	.....	3
213,706	122,282	1,835,488	14,521	26,538	88,816	6,170,406	197,496	10,619,358	4,251,456	16,922	2,495	51	7,925	6,451	4,010	4
362,920	230,581	1,801,365	4,229	34,752	151,755	13,655,799	369,581	18,867,439	4,842,059	15,853	8,599	30	.....	7,224	1,956	5
121,685	52,744	538,731	3,103	12,654	26,086	2,148,314	57,916	3,300,894	1,094,664	2,735	2,191	25	.....	519	19	6
30,017	79,796	843,428	3,401	6,041	5,806	1,012,197	28,623	2,085,886	1,045,066	3,339	3,255	15	.....	69	2,185	7

[3] Same number reported for one or more other months.

[4] Same number reported for entire year.

IDAHO.

By A. J. Matlack.

GENERAL STATISTICS.

General character of the state.—With a gross area of 83,888 square miles, of which 83,354 represent land surface, Idaho ranks twelfth in size among the states. Its inhabitants in 1900 numbered 161,772, and in 1910, 325,594; and its estimated population in 1914 was 395,407. In total population Idaho ranked forty-fourth among the states in 1910; and in density of population it ranked forty-third, with 3.9 inhabitants per square mile, the corresponding figure for 1900 being 1.9.

The urban population in 1910—that is, the population residing in cities and other incorporated places of 2,500 inhabitants or more—was 69,898, or 21.5 per cent of the total, as against 6.2 per cent in 1900. There were in the state in 1914 two cities each having an estimated population of more than 10,000—Boise and Pocatello. These cities, whose aggregate population in that year formed 10.3 per cent of the estimated population of Idaho, reported 11.4 per cent of the state's manufactured products.

The steam-railroad mileage in 1914, as reported by the Interstate Commerce Commission, was 2,749, and the electric-railway mileage in 1912 (the latest year for which figures are available) was 88.

The total value of all farm crops in 1909 was $34,357,851, the most important products being hay and forage, wheat, oats, and barley. The northern part of the state receives sufficient rainfall for the growing of most crops without irrigation, while in the southern part the precipitation is much less.

The mineral products of Idaho in 1914, according to the annual report of the United States Geological Survey, were valued at $24,913,223, of which lead represented $13,592,517. In the output of this mineral Idaho was exceeded only by Missouri in that year.

Importance and growth of manufactures.—Idaho's manufactured products in 1914 were valued at $28,453,797, and the average number of wage earners employed in its manufacturing industries was 8,919. In that year the state ranked forty-fourth in the former respect and forty-second in the latter, the same as in 1909.

Table 1 summarizes the more important data relative to all classes of manufactures combined, in the state of Idaho, for the censuses of 1914, 1909, 1904, and 1899, and gives percentages of increase from census to census.

Table 1

	Manufacturing industries.				Per cent of increase.[1]		
	1914	1909	1904	1899	1909–1914	1904–1909	1899–1904
Number of establishments	698	725	364	287	−3.7	99.2	26.8
Persons engaged	10,529	9,909	3,791	(2)	6.3	161.4	.....
Proprietors and firm members	664	831	371	(2)	−20.1	124.0	.....
Salaried employees	946	858	359	92	10.3	139.0	.....
Wage earners (average number)	8,919	8,220	3,061	1,552	8.5	168.5	97.2
Primary horsepower	50,326	42,804	16,987	5,649	17.6	152.0	209.7
Capital	$44,960,489	$32,476,749	$9,689,445	$2,130,112	38.4	235.2	354.9
Salaries and wages	8,730,809	6,481,702	2,428,702	884,464	34.7	165.8	175.7
Salaries	1,240,288	984,055	379,311	66,225	26.0	159.4	472.8
Wages	7,490,521	5,497,647	2,059,391	818,239	36.2	167.0	151.7
Paid for contract work	562,085	736,018	379,986	(2)	−23.6	93.7	.....
Rent and taxes (including internal revenue)	548,166	428,135	[3]138,419	(2)	28.0	.....	.....
Cost of materials	14,892,094	9,920,017	4,068,523	1,438,868	50.1	143.8	182.8
Value of products	28,453,797	22,399,860	8,768,743	3,001,442	27.0	155.5	192.2
Value added by manufacture (value of products less cost of materials)	13,561,703	12,479,843	4,700,220	1,562,574	8.7	165.5	200.8

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures can not be given.
[2] Figures are not available.
[3] Exclusive of internal revenue.

There was a decrease in the number of establishments and of proprietors and firm members during the period from 1909 to 1914. This decrease is due primarily to the number of small lumber mills that discontinued operation during that period. All the other items, except contract work, show considerable increases. In 1914 the state had 698 manufacturing establishments, which gave employment to an average of 10,529 persons during the year and paid out $8,730,809 in salaries and wages. The value added by manufacture was $13,561,703, which figure, as explained in the "Explanation of terms," best represents the net wealth created by manufacturing operations during the year.

It is interesting to note that the percentages of increase for Idaho for the period 1909–1914 are greater in all important respects than the corresponding ones for the United States as a whole. The per-

centages of increase reported for Idaho's wage earners, wages, and value of products for that period, were 8.5, 36.2, and 27, respectively; whereas the corresponding percentages for the United States as a whole were only 6.4, 19, and 17.3, respectively. To a large extent, the manufacturing industries of the state depend upon the products of its soil. Lumber and timber furnished the raw material for 46.8 per cent of the total value of products in 1914, while flour-mill and gristmill products contributed more than one-fifth of the remainder.

Table 2 shows the relative importance of the leading manufacturing industries in 1914, and gives percentages of increase for the three five-year periods from 1899 to 1914.

Table 2

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904
All industries	698	8,919	100.0	$28,453,797	100.0	$13,561,703	100.0	8.5	168.5	97.2	27.0	155.4	192.2	8.7	165.5	200.9
Lumber and timber products	159	6,019	67.5	13,328,743	46.8	7,226,376	53.3	15.5	259.7	96.6	24.7	240.2	232.5	−1.6	228.4	264.2
Flour-mill and gristmill products	71	188	2.1	3,395,942	11.9	668,910	4.9	50.4	.....	.....	36.9	56.6	115.8	47.0	60.1	66.0
Cars and general shop construction and repairs by steam-railroad companies	7	977	11.0	2,033,635	7.1	1,153,643	8.5	15.1	19.1	78.7	48.9	49.5	74.4	63.2	20.2	89.7
Butter, cheese, and condensed milk	28	88	1.0	1,395,719	4.9	231,214	1.7	−25.4	.....	.....	57.9	414.0	48.3	13.8	463.9	16.1
Printing and publishing	173	487	5.5	1,342,667	4.7	1,036,597	7.6	4.1	.....	.....	17.0	.....	.....	14.6	.....	.....
Slaughtering and meat packing	9	81	0.9	981,115	3.5	266,619	2.0	.....	.....	.....	84.4	234.6	.....	229.6	107.7	.....
Bread and other bakery products	65	104	1.2	546,752	1.9	264,208	1.9	.....	.....	.....	38.8	164.4	.....	48.3	196.7	.....
Liquors, malt	5	44	0.5	374,683	1.3	251,770	1.9	.....	.....	.....	−46.3	130.4	304.0	−45.7	102.6	308.9
All other industries	181	931	10.4	5,054,541	17.8	2,462,366	18.2	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 22; a minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures can not be given.

Separate statistics are presented for eight industries, or industry groups, for each of which manufactured products valued at more than $300,000 were reported for 1914. These industries include one with products exceeding $10,000,000, four with products between $1,000,000 and $5,000,000, and three with products valued at less than $1,000,000. Among the industries included under the head of "all other industries," are the following, which report products of considerable value: Agricultural implements; beet sugar; canning and preserving, fruits and vegetables; confectionery; foundry and machine-shop products; gas, illuminating and heating; manufactured ice; saddlery and harness; and tobacco manufactures.

The industries in this table are arranged in the order of their importance as shown by value of products, but the arrangement would vary considerably if based on average number of wage earners or value added by manufacture. Lumber and timber products is the only industry which ranks alike in all three respects. Flour-mill and gristmill products, second in value of products, was fourth in average number of wage earners and value added by manufacture, while cars and general shop construction and repairs by steam-railroad companies, third in value of products, ranked second in average number of wage earners and value added by manufacture. Butter, cheese, and condensed milk, fourth in value of products, was sixth in average number of wage earners and held the lowest rank in value added by manufacture. Printing and publishing, fifth in value of products, was third in average number of wage earners and value added by manufacture. Slaughtering and meat packing, sixth in value of products, ranked fifth in value added by manufacture and seventh in average number of wage earners. Bread and bakery products and malt liquors ranked seventh and eighth, respectively, in value of products, fifth and eighth in average number of wage earners, but sixth and seventh in value added by manufacture.

The three most important industries shown in the table, in respect to value of products, lumber and timber products, flour-mill and gristmill products, and cars and general shop construction and repairs by steam-railroad companies, retain the rank they held in 1909. Butter, cheese, and condensed milk, printing and publishing, and malt liquors ranking fourth, fifth, and eighth in 1914, were fifth, fourth, and sixth, respectively, in 1909.

Lumber and timber products.—This industry embraces the operations of logging camps, sawmills, and planing mills. An increase is shown in the five-year period 1909–1914 of 15.5 per cent in the average number of wage earners and of $2,640,000, or 24.7 per cent, in value of products. The percentage of increase in value of products during the ten years from 1904 to 1914 was 324.2.

Flour-mill and gristmill products.—This industry, which excludes custom mills grinding for toll or local consumption, shows marked increases in average number of wage earners, value of products, and value added by manufacture. During the five-year period 1909–1914 the increases for these items were 50.4 per cent, 36.9 per cent, and 47 per cent, respectively.

Cars and general shop construction and repairs by steam-railroad companies.—This industry represents the work done in the car shops of steam-railroad companies, excluding minor repairs in roundhouses. The operations are practically confined to repairs on rolling stock and equipment, although some new con-

struction of rolling stock may be included. The industry shows an increase of 48.9 per cent in value of products for the five-year period ending in 1914 and 122.5 per cent for the decade. In 1914 employment was given to an average of 977 wage earners, or 11 per cent of the total for the state, and the value of products, $2,033,635, represents 7.1 per cent of the corresponding total for all industries.

Butter, cheese, and condensed milk.—A marked increase for the period 1904–1909 is shown for this industry in average number of wage earners, value of products, and value added by manufacture. For the period 1909–1914 the value of products shows an increase of 57.9 per cent and value added by manufacture, 13.8 per cent, while the average number of wage earners decreased 25.4 per cent. This decrease is due in part to the increase in the use of machinery as shown by the amount of power reported. Table 22 shows an increase in primary horsepower from 260 in 1909 to 857 in 1914.

Printing and publishing.—A steady advance for each period from 1904 to 1914 is shown for this industry in number of establishments, average number of wage earners, value of products, and value added by manufacture. Figures for 1909 include bookbinding and blank-book making, but such establishments were excluded in 1914, in order to avoid disclosures, and the data for the two censuses are, therefore, not strictly comparable.

Slaughtering and meat packing.—The highest percentages of increase from 1909 to 1914 for the industries covered by this table are shown for slaughtering and meat packing. The increase in value of products for the period was 84.4 per cent and in value added by manufacture, 229.6 per cent.

Persons engaged in manufacturing industries.—Table 3 shows, for 1909 and 1914, the number of persons engaged in manufactures, distributed by sex, the average number of wage earners being distributed also by age. The sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms."

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Total.	Male.	Female.	Per cent of total. Male.	Female.
All classes	1914	10,529	10,220	309	97.1	2.9
	1909	9,909	9,646	263	97.3	2.7
Proprietors and officials	1914	1,026	1,002	24	97.7	2.3
	1909	1,187	1,163	24	98.0	2.0
Proprietors and firm members	1914	664	644	20	97.0	3.0
	1909	831	811	20	97.6	2.4
Salaried officers of corporations	1914	83	80	3	96.4	3.6
	1909	108	104	4	96.3	3.7
Superintendents and managers	1914	279	278	1	99.6	0.4
	1909	248	248	.....	100.0	.....
Clerks and other subordinate salaried employees.	1914	584	490	94	83.9	16.1
	1909	502	418	84	83.3	16.7
Wage earners (average number)	1914	8,919	8,728	191	97.9	2.1
	1909	8,220	8,065	155	98.1	1.9
16 years of age and over	1914	8,865	8,681	184	97.9	2.1
	1909	8,190	8,035	155	98.1	1.9
Under 16 years of age	1914	54	47	7	87.0	13.0
	1909	30	30	.....	100.0	.....

In 1914 the number of persons engaged in manufactures was 10,529, of whom 8,919, or 84.7 per cent, were wage earners, 1,026 were proprietors and officials, and 584 were clerks and other subordinate salaried employees. Of the wage earners, 16 years of age and over, 8,681, or 97.9 per cent, were males, and 184, or 2.1 per cent, were females. Figures for the sex and age distribution of wage earners for individual industries will be found in Table 23.

Table 4 gives, for the several classes of persons engaged in manufactures, the percentages of increase from 1909 to 1914, and the per cent distribution at the two censuses.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Per cent of increase,[1] 1909–1914. Total.	Male.	Female.	Per cent distribution. Total. 1914	Total. 1909	Male. 1914	Male. 1909	Female. 1914	Female. 1909
All classes	6.3	6.0	17.5	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	−13.6	−13.8	.....	9.7	12.0	9.8	12.1	7.8	9.1
Proprietors and firm members	−20.1	−20.6	.....	6.3	8.4	6.3	8.4	6.5	7.6
Salaried officers of corporations	−23.1	−23.1	.....	0.8	1.1	0.8	1.1	1.0	1.5
Superintendents and managers	12.5	12.1	.....	2.7	2.5	2.7	2.6	0.3	.....
Clerks and other subordinate salaried employees	16.3	17.2	.....	5.5	5.1	4.8	4.3	30.4	31.9
Wage earners (average number)	8.5	8.2	23.2	84.7	83.0	85.4	83.6	61.8	58.9
16 years of age and over	8.2	8.0	18.7	84.2	82.7	84.9	83.3	59.5	58.9
Under 16 years of age	.....	.....	.....	0.5	0.3	0.5	0.3	2.3	.....

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.

This table shows an increase during the five-year period 1909–1914 for each of the several classes of employees, with the exception of the number of proprietors and firm members and salaried officers of corporations, which decreased by 20.1 per cent and 23.1 per cent, respectively. The largest percentage of increase for both sexes combined, 16.3, is shown for clerks and other subordinate salaried employees.

Wage earners 16 years of age and over represented 84.2 per cent of the total number of persons engaged in manufacturing industries in the state in 1914, and 82.7 per cent in 1909.

In order to compare the distribution of persons engaged in manufactures in 1914 with that shown at the census of 1904 it is necessary to use the classification employed at the earlier census. (See "Explanation of terms.") Table 5 makes this comparison according to occupational status.

Table 5

INDUSTRY.	Census year.	WAGE EARNERS. Average number.[1]	Per cent of total. 16 years of age and over. Male.	Female.	Under 16 years of age.
All industries	1914	8,919	97.3	2.1	0.6
	1909	8,220	97.7	1.9	0.4
	1904	3,061	95.8	2.9	1.3
Bread and other bakery products	1914	104	81.7	16.3	1.9
	1909	83	79.5	20.5	.....
Butter, cheese, and condensed milk	1914	88	88.6	9.1	2.3
	1909	118	95.8	4.2	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	977	99.8	.....	0.2
	1909	849	100.0	.....	.....
Flour-mill and gristmill products	1914	188	98.9	1.1	.....
	1909	125	100.0	.....	.....
Liquors, malt	1914	44	97.7	2.3	.....
	1909	74	98.6	1.4	.....
Lumber and timber products	1914	6,019	99.8	0.1	(2)
	1909	5,212	99.6	0.3	0.1
Printing and publishing	1914	487	82.3	11.1	6.6
	1909	468	85.3	11.1	3.6
Slaughtering and meat packing	1914	81	100.0	.....	.....
	1909	39	97.4	2.6	.....
All other industries	1914	931	88.6	10.0	1.4
	1909	1,252	94.5	5.0	0.5

[1] For method of estimating the distribution by sex and age periods of the average number for all industries combined, see "Explanation of terms."
[2] Less than one-tenth of 1 per cent.

For all industries combined, the proportion of male wage earners 16 years of age and over was greater in 1909 than in 1904 or 1914, while the proportion of females and children under 16 years of age decreased materially between 1904 and 1909 but increased somewhat during the next five-year period.

Of the eight industries for which separate figures are given in this table, three show an increase from 1909 to 1914 in the proportion of males and three an increase in the proportion of females. Three industries, which did not report the employment of children in 1909 reported a small number in 1914, and only one, lumber and timber products, reported a decrease in the number of children employed.

Wage earners employed, by months.—The following table gives, for all industries combined, the total number of wage earners employed on the 15th of each month, or the nearest representative day, for 1914 and 1909, and the average number employed during each month in 1904.

Table 6

MONTH.	WAGE EARNERS IN MANUFACTURING INDUSTRIES. Number.[1] 1914	1909	1904	Per cent of maximum. 1914	1909	1904
January	6,915	6,145	2,344	65.3	64.5	61.2
February	6,414	6,033	2,161	60.6	63.3	56.5
March	7,577	7,270	2,295	71.6	76.3	60.0
April	8,738	8,279	2,733	82.6	86.9	71.4
May	9,853	8,664	3,214	93.1	91.0	84.0
June	10,583	8,929	3,493	100.0	93.7	91.2
July	10,368	8,939	3,647	98.0	93.8	95.3
August	10,069	8,696	3,421	95.1	91.3	89.4
September	10,091	8,690	3,681	95.4	91.2	96.2
October	9,831	9,525	3,828	92.9	100.0	100.0
November	8,783	8,971	3,374	83.0	94.2	88.1
December	7,806	8,507	2,541	73.8	89.3	66.4

[1] The figures for 1914 and 1909 represent the number employed on the 15th of each month, or the nearest representative day; those for 1904, the average number employed during the month.

For 1914 the summer months show the greatest activity in the combined industries of the state, the maximum number of wage earners being reported for June and the minimum for February.

The difference between the maximum and minimum number reported for 1914 was 4,169, or 39.4 per cent of the maximum. The year 1904 showed a corresponding percentage of 43.5; the year 1909, 36.7 per cent.

Table 7 gives the total average number of wage earners employed during 1914, together with the total number employed on the 15th of each month, or the nearest representative day, for the combined industries of the state, for a number of selected industries, and for the total industries of each of the two cities having more than 10,000 inhabitants.

Table 7.

WAGE EARNERS: 1914.
[The month of maximum employment for each industry is indicated by **boldface** figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	Number employed on 15th day of the month or nearest representative day. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Per cent minimum is of maximum.
All industries	8,919	6,915	*6,414*	7,577	8,738	9,853	**10,583**	10,368	10,069	10,091	9,831	8,783	7,806	60.6
Bread and other bakery products	104	*99*	*99*	*99*	*99*	100	104	**110**	109	109	106	107	107	90.0
Butter, cheese, and condensed milk	88	74	*72*	73	85	97	102	**107**	99	93	89	83	82	67.3
Cars and general shop construction and repairs by steam-railroad companies	977	842	826	876	784	*765*	823	973	1,055	1,162	1,228	1,156	**1,234**	62.0
Flour-mill and gristmill products	188	180	177	180	170	166	*159*	166	182	207	228	234	207	67.9
Lumber and timber products	6,019	4,590	*4,089*	5,122	6,224	7,316	**7,761**	7,468	6,978	6,790	6,018	5,326	4,546	52.7
Printing and publishing	487	479	488	481	481	*475*	476	477	490	498	**503**	496	502	91.0
Total for cities	1,130	983	983	1,038	933	*921*	978	1,148	1,212	1,318	**1,398**	1,276	1,376	65.9
BOISE	348	*321*	340	357	351	352	364	362	343	364	372	322	331	86.3
POCATELLO	782	662	643	681	582	*569*	614	786	869	954	1,026	954	**1,045**	54.4

Of the selected industries, lumber and timber shows the greatest degree of fluctuation, the number of wage earners in February being but 52.7 per cent of the number in June. The greatest stability of employment is shown for printing and publishing, for which industry the minimum number formed 94 per cent of the maximum.

Of the two cities, Boise shows the greater stability of employment, the percentage that the number reported for the minimum month (January) formed of the number reported for the maximum month (October) being 86.3, while for Pocatello the corresponding percentage was only 54.4, the number employed in December being nearly double that of May.

Prevailing hours of labor.—In Table 8 the average number of wage earners reported for 1914 and 1909 for all industries combined and for selected industries throughout the state have been classified according to number of hours of labor per week prevailing in the establishments in which they were employed. A similar classification is given, for 1914 only, for all industries combined in each city having more than 10,000 inhabitants. The number employed in each establishment is classified as a total, even though a few employees worked a greater or less number of hours.

Table 8

INDUSTRY AND CITY.	Census year.	AVERAGE NUMBER OF WAGE EARNERS.								
		Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
All industries	1914	8,919	586	53	1,328	265	6,223	409	30	25
	1909	8,220	637	70	1,195	79	5,419	355	63	402
Bread and other bakery products	1914	104	12	.....	31	2	50	4	3	2
	1909	83	11	.....	12	.....	51	5	4	.....
Butter, cheese, and condensed milk	1914	88	2	.....	10	1	46	21	8	.....
	1909	118	4	.....	1	.....	8	100	.....	5
Cars and general shop construction and repairs by steam-railroad companies	1914	977	.....	.....	735	206	36	.....	.....	.....
	1909	849	.....	.....	718	.....	2	129	.....	.....
Flour-mill and gristmill products	1914	188	.....	.....	11	1	107	65	2	2
	1909	125	6	.....	.....	2	73	26	18	.....
Lumber and timber products	1914	6,019	35	5	79	10	5,780	110	.....	.....
	1909	5,212	31	26	111	.....	4,965	69	10	.....
Printing and publishing	1914	487	351	32	68	22	14	.....	.....	.....
	1909	468	309	38	102	.....	16	3	.....	.....
All other industries	1914	1,056	186	16	394	23	190	209	17	21
	1909	1,365	276	6	251	77	304	23	31	397
Total for cities	1914	1,130	208	.....	823	10	29	35	7	18
BOISE	1914	348	190	.....	86	10	20	35	7	.....
POCATELLO	1914	782	18	.....	737	.....	9	.....	.....	18

The figures in this table show the tendency toward a shortening of the working day of wage earners in the state as a whole and for the selected industries, noticeably in the class working more than 60 hours per week.

In 1909, 820, or about 10 per cent of the total average number of wage earners for all industries combined, were employed in establishments where the prevailing hours of labor were more than 60 per week, whereas 464, or about 5 per cent, were so employed in 1914. On the other hand, the number of wage earners whose working hours were 60 per week increased from 5,419, or 65.9 per cent of the total for the state, in 1909, to 6,223, or 69.8 per cent of the total, in 1914. During the five-year period there was an increase in the two classes, 54 hours and 54 to 60 hours per week, while the number of wage earners working under 48 hours per week decreased.

In 1914 in printing and publishing 72.1 per cent of the employees were reported by establishments with prevailing hours 48 and under; in cars and general shop construction and repairs by steam-railroad companies over three-fourths were reported by establishments where the prevailing hours of employment were 54 per week. In lumber and timber mills 96 per cent and in flour-mills and gristmills 56.9 per cent were reported by establishments in which the prevailing hours of labor were 60 per week.

In the city of Pocatello 737, or 94.2 per cent, of its wage earners were employed in establishments in which the prevailing hours of labor were 54 per week; in Boise, 190, or 54.6 per cent, were in establishments in which the hours were 48 and under.

Location of establishments.—Table 9 shows, for 1914, 1909, and 1899, the extent to which the manufactures in Idaho were centralized in the two cities having more than 10,000 inhabitants.

In accepting the statistics in this table it must be remembered that Pocatello, which had a population of 10,000 and over at the census of 1914, was included in the districts outside of the cities at prior censuses.

Table 9	Census year.	Aggregate.	Cities having a population of 10,000 or over. Total. Number or amount.	Total. Per cent of aggregate.	10,000 to 25,000. Number or amount.	10,000 to 25,000. Per cent of aggregate.	25,000 to 100,000. Number or amount.	25,000 to 100,000. Per cent of aggregate.	Districts outside of cities having a population of 10,000 or over. Number or amount.	Districts outside of cities having a population of 10,000 or over. Per cent of aggregate.
Number of places	1914	.....	2	.....	1	.....	1	.....	.....	.....
	1910	.....	1	.....	1	.....	.....	.....	.....	.....
	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....
Population[1]	1914	395,407	40,904	10.3	11,267	2.8	29,637	7.5	354,503	89.7
	1910	325,594	17,358	5.3	17,358	5.3	.....	.....	308,236	94.7
	1900	161,772	.....	.....	.....	.....	.....	.....	161,772	100.0
Number of establishments	1914	698	76	10.9	19	2.7	57	8.2	622	89.1
	1909	725	50	6.9	50	6.9	.....	.....	675	93.1
	1899	287	.....	.....	.....	.....	.....	.....	287	100.0
Average number of wage earners	1914	8,919	1,130	12.7	782	8.8	348	3.9	7,789	87.3
	1909	8,220	411	5.0	411	5.0	.....	.....	7,809	95.6
	1899	1,552	.....	.....	.....	.....	.....	.....	1,552	100.0
Value of products	1914	$28,453,797	$3,253,494	11.4	$1,876,167	6.6	$1,377,327	4.8	$25,200,303	88.6
	1909	22,399,860	1,660,497	7.4	1,660,497	7.4	.....	.....	20,739,363	92.6
	1899	3,001,442	.....	.....	.....	.....	.....	.....	3,001,442	100.0
Value added by manufacture	1914	13,561,703	1,791,024	13.2	1,012,486	7.5	778,538	5.7	11,770,679	86.8
	1909	12,479,843	765,909	6.1	765,909	6.1	.....	.....	11,713,934	93.9
	1899	1,562,574	.....	.....	.....	.....	.....	.....	1,562,574	100.0

[1] Census estimate of population for 1914.

The table shows that for 1914 the two cities, which represented 10.3 per cent of the estimated population of the state, reported 13.2 per cent of the total value added by manufacture, 12.7 per cent of the total average number of wage earners, 11.4 per cent of the total value of products, and 10.9 per cent of the total number of establishments.

Character of ownership.—Table 10 presents statistics concerning the character of ownership, or legal organization, of manufacturing enterprises. For all industries combined, comparative figures are given for 1914, 1909, and 1904; for selected industries, statistics for 1914 and 1909 are shown; for individual cities, the figures are for all industries combined and relate only to 1914.

In order to avoid disclosing the operations of individual establishments, it is necessary to omit several important industries from this table.

Table 10 — Industry and city.	Census year.	Number of establishments owned by— Individuals.	Corporations.	All others.	Average number of wage earners. Total.	In establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.	Value of products. Total.	Of establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.
All industries	1914	373	187	138	8,919	720	7,238	961	8.1	81.2	10.8	$28,453,797	$2,741,997	$22,699,885	$3,011,915	9.6	79.8	10.6
	1909	350	200	175	8,220	1,237	6,401	582	15.0	77.9	7.1	22,399,860	3,567,130	16,982,034	1,850,696	15.9	75.8	8.3
	1904	170	105	89	3,061	487	2,130	444	15.9	69.6	14.5	8,768,743	1,393,488	6,136,137	1,239,118	15.9	70.0	14.1
Cars and general shop construction and repairs by steam-railroad companies.	1914	.....	7	.....	977	.....	977	.....	.....	100.0	.....	2,033,635	.....	2,033,635	.....	.....	100.0	.....
	1909	.....	5	.....	849	.....	849	.....	.....	100.0	.....	1,366,408	.....	1,366,408	.....	.....	100.0	.....
Flour-mill and gristmill products.	1914	19	39	13	188	27	146	15	14.4	77.7	8.0	3,395,942	438,224	2,608,353	349,365	12.9	76.8	10.3
	1909	18	24	15	125	32	75	18	25.6	60.0	14.4	2,479,719	483,402	1,661,809	334,508	19.5	67.0	13.5
Lumber and timber products.	1914	74	41	44	6,019	240	4,996	783	4.0	83.0	13.0	13,328,743	455,814	11,012,573	1,860,356	3.4	82.6	14.0
	1909	113	71	72	5,212	705	4,198	309	13.5	80.5	5.9	10,689,310	1,314,217	8,848,878	526,215	12.3	82.8	4.9
Printing and publishing	1914	112	30	31	487	179	246	62	36.8	50.5	12.7	1,342,667	493,862	694,683	154,122	36.8	51.7	11.5
	1909	67	33	32	468	134	250	84	28.6	53.4	17.9	1,148,033	328,580	612,560	206,893	28.6	53.4	18.0
Total for cities	1914	43	24	9	1,130	109	999	22	9.6	88.4	1.9	3,253,494	374,312	2,721,828	157,354	11.5	83.7	4.8
Boise	1914	30	18	9	348	93	233	22	26.7	67.0	6.3	1,377,327	288,519	931,454	157,354	20.9	67.6	11.4
Pocatello	1914	13	6	.....	782	16	766	.....	2.0	98.0	.....	1,876,167	85,793	1,790,374	.....	4.6	95.4	.....

This table shows, for all industries combined, an increase for each five-year period in the number of establishments under individual ownership and increases from 1904 to 1909 but decreases from 1909 to 1914 for those under other forms of ownership. The greatest proportion of the establishments—over one-half of the total in 1914—is shown for those under individual ownership; but in value of products and average number of wage earners, corporations largely predominate over all other classes of ownership. In 1914, although only 26.8 per cent of the total number of establishments in the state were under corporate ownership, this class reported 79.8 per cent of the total value of products and 81.2 per cent of the total average number of wage earners. In 1909 and 1904 the corresponding proportions were slightly greater in number of establishments and slightly less in each of the other two items. For both 1914 and 1909 cars

and general shop construction and repairs by steam-railroad companies were operated by corporations exclusively, and the largest proportion of the total value of products for each of the three remaining industries, for which separate statistics are given, is shown for establishments under this class of ownership.

In 1914 the two cities show the majority of establishments under individual ownership, but the largest proportion of wage earners and the total value of products is reported by corporations.

Size of establishments.—The tendency for manufacturing to become concentrated in large establishments, or the reverse, is indicated by the statistics given in Table 11.

For 1914, 54 establishments, or 7.7 per cent of the total number in the state, each reported products exceeding $100,000 in value, as compared with 36, or 5 per cent, in 1909, and 15, or 4.1 per cent, in 1904. For 1914 these establishments reported an average of 6,859 wage earners, or 77 per cent of the total for the state, 74.5 per cent of the total value of products, and 72.6 per cent of the total value added by manufacture. The small establishments—those having products less than $5,000 in value—although representing 42.8 per cent of the total number of establishments, reported only 2.7 per cent of the total value of products and 3.9 per cent of the value added by manufacture. For the establishments having products valued at $100,000 and over, the proportion of the total shows an increase at each successive census from 41.8 per cent in 1904 to 58.1 per cent in 1909, and to 74.5 per cent in 1914.

Table 11

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
All classes	698	725	364	8,919	8,220	3,061	$28,453,797	$22,399,860	$8,768,743	$13,561,703	$12,479,843	$4,700,220
Less than $5,000	299	279	146	276	354	182	777,615	743,265	365,075	526,846	523,258	252,544
$5,000 to $20,000	252	281	129	828	1,184	546	2,426,365	2,854,751	1,264,213	1,437,559	1,756,615	739,508
$20,000 to $100,000	93	129	74	956	1,751	1,043	4,061,116	5,785,475	3,470,002	1,757,604	2,771,134	1,766,756
$100,000 to $1,000,000	51	34	15	4,143	[1] 4,931	1,290	15,282,784	[1] 13,016,369	3,669,453	6,601,525	[1] 7,428,836	1,941,412
$1,000,000 and over	3	2	.....	2,716	.....	.....	5,905,917	.....	.....	3,238,169	.....	.....
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	42.8	38.5	40.1	3.1	4.3	5.9	2.7	3.3	4.2	3.9	4.2	5.4
$5,000 to $20,000	36.1	38.8	35.4	9.3	14.4	17.8	8.5	12.7	14.4	10.6	14.1	15.7
$20,000 to $100,000	13.3	17.8	20.3	10.7	21.3	34.1	14.3	25.8	39.6	13.0	22.2	37.6
$100,000 to $1,000,000	7.3	4.7	4.1	46.5	60.0	42.1	53.7	58.1	41.8	48.7	59.5	41.3
$1,000,000 and over	0.4	0.3	.....	30.5	.....	.....	20.8	.....	.....	23.9	.....	.....

[1] Includes the group "$1,000,000 and over."

Table 12 gives, for 1914 and 1909, for three of the more important industries, a classification of establishments, wage earners, value of products, and value added by manufacture, similar to that presented in Table 11 for all industries combined.

Table 12

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.	
			1914	1909			1914	1909			1914	1909			1914	1909
FLOUR-MILL AND GRISTMILL PRODUCTS	71	57	100.0	100.0	188	125	100.0	100.0	$3,395,942	$2,479,719	100.0	100.0	$668,910	$455,121	100.0	100.0
Less than $5,000	13	5	18.3	8.8	8	1	4.3	0.8	34,933	20,714	1.0	0.8	10,380	4,687	1.6	1.0
$5,000 to $20,000	22	19	31.0	33.3	16	27	8.5	21.6	235,006	255,655	6.9	10.3	60,625	63,097	9.1	13.9
$20,000 to $100,000	26	28	36.6	49.1	65	72	34.6	57.6	1,106,594	1,484,886	32.6	59.9	254,636	283,255	38.1	62.2
$100,000 and over	10	5	14.1	8.8	99	25	52.7	20.0	2,019,409	718,464	59.5	29.0	343,269	104,082	51.3	22.9
LUMBER AND TIMBER PRODUCTS	159	256	100.0	100.0	6,019	5,212	100.0	100.0	13,328,743	10,689,310	100.0	100.0	7,226,376	7,344,532	100.0	100.0
Less than $5,000	74	106	46.5	41.4	98	188	1.6	3.6	180,374	277,081	1.4	2.6	134,272	214,799	1.9	2.9
$5,000 to $20,000	45	87	28.3	34.0	287	509	4.8	9.8	459,055	838,551	3.4	7.8	352,081	588,597	4.9	8.0
$20,000 to $100,000	18	46	11.3	18.0	430	1,026	7.1	19.7	840,304	2,051,227	6.3	19.2	561,032	1,378,125	7.8	18.8
$100,000 and over[1]	22	17	13.8	6.6	5,204	3,489	86.5	66.9	11,849,010	7,522,151	88.9	70.4	6,178,991	5,163,011	85.5	70.3
PRINTING AND PUBLISHING	173	132	100.0	100.0	487	468	100.0	100.0	1,342,667	1,148,033	100.0	100.0	1,036,597	905,129	100.0	100.0
Less than $5,000	102	73	59.0	55.3	99	79	20.3	16.9	261,273	199,412	19.5	17.4	212,633	154,282	20.5	17.0
$5,000 to $20,000	63	50	36.4	37.9	199	217	40.9	46.4	532,259	499,726	39.6	43.5	426,466	394,280	41.1	43.6
$20,000 and over[2]	8	9	4.6	6.8	189	172	38.8	36.8	549,135	448,895	40.9	39.1	397,498	356,567	38.3	39.4

[1] Includes the group "$1,000,000 and over."

[2] Includes the group "$100,000 to $1,000,000."

The industries selected for presentation in this table reflect the same tendency toward concentration into large establishments as that shown in the table for all industries combined. Lumber and timber mills reported 88.9 per cent of the total value of products manufactured by establishments whose products ex-

ceeded $100,000, and the output of such establishments represented 59.5 per cent of the total value of products of flour-mills and gristmills. These establishments reported greater proportions of the average number of wage earners, value of products, and value added by manufacture for 1914 than for 1909.

Table 13 presents, for 1914, for all industries combined in each of the two cities having more than 10,000 inhabitants, statistics similar to those given in Table 11 for the state as a whole.

In Pocatello the same tendency toward concentration prevails. The group $20,000 and over represents 97.3 per cent of the total average number of wage earners, 95.1 per cent of the value of products, and 95.3 per cent of the value added by manufacture, but only 26.3 per cent in number of establishments.

In Boise the group under $20,000 represented 71.9 per cent of the number of establishments; while the group "$20,000 and over," with 28.1 per cent of the number of establishments, represented 74.7 per cent of the average number of wage earners, 80.3 per cent of the value of products, and 79.5 per cent of the value added by manufacture.

Table 13

City and value of product.	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
Boise	57	348	100.0	$1,377,327	100.0	$778,538	100.0
Less than $5,000	18	14	4.0	45,598	3.3	27,859	3.6
$5,000 to $20,000	23	74	21.3	225,990	16.4	131,466	16.9
$20,000 to $100,000	12	149	42.8	591,039	42.9	313,807	40.3
$100,000 and over	4	111	31.9	514,700	37.4	305,406	39.2
Pocatello	19	782	100.0	1,876,167	100.0	1,012,486	100.0
Less than $5,000	7	4	0.5	25,389	1.4	12,903	1.3
$5,000 to $20,000	7	17	2.2	67,204	3.6	35,058	3.5
$20,000 and over	5	761	97.3	1,783,574	95.1	964,525	95.3

Table 14 shows the size of establishments in 1914, as measured by the average number of wage earners employed, for all industries combined, for six of the more important industries, and for the two cities having more than 10,000 inhabitants.

Table 14

Industry and city.	Total.		Establishments employing—																		
			No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.		51 to 100 wage earners.		101 to 250 wage earners.		251 to 500 wage earners.		501 to 1,000 wage earners.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	698	8,919	108	460	926	85	936	19	612	9	643	10	1,493	3	890	3	1,074	1	1,445
Bread and other bakery products	65	104	15	48	92	2	12												
Butter, cheese, and condensed milk	28	88	3	22	52	3	36												
Cars and general shop construction and repairs by steam-railroad companies	7	977		2	9	1	7	1	25	1	72	1	134			1	730		
Flour-mill and gristmill products	71	188	6	59	106	6	82												
Lumber and timber products	159	6,019	8	91	192	31	319	10	318	4	252	9	1,359	3	890	2	1,244	1	1,445
Printing and publishing	173	487	34	125	252	10	95	4	140										
All other industries	195	1,056	42	113	223	32	385	4	129	4	319								
Total for cities	76	1,130	11	45	167	16	165	3	68							1	730		
Boise	57	348	6	34	138	14	142	3	68										
Pocatello	19	782	5	11	29	2	23									1	730		

Table 15 presents, for 1914, percentages based on the figures in Table 14 and, for 1909, similar percentages for all industries combined and for individual industries in the state as a whole.

Considering the total for all industries, there were 108 establishments in operation during 1914 in which no wage earners were employed. These are small establishments in which the work is done by the proprietors or firm members. In some cases they employ a few wage earners for short periods, but the number is so small and the period so short that in computing the average number, as described in "Explanation of terms," no wage earners could be shown for the establishment.

Of the 698 establishments reported for all industries, 545, or 78.1 per cent, employed on the average less than 20 wage earners during the year. On the other hand, while these small establishments predominate in number, they gave employment to only 1,862 wage earners, or 20.9 per cent of the total for all establishments. There were only 17 establishments in the state that reported the employment of more than 100 wage earners each, but these establishments gave employment to 5,802, or 65.1 per cent of the total average number of wage earners reported for all establishments. These large establishments are shown only for the manufacture of lumber and for railroad repair shops.

In Boise 80.5 per cent of the wage earners were in establishments employing less than 20 wage earners each, while in Pocatello 93.4 per cent were in the one establishment (railroad repair shop) employing over 500 wage earners.

Table 15

INDUSTRY AND CITY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.							
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1000
All industries	1914	10.4	10.5	6.9	7.2	16.7	10.0	22.1	16.2
	1909	13.4	15.9	11.3	10.4	8.0	11.6	29.4	.....
Bread and other bakery products.	1914	88.5	11.5	.....	.....	.....	.....	.....	.....
	1909	80.7	19.3	.....	.....	.....	.....	.....	.....
Butter, cheese, and condensed milk.	1914	59.1	40.9	.....	.....	.....	.....	.....	.....
	1909	24.6	7.6	.....	67.8	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	0.9	0.7	2.6	7.4	13.7	.....	74.7	.....
	1909	0.6	.....	.....	14.8	.....	.....	84.6	.....
Flour-mill and gristmill products.	1914	56.4	43.6	.....	.....	.....	.....	.....	.....
	1909	89.6	10.4	.....	.....	.....	.....	.....	.....
Lumber and timber products	1914	3.2	5.3	5.3	4.2	22.6	14.8	20.7	24.0
	1909	7.6	12.2	12.8	9.5	7.0	18.3	32.6	.....
Printing and publishing	1914	51.7	19.5	28.7	.....	.....	.....	.....	.....
	1909	45.9	29.5	12.2	12.4	.....	.....	.....	.....
All other industries	1914	21.1	36.5	12.2	30.2	.....	.....	.....	.....
	1909	20.2	36.0	15.2	7.0	21.6	.....	.....	.....
Total for cities	1914	14.8	14.6	6.0	.....	.....	.....	64.6	.....
BOISE	1914	39.7	40.8	19.5	.....	.....	.....	.....	.....
POCATELLO	1914	3.7	2.9	.....	.....	.....	.....	93.4	.....

Engines and power.—Table 16 shows, for 1914, 1909, and 1904, for all industries combined, the number and total horsepower of engines or motors employed in generating power (including electric motors operated by purchased current). The table also shows separately the number and horsepower of electric motors operated by current generated by the establishments reporting.

Table 16

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total	1,314	937	268	50,326	42,804	16,987	100.0	100.0	100.0
Owned	440	540	268	40,369	38,178	16,350	80.2	89.2	96.3
Steam engines and turbines	353	437	212	38,264	35,529	15,145	76.0	83.0	89.2
Internal-combustion engines	55	53	27	431	242	127	0.9	0.6	0.7
Water wheels, turbines, and motors	32	50	29	1,674	2,407	1,078	3.3	5.6	6.3
Rented	874	397	(1)	9,957	4,626	637	19.8	10.8	3.7
Electric	874	397	(1)	9,928	4,606	537	19.7	10.8	3.2
Other	.....	.....	.....	29	20	100	0.1	(2)	0.6
Electric	1,069	608	71	16,120	8,409	1,702	100.0	100.0	100.0
Rented	874	397	(1)	9,928	4,606	537	61.6	54.8	31.6
Generated by establishments reporting	195	211	71	6,192	3,803	1,165	38.4	45.2	68.4

[1] Not reported.

[2] Less than one-tenth of 1 per cent.

This table shows an increase in primary power amounting to 7,522, or 17.6 per cent, from 1909 to 1914, more than half of which was due to the increase in rented power. The use of rented power, now almost wholly electric, has greatly increased since 1904, when it represented only 3.7 per cent of the total primary power reported. The increase in the use of electric motors run by current generated within the same establishments, although considerable, has not kept pace with that in rented power. The power of motors operated by current generated in the same establishments represented 68.4 per cent of the total electric power in 1904, but only 38.4 per cent in 1914.

In spite of the general increase in rented power, owned power increased 146.9 per cent during the decade 1904–1914 but only 5.7 per cent during the last five-year period. This was due in part to the fact that some of the large factories have installed electricity as emergency power, while others are using electric power and hold their steam engines in readiness for emergency.

Fuel.—Closely related to the subject of power employed in manufactures is that of the fuel consumed in generating this power or otherwise used in the manufacturing processes.

Table 17 gives, for 1914, the quantity of each kind of fuel used, for which data were obtained, for all industries combined and for selected industries in the state as a whole, and for all industries combined in each of the two cities.

Table 17

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).			
All industries	175	88,222	2,482	2,273	2,256
Bread and other bakery products	80	1,141	176	14	197
Brick	35	1,149	.....	.....	.....
Butter, cheese, and condensed milk	.....	2,903	.....	4	.....
Cars and general shop construction and repairs by steam-railroad companies	.....	23,084	3	.....	.....
Flour-mill and gristmill products	.....	635	.....	104	.....
Gas, illuminating and heating	.....	7,558	212	1,846	.....
Liquors, malt	.....	1,825	.....	.....	.....
Lumber and timber products	.....	799	.....	107	.....
Printing and publishing	28	762	40	129	1,719
Slaughtering and meat packing	.....	702	.....	.....	.....
All other industries	32	47,964	2,051	69	340
Total for cities	30	26,480	216	1,849	1,282
BOISE	30	4,981	146	1	1,096
POCATELLO	.....	21,499	70	1,848	186

SPECIAL STATISTICS.

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantities and cost of materials, the quantities and values of products, and other information for securing which no provision is made on the general schedule. Certain data of this character for three important industries in Idaho are here presented, and also statistics for power laundries.

Butter, cheese, and condensed milk.—The quantity and value of products for 1914, 1909, and 1904 are given in Table 18.

Table 18	1914	1909	1904
Total value	$1,395,719	$884,066	$171,844
Butter:			
Pounds	2,813,761	2,357,386	671,783
Value	$812,023	$750,820	$155,566
Packed solid—			
Pounds	666,643	434,063	36,222
Value	$181,128	$123,352	$7,569
Prints or rolls—			
Pounds	2,147,118	1,923,323	635,561
Value	$630,895	$627,468	$147,997
Cheese:			
Pounds	750,810	.....	.....
Value	$107,732	(1)	(1)
Cream sold:			
Pounds	858,541	417,800	14,904
Value	$78,972	$49,934	$1,804
All other products, value	$396,992	$83,312	$14,474

[1] Included in "all other products" to avoid disclosure of individual operations.

The total value of products for 1914 shows an increase over that of 1904 of $1,223,875, a gain of 712.2 per cent. Butter, which formed 58.2 per cent of the total value of products in 1914 and 90.5 per cent in 1904, increased 422 per cent in value during the decade. The quantity manufactured increased from 671,783 pounds in 1904 to 2,813,761 pounds in 1914, or 318.8 per cent. The value of butter, $812,023, as shown in this table, differs from that shown in Table 23, because other products of the butter factories, to the value of $185,436, are included in the value of products of the industry in the latter tables.

Butter packed solid shows an increase of 630,421 pounds during the decade, and that put up in prints or rolls an increase of 1,511,557. In the manufacture of cheese there was an increase, but comparative figures can not be shown without disclosure of individual operations. A considerable amount of condensed milk was reported for the census of 1914, but neither the quantity nor the value can be shown separately, as to do so would disclose the operations of individual establishments; the value of this product is, therefore, included with "all other products" in the table.

Flour-mill and gristmill products.—Table 19 gives the quantities and values of flour-mill and gristmill products for the last three census years.

Wheat flour is the most important product of this industry in Idaho, and shows substantial gains during the two census periods in quantity and value. In 1914 the value of wheat flour and bran and middlings together constituted 81.6 per cent of the total value of products, the proportion for wheat flour alone being 66.6 per cent. The production increased, during the period 1909–1914, 48.2 per cent in quantity and 24.3 per cent in value. Feed and offal constitute the next most important product, representing 17.2 per cent of the total value of products in 1914.

Table 19	1914	1909	1904
Total value	$3,395,942	$2,479,719	$1,584,473
Wheat flour:			
Barrels	571,965	386,022	309,476
Value	$2,261,403	$1,819,581	$1,225,672
Barley meal:			
Pounds	754,416	40,000	.....
Value	$8,450	$600	.....
Corn meal and corn flour:			
Barrels	5,048	180	800
Value	$18,809	$1,016	$2,400
Hominy and grits:			
Pounds	127,735	213,340	.....
Value	$3,390	$5,924	.....
Bran and middlings:			
Tons	25,789		
Value	$509,407		
Feed and offal:		27,673	20,736
Tons	21,879	$644,133	$355,124
Value	$585,001		
All other products, value	$9,482	$8,465	$1,277

Barley meal and corn meal and corn flour showed remarkable gains during the later five-year period, but they constituted a very small proportion of the value of products.

The equipment reported for 1914 consisted of 280 stands of rolls, two runs of stone, and 41 attrition mills. Two establishments manufactured sacks, to be used as containers.

Printing and publishing.—Table 20 gives the number of publications and the aggregate circulation per issue for all newspapers and periodicals published in Idaho during 1914, 1909, and 1904.

Table 20 — Period of issue.	Number of publications.			Aggregate circulation per issue.		
	1914	1909	1904	1914	1909	1904
Total	167	130	95	202,721	140,781	86,965
Daily	12	13	6	41,474	28,598	13,675
Sunday	8	3	3	34,566	13,864	7,675
Semiweekly	[1] 8	[1] 6	[1] 10	9,730	7,185	11,850
Weekly	134	108	[2] 76	102,226	91,134	53,765
All other classes	5	.....	.....	14,725	.....	.....

[1] Includes one triweekly publication.
[2] Includes one monthly and one semimonthly publication.

From 1909 to 1914 there was an increase in the total number of publications and aggregate circulation. This period shows an increase in each class of publications, except the dailies, the Sunday issues more than doubling, and the weeklies increasing nearly 25 per cent, while the increase in total number of publications was 28.5 per cent.

A large increase is shown in the aggregate circulation, 61.9 per cent, from 1904 to 1909, and 44 per cent from 1909 to 1914. For the period 1909 to 1914 a large increase is shown in the circulation of the follow-

ing publications: Sunday papers, 149.3 per cent, dailies 45 per cent, and semiweeklies (which included one triweekly publication at each census) 35.4 per cent.

Of the daily publications, six were morning newspapers, with a circulation of 23,531. "All other classes" comprised five monthly publications in 1914, but only one monthly and one semimonthly in 1904. All publications were printed in English.

Laundries.—Statistics for power laundries are not included in the general tables or in the total for manufacturing industries. Table 21, however, summarizes these statistics for Idaho for 1914 and 1909.

The table shows increases for all items given, those in receipts for work done and in average number of wage earners amounting to 50.4 per cent and 23.8 per cent, respectively. Establishments owned by individuals reported 51.3 per cent of the amount received for work done; those owned by corporations, 31.3 per cent; and those under other forms of ownership, 17.4 per cent.

Table 21	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	
Number of establishments	36	24	.....
Persons engaged	510	410	24.4
Proprietors and firm members	42	31	.....
Salaried employees	26	22	.....
Wage earners (average number)	442	357	23.8
Primary horsepower	1,033	489	111.2
Capital	$486,600	$252,110	93.0
Salaries and wages	274,938	201,836	36.2
Salaries	28,844	22,621	27.5
Wages	246,094	179,215	37.3
Paid for contract work	3,400	1,200	183.3
Rent and taxes (including internal revenue)	12,734	7,160	77.8
Cost of materials	140,586	94,879	48.2
Amount received for work done	592,749	394,226	50.4

[1] Percentages are omitted where base is less than 100.

GENERAL TABLES.

Table 22 gives, for 1914, 1909, and 1904, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products, for selected industries in the state; and for Boise, similar data for all industries combined for 1914 and 1909.

Table 23 presents, for 1914, statistics in detail for each industry in the state that can be shown without the disclosure of operations of individual establishments, and the statistics for all industries combined for each of the cities in the state having more than 10,000 inhabitants.

TABLE 22.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1914	698	8,919	50,326	$7,491	$14,892	$28,454
	1909	725	8,220	42,804	5,498	9,920	22,490
	1904	364	3,061	16,987	2,059	4,069	8,769
Bread and other bakery products.	1914	65	104	90	79	283	547
	1909	47	83	35	57	216	294
	1904	19	33	.....	28	89	149
Brick	1914	10	73	763	44	22	95
	1909	36	286	1,050	179	109	444
	1904	19	72	147	45	27	113
Butter, cheese, and condensed milk.	1914	28	88	857	76	1,165	1,396
	1909	18	118	260	77	681	884
	1904	16	13	120	10	136	172
Cars and general shop construction and repairs by steam-railroad companies.	1914	7	977	3,901	988	880	2,034
	1909	5	849	755	672	659	1,366
	1904	8	713	965	539	326	914
Confectionery	1914	8	48	32	20	93	177
	1909	6	24	6	12	56	103
Flour-mill and gristmill products.	1914	71	188	3,914	155	2,727	3,396
	1909	57	125	3,595	91	2,025	2,480
	1904	28	84	1,963	67	1,315	1,584
Foundry and machine-shop products.	1914	10	78	221	71	65	234
	1909	14	74	203	71	89	228
	1904	6	58	145	44	39	115
Gas, illuminating and heating.	1914	4	44	224	32	52	171
	1909	3	35	27	27	52	113
Ice, manufactured	1914	10	42	822	38	23	112
	1909	4	19	355	14	12	65
Liquors, malt	1914	5	44	398	$52	$123	$375
	1909	11	74	986	65	234	698
	1904	14	61	319	54	74	393
Lumber and timber products.	1914	[1] 159	6,019	34,936	4,911	6,102	13,329
	1909	256	5,212	32,342	3,382	3,345	10,689
	1904	107	1,449	10,013	876	906	3,142
Marble and stone work	1914	6	30	120	39	29	91
	1909	9	49	159	40	54	123
Mineral and soda waters	1914	20	22	42	12	33	81
	1909	12	14	22	12	19	71
	1904	6	11	11	6	10	30
Printing and publishing	1914	173	487	539	371	306	1,343
	1909	[2] 132	468	388	373	243	1,148
	1904	91	258	140	178	107	549
Saddlery and harness	1914	27	19	20	19	114	200
	1909	20	26	5	23	151	234
Slaughtering and meat packing.	1914	9	81	227	79	714	981
	1909	4	39	115	33	451	532
	1904	3	10	22	8	120	159
Tobacco, cigars	1914	29	27	1	19	57	128
	1909	24	80	.....	47	64	171
	1904	17	42	.....	30	43	104
All other industries	1914	57	548	3,219	486	2,104	3,764
	1909	67	645	2,501	323	1,460	2,657
	1904	30	257	3,142	174	877	1,435
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.							
BOISE	1914	57	348	1,053	285	599	1,377
	1909	50	411	672	308	895	1,660

[1] Includes "lumber, planing-mill products, not including planing mills connected with sawmills."
[2] Includes "bookbinding and blank-book making."

TABLE 23.—DETAIL STATEMENT FOR THE STATE, BY INDUSTRIES,

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	698	10,529	664	362	490	94	8,919	Je 10,583	Fe 6,414	(3)	(3)	(3)	(3)	(3)	$44,960,489
2	Artificial stone products	4	6	4	.....	.....	.....	2	Jy 5	Ja [4] 0	9	9	.....	.....	.....	19,586
3	Bread and other bakery products	65	196	73	4	3	12	104	Jy 110	Ja [5] 99	108	88	18	2	.....	230,955
4	Brick	10	88	10	2	3	.....	73	Au 141	Fe 7	116	116	.....	.....	.....	179,218
5	Butter	23	103	7	11	16	7	62	Jy 77	Mh [5] 49	63	57	4	2	.....	387,829
6	Canning and preserving, fruits and vegetables.	5	78	2	4	2	.....	70	Je 218	Ap [5] 2	312	67	220	2	23	73,891
7	Cars and general shop construction and repairs by steam-railroad companies.	7	1,053	.....	46	30	.....	977	De 1,234	My 765	1,248	1,245	.....	3	.....	2,266,435
8	Confectionery and ice cream	13	88	12	7	8	3	58	.....	.....	83	36	46	1	.....	157,532
9	Confectionery	8	71	7	7	8	1	48	Oc 78	Au 33	72	30	41	1	.....	142,557
10	Ice cream	5	17	5	.....	.....	2	10	Jy [5] 11	De [5] 9	11	6	5	.....	.....	14,875
11	Copper, tin, and sheet-iron work	5	12	4	.....	.....	.....	8	Ap [5] 9	De [5] 7	7	6	.....	1	.....	13,640
12	Flour-mill and gristmill products	71	314	50	33	35	8	188	No 234	Je 159	220	218	2	.....	.....	2,688,502
13	Foundry and machine-shop products.	10	100	9	5	7	1	78	Je 87	No 67	77	74	.....	3	.....	232,756
14	Gas, illuminating and heating	4	54	.....	4	2	4	44	Jy 49	Se 37	40	39	1	.....	.....	1,440,917
15	Ice, manufactured	10	53	2	7	1	1	42	Se 64	Fe 28	35	33	2	.....	.....	477,930
16	Liquors, malt	5	60	2	9	3	2	44	Jy 58	Fe 34	40	39	1	.....	.....	736,828
17	Lumber and timber products	143	6,500	159	116	233	24	5,968	Je 7,706	Fe 4,038	6,321	6,308	10	2	1	26,155,582
18	Lumber, planing-mill products	16	73	16	2	1	3	51	Jy [5] 55	De 40	45	45	.....	.....	.....	231,054
19	Marble and stone work	6	47	6	1	9	1	30	Jy [5] 42	De [5] 4	40	40	.....	.....	.....	90,292
20	Mineral and soda waters	20	52	26	2	2	.....	22	Se 30	Ja [5] 14	30	24	3	3	.....	87,861
21	Printing and publishing, book and job.	22	100	20	10	4	4	62	Fe 70	Je 57	64	56	7	1	.....	198,030
22	Printing and publishing, newspapers and periodicals.	151	694	151	33	67	18	425	.....	.....	446	364	49	32	1	1,027,968
23	Printing, publishing, and job printing.	142	683	144	33	64	17	425	Oc 442	My 414	446	364	49	32	1	1,020,931
24	Publishing without printing	9	11	7	.....	3	1	.....	.....	.....	.....	.....	.....	.....	.....	7,037
25	Saddlery and harness	27	54	35	.....	.....	.....	19	Au [5] 21	Ja 15	24	24	.....	.....	.....	175,208
26	Slaughtering and meat packing	9	107	4	11	11	.....	81	Au [5] 85	De 76	78	78	.....	.....	.....	520,522
27	Tobacco, cigars	29	65	34	3	1	.....	27	Ja 32	Jy [5] 24	34	30	4	.....	.....	51,686
28	All other industries*	43	632	38	52	52	6	484	.....	.....	.....	.....	.....	.....	.....	7,516,267
	CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.															
1	BOISE	57	522	46	37	69	22	348	Oc 372	Ja 321	388	327	60	1	.....	$2,424,834
2	POCATELLO	19	876	18	39	31	6	782	De 1,045	My 569	1,045	1,036	4	5	.....	2,212,906

[1] Owned power only. [2] Includes rented power, other than electric. [3] No figures given for reasons stated under "Explanation of terms."

*All other industries embrace—

Agricultural implements	2
Automobile bodies and parts	1
Awnings, tents, and sails	2
Bookbinding and blank-book making	2
Boxes, wooden packing	2
Brooms	1
Cars and general shop construction and repairs by electric-railroad companies	1
Cheese	4
Coffee, roasting and grinding	2
Condensed milk	1
Dairymen's, poultrymen's, and apiarists' supplies	1
Engines, steam, gas, and water	1
Flavoring extracts	1

AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$668,457	$571,831	$7,490,521	$562,085	$119,198	$428,968	$14,420,162	$471,932	$28,453,797	$13,561,703	50,326	38,264	460	1,674	9,928	6,192	1
.....	.....	1,040	956	.....	133	2,713	66	11,913	9,134	30	.....	.....	.....	30	.....	2
5,260	5,439	78,617	1,575	24,123	2,284	266,661	15,883	546,752	264,208	90	7	5	.....	78	5	3
3,600	1,545	43,918	.....	100	1,087	8,739	12,911	94,950	73,300	763	250	.....	50	463	.....	4
16,201	14,684	48,993	560	6,019	2,379	817,033	15,154	997,459	165,272	495	87	18	.....	390	.....	5
3,658	638	17,218	105	760	286	57,571	1,479	125,623	66,573	131	110	.....	.....	21	.....	6
64,297	30,331	987,662	416	.....	7,353	842,265	37,727	2,033,635	1,153,643	3,901	1,170	4	.....	2,727	100	7
8,958	9,121	25,913	.....	10,458	1,153	104,655	2,861	211,768	104,252	44	.....	.....	.....	44	.....	8
8,058	8,011	19,687	.....	6,138	894	90,379	2,353	177,298	84,566	32	.....	.....	.....	32	.....	9
.....	1,110	6,226	.....	4,320	259	14,276	508	34,470	19,686	12	.....	.....	.....	12	.....	10
.....	.....	6,765	.....	785	20	14,678	26	31,570	16,866	6	.....	6	.....	.....	.....	11
51,068	44,363	154,742	.....	3,622	24,363	2,672,624	54,408	3,395,942	668,910	3,914	190	83	1,254	2,387	.....	12
9,031	9,786	71,149	.....	520	5,593	59,064	6,155	233,813	168,594	221	20	.....	.....	201	.....	13
8,925	6,376	31,885	.....	.....	4,780	7,332	44,616	171,299	119,351	224	220	.....	.....	4	.....	14
12,275	1,992	37,683	.....	60	4,097	6,436	16,887	112,440	89,117	822	125	.....	.....	697	.....	15
18,600	6,690	51,905	.....	.....	36,687	107,850	15,063	374,683	251,770	398	190	.....	.....	208	.....	16
290,704	291,456	4,867,855	535,860	1,787	263,311	6,023,514	16,180	13,180,139	7,140,445	34,582	33,223	227	365	767	5,972	17
2,175	3,180	43,534	.....	615	2,573	57,364	5,309	148,604	85,931	354	50	9	.....	295	.....	18
2,100	5,201	39,073	305	880	840	27,075	1,928	91,499	62,496	120	.....	.....	.....	120	.....	19
1,524	950	11,970	300	2,144	954	31,989	1,465	80,869	47,415	42	4	8	.....	30	.....	20
12,650	6,030	51,612	1,647	9,204	2,183	41,963	2,126	186,124	142,035	56	.....	.....	.....	56	2	21
57,789	69,011	318,941	18,168	36,080	10,387	238,736	23,245	1,156,543	894,562	483	.....	63	5	415	.....	22
57,789	68,099	318,941	4,201	35,135	10,362	238,486	23,245	1,130,724	868,993	483	.....	63	5	415	.....	23
.....	912	.....	13,967	945	25	250	.....	25,819	25,569	.....	.....	.....	.....	.....	.....	24
.....	.....	18,644	.....	6,040	2,189	112,425	1,360	200,030	86,245	20	.....	.....	.....	20	1	25
16,725	11,937	78,889	.....	4,800	2,835	704,788	9,708	981,115	266,619	227	26	.....	.....	201	.....	26
1,720	693	19,409	70	2,950	6,680	56,974	425	127,766	70,367	1	.....	.....	.....	1	.....	27
81,197	52,408	483,104	2,123	8,251	46,801	2,157,713	186,950	3,959,261	1,614,598	3,402	2,592	37	.....	773	112	28
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																
$58,503	$71,015	$284,733	$2,752	$27,157	$25,881	$552,410	$46,379	$1,377,327	$778,538	1,053	75	.....	.....	978	.....	1
58,441	34,638	781,702	.....	7,750	10,446	826,758	36,923	1,876,167	1,012,486	3,828	1,120	.....	.....	2,708	5	2

[1] None reported for one or more other months.

[2] Same number reported for one or more other months.

Food preparations	1	Mattresses and spring beds	1	Sugar, beet	4
Fur goods	1	Optical goods	1	Vinegar	2
Furniture, store and office fixtures	1	Sand-lime brick	2	Washing machines and clothes wringers	1
Hardware, saddlery	1	Shipbuilding, wooden, including boat building	2	Wooden goods, not elsewhere specified	1
Lime	3	Soap	1		

ILLINOIS.

By George H. Van Emon.

GENERAL STATISTICS.

General character of the state.—Illinois was admitted to the Union as a state in 1818. With a gross area of 56,665 square miles, of which 56,043 represent land surface, it ranks twenty-third in size among the states. Its inhabitants in 1900 numbered 4,821,550, and in 1910, 5,638,591; and its estimated population in 1914 was 5,987,000. In total population Illinois ranked third among the states in 1910; and in density of population it ranked tenth, with 100.6 inhabitants per square mile, the corresponding figure for 1900 being 86.1.

The urban population in 1910—that is, the population residing in cities and towns of 2,500 or more—was 3,476,929, or 61.7 per cent of the total, as against 54.3 per cent in 1900. There were in the state in 1914, 36 cities, estimated to have a population of more than 10,000 each. One of these, Chicago, was estimated to have 2,397,600 inhabitants, or 40 per cent of the estimated population of the state in 1914, and reported 66 per cent of the total value of its manufactures; 14 others had 25,000 but less than 100,000, and the remaining 21 had between 10,000 and 25,000 each. Statistics for Cicero have been excluded from manufactures' data, in order to avoid the disclosure of individual operations. The aggregate population in 1914, of the 35 cities for which data can be shown, formed 54.7 per cent of the estimated population of the state in that year and reported 82 per cent of its manufactured products.

The transportation facilities of Illinois are excellent. A number of the railway trunk lines of the country enter or pass through it. The state had approximately 12,140 miles of steam railroad in 1914 and 2,898 single-track miles of electric railroad in 1912, the latest year for which figures are available. In addition to the ample railway facilities, the state has the advantage of cheap water transportation afforded by the Mississippi and its tributaries and by the Great Lakes.

The value of farm property in Illinois in 1910 was $3,905,321,075, and in this item the state ranked first. The total value of its farm crops in 1909 was $372,270,470, of which $198,350,496 was contributed by corn alone; $59,693,819, by oats; and $38,000,712, by wheat; the value of domestic animals sold or slaughtered on farms during the year was $147,060,674. The state ranks first in aggregate value of farm crops, first in production of corn and oats, sixth in that of wheat, and third in value of domestic animals sold or slaughtered on farms.

The total output of the mines, quarries, and wells of Illinois in 1914, according to the annual report of the United States Geological Survey, was valued at $117,145,108, the leading mineral products being coal, petroleum, clay products, and cement. The state ranked third in that year in total value of mineral products and in output of coal and petroleum.

The value of merchandise imported during the fiscal year 1914 through the port of Chicago, was $38,630,903, and the value of merchandise exported from that city during the same year was $8,687,501.

Importance and growth of manufactures.—Measured by the value of its manufactures, $2,247,322,819, Illinois ranked third among the states in 1914. Its factories gave employment to 506,943 wage earners on the average during the year, and the state ranked fifth in this respect. In 1909 the state held third place in value of products and fourth in average number of wage earners. Illinois' proportion of the total value of products manufactured in the United States in 1914 was 9.3 per cent, the corresponding proportions for 1909 and 1904 being 9.3 per cent and 9.5 per cent, respectively.

Table 1 summarizes the more important data relative to all classes of manufactures combined in the state, for the censuses 1914, 1909, 1904, and 1899, and gives the percentages of increase from census to census.

While the manufactures of the state increased during each of the three five-year periods shown in Table 1, the greatest development occurred during the period from 1904 to 1909. The only decrease shown is for the number of proprietors and firm members during the last five years.

As measured by the capital, horsepower, amount paid in salaries and wages, cost of materials, and value of products, the manufactures of the state more than doubled during the 15 years covered by the table. The totals do not include statistics for the arsenal at Rock Island operated by the Federal Government. In 1914 this plant employed an average of 1,906 wage earners, and the value of products was $3,700,291, as compared with 1,698 wage earners and products valued at $3,114,338 in 1909. The products consisted chiefly of infantry, cavalry, and artillery equipment.

Table 1

	MANUFACTURING INDUSTRIES.				PER CENT OF INCREASE.[1]		
	1914	1909	1904	1899	1909–1914	1904–1909	1899–1904
Number of establishments	18,388	18,026	14,921	14,374	2.0	20.8	3.8
Persons engaged	617,927	561,044	447,947	(2)	10.1	25.2	.....
Proprietors and firm members	15,854	17,357	13,990	(2)	—8.7	24.1	.....
Salaried employees	95,130	77,923	54,521	40,964	22.1	42.9	33.1
Wage earners (average number)	506,943	465,764	379,436	332,871	8.8	22.8	14.0
Primary horsepower	1,305,930	1,013,071	741,555	559,347	28.9	36.6	32.6
Capital	$1,943,835,846	$1,548,170,701	$975,844,799	$732,829,771	25.6	58.6	33.2
Salaries and wages	469,387,910	364,768,119	268,965,146	199,653,424	28.7	35.6	34.7
Salaries	128,477,585	91,449,114	60,559,678	40,549,245	40.5	51.0	49.4
Wages	340,910,325	273,319,005	208,405,468	159,104,179	24.7	31.1	31.0
Paid for contract work	18,864,010	13,625,794	11,473,474	(2)	38.4	18.8	.....
Rent and taxes (including internal revenue)	75,935,987	68,176,760	[3] 11,836,006	(2)	11.4	.....	.....
Cost of materials	1,340,183,407	1,160,926,690	840,057,316	681,450,122	15.4	38.2	23.3
Value of products	2,247,322,819	1,919,276,594	1,410,342,129	1,120,868,308	17.1	36.1	25.8
Value added by manufacture (value of products less cost of materials)	907,139,412	758,349,904	570,284,813	439,418,186	19.6	33.0	29.8

[1] A minus sign (—) denotes decrease. [2] Figures not available. [3] Exclusive of internal revenue.

Table 2 shows the relative importance and growth of the leading manufacturing industries in 1914 and gives the percentages of increase for the three five-year periods from 1899 to 1914.

Table 2

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904
All industries	18,388	506,943	100.0	$2,247,322,819	100.0	$907,139,412	100.0	8.8	22.8	14.0	17.1	36.1	25.8	19.6	33.0	29.8
Slaughtering and meat packing	98	31,627	6.2	489,230,324	21.8	77,215,741	8.5	18.4	—1.5	—3.1	25.6	22.4	10.2	69.3	21.3	—9.3
Foundry and machine-shop products	1,371	55,261	10.9	141,328,624	6.3	80,722,363	8.9	5.7	22.6	7.8	2.0	46.0	16.1	8.0	35.6	26.5
Printing and publishing	2,722	32,838	6.5	112,833,427	5.0	79,555,812	8.8	14.6	25.5	12.5	29.3	40.1	43.8	27.2	38.2	40.9
Clothing, men's, including shirts	604	35,119	6.9	89,144,448	4.0	47,833,982	5.3	—2.9	69.3	26.7	—0.4	57.0	43.6	8.1	52.7	42.7
Agricultural implements	73	19,556	3.9	65,337,663	2.9	32,460,102	3.6	1.6	25.3	—15.8	14.1	49.1	—8.6	(2)	57.0	—10.8
Iron and steel, steel works and rolling mills	25	15,408	3.0	64,995,121	2.9	25,057,057	2.8	—12.4	6.9	20.7	—25.0	44.3	32.9	—17.5	42.1	41.3
Cars, steam-railroad, not including operations of railroad companies	23	18,000	3.6	61,315,638	2.7	20,886,871	2.3	64.5	21.1	—3.0	127.1	—12.7	24.5	79.0	19.6	25.5
Liquors, distilled	7	855	0.2	51,596,022	2.3	42,989,814	4.7	14.0	8.4	101.7	—6.5	2.0	41.6	—6.5	—3.6	38.4
Flour-mill and gristmill products	406	2,398	0.5	49,493,224	2.2	6,652,317	0.7	—2.7	2.2	22.6	—3.2	28.1	39.6	20.5	11.3	36.4
Electrical machinery, apparatus, and supplies	142	16,483	3.3	45,667,456	2.0	26,288,292	2.9	71.0	57.3	1.4	70.2	60.6	37.2	99.2	45.8	20.8
Bread and other bakery products	2,278	10,404	2.1	45,250,060	2.0	21,611,189	2.4	20.8	16.1	33.4	25.3	38.1	64.7	48.9	22.3	54.4
Lumber and timber products	618	14,870	2.9	42,064,008	1.9	17,939,874	2.0	—10.2	9.5	27.4	—6.4	37.3	41.2	1.4	21.8	43.0
Cars and general shop construction and repairs by steam-railroad companies	94	28,682	5.7	41,496,130	1.8	23,177,666	2.6	24.0	21.1	38.3	28.8	26.4	53.7	36.4	28.5	59.4
Liquors, malt	89	5,749	1.1	39,435,995	1.8	29,029,593	3.2	30.7	9.1	23.4	38.6	19.6	20.5	35.6	15.7	18.0
Furniture and refrigerators	283	13,766	2.7	32,999,567	1.5	17,286,793	1.9	1.4	9.2	24.6	18.3	24.6	43.3	12.3	21.0	45.1
Gas, illuminating, and heating	75	3,890	0.8	28,170,560	1.3	20,135,071	2.2	—38.3	112.6	25.0	33.8	31.5	82.4	35.7	29.2	69.4
Tobacco manufactures	1,622	7,653	1.5	26,036,729	1.2	15,982,887	1.8	—4.7	7.5	26.8	19.1	36.2	31.9	20.5	31.8	30.4
Iron and steel, blast furnaces	5	1,450	0.3	25,861,528	1.2	4,067,381	0.4	—41.8	30.5	—36.5	—32.5	40.1	80.4	—45.0	—11.2	141.6
Copper, tin, and sheet-iron products	508	7,445	1.5	24,815,389	1.1	10,990,536	1.2	—0.4	32.4	24.3	8.7	48.3	45.2	14.1	46.1	49.5
Paints and varnishes	72	2,110	0.4	24,488,449	1.1	9,011,951	1.0	17.7	40.4	43.5	19.8	53.4	62.9	19.6	61.3	84.9
Confectionery	147	5,009	1.0	22,138,559	1.0	10,043,926	1.1	31.9	5.9	16.5	73.0	67.4	18.3	95.7	49.0	27.6
Coffee and spice, roasting and grinding	31	1,193	0.2	22,044,588	1.0	4,950,998	0.5	17.2	6.8	2.5	11.6	25.4	23.9	6.8	42.2	20.8
Butter, cheese, and condensed milk	267	1,755	0.3	21,792,220	1.0	3,556,588	0.4	1.3	—0.2	17.0	22.4	34.1	3.1	0.7	37.5	—4.2
Soap	27	2,144	0.4	21,420,035	1.0	6,167,142	0.7	—2.0	14.9	22.4	6.1	42.6	50.0	—1.1	29.5	41.4
Clothing, women's	241	8,113	1.6	20,750,550	0.9	9,531,354	1.1	31.9	31.2	6.5	24.7	35.9	25.2	28.4	25.7	24.1
Musical instruments, pianos and organs, and materials	71	8,334	1.6	19,705,601	0.9	11,384,130	1.2	—5.0	16.9	60.8	2.8	43.9	63.4	8.1	32.9	64.0
Smelting and refining, zinc	8	3,573	0.7	18,421,039	0.8	4,220,647	0.5	85.9	17.0	5.9	101.6	65.9	—7.8	68.3	64.4	4.1
Boots and shoes, including cut stock and findings	57	6,397	1.3	18,407,348	0.8	6,266,336	0.7	10.4	36.3	—11.3	9.9	67.7	—4.8	6.5	64.5	7.2
Food preparations, not elsewhere specified	115	1,790	0.4	17,620,136	0.8	4,868,943	0.5	32.6	41.4	32.6	69.4	98.3	.....	51.8	83.6	.....
Leather, tanned, curried, and finished	28	2,678	0.5	17,509,256	0.8	3,591,824	0.4	—10.8	8.3	22.4	17.4	38.6	37.1	20.2	7.6	25.2
Petroleum, refining	9	1,072	0.2	16,892,727	0.8	4,484,519	0.5	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wire	9	2,763	0.5	15,219,277	0.7	5,347,199	0.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carriages and wagons and materials	296	4,861	1.0	15,192,466	0.7	6,824,089	0.8	—16.9	13.5	18.6	—9.7	47.7	26.5	—7.2	30.2	21.4
Patent medicines and compounds and druggist's preparations	363	1,844	0.4	15,031,507	0.7	9,934,728	1.1	—1.3	0.1	43.3	14.6	—1.5	103.6	14.2	—12.0	118.8
Brick, tile, pottery, and other clay products	235	8,610	1.7	14,221,869	0.6	10,262,930	1.1	—11.5	23.5	9.0	—1.1	33.1	49.5	—4.6	28.7	48.8
Malt	14	438	0.1	11,132,980	0.5	1,947,729	0.2	16.2	—24.9	27.7	16.7	11.7	66.3	—6.5	13.4	64.3
Automobiles, including bodies and parts	91	2,545	0.5	11,018,162	0.5	4,729,729	0.5	6.8	1,326.3	—44.9	54.0	1,903.9	—52.3	49.0	1,195.9	—46.3
Stoves and furnaces, including gas and oil stoves	70	3,917	0.8	10,202,998	0.5	6,012,060	0.7	—12.9	15.1	.....	—0.8	30.8	.....	—6.5	27.3	.....
Canning and preserving	117	2,560	0.5	10,121,497	0.5	3,441,082	0.4	7.4	11.0	1.2	32.8	8.2	20.1	22.6	2.9	29.0
Boxes, fancy and paper	80	4,586	0.9	9,740,786	0.4	4,568,119	0.5	12.3	51.3	9.0	53.4	72.3	23.2	36.8	66.7	30.2
Millinery and lace goods	102	3,323	0.7	9,221,978	0.4	4,202,742	0.5	—0.2	18.9	84.6	26.6	47.2	135.3	20.6	36.5	140.7
Chemicals	26	1,682	0.3	8,618,118	0.4	3,257,699	0.4	101.2	16.0	21.5	85.1	103.9	9.4	85.1	89.7	2.0

[1] Percentages are based on figures in Table 43; a minus sign (—) denotes decrease; percentages are omitted when base is less than 100, or when comparable figures can not be given.

[2] Less than one-tenth of 1 per cent.

Table 2—Continued.

INDUSTRY.	CENSUS OF 1914.						PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904
Baking powders and yeast	19	628	0.1	$8,454,936	0.4	$4,988,243	0.5	−4.4	−13.3	69.6	10.8	68.1	35.7	14.1	58.7	33.8
Leather goods	304	2,325	0.5	7,982,276	0.4	3,444,488	0.4	−21.2	11.1	0.5	−10.8	33.3	29.0	−9.7	16.3	35.6
Coke	3	1,178	0.2	7,840,247	0.3	2,012,071	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glass	10	3,764	0.7	7,680,343	0.3	4,872,493	0.5	7.3	−26.4	44.3	52.2	−10.2	98.3	39.0	−16.9	95.4
Clocks and watches, including cases and materials	15	5,688	1.1	7,659,153	0.3	5,621,145	0.6	0.4	39.2	24.5	8.7	40.9	77.8	4.9	33.8	90.2
Brass, bronze, and copper products	75	1,502	0.3	7,570,456	0.3	2,330,045	0.2	−11.0	5.2	27.1	10.6	44.0	45.0	−13.5	13.2	79.1
Hosiery and knit goods	46	3,535	0.7	7,367,235	0.3	3,300,596	0.4	21.4	24.4	27.8	23.9	59.4	69.2	21.6	73.5	70.3
Furnishing goods, men's	58	2,775	0.5	7,140,028	0.3	2,637,975	0.3	3.2	63.2	−5.9	−1.0	75.8	21.9	−0.1	61.7	25.7
Paper and wood pulp	21	1,704	0.3	6,951,794	0.3	2,686,784	0.3	22.0	45.7	53.9	39.5	104.0	70.6	42.6	83.4	62.0
Roofing materials	23	862	0.2	6,643,854	0.3	2,324,934	0.3	167.7	60.2	.....	96.9	157.6	.....	75.5	242.4	.....
Cooperage and wooden goods, not elsewhere specified	61	1,921	0.4	6,597,963	0.3	2,002,364	0.2	−19.6	−7.0	15.0	−0.2	−6.7	14.7	−6.1	−7.5	0.7
Cement	6	1,467	0.3	6,467,707	0.3	3,608,240	0.4	5.2	158.3	.....	58.2	247.0	.....	46.1	243.9	.....
Marble and stone work	312	1,975	0.4	6,175,739	0.3	3,600,035	0.4	−11.3	9.1	−0.2	−8.8	25.6	34.1	−3.8	15.0	36.7
Gas and electric fixtures and lamps and reflectors	76	2,078	0.4	6,157,909	0.3	3,117,505	0.3	−0.6	81.1	82.0	6.2	99.6	70.2	0.5	81.4	67.9
Signs and advertising novelties	150	2,176	0.4	6,045,092	0.3	4,221,432	0.5	68.7	.....	.....	84.8	.....	.....	84.6	.....	.....
Babbitt metal and solder	12	203	(2)	5,143,492	0.2	847,298	0.1	10.9	28.9	5.2	24.0	65.8	64.4	9.7	32.2	125.5
Window shades and fixtures	47	918	0.2	4,950,677	0.2	1,318,856	0.1	18.0	112.0	.....	6.1	222.9	.....	−12.2	200.4	.....
Confectionery (ice cream)	185	820	0.2	4,922,443	0.2	2,111,939	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grease and tallow, not including lubricating greases	39	772	0.2	4,760,845	0.2	1,325,416	0.1	−0.8	30.5	98.0	−14.8	129.3	20.1	−13.1	60.5	143.0
Paper goods, not elsewhere specified	46	1,570	0.3	4,692,992	0.2	2,162,712	0.2	19.2	40.9	66.1	24.2	131.6	58.1	21.4	100.9	121.8
Wirework, including wire rope and cable, not elsewhere specified	51	886	0.2	4,682,478	0.2	1,261,801	0.1	22.4	−28.5	.....	41.0	−11.7	.....	2.3	−8.2	.....
Smelting and refining, not from the ore	17	282	0.1	4,587,299	0.2	1,071,707	0.1	−23.6	47.6	541.0	16.7	98.9	567.6	54.0	78.5	369.9
Soda-water apparatus	11	1,176	0.2	4,237,536	0.2	2,448,651	0.3	23.1	43.0	.....	35.2	105.4	.....	22.9	132.7	.....
Motorcycles, bicycles, and parts	13	911	0.2	4,064,739	0.2	1,804,407	0.2	0.1	−6.1	−77.9	128.8	53.1	−87.0	124.4	24.1	−84.3
Corsets	19	1,974	0.4	3,978,982	0.2	1,916,189	0.2	31.4	56.3	−12.2	46.8	119.2	23.1	26.4	124.3	24.7
Instruments, professional and scientific	30	1,104	0.2	3,969,727	0.2	2,849,166	0.3	152.1	88.8	.....	124.4	240.8	.....	134.7	181.7	.....
Looking-glass and picture frames	59	1,741	0.3	3,836,779	0.2	2,254,715	0.2	−16.1	−6.7	.....	−14.9	−13.2	.....	−17.6	−16.1	.....
Fertilizers	12	696	0.1	3,775,287	0.2	1,425,560	0.2	56.8	825.0	−85.8	58.2	1,721.3	−92.9	48.5	2,243.9	−95.3
Glue, not elsewhere specified	9	968	0.2	3,731,375	0.2	1,346,431	0.1	2.3	11.6	.....	−1.2	38.4	.....	−28.7	78.9	.....
Mattresses and spring beds	86	1,018	0.2	3,669,634	0.2	1,543,260	0.2	22.5	−6.2	28.0	28.3	35.1	28.2	25.9	35.2	5.6
Sewing machines and attachments	7	1,717	0.3	3,547,849	0.2	2,492,648	0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ice, manufactured	128	1,312	0.3	3,388,862	0.2	2,383,440	0.3	63.2	65.8	−22.3	75.8	105.1	−5.1	60.4	114.4	−15.2
Photo-engraving, not done in printing establishments	31	1,255	0.2	3,356,688	0.1	2,765,421	0.3	12.7	86.9	−9.8	25.4	96.2	28.7	29.0	93.9	22.1
Cutlery and tools, not elsewhere specified	84	1,631	0.3	3,296,888	0.1	2,119,634	0.2	17.1	55.6	.....	19.5	82.0	.....	25.7	77.5	.....
Jewelry	100	992	0.2	3,264,465	0.1	2,009,608	0.2	0.2	38.8	47.3	17.4	58.4	9.6	32.6	58.9	19.4
Surgical appliances and artificial limbs	37	687	0.1	3,238,420	0.1	1,566,302	0.2	28.2	23.8	125.5	54.3	107.8	92.4	32.9	96.7	68.7
Windmills	11	1,182	0.2	3,194,144	0.1	1,701,488	0.2	−18.7	96.9	.....	−21.9	93.0	.....	−17.2	81.7	.....
Cars and general shop construction and repairs by electric-railroad companies	43	1,813	0.4	3,181,375	0.1	1,653,919	0.2	−19.1	122.7	13.7	−7.8	201.9	2.4	0.6	126.8	24.1
House-furnishing goods, not elsewhere specified	46	506	0.1	3,079,275	0.1	1,557,050	0.2	73.3	14.1	.....	123.3	21.1	.....	169.4	32.0	.....
Paving materials	22	1,659	0.3	2,962,680	0.1	1,877,619	0.2	1,465.1	34.2	.....	496.2	27.8	.....	1,066.5	−3.2	.....
Bags, other than paper	9	275	0.1	2,876,238	0.1	550,184	0.1	45.5	48.8	19.8	198.0	19.3	47.9	96.4	67.7	−6.2
Mineral and soda waters	287	836	0.2	2,784,279	0.1	1,656,695	0.2	−5.5	5.0	17.6	−8.6	34.9	46.8	−16.6	22.0	66.1
Gloves and mittens, leather	28	1,371	0.3	2,773,867	0.1	1,086,647	0.1	4.7	15.4	−36.3	9.9	49.2	−31.9	4.0	24.6	−32.9
Coffins, burial cases, and undertakers' goods	21	802	0.2	2,705,383	0.1	1,397,912	0.2	9.6	8.3	37.1	19.7	21.0	50.3	9.4	36.2	81.4
Artificial stone products	420	1,122	0.2	2,664,575	0.1	1,567,100	0.2	42.9	762.6	.....	79.1	841.8	.....	72.0	767.6	.....
Explosives	9	366	0.1	2,581,762	0.1	926,580	0.1	26.2	104.2	100.0	75.8	106.3	145.5	73.6	78.0	105.5
Fancy articles, not elsewhere specified	49	692	0.1	2,388,178	0.1	1,161,212	0.1	55.9	−43.4	67.7	80.9	−21.1	84.4	55.6	−26.6	110.4
Wood preserving	5	404	0.1	2,317,393	0.1	773,259	0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dairymen's, poultrymen's, and apiarists' supplies	32	638	0.1	2,307,367	0.1	1,213,283	0.1	97.5	−10.0	.....	95.3	4.4	.....	100.2	6.3	.....
Wall paper, not made in paper mills	5	544	0.1	2,254,048	0.1	972,925	0.1	87.6	9.0	82.2	64.9	25.0	105.6	46.3	55.4	64.0
Sporting and athletic goods	21	760	0.2	2,237,529	0.1	1,011,545	0.1	14.4	81.6	.....	42.6	136.7	.....	34.0	128.8	.....
Iron and steel forgings, not made in steel works or rolling mills	17	750	0.1	2,061,247	0.1	930,715	0.1	−5.5	46.5	.....	−18.2	77.2	.....	−19.5	57.7	.....
Stationery goods	23	467	0.1	2,041,713	0.1	1,166,375	0.1	−42.4	12.7	.....	−10.2	22.4	.....	−5.4	9.4	.....
Glass, cutting, staining, and ornamenting	56	911	0.2	2,041,688	0.1	1,100,377	0.1	−2.2	17.8	.....	5.1	27.2	.....	−3.6	19.1	.....
Cordials and flavoring sirups	9	42	(2)	2,015,860	0.1	1,207,193	0.1	−82.4	340.7	.....	−29.8	412.9	.....	8.6	436.7	.....
Rubber goods	17	563	0.1	1,980,133	0.1	1,015,093	0.1	441.3	−91.2	37.4	419.7	−86.6	−22.7	460.8	−84.6	−31.8
Upholstering materials	8	434	0.1	1,770,525	0.1	525,678	0.1	−8.6	−33.6	.....	−10.5	20.8	.....	−24.6	3.7	.....
Fur goods	84	300	0.1	1,604,873	0.1	735,032	0.4	−2.6	−2.1	−54.1	−16.8	34.7	−38.6	−14.3	40.0	−42.7
Stereotyping and electrotyping	25	705	0.1	1,593,829	0.1	1,186,113	0.1	19.1	−13.6	50.5	24.3	6.4	79.0	22.8	−1.0	68.6
Awnings, tents, and sails	57	377	0.1	1,550,130	0.1	737,174	0.1	16.4	−43.8	.....	47.3	−61.0	.....	74.2	−37.0	.....
Brooms	65	646	0.1	1,533,248	0.1	713,426	0.1	30.8	.....	.....	4.7	.....	.....	13.2	.....	.....
Belting, leather	8	157	(2)	1,404,769	0.1	426,954	(2)	−32.6	48.4	−32.0	−35.8	107.4	−22.5	−46.8	83.3	−6.4
Flavoring extracts	27	144	(2)	1,400,777	0.1	711,147	0.1	50.0	−58.8	.....	49.0	−38.4	.....	57.3	−32.2	.....
Springs, steel, car, and carriage, etc., not made in steel works or rolling mills	7	488	0.1	1,399,764	0.1	741,335	0.1	6.3	−3.0	.....	1.4	28.0	.....	1.8	25.2	.....
Scales and balances	12	531	0.1	1,375,843	0.1	838,489	0.1	114.1	125.5	−10.6	139.7	88.2	−1.0	154.7	58.9	−5.5

[1] Percentages are based on figures in Table 43; a minus sign (−) denotes decrease; percentages are omitted when base is less than 100, or when comparable figures can not be given.

[2] Less than one-tenth of 1 per cent.

Table 2—Continued.

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904
Cash registers and calculating machines	10	514	0.1	$1,368,158	0.1	$1,268,271	0.1	12.2	69.6	.....	−10.0	373.5	.....	−10.3	387.6	.....
Photographic apparatus and materials	18	499	0.1	1,315,406	0.1	668,988	0.1	75.7	6.3	5.5	77.8	−8.8	27.1	58.5	−19.6	18.0
Blacking and cleansing and polishing preparations	73	256	0.1	1,304,086	0.1	585,343	0.1	8.5	34.9	44.6	6.0	86.1	30.1	−11.5	118.2	−3.2
Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills	8	470	0.1	1,283,371	0.1	514,612	0.1	−46.4	338.5	.....	−34.4	312.4	.....	−45.3	330.1	.....
Type founding and printing materials	18	343	0.1	1,245,989	0.1	773,561	0.1	−21.7	1.4	2.5	−0.2	6.8	−7.1	−11.3	3.1	−5.6
Poultry, killing and dressing	28	109	(2)	1,243,910	0.1	199,783	(2)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saws	9	432	0.1	1,225,072	0.1	592,666	0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brushes	32	395	0.1	1,156,397	0.1	537,342	0.1	21.2	.....	.....	19.9	.....	.....	30.8	.....	.....
Wood, turned and carved	31	475	0.1	1,181,977	0.1	572,901	0.1	−27.3	3.8	−10.7	−15.3	22.4	26.5	−28.9	17.3	11.0
Washing machines and clothes wringers	18	247	(2)	1,137,217	0.1	514,275	0.1	208.8	158.1	.....	163.2	206.4	.....	98.5	135.5	.....
Hats and caps, other than felt, straw, and wool	36	465	0.1	1,126,735	0.1	610,051	0.1	0.4	6.2	1.6	7.7	1.9	7.9	7.6	15.5	3.8
Labels and tags	14	473	0.1	1,124,686	0.1	654,678	0.1	−7.4	115.6	.....	36.9	153.7	.....	47.2	122.5	.....
Mirrors, framed and unframed	13	326	0.1	1,074,978	(2)	414,496	(2)	−7.6	−28.5	64.7	−2.8	−21.4	56.4	−11.9	−33.3	112.7
Screws, machine	9	567	0.1	1,028,463	(2)	589,612	0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other industries	924	22,916	4.5	126,607,634	5.6	39,216,968	4.3	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 43; a minus sign (−) denotes decrease; percentages are omitted when base is less than 100, or when comparable figures can not be given.
[2] Less than one-tenth of 1 per cent.

Separate statistics are presented for 121 industries, or industry groups, for each of which products valued at more than $1,000,000 were reported in 1914. These industries include, 3 with products valued at more than $100,000,000; 5 with products between $50,000,000 and $100,000,000 in value; 10 with products between $25,000,000 and $50,000,000; and 21 with products between $10,000,000 and $25,000,000, making an aggregate of 39 industries, each of which had products valued at more than $10,000,000. The other industries shown separately comprise 19 with products between $5,000,000 and $10,000,000 in value, and 63 with products between $1,000,000 and $5,000,000. Among those included under the head of "all other industries," are 17 which have products in excess of some of those shown in the table, but which can not be given separately without the possibility of disclosing the operations of individual establishments.[1]

Slaughtering and meat packing.—This classification includes wholesale slaughtering and meat-packing establishments and those engaged in the manufacture of sausage only, but does not include the operations of numerous slaughterhouses killing for the retail trade, which in the aggregate slaughter a large number of animals. Illinois still retains first place in this industry, the value of products reported in 1914 being $489,230,324, or 29.2 per cent of the total for the industry in the United States. The corresponding proportions at former censuses were 28.4 per cent in 1909, 34.5 per cent in 1904, and 36.6 per cent in 1899. The value of slaughtering and meat-packing products formed 21.8 per cent of the total for all manufacturing industries of the state in 1914 and showed an increase of 25.6 per cent over the value reported for 1909. The industry ranked first in value of products and fourth in the number of wage earners employed in 1914 and 1909; in value added by manufacture, it was third in 1914 and fourth in 1909.

Foundry and machine-shop products.—This industry includes all foundries and machine shops, except those which manufacture a distinctive product covered by some other classification, such as cash registers, sewing machines, stoves and furnaces, and electrical machinery and apparatus. Establishments engaged in automobile repairing and those engaged in the manufacture of bells, cast-iron and cast-steel pipe, steam, gas and water engines, gas machines and gas and water meters, hardware, steam fittings and steam hoisting apparatus, steam pumps, and structural ironwork, are all included under this general classification. The industry ranks second in value of products, with 6.3 per cent of the state total for all manufacturing industries. There was an increase of but 2 per cent in the value of products from 1909 to 1914, as compared with 46 per cent from 1904 to 1909. At the last two censuses, it was the leading industry in the state in average number of wage earners, giving employment to 55,261 or 10.9 per cent of the total wage earners in the state in 1914, as compared with 52,266, or 11.2 per cent, in 1909.

Printing and publishing.—This industry ranked third in value of products among the industries of the state in 1914, having advanced from fourth place in 1909. It includes the printing and publishing of books, news-

[1] These industries are:
Ammunition.
Butter, reworking.
Cordage and twine.
Cotton goods.
Glucose and starch.
Gold and silver, reducing and refining, not from the ore.
Iron and steel, wrought pipe.
Lead, bar, pipe and sheet.
Oil, cottonseed, and cake.
Oil, linseed.
Oleomargarine.
Optical goods.
Silk goods, including throwsters.
Smelting and refining, lead.
Sulphuric, nitric, and mixed acids.
Typewriters and supplies.
Wool scouring.

papers and periodicals, and music, job printing, bookbinding and blank-book making, steel and copper plate engraving and lithographing. Illinois ranked second in the United States in this industry, with products valued at $112,833,427 in 1914, an increase of 29.3 per cent over that reported in 1909. There was an increase of 14.6 per cent in the average number of wage earners and 4.4 per cent in the number of establishments during the same period. The value of products for the industry formed 5 per cent of the total for all industries in the state in 1914. The principal items entering into the total value of products in 1914 were job printing, $36,161,727; book and pamphlet printing and publishing, $16,755,432; subscriptions and sales of newspapers, $9,592,167; newspaper advertising, $16,363,738; subscriptions and sales of magazines and periodicals, $6,857,958; periodical advertising, $8,974,993; bookbinding and blank-book making, $6,428,579; and engraving, steel and copper plate, including plate printing, and lithographing, $7,522,689.

Clothing, men's, including shirts.—This classification includes the making of men's and boys' ready-made clothing and of overalls, workmen's aprons, bathing suits, and the manufacture of all kinds of shirts and shirt waists for men and boys, and also the manufacture of shirt bosoms. The industry includes 253 establishments using purchased materials and 351 that made clothing from materials furnished by others. Of the 604 establishments, 563 were in Chicago, and the value of their products amounted to $84,339,611, or 94.6 per cent of the total for the state. There was a slight decrease both in the average number of wage earners and in the value of products reported for the state in 1914, as compared with 1909.

Agricultural implements.—This industry includes the manufacture of various kinds of seeders and planters; plows, harrows, and cultivators; reapers, binders, mowers, and other harvesting machinery; thrashing machines and other seed separators; and other machinery used for agricultural purposes. Illinois is the leading state in the production of agricultural implements, the value of its products amounting to $65,337,663, or more than one-third of the total value reported for the United States. There was an increase of 14.1 per cent in the value of products for 1914, as compared with 1909, and the rank of the industry advanced from sixth place in 1909 to fifth in 1914.

Iron and steel, steel works and rolling mills.—This industry embraces the manufacture of steel and the hot rolling of iron and steel. It also includes the making of forgings and castings and the manufacture of rolled iron and steel into more highly finished forms when conducted as a part of the rolling-mill operations. It does not include the making of cold-rolled products nor of forgings, castings, and other manufactures of iron and steel by establishments not equipped with steel-making furnaces or hot trains of rolls. There were 25 establishments in the state in 1914, coming under this classification, a gain of one since 1909 and of two since 1904. The industry was seventh in rank in the state in value of products in 1914, fifth in 1909, fourth in 1904, and third in 1899. The decrease of 25 per cent in the value of products for 1914, as compared with 1909, is a reflection of the depression in the iron and steel industry during 1914. The average number of wage earners decreased 12.4 per cent and the value added by manufacture, 17.5 per cent during the same period.

Iron and steel, blast furnaces.—The blast-furnace industry showed a considerable decrease during the five-year period 1909 to 1914. There were five establishments reported for the industry in 1914 and 6 in 1909. There were 17 furnaces, of 7,351 tons daily capacity, in operation all or a part of the time during 1914, as compared with 24 of 8,125 tons in 1909, all coke furnaces. The average number of wage earners employed in the industry decreased from 2,493 to 1,450, or 41.8 per cent, and the value of products, from $38,299,897 in 1909 to $25,861,528 in 1914, or 32.5 per cent. Illinois contributed 8.1 per cent of the total value of products for the industry in the United States in 1914, as compared with 9.8 per cent in 1909, and 11.8 per cent in 1904.

Cars, steam-railroad, not including operations of railroad companies.—The products of the industry, include sleeping cars, dining cars, chair cars, passenger coaches, mail, express, and baggage cars, refrigerator, automobile, and the various other kinds of freight cars. Although the number of establishments was five less in 1914 than in 1909, the average number of wage earners increased from 10,945 to 18,000, or 64.5 per cent, and the value of products from $27,001,092 to $61,315,638, or 127.1 per cent. The large increase is to a considerable extent due to the remodeling of the rolling stock of railroads, following the more general use of steel cars in both freight and passenger service. Of the total number of passenger cars built in 1914, 1,339 were all steel; 90 were steel bodies with wood interior; 29 were steel underframes; while 14 were all wood. Of the 32,923 freight cars, the steel underframe type predominated, 27,137 being of that class, 4,347 were all steel, and the remaining 1,439 were of the "all wood" type. In 1904 and 1914 Illinois held first place in value of products for the industry in the United States, while in 1909, it was second.

Liquors, distilled.—Illinois has ranked first among the states in this industry at each of the last four censuses, the products reported in 1914 amounting to $51,596,022, or 24.9 per cent of the total for the United States. The figures reported represent chiefly the distillation of high-proof spirits, although alcohol and whisky were also made in considerable quantities. Peoria is the center of the industry, five of the seven establishments reported for the state, being in that city. The Federal internal-revenue tax on this product amounted to $39,771,777 in 1914.

Liquors, malt.—Although the number of breweries in the state decreased from 116 in 1904 to 89 in 1914, the industry progressed constantly during the decade. The average number of wage earners increased 1,716, or 42.5 per cent, and the value of products, $15,648,959, or 65.8 per cent.

Flour-mill and gristmill products.—This classification includes mills grinding wheat, rye, barley, buckwheat, corn, etc., but excludes mills doing custom grinding only and establishments making fancy cereals or other products. The industry showed a slight decrease during the period 1909 to 1914.

The rank of some of the industries shown separately in the table changes to a marked degree when determined by average number of wage earners or value added by manufacture, instead of by value of products. Slaughtering and meat packing, the ranking industry of the state in value of products, is only third in value added by manufacture and fourth in the average number of wage earners employed. Foundries and machine shops, second on the basis of the value of their products, holds first place in the value added by manufacture and in the number of wage earners. Printing and publishing, the third largest industry when measured by both value of products and number of wage earners employed, ranks second in value added by manufacture. Men's clothing holds the same rank in value added by manufacture as in the value of products but advances to second place in the number of wage earners. Among the industries whose rank in value added by manufacture and in average number of wage earners is not commensurate with the gross value of products, are flour mills and gristmills, blast furnaces, and butter, cheese, and condensed-milk factories. In these industries the work is done largely by machinery and comparatively few employees are required. The proportional value added to the raw material by manufacture is, therefore, small in comparison with the corresponding proportion for most other industries. The reverse is true in some industries in which the cost of materials forms a smaller proportion of the cost of production. In the brewing and distilling of liquors the relatively high rank in value added by manufacture is due to the inclusion of the Federal internal-revenue tax in the value of products.

In rank according to value of products there were a number of changes in 1914, as compared with 1909. Of the more important industries shown in the table, slaughtering and meat packing and foundries and machine shops held the same rank in value of products at both censuses. Printing and publishing and men's clothing exchanged places, and steelworks and rolling mills and agricultural implements also reversed the order of their rank at the two censuses. Some of the remaining industries held the same rank in 1914 as in 1909, while for others slight changes are noticeable from the earlier census to the later.

As stated in the "Explanation of terms," each establishment has been assigned to a given classification according to its product of chief value, so that the figures for any given industry must not be taken as fully covering the branch of manufacturing indicated by the industry designation. Therefore, in considering the relative importance of the industries shown in the preceding table or in Table 44, it should be noted that the figures for several of the industries listed fall short of being a complete presentation of the industry.

Persons engaged in manufacturing industries.—Table 3 shows, for 1914 and 1909, the number of persons engaged in manufactures, distributed by sex, the average number of wage earners being distributed also by age. The sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms."

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.				
		Total.	Male.	Female.	Per cent of total.	
					Male.	Female.
All classes	1914	617,927	510,833	107,094	82.7	17.3
	1909	561,044	465,139	95,905	82.9	17.1
Proprietors and officials	1914	35,005	33,768	1,237	96.5	3.5
	1909	33,611	32,567	1,044	96.9	3.1
Proprietors and firm members	1914	15,854	15,180	674	95.7	4.3
	1909	17,357	16,725	632	96.4	3.6
Salaried officers of corporations	1914	7,980	7,714	266	96.7	3.3
	1909	6,764	6,548	216	96.8	3.2
Superintendents and managers	1914	11,171	10,874	297	97.3	2.7
	1909	9,490	9,294	196	97.9	2.1
Clerks and other subordinate salaried employees.	1914	75,979	56,000	19,979	73.7	26.3
	1909	61,669	46,390	15,279	75.2	24.8
Wage earners (average number)	1914	506,943	421,065	85,878	83.1	16.9
	1909	465,764	386,182	79,582	82.9	17.1
16 years of age and over	1914	501,251	418,363	82,888	83.5	16.5
	1909	458,847	382,691	76,156	83.4	16.6
Under 16 years of age	1914	5,692	2,702	2,990	47.5	52.5
	1909	6,917	3,491	3,426	50.5	49.5

Not only do males largely predominate in all classes for which separate statistics are given in the above table, but during the five-year period there was an increase in the per cent they formed of the total number of wage earners. There was a slight decrease in the proportion which males formed of the total number of proprietors and officials and of clerks and other salaried employees in 1914, as compared with 1909. The largest number of females, 85,878, were employed as wage earners, but they formed only 16.9 per cent of the total number of wage earners. The largest proportion of females, 26.3 per cent, is shown for clerks and other subordinate salaried employees. Corresponding figures for individual industries will be found in Table 44.

Table 4 gives, for the several classes of persons engaged in manufactures, the percentages of increase from 1909 to 1914 and the per cent distribution at the two censuses.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.								
	Per cent of increase,[1] 1909–1914.			Per cent distribution.					
				Total.		Male.		Female.	
	Total.	Male.	Female.	1914	1909	1914	1909	1914	1909
All classes	10.1	10.3	9.2	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	4.1	3.7	18.5	5.7	6.0	6.6	7.0	1.2	1.1
Proprietors and firm members	−8.7	−9.2	6.6	2.6	3.1	3.0	3.6	0.6	0.7
Salaried officers of corporations	18.0	17.8	23.1	1.3	1.2	1.5	1.4	0.3	0.2
Superintendents and managers	17.7	17.0	51.5	1.8	1.7	2.1	2.0	0.3	0.2
Clerks and other subordinate salaried employees	23.2	20.7	30.8	12.3	11.0	10.9	10.0	19.1	15.9
Wage earners (average number)	8.8	9.7	4.9	82.0	83.0	82.5	83.0	79.7	83.0
16 years of age and over	8.7	9.3	5.7	80.7	81.8	81.5	82.3	76.9	79.4
Under 16 years of age	16.6	45.6	−12.9	1.3	1.2	1.0	0.7	2.8	3.6

[1] A minus sign (−) denotes decrease.

Each of the several classes of employees, with the exception of proprietors and firm members, shows an increase from 1909 to 1914. The largest percentage of increase for both sexes combined, 23.2, is shown for clerks and other subordinate salaried employees, but the proportion which this class formed of the total number of wage earners was only 12.3 per cent in 1914 and 11 per cent in 1909. Although the number of wage earners 16 years of age and over increased substantially, the proportion which this class formed of all persons engaged in manufacturing industries in the state decreased slightly—from 81.8 per cent in 1909 to 80.7 per cent in 1914. The decrease in the number of proprietors and firm members is due in part to the discontinuance of numerous small brickyards and to the decrease in the number of lumber mills. A majority of these small mills, which went out of business between censuses, were operated by individuals or firms. Changes in character of ownership, as shown by Table 18, also account in part for the decrease in proprietors and firm members. A considerable number of establishments operated by individuals or firms in 1909 were subsequently incorporated, and their owners were reported in 1914 as salaried officers of corporations and superintendents and managers.

In order to compare the distribution of persons engaged in manufactures in 1914 with that shown at the census of 1904, it is necessary to use the classification employed at the earlier census. (See "Explanation of terms.") Table 5 makes this comparison according to occupational status.

Table 5

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.							
	Number.			Per cent distribution.			Per cent of increase.[1]	
	1914	1909	1904	1914	1909	1904	1909–1914	1904–1909
Total	617,927	561,044	447,947	100.0	100.0	100.0	10.1	25.2
Proprietors and firm members	15,854	17,357	13,990	2.6	3.1	3.1	−8.7	24.1
Salaried employees	95,130	77,923	54,521	15.4	13.9	12.2	22.1	42.9
Wage earners (average)	506,943	465,764	379,436	82.0	83.0	84.7	8.8	22.8

[1] A minus sign (−) denotes decrease.

During the decade 1904 to 1914 salaried employees increased 74.5 per cent and the proportion which this class formed of the total persons in the state engaged in manufactures advanced from 12.2 per cent to 15.4 per cent. Proprietors and firm members and wage earners increased at the rate of 13.3 per cent and 33.6 per cent, respectively, during the same period, but each of these two classes formed a decreasing proportion of the total from census to census. The decrease of 8.7 per cent from 1909 to 1914 in the number of proprietors and firm members is explained in Table 4.

The average number of wage earners employed and their per cent distribution as males 16 years of age and over, females 16 years of age and over, and children under 16 years of age, are given in Table 6 for 1914, 1909, and 1904. The table also shows for some of the important industries separately, a similar distribution of wage earners for 1914 and 1909.

There was little change from 1904 to 1914 in the proportion which men, women, and children formed, respectively, of the total wage earners reported for all industries combined. The slight relative increase in females 16 years of age and over was accompanied by corresponding decreases in males of the same age and of children under 16 years of age.

Of the 43 industries for which separate figures are given in this table, 26 show an increase from 1909 to 1914 in the proportion of males 16 years of age and over; 18 an increase in the proportion of females 16 years of age and over; and 8 an increase in the proportion of children under 16 years of age. The increase in the proportion of children, however, is very small, in no industry amounting to more than 1 per cent.

The industries in which women greatly predominate are the manufacture of fancy and paper boxes; men's and women's clothing; confectionery; corsets; men's furnishing goods; hosiery and knit goods; and millinery. The largest proportion, 9.9 per cent, of wage earners under 16 years of age is shown for the fancy and paper box industry, while the largest actual number (600) was employed in the manufacture of men's clothing.

Table 6

INDUSTRY.	Census year.	WAGE EARNERS. Average number.[1]	Per cent of total. 16 years of age and over. Male.	Female.	Under 16 years of age.
All industries	1914	506,943	82.5	16.4	1.1
	1909	465,764	82.2	16.3	1.5
	1904	379,436	82.8	15.9	1.3
Agricultural implements	1914	19,556	98.9	1.0	0.1
	1909	19,240	98.7	1.2	0.1
Automobiles, including bodies and parts	1914	2,545	98.7	1.3	(2)
	1909	2,382	98.6	1.4	.....
Boots and shoes, including cut stock and findings.	1914	6,397	60.3	37.3	2.5
	1909	5,792	61.2	33.0	5.8
Boxes, fancy and paper	1914	4,586	42.4	47.7	9.9
	1909	4,085	34.2	55.7	10.0
Bread and other bakery products	1914	10,404	75.4	23.5	1.1
	1909	8,611	79.4	19.3	1.3
Brick, tile, pottery, and other clay products.	1914	8,610	99.5	0.3	0.3
	1909	9,731	99.1	0.4	0.5
Canning and preserving	1914	2,560	61.4	37.1	1.4
	1909	2,383	48.6	48.0	3.4
Carriages and wagons and materials	1914	4,861	98.5	1.5	(2)
	1909	5,852	98.1	1.7	0.2
Cars and general shop construction and repairs by steam-railroad companies.	1914	28,682	99.9	0.1	(2)
	1909	23,131	99.8	0.2	(2)
Cars, steam-railroad, not including operations of railroad companies.	1914	18,000	99.7	0.3	.....
	1909	10,945	99.6	0.4	.....
Clocks and watches, including cases and materials.	1914	5,688	53.9	44.7	1.5
	1909	5,665	55.0	44.4	0.6
Clothing, men's, including shirts	1914	35,119	46.0	52.3	1.7
	1909	36,152	47.0	50.3	2.8
Clothing, women's	1914	8,113	30.9	67.6	1.5
	1909	6,151	31.1	67.4	1.5
Confectionery	1914	5,009	39.2	53.4	7.4
	1909	3,799	34.4	58.9	6.7
Copper, tin, and sheet-iron products	1914	7,445	81.9	17.3	0.8
	1909	7,473	85.3	13.0	1.7
Cordage and twine and jute and linen goods.	1914	2,460	67.9	32.0	(2)
	1909	1,799	44.2	52.8	3.0
Corsets	1914	1,974	9.5	86.3	4.3
	1909	1,502	7.0	84.4	8.6
Electrical machinery, apparatus, and supplies.	1914	16,483	78.8	20.9	0.3
	1909	9,641	75.3	24.3	0.5
Flour-mill and gristmill products	1914	2,398	99.3	0.5	0.1
	1909	2,464	99.3	0.6	0.1
Foundry and machine-shop products	1914	55,261	96.7	2.8	0.5
	1909	52,266	97.2	2.4	0.4
Furnishing goods, men's	1914	2,775	12.6	83.1	4.4
	1909	2,688	12.4	84.2	3.4
Furniture and refrigerators	1914	13,766	96.8	2.1	1.0
	1909	13,575	96.4	2.3	1.3
Gas and electric fixtures and lamps and reflectors.	1914	2,078	82.7	14.7	2.6
	1909	2,090	78.2	19.6	2.2
Gas, illuminating and heating	1914	3,890	100.0	.....	.....
	1909	6,301	100.0	.....	.....
Glass	1914	3,764	95.8	4.0	0.2
	1909	3,507	90.7	4.6	4.7
Hosiery and knit goods	1914	3,535	31.2	66.5	2.3
	1909	2,913	29.9	63.3	6.8
Iron and steel, steel works and rolling mills.	1914	15,408	99.9	0.1	(2)
	1909	17,584	99.8	0.1	0.1
Leather goods	1914	2,325	85.7	13.2	1.1
	1909	2,949	86.5	12.3	1.1
Leather, tanned, curried, and finished	1914	2,678	99.3	0.6	0.1
	1909	3,001	99.8	0.2	.....
Liquors, malt	1914	5,749	98.9	0.8	0.3
	1909	4,398	98.0	1.4	0.6
Lumber and timber products	1914	14,870	97.9	1.5	0.6
	1909	16,567	98.0	0.8	1.1
Marble and stone work	1914	1,975	99.6	0.4	.....
	1909	2,226	99.8	(2)	0.2
Millinery and lace goods	1914	3,323	25.0	72.9	2.2
	1909	3,328	18.8	75.4	5.8
Musical instruments, pianos and organs and materials.	1914	8,334	90.8	8.0	1.2
	1909	8,777	91.0	5.5	3.5
Paints and varnishes	1914	2,110	89.9	10.0	0.1
	1909	1,792	89.0	10.3	0.8
Printing and publishing	1914	32,838	74.7	22.4	2.8
	1909	28,644	74.1	23.3	2.6
Signs and advertising novelties	1914	2,176	76.1	21.7	2.2
	1909	1,290	69.8	26.0	4.2
Slaughtering and meat packing	1914	31,627	89.8	10.0	0.2
	1909	26,705	88.8	11.0	0.1
Smelting and refining, zinc	1914	3,573	99.3	0.1	0.7
	1909	1,922	99.3	.....	0.7
Soap	1914	2,144	70.8	25.4	3.9
	1909	2,188	69.7	24.9	5.4
Stoves and furnaces, including gas and oil stoves.	1914	3,917	98.7	0.3	1.0
	1909	4,499	99.2	(2)	0.8
Tobacco manufactures	1914	7,653	67.7	30.0	2.4
	1909	8,034	69.1	28.9	2.0
Wire	1914	2,763	99.2	0.8	.....
	1909	2,516	98.6	1.4	.....
All other industries	1914	87,521	83.3	15.4	1.3
	1909	79,206	81.9	16.4	1.7

[1] For method of estimating the distribution, of the average number, by sex and age periods, for all industries combined, see "Explanation of terms."
[2] Less than one-tenth of 1 per cent.

Table 7 shows the average number and the per cent distribution of wage earners employed in each of the 35 cities having more than 10,000 inhabitants, classified according to age periods, and in the case of those 16 years of age and over, according to sex, for 1914, 1909, and 1904. Statistics for Cicero can not be shown without disclosing the operations of individual establishments.

Table 8 gives the percentages of increase from census to census, based on the figures in Table 7, for cities where per cent of increase can be computed.

While the proportion of male wage earners 16 years of age and over is greatly in excess of that for females 16 years of age and over in every city, the per cent that males form of the total number of wage earners decreased in 15 of the cities during the period 1909 to 1914. The only cities in which the proportion of adult males fell below 75 per cent were Centralia, Elgin, and Kankakee. Of these, Elgin is the only one in which a considerable number of females were employed, and the 2,180 women reported for 1914 were employed principally in the manufacture of watches and in the printing and publishing industry. Most of the cities show decreases from census to census in both the number and proportions of wage earners under 16 years of age.

In Chicago, by far the most important city in the state in the number of wage earners employed, males 16 years of age and over formed 78.7 per cent of the total number of wage earners reported at the censuses of 1914 and 1909. During this period there was a slight increase in the percentage of adult females and a decrease in that of children employed as wage earners.

Table 7

City.[1]	Average number of wage earners in manufacturing industries.												Per cent of total.								
	Total.			16 years of age and over.						Under 16 years of age.			16 years of age and over.						Under 16 years of age.		
				Male.			Female.						Male.			Female.					
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
Alton	2,662	2,429	3,069	2,527	2,247	2,866	122	124	120	13	58	83	94.9	92.5	93.4	4.6	5.1	3.9	0.5	2.4	2.7
Aurora	4,777	5,095	4,078	3,623	4,081	3,162	1,058	943	797	96	71	119	75.8	80.1	77.5	22.1	18.5	19.5	2.0	1.4	2.9
Belleville	2,450	1,872	1,765	1,997	1,662	1,618	387	139	69	66	71	78	81.5	88.8	91.7	15.8	7.4	3.9	2.7	3.8	4.4
Bloomington	2,384	2,077	2,275	2,149	1,767	1,921	220	266	345	15	44	9	90.1	85.1	84.4	9.2	12.8	15.2	0.6	2.1	0.4
Cairo	1,522	1,237	1,435	1,479	1,202	1,415	42	32	18	1	3	2	97.2	97.2	98.6	2.8	2.6	1.3	0.1	0.2	0.1
Canton	920	1,262	.....	804	1,143	.....	116	111	.....	.....	8	.....	87.4	90.6	.....	12.6	8.8	.....	.....	0.6	.....
Centralia	237	.....	.....	154	.....	.....	82	.....	.....	1	.....	.....	65.0	.....	.....	34.6	.....	.....	0.4	.....	.....
Champaign	382	273	289	331	253	275	50	14	12	1	6	2	86.6	92.7	95.2	13.1	5.1	4.2	0.3	2.2	0.7
Chicago	313,710	293,977	241,984	246,979	231,461	191,844	62,412	57,545	46,987	4,319	4,971	3,153	78.7	78.7	79.3	19.9	19.6	19.4	1.4	1.7	1.3
Chicago Heights	4,288	3,953	.....	4,104	3,830	.....	171	95	.....	13	28	.....	95.7	96.9	.....	4.0	2.4	.....	0.3	0.7	.....
Danville	2,109	1,744	1,884	1,929	1,605	1,769	160	127	101	20	12	14	91.5	92.0	93.9	7.6	7.3	5.4	0.9	0.7	0.7
Decatur	4,003	2,699	2,340	3,349	2,213	2,057	484	402	234	170	84	49	83.7	82.0	87.9	12.1	14.9	10.0	4.2	3.1	2.1
East St. Louis	5,863	[2] 5,226	4,505	5,750	[2] 5,006	4,258	95	[2] 156	143	18	[2] 64	104	98.1	95.8	94.5	1.6	3.0	3.2	0.3	1.2	2.3
Elgin	5,529	[2] 6,067	4,885	3,277	[2] 3,618	2,865	2,180	[2] 2,353	1,934	72	[2] 96	86	59.3	59.6	58.6	39.4	38.8	39.6	1.3	1.6	1.8
Evanston	924	837	738	899	754	721	24	82	15	1	1	2	97.3	90.1	97.7	2.6	9.8	2.0	0.1	0.1	0.3
Freeport	2,566	2,853	1,516	2,372	2,585	1,438	173	245	75	21	23	3	92.4	90.6	94.9	6.7	8.6	4.9	0.8	0.8	0.2
Galesburg	1,362	1,435	1,447	1,212	1,266	1,234	147	186	200	3	13	13	89.0	86.4	85.3	10.8	12.7	13.8	0.2	0.9	0.9
Granite City	5,090	.....	.....	4,859	.....	.....	226	.....	.....	5	.....	.....	95.5	.....	.....	4.4	.....	.....	0.1	.....	.....
Jacksonville	932	947	899	739	700	685	177	234	208	16	13	6	79.3	73.9	76.2	19.0	24.7	23.1	1.7	1.4	0.7
Joliet	4,999	6,383	5,792	4,443	5,834	5,507	552	523	273	4	26	12	88.9	91.4	95.1	11.0	8.2	4.7	0.1	0.4	0.2
Kankakee	1,430	1,349	1,038	989	938	935	389	348	91	52	63	12	69.2	69.5	90.1	27.2	25.8	8.8	3.6	4.7	1.2
Kewanee	2,837	.....	.....	2,462	.....	.....	348	.....	.....	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
La Salle	1,214	[2] 936	1,197	1,179	[2] 909	1,146	8	9	30	27	18	21	97.1	97.1	95.7	0.7	1.0	2.5	2.2	1.9	1.8
Lincoln	239	220	236	220	204	224	17	15	11	2	1	1	92.1	92.7	94.9	7.1	6.8	4.7	0.8	0.5	0.4
Mattoon	735	948	1,022	697	916	966	38	32	54	.....	.....	2	94.8	96.6	94.5	5.2	3.4	5.3	.....	.....	0.2
Moline	5,053	[2] 5,387	3,987	4,854	[2] 5,170	3,901	170	[2] 175	71	29	[2] 42	15	96.1	96.0	97.8	3.4	3.2	1.8	0.6	0.8	0.4
Oak Park	268	282	.....	253	276	.....	15	6	.....	.....	.....	.....	94.4	97.9	.....	5.6	2.1	.....	.....	.....	.....
Pekin	634	.....	.....	598	.....	.....	35	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Peoria	6,285	5,981	5,834	5,182	5,213	5,274	972	722	492	131	46	68	82.5	87.2	90.4	15.5	12.1	8.4	2.1	0.8	1.2
Quincy	3,967	[2] 3,997	4,602	2,523	[2] 3,223	3,807	493	[2] 714	712	51	60	83	82.3	80.6	82.7	16.1	17.9	15.5	1.7	1.5	1.8
Rock Island	1,837	1,754	1,703	1,690	1,596	1,605	141	112	89	6	46	9	92.0	91.0	94.2	7.7	6.4	5.2	0.3	2.6	0.5
Rockford	10,472	9,309	7,239	8,654	7,615	5,863	1,767	1,499	1,244	51	195	132	82.6	81.8	81.0	16.9	16.1	17.2	0.5	2.1	1.8
Springfield	4,157	3,652	3,071	3,312	2,920	2,517	813	688	533	32	44	21	79.7	80.0	82.0	19.6	18.8	17.4	0.8	1.2	0.7
Streator	1,763	1,275	1,541	1,626	1,109	1,417	122	108	17	15	58	110	92.2	87.0	91.8	6.9	8.5	1.1	0.9	4.5	7.1
Waukegan	2,276	[2] 2,956	2,265	2,098	[2] 2,741	2,169	160	[2] 196	86	9	19	10	92.2	92.7	95.8	7.4	6.6	3.8	0.4	0.6	0.4

[1] Statistics for Cicero can not be shown without disclosure of individual operations.
[2] Figures do not agree with those published, because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

Table 8

City.	Per cent of increase in average number of wage earners.[1]				
	Period.	Total.	16 years of age and over.		Under 16 years of age.
			Male.	Female.	
Alton	1904-1914	−13.3	−11.8	1.7	.....
	1909-1914	9.6	12.5	−1.6	.....
	1904-1909	−20.9	−21.6	3.3	.....
Aurora	1904-1914	17.1	14.6	32.7	−19.3
	1909-1914	−6.2	−11.2	12.2	.....
	1904-1909	24.9	29.1	18.3	−40.3
Belleville	1904-1914	38.8	23.4	.....	.....
	1909-1914	30.9	20.2	178.4	.....
	1904-1909	6.1	2.7	.....	.....
Bloomington	1904-1914	4.8	11.9	−36.2	.....
	1909-1914	14.8	21.6	−17.3	.....
	1904-1909	−8.7	−8.0	−22.9	.....
Cairo	1904-1914	6.1	4.5	.....	.....
	1909-1914	23.0	23.0	.....	.....
	1904-1909	−13.8	−15.1	.....	.....
Canton	1909-1914	−27.1	−29.7	4.5	.....
Champaign	1904-1914	32.2	20.4	.....	.....
	1909-1914	39.9	30.8	.....	.....
	1904-1909	−5.5	−8.0	.....	.....
Chicago	1904-1914	29.6	28.7	32.8	37.0
	1909-1914	6.7	6.7	8.5	−13.1
	1904-1909	21.5	20.7	22.5	57.7
Chicago Heights	1909-1914	8.5	7.2	.....	.....
Danville	1904-1914	11.9	9.0	58.4	.....
	1909-1914	20.9	20.2	26.0	.....
	1904-1909	−7.4	−9.3	25.7	.....
Decatur	1904-1914	71.1	62.8	106.8	.....
	1909-1914	48.3	51.3	20.4	.....
	1904-1909	15.3	7.6	71.8	.....
East St. Louis	1904-1914	30.1	35.0	−33.6	−82.7
	1909-1914	12.2	14.9	−39.1	.....
	1904-1909	16.0	17.6	9.1	−38.5
Elgin	1904-1914	13.2	14.4	12.7	.....
	1909-1914	−8.9	−9.4	−7.4	.....
	1904-1909	24.2	26.3	21.7	.....
Evanston	1904-1914	25.2	24.7	.....	.....
	1909-1914	10.4	19.2	.....	.....
	1904-1909	13.4	4.6	.....	.....
Freeport	1904-1914	69.3	65.0	.....	.....
	1909-1914	−10.1	−8.2	−29.4	.....
	1904-1909	88.2	79.8	.....	.....
Galesburg	1904-1914	−5.9	−1.8	−26.5	.....
	1909-1914	−7.0	−4.3	−21.0	.....
	1904-1909	1.2	2.6	−7.0	.....

[1] A minus sign (−) denotes decrease; per cent not shown where base is less than 100.

Table 8—Continued

City.	Period.	Per cent of increase in average number of wage earners.[1] Total.	16 years of age and over. Male.	16 years of age and over. Female.	Under 16 years of age.
Jacksonville	1904-1914	3.7	7.9	−14.9	.....
	1909-1914	−1.6	5.6	−24.4	.....
	1904-1909	5.3	2.2	12.5	.....
Joliet	1904-1914	−13.7	−19.3	102.2	.....
	1909-1914	−21.7	−23.8	5.5	.....
	1904-1909	10.2	5.9	91.6	.....
Kankakee	1904-1914	37.8	5.8	.....	.....
	1909-1914	6.0	5.4	11.8	.....
	1904-1909	30.0	0.3	.....	.....
La Salle	1904-1914	1.4	2.9	.....	.....
	1909-1914	29.7	29.7	.....	.....
	1904-1909	−21.8	−20.7	.....	.....
Lincoln	1904-1914	1.3	−1.8	.....	.....
	1909-1914	8.6	7.8	.....	.....
	1904-1909	−6.8	−8.9	.....	.....
Mattoon	1904-1914	−28.1	−27.8	.....	.....
	1909-1914	−22.5	−23.9	.....	.....
	1904-1909	−7.2	−5.2	.....	.....
Moline	1904-1914	26.7	24.4	.....	.....
	1909-1914	−6.2	−6.1	−2.9	.....
	1904-1909	35.1	32.5	.....	.....
Oak Park	1909-1914	−5.0	−8.3	.....	.....
Peoria	1904-1914	7.7	−1.7	97.6	.....
	1909-1914	5.1	−0.6	34.6	.....
	1904-1909	2.5	−1.2	46.7	.....
Quincy	1904-1914	−33.4	−33.7	−30.8	.....
	1909-1914	−23.3	−21.7	−31.0	.....
	1904-1909	−13.1	−15.3	0.3	.....
Rock Island	1904-1914	7.9	5.3	.....	.....
	1909-1914	4.7	5.9	25.9	.....
	1904-1909	3.0	−0.6	.....	.....
Rockford	1904-1914	44.7	47.6	42.0	−61.4
	1909-1914	12.5	13.6	17.9	−73.8
	1904-1909	28.6	29.9	20.5	47.7
Springfield	1904-1914	35.4	31.6	52.5	.....
	1909-1914	13.8	13.4	18.2	.....
	1904-1909	18.9	16.0	29.1	.....
Streator	1904-1914	14.2	14.7	.....	−86.4
	1909-1914	38.3	46.6	13.0	.....
	1904-1909	−17.4	−21.7	.....	−47.3
Waukegan	1904-1914	0.5	−3.3	.....	.....
	1909-1914	−23.0	−23.5	−13.8	.....
	1904-1909	30.5	26.4	.....	.....

[1] A minus sign (−) denotes decrease; per cent not shown where base is less than 100.

Wage earners employed, by months.—The following table gives, for all industries combined, the total number of wage earners employed on the 15th of each month, or the nearest representative day, for 1914 and 1909, and the average number employed during each month in 1904, together with the percentage which the number reported for each month forms of the greatest number reported for any month.

Table 9

Month.	Wage earners in manufacturing industries. Number.[1] 1914	1909	1904	Per cent of maximum. 1914	1909	1904
January	517,634	438,594	363,825	99.2	88.0	92.5
February	518,292	442,881	374,424	99.3	88.8	95.2
March	521,752	452,563	386,521	100.0	90.8	98.3
April	514,505	455,145	389,274	98.6	91.3	99.0
May	508,665	454,995	389,346	97.5	91.2	99.0
June	512,246	459,375	379,689	98.2	92.1	96.6
July	505,982	454,410	357,587	97.0	91.1	90.9
August	502,603	460,114	364,626	96.3	92.3	92.7
September	504,543	481,796	383,153	96.7	96.6	97.4
October	505,655	493,928	393,202	96.9	99.1	100.0
November	488,164	496,452	386,024	93.6	99.6	98.2
December	483,275	498,640	385,561	92.6	100.0	98.1

[1] The figures for 1914 and 1909 represent the number employed on the 15th of each month, or the nearest representative day; those for 1904, the average number employed during the month.

For 1914 January, February, and March show the greatest activity in the combined industries of the state, the maximum number of wage earners appearing for March and the minimum for December. In 1909 the greatest number of wage earners were employed in December and the least in January, while in 1904, the maximum month was October and the minimum July. The greatest difference between the maximum and minimum months in any one of the three census years, was 60,046 in 1909.

Table 10 gives the total average number of wage earners employed during 1914, together with the total number employed on the 15th of each month, or the nearest representative day, for the combined industries of the state, for a number of selected industries, and for the total industries of each of the 35 cities having more than 10,000 inhabitants.

The majority of the industries, for which separate figures are given in Table 10, show the stability of employment during 1914. For 15 of them there was a variation of less than 10 per cent between the numbers reported for the months of maximum and minimum employment and for 9 other industries the variation was less than 20 per cent. The manufacture of clocks and watches, including cases and materials, furnishes constant employment to almost the entire number of wage earners engaged in the industry, the minimum forming 97.6 per cent of the maximum.

Some of the industries, however, show a great variation in the number employed at different times during the year. Of the selected industries, canning and preserving, shows the greatest degree of fluctuation, the number of wage earners in February being but 23.6 per cent of the number in September, when the canning season is at its height. Of the cities, Canton shows the widest variation between the months of greatest and least employment, the proportion that the minimum formed of the maximum for this city being 28.4 per cent.

The greatest stability of employment is shown in Elgin, where the proportion the minimum formed of the maximum number was 96.3 per cent. Chicago and Springfield also show a small degree of fluctuation, the corresponding proportion being 94.3 per cent and 9.46 per cent. respectively.

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WAGE EARNERS: 1914.
[Month of maximum employment for each industry is indicated by boldface figures and that of minimum by *italic* figures.]

NDUSTRY AND CITY.	Average number employed during year.	Number employed on 15th day of the month or nearest representative day.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
industries	506,943	517,634	518,292	521,752	514,505	508,665	512,246	505,982	502,603	504,513	505,655	488,164	*483,275*	92.6
ral implements	19,556	**26,217**	25,770	23,011	21,240	19,940	18,944	17,991	12,695	*12,338*	17,147	19,578	19,801	47.1
iles, including bodies and	2,545	*2,259*	2,337	2,552	2,795	**2,942**	2,815	2,535	2,487	2,472	2,461	2,538	2,347	76.8
l shoes, including cut stock	6,397	6,203	6,275	6,420	*6,168*	6,459	6,593	**6,769**	6,614	6,471	6,383	6,182	6,227	91.1
dings	4,586	**4,779**	4,662	4,603	4,453	*4,450*	4,537	4,569	4,522	4,650	4,685	4,588	4,534	93.1
ncy and paper	10,404	*9,779*	9,950	10,187	10,332	10,465	10,538	10,636	10,572	10,542	**10,737**	10,627	10,483	91.1
d other bakery products														
le, pottery, and other clay	8,610	6,928	*6,258*	6,620	7,545	8,463	10,232	10,386	**10,694**	10,261	9,372	8,732	7,831	58.5
is	2,560	1,370	*1,367*	1,430	1,475	1,732	3,044	2,712	4,703	**5,735**	3,652	1,997	1,453	23.6
and preserving	4,861	5,252	5,387	5,406	5,309	5,068	4,839	4,668	4,682	4,625	4,393	*4,309*	4,394	79.7
and wagons and materials														
general shop construction														
airs by steam-railroad com-	28,682	28,321	28,232	28,051	*27,312*	27,351	27,911	29,428	29,805	**30,231**	30,000	29,412	28,130	90.3
am-railroad, not including														
ons of railroad companies	18,000	20,104	17,102	16,751	*15,057*	15,151	16,987	17,695	**21,460**	19,660	21,297	17,093	16,743	70.2
d watches, including cases														
terials	5,688	5,740	5,732	**5,744**	5,701	5,684	5,685	5,653	5,698	5,706	5,664	5,640	*5,609*	97.6
men's, including shirts	35,119	35,056	36,129	36,169	35,714	35,930	36,239	34,746	34,236	34,335	34,469	*34,018*	34,387	93.9
women's	8,113	*7,203*	8,185	8,686	8,843	7,996	7,260	7,297	7,862	**8,787**	9,153	8,525	7,559	78.7
nery	5,009	4,768	4,631	4,721	4,578	4,666	4,466	*4,399*	4,829	5,635	**5,929**	5,708	5,778	74.2
in, and sheet-iron products	7,445	*7,009*	7,033	7,643	**7,903**	**7,903**	7,775	7,451	7,631	7,677	7,249	7,046	7,020	88.7
l machinery, apparatus, and														
s	16,483	**18,186**	18,133	17,780	17,350	17,025	16,751	16,419	16,194	15,969	15,415	14,556	*14,018*	77.1
ll and gristmill products	2,398	*2,297*	2,350	2,351	2,403	2,352	2,324	2,427	**2,490**	2,482	2,443	2,426	2,431	92.2
and machine-shop products	55,261	57,122	57,427	**58,206**	58,050	57,405	56,427	56,361	55,873	54,005	52,243	50,277	*49,736*	85.4
ng goods, men's	2,775	2,746	2,769	**2,858**	2,723	*2,672*	2,683	2,837	2,802	2,835	2,796	2,801	2,778	93.5
e and refrigerators	13,766	13,783	14,120	**14,425**	14,341	14,203	13,833	*13,119*	13,388	13,646	13,734	13,450	13,150	90 9
electric fixtures and lamps														
flectors	2,078	**2,257**	2,245	2,148	2,108	2,091	1,963	1,917	*1,914*	1,978	2,111	2,126	2,078	84.8
minating and heating	3,890	*3,353*	3,410	3,462	4,310	**4,507**	4,286	4,046	4,488	3,916	3,977	3,450	3,475	74.4
	3,764	**4,337**	4,320	4,206	4,288	3,967	4,029	3,310	2,713	*2,694*	3,448	3,895	3,961	62.1
and knit goods	3,535	3,629	3,644	3,639	3,642	3,582	3,543	3,400	*3,308*	3,350	3,545	3,482	3,656	90.5
steel, steel works and rolling														
	15,408	16,551	16,814	**17,644**	17,380	16,191	16,357	15,629	15,427	16,041	13,975	11,728	*11,159*	63.2
goods	2,325	2,314	2,401	2,404	**2,412**	2,354	2,324	2,283	2,259	2,282	2,326	2,320	*2,221*	92.1
tanned, curried, and finished	2,678	2,833	**2,847**	2,814	2,680	2,762	2,689	2,684	2,599	*2,455*	2,470	2,601	2,702	86.2
malt	5,749	5,461	*5,453*	5,459	5,542	5,747	6,237	**6,246**	6,184	5,885	5,701	5,561	5,512	87.3
and timber products	14,870	14,789	14,680	15,355	15,412	15,324	15,684	**15,815**	15,196	14,822	14,403	13,709	*13,251*	83.8
and lace goods	3,323	3,650	4,253	**4,294**	3,846	2,765	*2,379*	2,659	3,490	3,557	2,792	2,841	3,350	55.4
instruments, pianos and or-														
nd materials	8,334	8,545	8,757	8,819	**8,839**	8,465	8,361	8,153	8,132	8,218	7,972	7,924	*7,823*	88.5
nd varnishes	2,110	2,167	2,250	2,298	**2,328**	2,319	2,205	2,011	1,940	1,996	1,971	*1,903*	1,932	81.7
and publishing	32,838	32,717	32,883	**33,525**	32,696	32,496	32,943	32,966	32,910	33,219	32,603	*32,457*	32,641	96.8
ring and meat packing	31,627	33,926	33,035	31,886	29,153	*28,561*	30,280	29,565	28,845	31,302	34,029	33,280	**35,662**	80.1
g and refining, zinc	3,573	3,480	3,515	3,600	3,568	3,567	3,555	*3,468*	3,524	3,602	3,609	3,605	3,783	91.7
	2,144	2,198	2,215	**2,227**	2,196	2,143	2,139	2,142	2,089	2,116	2,102	2,089	*2,072*	93.0
and furnaces, including gas														
l stoves	3,917	3,399	3,828	4,141	**4,458**	4,431	4,352	**2,712**	3,750	3,906	4,091	3,647	*3,289*	73.8
manufactures	7,653	7,679	7,695	7,615	*7,532*	7,566	7,607	7,534	7,576	7,700	**7,796**	7,782	7,754	96.6
r industries	98,869	99,227	100,200	102,602	**102,823**	101,970	101,430	100,344	97,022	97,392	97,512	93,361	*92,545*	90.0
otal for cities [1]	408,976	418,517	421,294	**423,736**	416,447	409,982	409,955	403,708	400,360	403,132	408,276	397,159	*395,146*	93.3
	2,662	2,997	2,907	**3,042**	3,029	2,766	2,676	**2,371**	*2,379*	2,297	2,451	2,531	2,595	74.9
	4,777	4,953	4,975	5,011	**5,049**	5,044	5,032	4,868	4,847	4,344	4,503	4,397	*4,501*	85.2
LLE	2,450	*2,120*	2,381	2,480	2,517	2,510	2,599	2,532	**2,642**	2,578	2,484	2,328	2,199	80.2
NGTON	2,384	2,354	2,394	2,352	2,336	*2,245*	2,320	2,435	**2,524**	2,474	2,443	2,415	2,316	88.9
	1,522	1,604	1,600	1,732	**1,764**	1,725	1,748	1,757	1,277	1,454	1,306	*1,113*	1,184	63.1
	920	1,689	**1,747**	1,065	620	561	497	502	623	725	831	1,021	1,159	28.4
LIA	237	230	222	234	218	241	240	240	249	**255**	248	*221*	226	86.7
IGN	382	*311*	319	337	364	392	**425**	**425**	415	423	406	387	380	73.2
	313,710	319,741	322,463	**323,852**	317,311	313,745	314,685	310,170	*305,464*	308,646	315,356	306,967	306,120	94.3
D HEIGHTS	4,288	4,217	4,278	4,407	**4,609**	4,502	4,376	4,402	*3,754*	3,946	4,533	4,026	4,406	81.4
LE	2,109	2,473	**2,498**	1,998	1,868	*1,837*	1,881	2,166	2,239	2,159	2,092	2,016	2,081	73.5
JR	4,003	3,913	3,913	4,080	4,165	4,028	**4,223**	4,052	4,002	4,017	4,004	3,892	*3,747*	88.7
r. LOUIS	5,863	6,055	5,758	5,814	5,964	6,018	6,093	6,000	6,078	**6,227**	5,852	5,433	*5,064*	81.3
	5,529	5,591	5,570	5,627	5,514	5,513	**5,634**	5,482	*5,425*	5,582	5,478	5,467	5,465	96.3
ION	924	931	902	913	945	*859*	887	910	**978**	970	953	938	902	87.8
DET	2,566	2,756	**2,854**	2,819	2,714	2,626	2,537	2,417	2,547	2,597	2,412	*2,188*	2,325	76.7
BURG	1,362	1,369	1,370	1,389	1,405	1,334	1,308	1,371	1,404	**1,409**	1,378	1,341	*1,275*	90.5
E CITY	5,090	5,567	5,493	**6,104**	6,098	5,123	4,886	3,864	5,420	5,760	4,605	4,336	*3,824*	62.6
NVILLE	932	950	922	918	921	901	936	970	981	**992**	945	891	*857*	86.4
	4,999	4,819	5,048	5,438	**5,642**	5,580	5,200	5,074	4,987	4,768	4,722	4,524	*4,186*	74.2
AKEE	1,430	*1,244*	1,297	1,353	1,434	1,472	1,550	1,557	**1,558**	1,504	1,483	1,350	1,358	79.8
NEE	2,837	2,718	2,790	**3,065**	2,924	2,860	2,830	2,837	2,917	2,879	2,828	2,700	*2,696*	88.0
LE	1,214	1,164	*1,156*	1,182	1,193	1,188	1,218	1,212	1,234	**1,270**	1,248	1,247	1,256	91.0
N	239	254	239	235	229	239	230	215	256	257	**258**	215	*211*	81.8
ON	735	**928**	889	885	675	684	680	681	673	706	702	*653*	664	70.4
E	5,053	**6,237**	6,209	5,802	5,336	4,847	4,012	*3,694*	4,432	4,536	4,691	5,451	5,389	59.2
ARK	268	*255*	*255*	268	260	267	273	**288**	274	269	270	272	265	88.5
	634	619	762	732	733	685	526	*443*	554	744	515	516	779	56.9
A	6,285	6,092	6,105	6,257	6,225	6,380	**6,620**	**6,966**	6,855	6,298	6,078	5,964	*5,580*	80.1
Y	3,067	2,874	*2,694*	2,996	3,269	3,207	**3,280**	3,162	3,219	3,129	3,114	3,001	2,839	82.1
ISLAND	1,837	2,055	**2,076**	1,917	1,802	1,747	1,738	1,717	1,822	1,761	1,863	1,836	*1,710*	82.4
ORD	10,472	**11,070**	10,864	10,922	10,823	10,386	10,157	10,306	*10,143*	10,235	10,337	10,239	10,182	91.6
FIELD	4,157	**4,281**	4,164	4,236	4,124	4,206	4,085	4,157	4,147	4,157	4,131	*4,048*	4,148	94.6
TOR	1,763	1,720	1,750	1,825	1,886	1,866	**2,037**	2,034	1,790	*1,377*	1,477	1,705	1,689	67.6
EGAN	2,276	2,375	2,430	2,449	2,451	2,368	**2,536**	2,401	2,351	2,387	2,286	*1,550*	1,748	60.3

[1] Statistics for Cicero can not be shown without disclosure of individual operations.

Prevailing hours of labor.—In Table 11 the average number of wage earners reported, for 1914 and 1909, for all industries combined and for selected industries throughout the state, have been classified according to the number of hours of labor per week prevailing in the establishments in which they were employed. A similar classification is given for 1914 only, for all industries combined in each city having more than 10,000 inhabitants. The number employed in each establishment is classified as a total, even though a few employees worked a greater or less number of hours.

Table 11

INDUSTRY AND CITY.	Census year.	AVERAGE NUMBER OF WAGE EARNERS.								
		Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
All industries	1914	506,943	79,601	99,322	113,574	102,074	88,238	16,676	4,831	2,627
	1909	465,764	55,055	50,781	120,236	95,908	106,090	10,222	12,389	15,083
Agricultural implements	1914	19,556	1,197	730	566	13,752	3,311	.....	.....	.....
	1909	19,240	.....	.....	386	13,664	5,077	113	.....	.....
Automobiles, including bodies and parts	1914	2,545	183	539	833	897	93	.....	.....	.....
	1909	2,382	46	250	994	363	713	16	.....	.....
Boots and shoes, including cut stock and findings	1914	6,397	33	195	1,395	4,525	249	.....	.....	.....
	1909	5,792	6	57	673	3,956	1,100	.....	.....	.....
Boxes, fancy and paper	1914	4,586	414	843	846	2,145	159	179	.....	.....
	1909	4,085	72	1,412	893	1,348	281	79	.....	.....
Bread and other bakery products	1914	10,404	964	2,046	4,678	480	2,064	147	24	1
	1909	8,611	673	609	4,243	711	1,821	376	132	46
Brick, tile, pottery, and other clay products	1914	8,610	2,089	1,621	1,763	633	2,154	350	.....	.....
	1909	9,731	2,862	27	1,632	1,463	3,697	50	.....	.....
Canning and preserving	1914	2,560	21	111	205	980	1,238	5	.....	.....
	1909	2,383	61	153	74	276	1,672	.....	109	38
Carriages and wagons and materials	1914	4,861	434	240	922	2,487	778	.....	.....	.....
	1909	5,852	114	82	1,133	3,077	1,442	.....	4	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	28,682	5,863	6,491	11,236	104	1,551	3,187	.....	250
	1909	23,131	374	1,605	13,329	578	2,378	4,785	.....	82
Cars, steam-railroad, not including operations of railroad companies.	1914	18,000	.....	1,009	12,949	1,115	2,927	.....	.....	.....
	1909	10,945	3	530	5,926	2,520	1,953	.....	.....	13
Clocks and watches, including cases and materials	1914	5,688	2	3,932	1,707	47	.....	.....	.....	.....
	1909	5,665	1	4,328	634	663	39	.....	.....	.....
Clothing, men's, including shirts	1914	35,119	7,481	19,657	5,077	2,674	229	.....	1	.....
	1909	36,152	6,043	4,503	13,619	10,400	1,587	.....	.....	.....
Clothing, women's	1914	8,113	671	4,363	2,213	815	51	.....	.....	.....
	1909	6,151	649	3,256	1,563	594	89	.....	.....	.....
Confectionery	1914	5,009	178	638	1,455	1,679	1,033	22	.....	4
	1909	3,799	154	390	619	1,259	1,376	1	.....	.....
Copper, tin, and sheet-iron products	1914	7,445	1,586	602	1,193	3,366	698	.....	.....	.....
	1909	7,473	1,506	129	1,144	3,136	1,473	85	.....	.....
Electrical machinery, apparatus, and supplies	1914	16,483	352	14,680	750	687	14	.....	.....	.....
	1909	9,641	186	8,172	734	453	90	.....	.....	6
Flour-mill and gristmill products	1914	2,398	97	4	111	82	1,294	406	404	.....
	1909	2,464	310	50	24	19	1,229	331	471	30
Foundry and machine-shop products	1914	55,261	3,482	7,869	20,328	15,236	8,319	26	1	.....
	1909	52,266	785	3,431	22,321	13,972	11,054	26	.....	677
Furnishing goods, men's	1914	2,775	647	737	1,249	101	41	.....	.....	.....
	1909	2,688	1,140	655	120	741	32	.....	.....	.....
Furniture and refrigerators	1914	13,766	928	1,773	4,614	2,694	3,757	.....	.....	.....
	1909	13,575	216	708	5,617	805	6,229	.....	.....	.....
Gas and electric fixtures and lamps and reflectors	1914	2,078	120	248	1,164	406	140	.....	.....	.....
	1909	2,090	56	445	1,332	238	19	.....	.....	.....
Gas, illuminating and heating	1914	3,890	15	.....	100	2,801	125	307	.....	542
	1909	6,301	7	.....	3	138	562	144	8	5,439
Glass	1914	3,764	180	1,203	663	1,398	320	.....	.....	.....
	1909	3,507	94	957	80	.....	676	.....	240	1,460
Hosiery and knit goods	1914	3,535	266	525	511	1,786	447	.....	.....	.....
	1909	2,913	83	553	78	1,320	879	.....	.....	.....
Iron and steel, steel works and rolling mills	1914	15,408	1,469	2,003	639	94	2,656	5,689	2,858	.....
	1909	17,584	.....	.....	2,763	1,142	3,230	247	10,074	128
Leather goods	1914	2,325	125	482	558	1,022	137	.....	1	.....
	1909	2,949	107	155	1,091	1,218	300	78	.....	.....
Leather, tanned, curried, and finished	1914	2,678	.....	102	78	2,138	360	.....	.....	.....
	1909	3,001	.....	313	57	1,197	1,434	.....	.....	.....
Liquors, malt	1914	5,749	5,066	193	354	114	22	.....	.....	.....
	1909	4,398	3,127	40	714	310	169	7	31	.....

›le 11—Continued. INDUSTRY AND CITY.	Census year.	AVERAGE NUMBER OF WAGE EARNERS. Total.	In establishments where the prevailing hours of labor per week were— 48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
ıber and timber products	1914	14,870	1,646	2,697	3,072	4,849	2,585	20	1	.....
	1909	16,567	870	461	4,882	5,231	5,087	3	1	32
inery and lace goods	1914	3,323	641	1,118	609	716	239	.....	.....	.....
	1909	3,328	557	1,348	688	626	109	.....	.....	.....
ical instruments, pianos and organs and materials	1914	8,334	318	1,768	3,814	1,804	630	.....	.....	.....
	1909	8,777	121	564	4,604	842	2,646	.....	.....	.....
ıts and varnishes	1914	2,110	49	433	358	1,053	182	35	.....	.....
	1909	1,792	152	217	148	982	281	12	.....	.....
ting and publishing	1914	32,838	24,447	5,181	2,608	312	200	.....	.....	.....
	1909	28,644	18,064	4,496	3,983	1,293	629	57	122	.....
ghtering and meat packing	1914	31,627	1,032	447	1,116	2,795	26,179	56	2	.....
	1909	26,705	2,900	45	1,143	57	22,557	3	.....	.....
lting and refining, zinc	1914	3,573	70	.....	.....	1,054	1,890	559	.....	.....
	1909	1,922	.....	.....	.....	702	698	522	.....	.....
)	1914	2,144	5	194	24	1,300	621	.....	.....	.....
	1909	2,188	8	95	19	49	2,015	.....	2	.....
'es and furnaces, including gas and oil stoves	1914	3,917	644	80	966	828	1,399	.....	.....	.....
	1909	4,499	430	53	1,107	811	2,098	.....	.....	.....
acco manufactures	1914	7,653	4,400	923	389	1,094	843	4	.....	.....
	1909	8,034	4,963	700	508	1,028	833	2	.....	.....
›ther industries	1914	98,869	12,486	13,645	22,371	22,011	19,303	5,684	1,539	1,830
	1909	88,539	8,315	9,992	21,358	18,726	18,536	3,285	1,195	7,132
Total for cities [1]	1914	408,976	69,693	81,497	97,862	82,802	60,481	11,138	3,822	1,681
ON	1914	2,662	135	141	184	1,521	595	84	.....	2
ORA	1914	4,777	697	1,090	1,817	395	756	8	.....	14
LEVILLE	1914	2,450	511	207	1,300	399	33	.....	.....	.....
OMINGTON	1914	2,384	335	31	292	180	113	1,382	.....	51
3O	1914	1,522	73	20	107	748	467	63	39	5
TON	1914	920	139	87	17	658	16	3	.....	.....
TRALIA	1914	237	56	.....	25	116	7	14	8	11
MPAGNE	1914	382	88	38	51	57	80	8	.....	60
CAGO	1914	313,710	54,334	67,035	80,985	60,110	43,683	5,760	1,360	434
CAGO HEIGHTS	1914	4,288	382	1,129	709	953	1,012	103	.....	.....
ıVILLE	1914	2,109	246	120	1,352	160	101	41	24	65
ATUR	1914	4,003	1,550	151	1,082	614	485	50	35	36
T ST. LOUIS	1914	5,863	397	307	1,550	412	2,007	1,091	77	22
IN	1914	5,529	578	3,559	827	335	220	.....	.....	10
NSTON	1914	924	106	34	111	647	18	3	.....	5
EPORT	1914	2,566	668	50	424	864	551	4	.....	5
ESBURG	1914	1,362	208	38	725	253	108	14	.....	16
NITE CITY	1914	5,090	1,462	2,019	15	1,027	560	7	.....	.....
KSONVILLE	1914	932	340	24	63	412	60	8	.....	25
IET	1914	4,999	653	349	118	554	704	44	1,958	619
NKAKEE	1914	1,430	158	120	179	765	184	14	2	8
WANEE	1914	2,837	24	761	407	1,590	47	.....	.....	8
SALLE	1914	1,214	53	4	10	.....	885	257	.....	5
COLN	1914	239	105	7	72	34	21	.....	.....	.....
TOON	1914	735	37	.....	551	11	93	6	.....	37
INE	1914	5,053	1,482	237	621	2,032	678	3	.....	.....
K PARK	1914	268	56	104	35	65	8	.....	.....	.....
IN	1914	634	78	1	88	2	454	.....	.....	11
ORIA	1914	6,285	1,647	346	842	1,191	1,775	131	237	116
NCY	1914	3,067	604	169	1,094	167	894	218	11	.....
CK ISLAND	1914	1,837	391	39	559	797	34	11	2	4
CKFORD	1914	10,472	879	947	986	4,503	2,963	97	22	75
INGFIELD	1914	4,157	934	1,322	297	933	538	66	35	32
EATOR	1914	1,763	252	978	325	100	75	28	.....	5
UKEGAN	1914	2,276	35	33	132	197	256	1,620	3	.....

[1] Statistics for Cicero can not be shown without disclosure of individual operations.

The figures in the preceding table emphasize the ıdency toward a shortening of the working day of ıge earners. In 1909, 143,784, or 30.9 per cent of e total average number of wage earners in all in-ıstries combined, were employed in establishments ıere the prevailing hours of labor were 60 or more r week, while but 112,372, or 22.2 per cent, were so nployed in 1914. On the other hand, the number of ıge earners in the establishments operating less than hours per week increased from 321,980 in 1909 to 4,571 in 1914, or from 69.1 per cent to 77.8 per cent of the total wage earners in the state in 1914. There was a marked increase during the five-year period in the proportion of wage earners employed 54 hours or less per week and a decided decrease in the proportion working 72 hours and over.

In the foundries and machine shops, the average number of wage earners employed 54 hours or less per week increased from 50.8 per cent of the total for the industry in 1909 to 57.3 per cent in 1914. The decrease in hours of labor in this industry is still further accentuated by the small number of wage earners in

shops operating 60 hours or more per week in 1914 as compared with 1909. Other industries showing a pronounced decrease in working hours are railroad repair shops, men's clothing, and printing and publishing.

Of the 408,967 wage earners reported for the 35 cities, of more than 10,000 inhabitants in 1914, 331,854, or 81.1 per cent, were in establishments where the prevailing hours were less than 60 per week, while 77,122, or 18.9 per cent, were in establishments in which the hours were 60 or more per week.

Location of establishments.—Table 12 shows, for 1914, 1909, and 1899, the extent to which the manufactures in Illinois were centralized in the cities of more than 10,000 inhabitants.

Table 12	Census year.	Aggregate.	Cities having a population of 10,000 or over.[1]								Districts outside of cities having a population of 10,000 or over.[2]	
			Total.		10,000 to 25,000.[1]		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places	1914	.....	35	.....	20	.....	14	.....	1	.....	.....	.....
	1910	.....	32	.....	20	.....	11	.....	1	.....	.....	.....
	1900	.....	25	.....	18	.....	6	.....	1	.....	.....	.....
Population [3]	1914	5,986,781	3,276,504	54.7	318,472	5.3	560,432	9.4	2,397,600	40.0	2,710,277	45.3
	1910	5,638,591	2,950,963	52.3	331,285	5.9	434,395	7.7	2,185,283	38.8	2,687,628	47.7
	1900	4,821,550	2,218,030	46.0	302,885	6.3	216,570	4.5	1,698,575	35.2	2,603,520	54.0
Number of establishments	1914	18,388	13,218	71.9	1,091	5.9	2,012	10.9	10,115	55.0	5,170	28.1
	1909	18,026	12,520	69.5	1,076	6.0	1,788	9.9	9,656	53.6	5,506	30.5
	1899	14,374	9,695	67.4	1,080	7.5	947	6.6	7,668	53.3	4,679	32.6
Average number of wage earners.	1914	506,943	408,976	80.7	33,807	6.7	61,459	12.1	313,710	61.9	97,967	19.3
	1909	465,764	379,100	81.4	32,893	7.1	52,230	11.2	293,977	63.1	86,664	18.6
	1899	332,871	279,322	83.9	31,372	9.4	26,759	8.0	221,191	66.4	53,549	16.1
Value of products	1914	$2,247,322,819	$1,843,239,978	82.0	$116,627,056	5.2	$243,114,506	10.8	$1,483,498,416	66.0	$404,082,841	18.0
	1909	1,919,276,594	1,592,407,931	83.0	109,948,749	5.7	201,288,001	16.5	1,281,171,181	66.8	326,868,663	17.0
	1899	1,120,868,308	957,089,720	85.3	59,860,869	5.3	99,349,710	8.9	797,879,141	71.2	163,778,588	14.6
Value added by manufacture	1914	907,139,412	757,599,917	83.5	52,843,874	5.8	123,191,021	13.6	581,565,022	64.1	149,539,495	16.5
	1909	758,349,904	640,926,356	84.5	45,869,113	6.0	104,494,815	13.8	490,562,423	64.7	117,423,548	15.5
	1899	439,418,186	378,306,775	86.1	29,120,558	6.6	53,529,477	12.2	295,656,740	67.3	61,111,411	13.9

[1] Statistics for Cicero can not be shown without disclosure of individual operations.
[2] Includes statistics for Cicero.
[3] Census estimate of population for 1914.

Table 12 shows that the increase in the manufactures of the state was general and extended to both the urban and rural districts. During the 15 years covered by the table the value of products for the urban districts, represented by the cities of 10,000 inhabitants or over, nearly doubled, while that reported for rural districts increased 146.7 per cent. The relative importance of the manufactures, as measured by average number of wage earners, value of products, and value added by manufacture, has increased for districts outside the cities, while the proportion of the cities as measured by these items has decreased. Comparisons for the cities or for the districts outside are affected by the increase in the population of cities. Centralia, Kewanee, Pekin, and Granite City, each had less than 10,000 inhabitants in 1909, and statistics for these cities were at that date, therefore, included with those for outside districts; while in 1914 they are classed with places having a population of 10,000 and over. Similar changes took place from 1900 to 1910, which make it impossible to show the same cities in the same group at each census.

The 35 cities, which contained 55 per cent of the estimated population of the state in 1914, reported 82 per cent of the total value of products and 80.7 per cent of the total average number of wage earners. The corresponding proportions for 1909 differed only lightly from those which obtained in 1914.

The relative importance in manufactures of each of the 35 cities having more than 10,000 inhabitants, as measured by the average number of wage earners and by value of products in 1914, 1909, and 1904, is shown in Table 13. Those for which comparative figures are not shown for 1909 and 1904 had less than 10,000 inhabitants in those years. Statistics for Cicero are omitted in order to avoid disclosure of individual operations.

In 10 of the cities shown in Table 13, there were increases in the average number of wage earners and in the value of products for each of the five-year periods 1904–1909 and 1909–1914. The other cities show fluctuations of increase and decrease in the two items at the same census periods.

Chicago is not only the most important manufacturing city in Illinois but, as measured by the value of products, ranks second only to New York among the cities of the United States. Its manufactures were valued at $1,483,498,416, and its industries furnished employment to an average of 313,710 wage earners in 1914. There were only four states besides Illinois—namely: New York, Pennsylvania, Massachusetts, and Ohio—which exceeded Chicago in total value of products in 1914. The average number of wage earners increased 6.7 per cent and the total value of products 15.8 per cent during the 1909–1914 period, as compared with 21.5 per cent and 34.1 per cent, respectively, for the preceding five-year period.

Table 13

CITY.[1]	AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
	1914	1909	1904	1914	1909	1904
Chicago	313,710	293,977	241,984	$1,483,498,416	$1,281,171,181	$955,036,277
Peoria	6,285	5,981	5,834	64,689,045	63,061,155	60,419,598
Joliet	4,999	6,383	5,792	30,091,415	38,816,523	32,897,110
East St. Louis	5,863	[2] 5,226	4,505	26,904,565	18,103,788	10,586,320
Rockford	10,472	9,309	7,239	26,371,219	22,265,740	15,276,129
Moline	5,053	[2] 5,387	3,987	19,925,106	20,063,848	13,158,429
Granite City	5,090	.....	.....	17,903,162	.....	.....
Chicago Heights	4,288	3,953	.....	14,485,569	10,839,268	.....
Alton	2,662	2,429	3,069	12,864,532	10,096,333	8,696,814
Waukegan	2,276	[2] 2,955	2,265	12,438,514	19,540,700	10,994,247
Decatur	4,003	2,699	2,340	11,957,406	9,767,988	8,667,302
Springfield	4,157	3,652	3,071	11,769,969	8,497,245	5,796,637
Aurora	4,777	5,095	4,078	10,789,383	10,954,175	7,329,028
Elgin	5,529	[2] 6,067	4,885	10,491,829	10,537,052	9,349,274
Pekin	634	.....	.....	9,609,500	.....	.....
Quincy	3,067	[2] 3,997	4,602	9,556,918	11,065,809	10,748,224
Freeport	2,566	2,853	1,516	7,446,977	7,811,277	3,169,302
Rock Island	1,837	1,754	1,703	6,487,859	5,386,776	5,332,967
Belleville	2,450	1,872	1,765	5,727,269	4,614,698	4,356,615
Kewanee	2,837	.....	.....	5,446,615	.....	.....
Danville	2,109	1,744	1,884	5,291,160	3,350,596	3,304,120
La Salle	1,214	[2] 936	1,197	5,245,780	4,327,551	3,158,173
Bloomington	2,384	2,077	2,275	4,803,808	4,867,930	5,777,060
Cairo	1,522	1,237	1,435	4,583,539	4,440,148	4,381,465
Evanston	924	837	738	3,984,824	3,778,298	2,550,529
Streator	1,763	1,275	1,544	3,886,617	2,137,252	1,888,894
Kankakee	1,430	1,349	1,038	3,193,020	2,723,171	2,089,143
Galesburg	1,362	1,465	1,447	3,192,129	2,919,091	2,217,772
Canton	920	1,262	.....	2,576,965	2,941,625	.....
Jacksonville	932	947	899	2,355,192	2,298,700	1,981,582
Oak Park	268	282	.....	1,555,083	1,117,697	.....
Mattoon	735	948	1,022	1,543,727	1,434,420	1,308,781
Champaign	382	273	289	1,244,696	846,489	486,229
Centralia	237	.....	.....	767,533	.....	.....
Lincoln	239	220	236	560,637	570,243	784,248

[1] Statistics for Cicero can not be shown without disclosure of individual operations.
[2] Figures do not agree with those published because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

The principal industries of Chicago for which statistics can be presented separately, arranged in the order of value of products, are shown in the following table, which gives the absolute and relative increase from 1909 to 1914, and also the percentage which the value of products for each industry represents of the corresponding total for the state.

Table 14

INDUSTRY.	CHICAGO—VALUE OF PRODUCTS: 1914.			
	Amount.	Per cent of industry total for the state.	Increase[1] over 1909.	
			Amount.	Per cent.
All industries	$1,483,498,416	66.0	$202,327,235	15.8
Slaughtering and meat packing	410,709,225	84.0	85,647,568	26.3
Printing and publishing	97,506,966	86.4	23,296,157	31.4
Foundry and machine-shop products	85,359,426	60.4	−4,300,926	−4.8
Clothing, men's, including shirts	84,339,611	94.6	−956,796	−1.1
Cars, steam-railroad, not including operations of railroad companies	50,930,691	83.1	30,038,675	143.8
Bread and other bakery products	34,217,248	75.6	7,309,010	27.2
Liquors, malt	28,933,283	73.4	9,420,882	48.3
Lumber and timber products	28,711,190	68.3	−3,997,535	−12.2
Iron and steel, steel works and rolling mills	27,001,775	41.5	−18,982,007	−41.3
Furniture and refrigerators	24,132,848	73.1	3,620,494	17.7
Paint and varnish	22,810,675	93.1	3,838,227	20.4
Tobacco manufactures	21,460,097	82.4	4,827,492	29.0
Soap	21,255,430	99.2	1,316,389	6.6
Confectionery	20,348,651	91.9	9,128,225	81.3
Clothing, women's	19,211,137	32.6	3,534,212	22.5
Electrical machinery, apparatus, and supplies	17,568,424	38.5	−3,100,081	−15.0
Cars and general shop construction and repairs by steam-railroad companies	16,687,929	40.2	1,329,104	8.7
Leather, tanned, curried, and finished	15,662,742	89.5	2,419,192	18.3
Copper, tin, and sheet-iron products	13,236,073	53.3	994,123	8.1
Musical instruments, pianos and organs and materials	12,670,705	64.3	1,183,241	10.3
Patent medicines and compounds and druggists' preparations	10,808,693	71.9	448,709	4.3

[1] A minus sign (−) denotes decrease.

The importance of the slaughtering and meat-packing industry in Chicago is apparent when it is noted that its value of products formed 27.7 per cent of the total for all manufacturing industries in the city and 24.9 per cent of the total for the industry in the United States.

In addition to the 149 industries presented separately for Chicago in Table 44, there were 125 others, which for various reasons are included under the head of "all other industries." Some of these industries were among the most important in the city, 43 reporting products in 1914 exceeding $1,000,000 in value.[1] Of these, 6 reported products valued at $10,000,000 or over; 3 products between $5,000,000 and $10,000,000, and 34, between $1,000,000 and $5,000,000 in value.

Peoria, the second city in the state in value of manufactures, reported products valued at $64,689,045 in 1914, an increase of 2.6 per cent over the figures for 1909. The leading industry in the city is distilled liquors, and others of importance are slaughtering and meat packing, printing and publishing, the manufacture of agricultural implements, paper and wood pulp, malt liquors, cooperage, cordage and twine, food preparations, and bakery products.

Joliet holds third place among the manufacturing cities of Illinois. The value of its manufactured products decreased 22.5 per cent and the average number of wage earners employed decreased 21.7 per cent for the five-year period 1909–1914. The operations of steelworks and rolling mills and of blast furnaces, and the manufacture of coke and wire, were the chief industries in 1914.

East St. Louis shows an increase of 48.6 per cent in value of products between 1909 and 1914. The principal industries were flour mills and gristmills, chemicals, slaughtering and meat packing, rolling mills, foundries and machine shops, paints, and steam-railroad repair shops.

Rockford maintained its high average in wage earners, but the number employed in 1914 (10,472) was an increase of only 12.5 per cent over 1909. The furniture factories, knitting mills, and foundries and machine shops furnished employment to more than one-half of the total wage earners reported for the city.

[1] These industries are:
Agricultural implements.
Babbitt metal and solder.
Belting, leather.
Butter, reworking.
Cars and general shop construction and repairs by electric-railroad companies.
Cash registers.
Coffee and spice, roasting and grinding.
Coke.
Cordage and twine.
Cordials and flavoring sirups.
Corsets.
Fertilizers.
Flour-mill and gristmill products.
Gas, illuminating and heating.
Gloves and mittens, leather.
Glue.
Gold and silver, reducing and refining, not from the ore.
Instruments, professional and scientific.
Iron and steel, blast furnaces.
Labels and tags.
Lamps and reflectors.
Lead, bar, pipe, and sheet.
Millinery and lace goods.
Motorcycles, bicycles, and parts.
Oil, linseed.
Oleomargarine.
Optical goods.
Paper and wood pulp.
Pottery products.
Printing and publishing, music.
Rubber goods, not elsewhere specified.
Saws.
Sewing machines and attachments.
Silk goods, not including throwsters.
Smelting and refining, lead.
Sporting and athletic goods.
Springs, steel, car, and carriage, not made in steel works or rolling mills.
Stationery goods.
Surgical appliances.
Upholstering materials.
Wall paper, not made in paper mills.
Wire.
Wool scouring.

In value of products, Rockford ranked fifth among the cities of the state and showed an increase of 18.4 per cent for the five-year period 1909–1914. In addition to the industries mentioned, the manufacture of agricultural implements, pianos, carriages and wagons, and saddlery were also of importance.

The importance of the agricultural-implement industry in Moline is apparent when it is noted that its value of products formed 48.9 per cent in the total for all manufacturing industries in the city. The manufacture of automobiles and carriages and wagons are also among the leading industries. The city, however, shows a decrease of 3.6 per cent in the total value of products for the five-year period 1909–1914.

The chief industries in Granite City are the manufacture of rolling-mill products, glucose, babbitt metal and solder, stamped and enameled ware, and tinplate.

In Chicago Heights the operation of steelworks and rolling mills, foundry and machine shops, steam-railroad car construction shops, and the manufacture of chemicals are the leading industries. The percentage of increase for the total value of products was 33.6 per cent for the five-year period 1909–1914.

Alton shows an increase of 27.4 per cent in the total value of products from 1909 to 1914. The most important industries were the flour mills, glass factories, and slaughtering and meat packing.

Waukegan shows a decrease in the total value of products for the five-year period 1909–1914 of 36.3 per cent, due to removal of plants from the city limits. The rolling mills, the preparation of food products, the manufacture of gas, and leather, tanned, curried, and finished, contributed most to the city's industrial importance.

Decatur increased 48.3 per cent in the number of wage earners and 22.4 per cent in the total value of products from 1909 to 1914. The leading industries were steam-railroad repair shops and the manufacture of plumbers' supplies, and starch.

Springfield shows an increase in the total value of products of 38.5 per cent for the five-year period 1909–1914. The industries of most importance were the flour mills; the manufacture of boots and shoes; watches; smelting and refining, zinc; agricultural implements; the printing and publishing business; electrical machinery; and the breweries.

In Aurora the leading industries are steam-railroad repair shops, foundry and machine shops, the manufacture of corsets, and builders' hardware. The city shows for the five-year period 1909–1914 a decrease of 1.5 per cent in the total value of products.

Elgin is widely known for the manufacture of watch movements. Other important industries for 1914 are printing and publishing, the condensed-milk factories, and the making of watch cases. The city shows a slight decrease in total value of products for the census period 1909–1914.

The principal industries of the other incorporated places appearing in Table 13 are shown in the following statement:

CITY.	Principal industries.
Pekin	Liquors, distilled. Glucose and starch. Cooperage.
Quincy	Stoves and furnaces, not including gas and oil stoves. Liquors, malt. Patent medicines and compounds and perfumery and cosmetics. Foundry and machine-shop products.
Freeport	Patent medicines and compounds. Carriages and wagons. Windmills.
Rock Island	Engines, gas and gasoline. Agricultural implements. Lumber, planing-mill products.
Belleville	Stoves and furnaces, not including gas and oil stoves. Flour-mill and gristmill products. Liquors, malt. Steam fittings, and steam and hot water apparatus.
Kewanee	Foundry and machine-shop products.
Danville	Cars and general shop construction and repairs by steam-railroad companies.
La Salle	Smelting and refining, zinc. Cement.
Bloomington	Cars and general shop construction and repairs by steam-railroad companies.
Cairo	Lumber and timber products.
Evanston	Iron and steel, wrought pipe.
Streator	Glass.
Kankakee	Cotton goods. Hosiery and knit goods.
Galesburg	Cars and general shop construction and repairs by steam-railroad companies. Foundry and machine-shop products.
Canton	Agricultural implements.
Jacksonville	Slaughtering and meat packing, wholesale. Clothing, men's. Structural ironwork.
Oak Park	Gas, illuminating and heating.
Mattoon	Cars and general shop construction and repairs by steam-railroad companies.
Champaign	Printing and publishing. Gas, illuminating and heating.
Centralia	Envelopes.
Lincoln	Coffins, burial cases, and undertakers' goods.

Chicago metropolitan district.—The Chicago metropolitan district embraces 409,087 acres, of which 120,210 acres represent the area of Chicago, and 288,877 acres, the outside territory. The estimated population of Chicago in 1914 was 2,397,600, and that of the outside territory 308,824, the total for the district being 2,706,424. The district comprises, in addition to the city of Chicago, the townships of Berwyn, Bloom, Calumet, Cicero, Evanston, Leyden, Lyons, Maine, New Trier, Niles, Norwood Park, Oak Park, Proviso, Ridgeville, Riverside, Stickney, Thornton, and Worth, all in Cook County, Illinois, and Calumet and North townships in Lake County, Indiana. Within these townships, or coextensive with them, there are seven incorporated places of 10,000 or more inhabitants. Of these, four are in Illinois: Chicago Heights city, in Bloom township; Cicero town, coextensive with Cicero township; Evanston city, coextensive with Ridgeville township; and Oak Park village, coextensive with Oak Park township. The remaining three, which are in Indiana, are East Chicago city and Hammond city, both in North township; and Gary city in Calumet township.

Summary for the district.—Table 15 is a summary for 1914 of the statistics of manufacturing industries, and gives a statement of the estimated population in 1914 for the Chicago Metropolitan District, for the cities of Chicago, Chicago Heights, East Chicago, Evanston, Hammond, Oak Park, and for the remainder of the district, the percentages which the figures for Chicago represent of the total for the district being shown for each item.

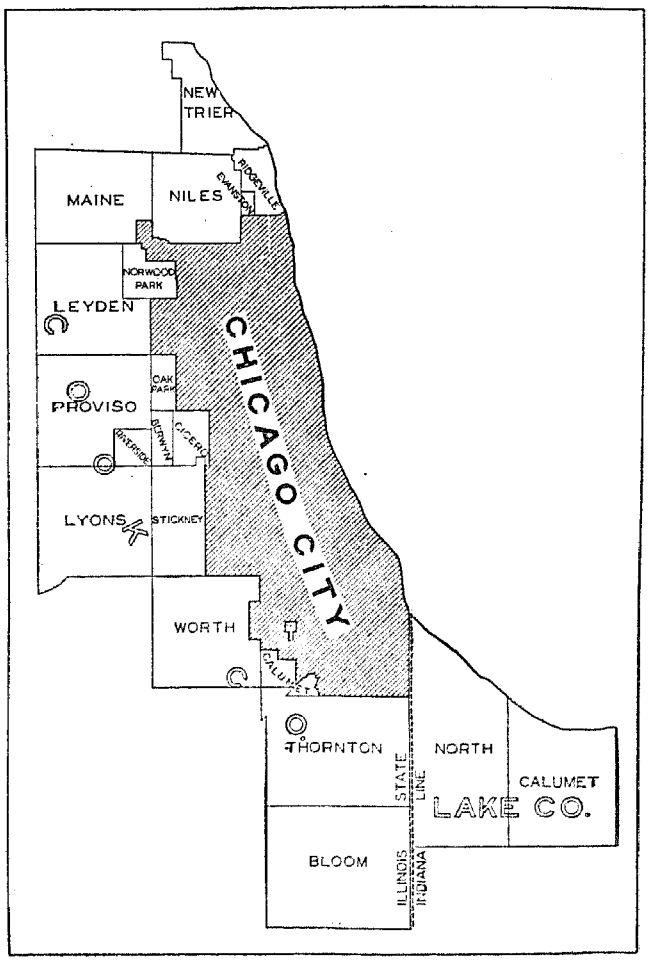
In 1914 the metropolitan district had 10,945 manufacturing establishments, which gave employment to 444,876 persons during the year and paid out $353,084,061 in salaries and wages. Of the persons employed, 362,355 were wage earners. These establishments manufactured products to the value of $1,734,736,737, to produce which, materials were used costing $1,055,945,118. The value added by manufacture was therefore $678,791,619.

Table 15

	CHICAGO METROPOLITAN DISTRICT: 1914.									Per cent Chicago is of total for district.
	The district.	Chicago.	District exclusive of Chicago.							
			Total.	Chicago Heights.	East Chicago.	Evanston.	Hammond.	Oak Park.	Remainder.[1]	
Population[2]	2,706,424	2,397,600	308,824	19,560	25,658	27,724	24,481	24,330	187,071	88.6
Number of establishments	10,945	10,115	830	77	79	49	82	47	496	92.4
Persons engaged in manufactures	444,876	387,319	57,557	5,018	8,468	1,153	5,274	366	37,278	87.1
Proprietors and firm members	8,898	8,184	714	46	58	48	73	47	442	92.0
Salaried employees	73,623	65,425	8,198	684	928	181	920	51	5,434	88.9
Wage earners (average number)	362,355	313,710	48,645	4,288	7,482	924	4,281	268	31,402	86.6
Primary horsepower	972,617	681,114	291,503	21,002	44,676	2,249	9,825	1,113	212,638	70.0
Capital	$1,479,115,609	$1,190,068,927	$289,046,682	$20,350,251	$38,705,588	$2,616,841	$24,041,835	$5,155,238	$198,176,929	80.4
Salaries and wages	353,484,061	304,031,882	49,452,179	4,101,869	7,976,685	888,889	3,763,588	291,119	32,430,029	86.0
Salaries	101,600,349	90,294,510	11,305,839	1,154,948	1,592,209	232,681	1,094,159	50,595	7,181,247	88.9
Wages	251,883,712	213,737,372	38,146,340	2,946,921	6,384,476	656,208	2,669,429	240,524	25,248,782	84.8
Rent and taxes (including internal revenue)	35,657,138	28,882,807	6,774,331	111,126	204,044	28,143	3,920,854	16,062	2,494,102	81.0
Cost of materials	1,055,945,118	901,933,394	154,011,724	7,684,522	28,584,261	2,438,678	9,829,143	492,457	104,982,663	85.4
Value of products	1,734,736,737	1,483,438,416	251,238,321	14,485,569	41,623,788	3,984,824	20,584,408	1,555,083	169,004,649	85.5
Value added by manufacture	678,791,619	581,565,022	97,226,597	6,801,047	13,039,527	1,546,146	10,755,265	1,062,626	64,021,986	85.7

[1] Includes Cicero, Ill., and Gary, Ind., the statistics for which can not be shown without disclosing individual operations. [2] Estimated population July 1, 1914.

The accompanying outline map shows the city of Chicago and the territory included in the metropolitan district.



Comparison with the earlier censuses.—Table 16 gives statistics for the district for 1914, 1909, and 1904. Percentages of increase are shown for the territory included in the metropolitan district for the decade and for each five-year period.

Table 16

	CHICAGO METROPOLITAN DISTRICT.			PER CENT OF INCREASE.		
	1914	1909	1904	1904-1914	1909-1914	1904-1909
Population	[1] 2,706,424	[2] 2,446,921	([3])	.....	10.6	.....
Number of establishments	10,945	10,202	8,392	30.6	7.3	21.7
Persons engaged	444,876	393,859	296,350	50.1	13.0	32.9
Proprietors and firm members	8,898	8,600	7,481	18.9	3.5	15.0
Salaried employees	73,623	59,335	40,880	80.1	24.1	45.1
Wage earners (average number)	362,355	325,924	247,989	46.1	11.2	31.4
Primary horsepower	972,617	739,229	379,566	156.2	31.6	94.8
Capital	$1,479,115,609	$1,144,002,902	$664,215,775	122.7	29.3	72.2
Salaries and wages	353,484,061	269,487,880	186,165,672	89.9	31.2	44.8
Salaries	101,600,349	71,160,747	46,336,318	119.3	42.8	53.6
Wages	251,883,712	198,327,133	139,829,354	80.1	27.0	41.8
Cost of materials	1,055,945,118	[4] 867,725,596	598,556,727	76.4	21.7	45.0
Value of products	1,734,736,737	1,408,779,818	970,974,280	78.7	23.1	45.1
Value added by manufacture (value of products less cost of materials)	678,791,619	[4] 541,054,222	372,417,553	82.3	25.4	45.3

[1] Estimated population July 1, 1914.
[2] Apr. 15, 1910.
[3] No population census.
[4] Figures do not agree with those published because certain establishments revised their data.

The relative increase in all the items for which comparative figures are given in the table was smaller during the more recent five-year period 1909-1914 than during the period 1904-1909. For the decade the relative increase was much greater in primary horsepower, capital, and salaries, than in any other items.

Comparative summary, by industries.—Table 17 gives statistics for 1914 and 1909, so far as separate figures can be presented, for selected industries of the district each having products valued at $3,000,000 or more.

Table 17

CHICAGO METROPOLITAN DISTRICT: 1914 AND 1909.

INDUSTRY.	Census year.	Number of establishments.	Persons engaged in industry. Total.	Proprietors and firm members.	Salaried employees.	Wage earners, (average number.)	Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
All industries	1914	10,945	444,876	8,898	73,623	362,355	972,617	$1,479,115,609	$101,600,349	$251,883,712	$1,055,945,118	$1,734,736,737	$678,791,619
	1909	10,202	393,859	8,600	59,335	325,924	739,229	1,144,002,902	71,160,747	[1] 198,327,133	[1] 867,725,596	1,408,779,818	[1] 541,054,222
Bread and other bakery products	1914	1,440	10,935	1,533	1,386	8,011	6,715	22,283,783	1,623,369	5,339,314	18,218,589	35,619,681	17,401,092
	1909	1,278	9,257	1,351	1,183	6,723	3,899	20,988,156	1,160,173	4,373,201	16,983,122	28,146,786	11,163,664
Brick, tile, pottery, and other clay products.	1914	27	3,241	9	274	2,958	13,870	11,422,684	447,651	2,346,827	1,152,471	5,173,466	4,020,995
	1909	34	3,679	18	217	3,444	14,682	11,167,066	312,080	2,901,732	1,377,164	6,035,404	4,658,240
Canning and preserving	1914	57	1,767	41	263	1,463	3,032	3,904,220	343,398	703,320	4,864,264	6,972,985	2,108,721
	1909	52	1,416	50	189	1,177	1,470	2,646,101	239,014	525,217	3,413,459	5,005,292	1,591,833
Cars and general shop construction and repairs by steam-railroad companies.	1914	32	14,530	.....	813	13,717	16,084	21,930,657	838,906	9,694,910	9,067,350	20,254,175	11,186,825
	1909	28	12,598	.....	596	12,002	9,995	10,703,708	639,835	7,962,234	7,639,305	16,451,913	8,812,608
Cars, steam-railroad, not including operations of railroad companies.	1914	[2] 12	16,413	.....	874	15,539	27,052	29,725,689	1,195,640	13,922,995	32,388,912	50,930,691	18,541,779
	1909	24	11,857	2	907	10,948	18,556	39,641,537	1,025,728	7,577,576	14,752,493	25,462,246	10,709,753
Clothing, men's and women's	1914	794	47,439	899	6,236	40,304	5,402	43,480,245	7,963,265	23,479,489	48,953,852	103,935,374	54,981,522
	1909	[2] 882	45,036	1,084	4,722	39,230	3,614	41,714,172	5,206,802	[1] 20,634,578	[1] 48,565,322	100,973,332	[1] 52,408,010
Confectionery	1914	102	5,345	65	868	4,412	4,554	7,076,481	1,268,047	2,028,445	11,020,673	20,370,590	9,349,917
	1909	91	3,876	60	571	3,245	3,050	5,278,824	637,614	1,252,812	6,709,836	11,241,011	4,531,175
Copper, tin, and sheet-iron products.	1914	338	6,653	327	755	5,571	4,809	24,640,477	1,118,985	3,706,613	10,541,214	18,664,575	8,123,361
	1909	[2] 268	4,610	256	495	3,859	2,859	12,215,669	659,461	2,472,424	6,463,004	12,241,950	5,778,946
Food preparations	1914	83	1,835	85	454	1,296	3,816	4,457,187	632,095	728,666	9,811,463	12,876,795	3,065,332
	1909	78	1,134	59	273	802	1,632	2,384,062	350,223	400,939	4,100,975	6,017,603	1,916,628
Foundry and machine-shop products.	1914	785	44,388	410	7,087	36,891	80,185	123,345,699	10,999,707	26,332,190	44,607,687	102,544,289	57,936,602
	1909	721	41,857	365	6,161	35,331	63,273	105,493,763	8,309,667	23,440,577	48,816,110	104,319,563	55,503,453
Furniture and refrigerators	1914	224	11,775	157	1,469	10,149	19,080	20,110,754	2,104,917	6,658,430	11,337,245	24,611,860	13,274,615
	1909	208	11,188	151	1,080	9,957	14,454	16,495,370	1,456,603	6,076,242	9,146,266	20,638,171	11,491,905
Leather, tanned, curried, and finished.	1914	24	2,513	22	180	2,311	7,128	14,942,269	312,266	1,333,140	12,512,061	15,662,742	3,150,681
	1909	24	2,841	23	144	2,674	6,212	14,485,671	242,402	1,417,978	10,787,874	13,243,550	2,455,676
Liquors, malt	1914	41	4,845	5	818	4,022	22,833	42,759,873	1,623,283	4,012,612	7,671,742	29,166,259	21,494,517
	1909	48	3,498	2	591	2,905	15,882	29,741,494	1,157,792	2,391,182	4,967,808	19,712,962	14,745,154
Lumber and timber products	1914	246	10,715	142	1,171	9,402	27,530	19,863,220	1,791,567	6,568,799	17,881,538	30,446,005	12,564,467
	1909	213	11,912	135	1,124	10,653	26,580	18,344,078	1,476,062	6,291,122	21,250,785	33,569,593	12,318,808
Marble and stone work	1914	145	1,751	174	205	1,372	4,421	3,197,485	309,298	1,167,431	1,464,984	3,798,727	2,333,743
	1909	127	1,748	134	146	1,468	3,107	2,777,051	232,662	1,203,929	1,854,232	4,231,289	2,377,057
Musical instruments, pianos and organs and materials.	1914	51	6,089	19	704	5,366	6,016	26,655,273	1,088,589	3,557,311	5,834,850	13,923,174	8,088,324
	1909	42	7,185	12	648	6,525	5,670	21,348,793	908,446	3,720,625	6,311,560	14,555,453	8,243,893
Patent medicines and compounds and druggists' preparations.	1914	277	2,921	152	1,455	1,314	1,657	5,183,234	1,889,576	790,939	3,214,172	10,851,426	7,637,254
	1909	277	3,019	164	1,492	1,363	2,030	5,370,189	1,512,267	633,486	3,223,163	10,376,264	7,153,101
Printing and publishing	1914	1,632	39,646	1,191	11,458	26,997	27,018	65,818,412	14,406,084	20,509,568	29,765,210	99,114,654	69,349,444
	1909	1,466	34,950	1,130	10,195	23,625	21,481	49,958,455	10,907,660	15,657,361	21,830,421	76,070,564	54,240,143
Slaughtering and meat packing	1914	[2] 58	33,826	27	7,095	26,704	57,318	195,174,022	9,260,509	16,541,637	345,521,950	410,709,225	65,187,275
	1909	[2] 67	27,147	66	5,017	22,064	45,629	115,311,628	5,534,973	11,984,893	285,250,405	325,061,657	39,811,252
Tobacco manufactures	1914	910	7,152	961	747	5,444	1,071	9,946,487	1,066,876	3,321,340	8,488,992	21,834,368	13,345,376
	1909	1,102	6,936	1,166	427	5,343	783	10,451,273	716,830	2,864,769	6,827,850	16,919,417	10,091,567
All other industries	1914	3,667	171,097	2,674	29,311	139,112	633,026	783,197,458	41,316,321	99,139,736	421,625,899	697,275,676	275,649,777
	1909	3,172	148,115	2,372	23,157	122,586	474,371	607,476,842	28,474,453	74,544,256	337,454,442	558,505,798	221,051,356

[1] Figures do not agree with those published because certain establishments revised their figures.
[2] Excludes statistics for establishments located outside the corporate limits of Chicago, to avoid disclosure of individual operations. The figures for these establishments are included under the head of "all other industries."

There were 743 more establishments in the district in 1914 than in 1909, the number of wage earners increased 11.2 per cent and the value of manufactures, 23.1 per cent. The greatest gain in the value of products during this period was in the slaughtering and meat-packing industry, amounting to $85,647,568.

Of the industries shown in the above table, foundries and machine shops, steam-railroad repair shops, the construction of cars for steam railroads, the manufacture of brick, tile, pottery, and food preparations, were the only ones which operated to any extent in that part of the district, which is outside the corporate limits of Chicago. The principal industry of the district is slaughtering and meat packing, and, with the exception of two establishments, was confined to Chicago, for which figures are given in Table 14.

Character of ownership.—Table 18 presents statistics concerning the character of ownership, or legal organization, of manufacturing enterprises. For all industries combined, comparative figures are given for 1914, 1909, and 1904; for selected industries, statistics for 1914 and 1909 are shown; and for individual cities the figures are for all industries combined and relate to 1914 only. In order to avoid disclosing the operations of individual establishments, it is necessary to omit several important industries from this table.

Table 18

Industry and city.	Census year.	Number of establishments owned by— Individuals.	Corporations.	All others.	Average number of wage earners. Total.	In establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.	Value of products. Total.	Of establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.
All industries	1914	9,404	5,993	2,991	506,943	40,278	437,069	29,596	7.9	86.2	5.8	$2,247,322,819	$127,740,861	$2,021,734,391	$97,847,567	5.7	90.0	4.4
	1909	9,654	5,209	3,163	465,764	46,524	374,855	44,385	10.0	80.5	9.5	1,919,276,594	134,438,296	1,646,518,916	138,319,382	7.0	85.8	7.2
	1904	7,933	4,145	2,843	379,436	44,563	296,610	38,263	11.7	78.2	10.1	1,410,342,129	108,126,545	1,179,028,840	123,186,744	7.7	83.6	8.7
Agricultural implements	1914	11	51	11	19,556	48	19,443	65	0.2	99.4	0.3	65,337,663	151,057	65,017,298	169,308	0.2	99.5	0.3
	1909	17	50	12	19,240	62	18,995	183	0.3	98.7	1.0	57,268,325	175,644	56,737,922	354,759	0.3	99.1	0.6
Automobiles, including bodies and parts.	1914	18	54	19	2,545	130	2,198	217	5.1	86.4	8.5	11,018,162	441,607	9,994,802	581,753	4.0	90.7	5.3
	1909	16	41	8	2,382	86	2,234	62	3.6	93.8	2.6	7,153,818	220,925	6,751,741	181,152	3.1	94.4	2.5
Boots and shoes, including cut stock and findings.	1914	20	27	10	6,397	365	5,601	431	5.7	87.6	6.7	18,407,348	1,224,632	16,120,215	1,062,501	6.6	87.6	5.8
	1909	17	27	9	5,792	510	4,883	399	8.8	84.3	6.9	16,754,704	1,516,025	14,423,438	815,241	9.0	86.1	4.9
Brick, tile, pottery, and other clay products.	1914	81	98	56	8,610	508	7,543	559	5.9	87.6	6.5	14,221,869	682,672	12,559,887	979,310	4.8	88.3	6.9
	1909	155	119	105	9,731	877	7,978	876	9.0	82.0	9.0	14,379,779	1,241,570	11,870,196	1,268,013	8.6	82.5	8.8
Butter, cheese, and condensed milk.	1914	75	131	61	1,755	123	1,511	121	7.0	86.1	6.9	21,792,220	1,951,763	18,065,494	1,774,963	9.0	82.9	8.1
	1909	90	84	121	1,732	101	1,447	184	5.8	83.5	10.6	17,798,278	1,574,475	13,200,456	3,023,347	8.8	74.2	17.0
Canning and preserving	1914	39	61	17	2,560	356	2,146	58	13.9	83.8	2.3	10,121,497	893,819	9,035,273	192,405	8.8	89.3	1.9
	1909	45	49	24	2,383	264	1,615	504	11.1	67.8	21.1	7,619,586	685,092	5,291,495	1,642,999	9.0	69.4	21.6
Carriages and wagons and materials.	1914	173	55	68	4,861	491	4,023	347	10.1	82.8	7.1	15,192,466	1,074,655	13,302,150	815,661	7.1	87.6	5.4
	1909	201	55	69	5,852	797	4,634	421	13.6	79.2	7.2	16,831,283	1,714,435	14,063,963	1,052,885	10.2	83.6	6.3
Clothing, men's, including shirts.	1914	330	128	146	35,119	6,506	21,927	6,686	18.5	62.4	19.0	89,144,448	8,505,091	65,089,831	15,549,526	9.5	73.0	17.4
	1909	449	86	180	36,152	8,378	9,360	18,414	23.2	25.9	50.9	89,472,755	12,400,131	28,033,929	49,038,695	13.9	31.3	54.8
Clothing, women's	1914	107	61	73	8,113	1,994	3,881	2,238	24.6	47.8	27.6	20,750,550	4,455,699	10,168,703	6,126,148	21.5	49.0	29.5
	1909	107	43	71	6,151	1,817	1,556	2,778	29.5	25.3	45.2	16,635,236	3,938,904	5,735,500	6,960,832	23.7	34.5	41.8
Confectionery	1914	62	65	20	5,009	532	4,145	332	10.6	82.8	6.6	22,138,559	1,633,709	19,157,577	1,347,273	7.4	86.5	6.1
	1909	66	52	22	3,799	437	3,164	198	11.5	83.3	5.2	12,798,077	1,368,845	10,799,205	630,027	10.7	84.4	4.9
Copper, tin, and sheet-iron products.	1914	315	100	93	7,445	855	6,214	376	11.5	83.5	5.0	24,815,389	2,573,757	21,139,477	1,102,155	10.4	85.2	4.4
	1909	283	98	102	7,473	1,008	5,488	977	13.5	73.4	13.1	22,822,810	2,742,344	17,057,438	3,023,028	12.0	74.7	13.2
Flour-mill and gristmill products.	1914	193	97	116	2,398	420	1,660	318	17.5	69.2	13.2	49,493,224	7,281,852	37,022,238	5,189,134	14.7	74.8	10.5
	1909	210	104	147	2,464	424	1,615	425	17.2	65.5	17.2	51,110,681	8,253,326	36,170,263	6,687,092	16.1	70.8	13.1
Foundry and machine-shop products.	1914	412	740	219	55,261	2,622	50,370	2,269	4.7	91.1	4.1	141,328,624	6,025,629	129,974,136	5,328,859	4.3	91.9	3.8
	1909	360	666	152	52,266	3,764	46,627	1,875	7.2	89.2	3.6	138,578,993	8,475,204	125,673,809	4,429,980	6.1	90.7	3.2
Furniture and refrigerators.	1914	72	165	46	13,766	837	11,859	1,070	6.1	86.1	7.8	32,999,567	1,839,252	28,455,885	2,704,430	5.6	86.2	8.2
	1909	88	137	42	13,575	1,224	11,370	981	9.0	83.8	7.2	27,900,262	2,409,423	23,294,772	2,196,067	8.6	83.5	7.9
Leather goods	1914	212	48	44	2,325	584	1,362	379	25.1	58.6	16.3	7,982,276	1,819,315	4,753,588	1,409,373	22.8	59.6	17.6
	1909	88	41	39	2,949	716	1,774	459	24.3	60.2	15.6	8,948,324	2,149,577	5,357,729	1,441,018	24.0	59.9	16.1
Leather, tanned, curried, and finished.	1914	4	15	9	2,678	283	2,064	331	10.6	77.1	12.4	17,509,256	2,285,422	13,142,836	2,080,998	12.8	75.5	11.7
	1909	4	16	9	3,001	201	2,475	325	6.7	82.5	10.8	14,911,782	1,086,872	12,140,482	1,684,428	7.3	81.4	11.3
Lumber and timber products.	1914	272	233	113	14,870	1,463	12,557	850	9.8	84.4	5.8	42,064,008	3,856,360	36,278,362	1,929,286	9.2	86.2	4.6
	1909	437	207	170	16,567	2,369	13,093	1,105	14.3	79.0	6.7	44,951,804	5,419,920	37,239,293	2,292,591	12.1	82.8	5.1
Millinery and lace goods	1914	35	52	15	3,323	475	2,421	427	14.3	72.9	12.8	9,221,978	1,059,889	6,828,793	1,333,296	11.5	74.0	14.5
	1909	39	35	29	3,328	373	2,121	834	11.2	63.7	25.1	7,281,914	696,519	4,631,152	1,954,243	9.6	63.6	26.8
Paints and varnishes	1914	10	59	3	2,110	144	1,959	7	6.8	92.8	0.3	24,488,449	922,581	23,503,708	62,160	3.8	96.0	0.2
	1909	10	59	5	1,792	115	1,610	67	6.4	89.8	3.7	20,434,291	675,344	19,256,053	502,894	3.3	94.2	2.5
Patent medicines and compounds and druggists' preparations.	1914	134	196	33	1,844	294	1,482	68	15.9	80.4	3.7	15,031,507	1,653,359	12,986,484	391,664	11.0	86.4	2.6
	1909	153	170	36	1,869	259	1,513	97	13.9	81.0	5.2	13,114,307	1,440,203	10,756,075	918,029	11.0	82.0	7.0
Printing and publishing	1914	1,387	880	455	32,838	3,913	26,636	2,289	11.9	81.1	7.0	112,833,427	11,554,995	95,254,720	6,023,712	10.2	84.4	5.3
	1909	1,352	729	527	28,644	3,764	21,914	2,966	13.1	76.5	10.4	87,247,990	10,252,467	69,133,450	7,861,173	11.8	79.2	9.0
Slaughtering and meat packing.	1914	28	55	15	31,627	671	30,709	247	2.1	97.1	0.8	489,230,324	11,846,275	474,026,286	3,357,763	2.4	96.9	0.7
	1909	36	53	20	26,705	688	25,667	350	2.6	96.1	1.3	389,594,906	9,844,597	374,123,153	5,627,156	2.5	96.0	1.4
Total for cities [1]	1914	6,477	4,774	1,967	408,976	32,895	350,684	25,397	8.1	85.7	6.2	1,843,239,978	105,499,247	1,657,111,431	80,629,300	5.7	89.9	4.4
Alton	1914	40	28	8	2,662	140	2,383	139	5.3	89.5	5.2	12,864,532	438,916	12,098,442	327,174	3.4	94.0	2.6
Aurora	1914	57	56	27	4,777	264	4,096	417	5.5	85.8	8.7	10,789,383	645,855	9,230,683	912,845	6.0	85.5	8.5
Belleville	1914	71	35	23	2,450	205	2,125	120	8.4	86.7	4.9	5,727,269	370,888	5,140,553	215,828	6.5	89.8	3.7
Bloomington	1914	48	32	20	2,384	215	2,063	106	9.0	86.5	4.5	4,803,808	726,943	3,768,827	308,038	15.1	78.5	6.4
Cairo	1914	16	32	13	1,522	49	1,348	125	3.2	88.6	8.2	4,583,539	162,967	4,134,604	285,968	3.6	90.2	6.2
Canton	1914	15	9	10	920	54	824	42	5.9	89.6	4.6	2,576,965	110,886	2,351,551	114,528	4.3	91.3	4.4
Centralia	1914	17	8	5	237	54	156	27	22.8	65.8	11.4	767,533	192,800	465,512	109,221	25.1	60.7	14.2
Champaign	1914	30	19	10	382	83	281	18	21.7	73.6	4.7	1,244,696	277,359	903,003	64,334	22.3	72.5	5.2
Chicago	1914	5,078	3,613	1,424	313,710	27,532	265,955	20,223	8.8	84.8	6.4	1,483,498,416	89,213,226	1,329,465,505	64,819,685	6.0	89.6	4.4
Chicago Heights	1914	20	46	11	4,288	56	4,202	30	1.3	98.0	0.7	14,485,569	145,234	14,147,466	192,869	1.0	97.7	1.3
Danville	1914	47	32	21	2,109	156	1,705	248	7.4	80.8	11.8	5,291,160	432,962	4,458,271	399,927	8.2	84.2	7.6
Decatur	1914	58	51	17	4,003	286	3,451	266	7.2	86.2	6.6	11,957,406	648,318	10,795,152	513,936	5.4	90.3	4.3
East St. Louis	1914	52	65	8	5,863	276	5,564	23	4.7	94.9	0.4	26,904,565	858,128	25,970,434	76,003	3.2	96.5	0.3
Elgin	1914	34	42	15	5,529	157	5,205	167	2.8	94.2	3.0	10,491,829	328,568	9,770,805	392,456	3.1	93.1	3.8
Evanston	1914	22	11	16	924	58	157	709	6.3	17.0	76.7	3,984,824	164,873	544,315	3,275,636	4.1	13.7	82.2
Freeport	1914	29	26	8	2,566	153	2,330	83	6.0	90.8	3.2	7,446,977	460,442	6,628,929	357,606	6.2	89.0	4.8
Galesburg	1914	19	28	13	1,362	45	1,207	110	3.3	88.6	8.1	3,192,129	136,276	2,685,225	370,628	4.3	84.1	11.6
Granite City	1914	19	13	7	5,090	53	5,012	25	1.0	98.5	0.5	17,903,162	131,088	17,693,958	77,216	0.8	98.8	0.4
Jacksonville	1914	30	17	16	932	108	613	211	11.6	65.8	22.6	2,355,192	271,462	1,276,423	807,307	11.5	54.2	34.3
Joliet	1914	75	43	18	4,999	215	4,622	162	4.3	92.5	3.2	30,091,415	665,072	28,938,610	487,733	2.2	96.2	1.6

[1] Statistics for Cicero can not be shown without disclosure of individual operations.

Table 18—Continued. Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.						Value of products.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.	
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
Kankakee	1914	21	19	13	1,430	129	1,167	134	9.0	81.6	9.4	$3,193,020	$352,962	$2,544,803	$295,255	11.1	79.7	9.2
Kewanee	1914	11	9	11	2,837	17	2,746	74	0.6	96.8	2.6	5,446,615	54,431	5,070,774	321,360	1.0	93.1	5.9
La Salle	1914	19	7	4	1,214	74	1,134	6	6.1	93.4	0.5	5,245,780	253,487	4,971,510	20,783	4.8	94.8	0.4
Lincoln	1914	17	10	13	239	50	146	43	20.9	61.1	18.0	560,637	106,930	367,932	85,775	19.1	65.6	15.3
Mattoon	1914	24	14	9	735	57	641	37	7.8	87.2	5.0	1,543,727	239,151	1,091,074	213,502	15.5	70.7	13.8
Moline	1914	41	50	17	5,053	104	4,925	24	2.1	97.5	2.5	19,925,106	406,291	19,422,034	96,781	2.0	97.5	0.5
Oak Park	1914	27	9	11	268	29	220	19	10.8	82.1	7.1	1,555,083	180,846	1,248,278	125,959	11.6	80.3	8.1
Pekin	1914	26	11	7	634	90	510	34	14.2	80.4	5.4	9,609,500	192,837	9,248,360	168,303	2.0	96.2	1.8
Peoria	1914	125	102	56	6,285	565	5,370	350	9.0	85.4	5.6	64,689,045	2,933,675	60,551,655	1,203,715	4.5	93.6	1.9
Quincy	1914	93	76	25	3,067	271	2,508	288	8.8	81.8	9.4	9,556,918	961,486	7,604,416	991,016	10.1	79.6	10.3
Rock Island	1914	48	38	20	1,837	175	1,582	80	9.5	86.1	4.4	6,487,859	411,210	5,861,002	215,647	6.3	90.3	3.3
Rockford	1914	91	143	31	10,472	446	9,335	691	4.3	89.1	6.6	26,371,219	1,237,464	23,409,394	1,724,361	4.7	88.8	6.5
Springfield	1914	95	48	46	4,157	432	3,395	330	10.4	81.7	7.9	11,769,969	1,239,865	9,659,416	870,688	10.5	82.1	7.4
Streator	1914	35	17	8	1,763	223	1,514	26	12.6	85.9	1.5	3,886,617	302,423	3,462,452	121,742	7.8	89.1	3.1
Waukegan	1914	27	15	6	2,276	74	2,192	10	3.3	96.3	0.4	12,438,514	242,976	12,130,063	65,475	2.0	97.5	0.5

The marked trend toward the corporate form of ownership is indicated not only by the increase in the number of corporations reported but in the decrease since 1909 in the number of establishments owned by "individuals" and "all others." Corporations controlled only about a third of the establishments in the state, but they gave employment to 86.2 per cent of the total number of wage earners and manufactured 90 per cent of the total products, as measured by value. In 1909 this class represented 28.9 per cent of all establishments, employed 80.5 per cent of the total wage earners, and contributed 85.8 per cent of the total value of products. In all of the industries shown in the table, except women's clothing, the great bulk of manufactures was produced by establishments under corporate control. In the manufacture of agricultural implements, automobiles, including bodies and parts, foundry and machine-shop products, paints and varnishes, and in the slaughtering and meat-packing industry more than 90 per cent of the total value of products was credited to this class.

Establishments owned by individuals outnumber the other two forms of ownership combined. While this class represented 51.1 per cent of the 18,388 factories in the state, its proportion of the value of products was but 5.7 per cent of the total, and of the total average number of wage earners 7.9 per cent.

The cities, in general, reflect the same condition—namely, a preponderance of establishments owned by individuals—but the greater proportion of wage earners and value of products were reported by corporations.

Size of establishments.—The tendency for manufacturing to become concentrated in large establishments, or the reverse, is indicated by the statistics given in Table 19.

Table 19 Value of product.	Number of establishments.			Average number of wage earners.			Value of products.			Value added by manufacture.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
All classes	18,388	18,026	14,921	506,943	465,764	379,436	$2,247,322,819	$1,919,276,594	$1,410,342,129	$907,139,412	$758,349,904	$570,284,813
Less than $5,000	6,161	6,181	5,208	6,484	7,000	7,086	15,231,218	15,040,868	12,892,051	9,884,858	9,864,314	8,741,174
$5,000 to $20,000	5,899	5,823	4,795	24,881	27,327	26,594	60,715,479	59,794,517	49,128,916	36,484,976	36,175,677	30,404,988
$20,000 to $100,000	3,833	3,773	3,157	62,952	65,907	60,375	176,457,380	170,400,943	142,152,026	96,275,087	91,858,229	78,956,358
$100,000 to $1,000,000	2,159	1,976	1,593	189,953	185,743	156,171	652,610,455	595,294,165	451,011,747	310,251,830	280,112,984	215,350,376
$1,000,000 and over	336	273	168	222,673	179,787	129,210	1,342,308,287	1,078,746,101	755,157,389	454,242,661	340,338,700	236,831,917
	Per cent distribution.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	33.5	34.3	34.9	1.3	1.5	1.9	0.7	0.8	0.9	1.1	1.3	1.5
$5,000 to $20,000	32.1	32.3	32.1	4.9	5.9	7.0	2.7	3.1	3.5	4.0	4.8	5.3
$20,000 to $100,000	20.8	20.9	21.2	12.4	14.2	15.9	7.9	8.9	10.1	10.6	12.1	13.8
$100,000 to $1,000,000	11.7	11.0	10.7	37.5	39.9	41.2	29.0	31.0	32.0	34.2	36.9	37.8
$1,000,000 and over	1.8	1.5	1.1	43.9	38.6	34.1	59.7	56.2	53.5	50.1	44.9	41.5

For 1914, 336 establishments, or 1.8 per cent of the total number in the state, each reported products exceeding $1,000,000 in value, as compared with 273, or 1.5 per cent of the total, in 1909, and 168, or 1.1 per cent, in 1904. These establishments, in 1914, employed an average of 222,673 wage earners, or 43.9 per cent of the total for the state, and produced 59.7 per cent of the products as measured by value. In the same year the small establishments—those having products of less than $5,000 in value—represented 33.5 per cent of the total number of establishments, but reported only seven-tenths of 1 per cent of the

total value of products. Establishments valuing their products at $5,000 to $20,000, $20,000 to $100,000, and $100,000 to $1,000,000 reported 2.7 per cent, 7.9 per cent, and 29 per cent, respectively, of the total value of products, a decreasing proportion for these groups at each successive census.

Table 20 gives, for 1914 and 1909, for 22 of the more important industries, a classification of establishments, wage earners, value of products, and value added by manufacture, similar to that presented in Table 19, for all industries combined.

Table 20

Industry and value of product.	Number of establishments.				Average number of wage earners.				Value of products.				Value added by manufacture.			
	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909
Agricultural implements	73	79	100.0	100.0	19,556	19,240	100.0	100.0	$65,337,663	$57,268,325	100.0	100.0	$32,460,102	$32,444,218	100.0	100.0
Less than $5,000	12	13	16.4	16.5	14	11	0.1	0.1	32,479	29,723	(1)	0.1	16,745	20,098	0.1	0.1
$5,000 to $20,000	12	13	16.4	16.5	52	68	0.3	0.3	130,069	127,751	0.2	0.2	57,733	78,945	0.2	0.2
$20,000 to $100,000	12	15	16.4	19.0	216	244	1.1	1.3	600,011	720,686	0.9	1.3	303,100	381,150	0.9	1.2
$100,000 to $1,000,000	22	26	30.1	32.9	3,028	3,118	15.5	16.2	8,841,960	8,579,951	13.5	15.0	4,472,330	4,262,583	13.8	13.1
$1,000,000 and over	15	12	20.5	15.2	16,246	15,799	83.0	82.1	55,733,144	47,810,214	85.3	83.5	27,610,194	27,701,442	85.0	85.3
Automobiles, including bodies and parts	91	65	100.0	100.0	2,545	2,382	100.0	100.0	11,018,162	7,153,818	100.0	100.0	4,729,729	3,174,699	100.0	100.0
Less than $5,000	15	11	16.5	16.9	33	16	1.3	0.7	45,469	36,104	0.4	0.5	23,867	21,561	0.5	0.7
$5,000 to $20,000	18	21	19.8	32.3	73	91	2.9	3.8	177,512	249,640	1.6	3.5	115,847	143,187	2.5	4.5
$20,000 to $100,000	37	19	40.6	29.3	631	458	24.8	19.2	1,625,043	1,045,212	14.8	14.6	941,483	518,344	19.9	16.3
$100,000 and over [2]	21	14	23.1	21.5	1,808	1,817	71.0	76.3	9,170,138	5,822,862	83.2	81.4	3,648,532	2,491,607	77.1	78.5
Boots and shoes, including cut stock and findings	57	53	100.0	100.0	6,397	5,792	100.0	100.0	18,407,348	16,754,704	100.0	100.0	6,266,336	5,885,862	100.0	100.0
Less than $5,000	13	9	22.8	17.0	10	17	0.2	0.3	25,920	25,920	0.1	0.2	16,336	15,580	0.3	0.3
$5,000 to $20,000	10	7	17.5	13.2	73	63	1.1	1.1	106,391	80,328	0.6	0.5	59,901	49,762	1.0	0.8
$20,000 to $100,000	9	11	15.8	20.8	183	236	2.9	4.1	437,711	531,935	2.4	3.2	200,819	202,302	3.2	3.4
$100,000 to $1,000,000	20	19	35.1	35.8	2,817	2,192	44.0	37.8	7,949,795	5,470,633	43.2	32.7	2,626,064	1,697,074	41.9	28.8
$1,000,000 and over	5	7	8.8	13.2	3,314	3,284	51.8	56.7	9,887,531	10,645,888	53.7	63.5	3,363,216	3,921,144	53.7	66.6
Brick, tile, pottery, and other clay products	235	379	100.0	100.0	8,610	9,731	100.0	100.0	14,221,869	14,379,779	100.0	100.0	10,262,930	10,761,975	100.0	100.0
Less than $5,000	79	142	33.6	37.4	207	324	2.4	3.3	221,090	336,482	1.5	2.3	175,713	271,595	1.7	2.5
$5,000 to $20,000	65	145	27.6	38.3	487	1,196	5.7	12.3	607,292	1,372,370	4.3	9.6	458,353	1,076,533	4.5	10.0
$20,000 to $100,000	53	58	22.6	15.3	1,647	1,979	19.1	20.3	2,370,905	2,775,620	16.7	19.3	1,695,307	2,059,930	16.5	19.2
$100,000 and over [2]	38	34	16.2	9.0	6,269	6,232	72.8	64.1	11,022,582	9,895,307	77.5	68.8	7,933,557	7,353,917	77.3	68.3
Butter, cheese, and condensed milk	267	295	100.0	100.0	1,755	1,732	100.0	100.0	21,792,220	17,798,278	100.0	100.0	3,556,588	3,531,357	100.0	100.0
Less than $5,000	14	29	5.2	9.8	8	17	0.5	1.0	42,637	77,289	0.2	0.4	6,714	15,442	0.2	0.4
$5,000 to $20,000	97	140	36.3	47.5	91	142	5.2	8.2	1,081,026	1,519,150	5.0	8.5	130,539	269,319	3.7	7.6
$20,000 to $100,000	115	96	43.1	32.5	349	246	19.9	14.2	4,809,379	4,038,145	22.1	22.7	710,755	538,169	20.0	15.2
$100,000 and over [2]	41	30	15.4	10.2	1,307	1,327	74.5	76.6	15,859,178	12,163,694	72.8	68.3	2,708,580	2,708,427	76.2	76.7
Canning and preserving	117	118	100.0	100.0	2,560	2,383	100.0	100.0	10,121,497	7,619,586	100.0	100.0	3,441,082	2,806,890	100.0	100.0
Less than $5,000	26	24	22.2	20.3	36	68	1.4	2.9	55,616	60,061	0.5	0.8	30,624	30,884	0.9	1.1
$5,000 to $20,000	27	39	23.1	33.1	118	181	4.6	7.6	339,277	410,803	3.4	5.4	125,270	164,771	3.6	5.9
$20,000 to $100,000	34	32	29.1	27.1	522	547	20.4	23.0	1,675,909	1,447,243	16.6	19.0	567,566	547,790	16.5	19.5
$100,000 to $1,000,000	30	23	25.6	19.5	1,884	1,587	73.6	66.6	8,050,695	5,701,479	79.5	74.8	2,717,622	2,063,445	79.0	73.5
Carriages and wagons and materials	296	325	100.0	100.0	4,861	5,852	100.0	100.0	15,192,466	16,831,283	100.0	100.0	6,824,089	7,351,948	100.0	100.0
Less than $5,000	130	122	43.9	37.5	140	173	2.9	3.0	334,105	341,896	2.2	2.0	226,587	230,353	3.3	3.1
$5,000 to $20,000	106	128	35.8	39.4	461	649	9.5	11.1	1,014,192	1,242,315	6.7	7.4	661,199	780,090	9.7	10.6
$20,000 to $100,000	31	46	10.5	14.2	577	740	11.9	12.6	1,363,592	1,901,131	9.0	11.3	733,469	944,189	10.8	12.8
$100,000 and over [2]	29	29	9.8	8.9	3,683	4,290	75.8	73.3	12,480,577	13,345,941	82.1	79.3	5,202,834	5,397,336	76.2	73.4
Clothing, men's, including shirts	604	715	100.0	100.0	35,119	36,152	100.0	100.0	89,144,448	89,472,755	100.0	100.0	47,833,982	44,244,475	100.0	100.0
Less than $5,000	122	135	20.2	18.9	540	618	1.5	1.7	320,939	378,496	0.4	0.4	281,899	343,280	0.6	0.8
$5,000 to $20,000	218	297	36.1	41.5	3,360	4,724	9.6	13.1	2,329,536	3,210,703	2.6	3.6	2,030,513	2,928,566	4.2	6.6
$20,000 to $100,000	144	173	23.8	24.2	5,071	6,131	14.4	17.0	6,280,191	7,134,896	7.0	8.0	4,211,402	4,876,629	8.8	11.0
$100,000 to $1,000,000	101	91	16.7	12.7	8,100	7,426	23.1	20.5	31,976,090	30,185,453	35.9	33.7	16,371,520	14,379,391	34.2	32.5
$1,000,000 and over	19	19	3.2	2.7	18,048	17,253	51.4	47.7	48,246,692	48,563,207	54.1	54.3	24,938,648	21,716,609	52.1	49.1
Clothing, women's	241	221	100.0	100.0	8,113	6,151	100.0	100.0	20,750,550	16,635,236	100.0	100.0	9,531,354	7,421,710	100.00	100.0
Less than $5,000	23	21	9.5	9.5	64	54	0.8	0.9	58,880	54,982	0.3	0.3	41,164	44,020	0.4	0.6
$5,000 to $20,000	50	64	20.7	29.0	403	616	5.0	10.0	559,729	740,280	2.7	4.4	341,712	508,541	3.6	6.9
$20,000 to $100,000	104	94	43.2	42.5	2,236	2,154	27.6	35.0	5,030,579	4,583,549	24.2	27.6	2,482,112	2,182,099	26.0	29.4
$100,000 and over [2]	64	42	26.6	19.0	5,410	3,327	66.6	54.1	15,101,362	11,256,425	72.8	67.7	6,666,366	4,687,050	70.0	63.2
Confectionery	147	140	100.0	100.0	5,009	3,799	100.0	100.0	22,138,559	12,798,077	100.0	100.0	10,043,926	5,132,679	100.0	100.0
Less than $5,000	27	40	18.4	28.6	36	48	0.7	1.3	70,996	92,961	0.3	0.7	37,303	52,006	0.4	1.0
$5,000 to $20,000	55	47	37.4	33.6	235	198	4.7	5.2	596,633	509,871	2.7	4.0	306,482	277,744	3.1	5.4
$20,000 to $100,000	33	29	22.4	20.7	585	553	11.7	14.6	1,657,595	1,488,859	7.5	11.6	691,226	668,103	6.9	13.0
$100,000 to $1,000,000	29	21	19.7	15.0	2,564	1,972	51.2	51.9	9,752,747	6,392,435	44.1	49.9	3,842,148	2,566,127	38.3	50.0
$1,000,000 and over	3	3	2.0	2.1	1,589	1,028	31.7	27.1	10,060,588	4,313,951	45.4	33.7	5,166,767	1,568,699	51.4	30.6
Copper, tin, and sheet-iron products	508	483	100.0	100.0	7,445	7,473	100.0	100.0	24,815,389	22,822,810	100.0	100.0	10,990,536	9,629,647	100.0	100.0
Less than $5,000	197	151	38.8	31.3	177	170	2.4	2.3	500,755	436,710	2.0	1.9	333,071	287,382	3.0	3.0
$5,000 to $20,000	199	205	39.2	42.4	716	849	9.6	11.4	1,880,368	2,147,922	7.6	9.4	1,175,032	1,321,954	10.7	13.7
$20,000 to $100,000	73	93	14.4	19.3	1,106	1,446	14.8	19.3	3,415,219	3,964,658	13.8	17.4	1,683,980	2,082,118	15.3	21.6
$100,000 to $1,000,000	33	31	6.5	6.4	2,433	3,259	32.7	43.6	8,157,818	10,078,576	32.9	44.2	3,525,348	4,284,133	32.1	44.5
$1,000,000 and over	6	3	1.1	0.6	3,013	1,749	40.5	23.4	10,861,229	6,194,944	43.7	27.1	4,273,105	1,654,060	38.9	17.2

[1] Less than one-tenth of 1 per cent.

[2] Includes the group "$1,000,000 and over."

Table 20—Continued.

Industry and value of product.	Number of establishments. 1914	Number of establishments. 1909	Per cent distribution. 1914	Per cent distribution. 1909	Average number of wage earners. 1914	Average number of wage earners. 1909	Per cent distribution. 1914	Per cent distribution. 1909	Value of products. 1914	Value of products. 1909	Per cent distribution. 1914	Per cent distribution. 1909	Value added by manufacture. 1914	Value added by manufacture. 1909	Per cent distribution. 1914	Per cent distribution. 1909
Flour-mill and grist-mill products	406	461	100.0	100.0	2,398	2,464	100.0	100.0	$49,493,224	$51,110,681	100.0	100.0	$6,652,317	$5,521,110	100.0	100.0
Less than $5,000	113	113	27.8	24.5	49	69	2.0	2.8	278,802	284,604	0.6	0.6	61,145	66,764	0.9	1.2
$5,000 to $20,000	104	117	25.6	25.4	132	172	5.5	7.0	1,117,454	1,285,941	2.3	2.5	232,458	301,997	3.5	5.5
$20,000 to $100,000	109	153	26.8	33.2	396	495	16.5	20.1	4,666,766	6,942,159	9.4	13.6	793,058	1,133,944	11.9	20.5
$100,000 to $1,000,000	69	68	17.0	14.8	1,123	1,133	46.8	46.0	19,680,440	22,355,864	39.8	43.7	2,571,777	2,571,742	38.7	46.6
$1,000,000 and over	11	10	2.7	2.2	698	595	29.1	24.1	23,749,762	20,242,113	48.0	39.6	2,993,879	1,446,663	45.0	26.2
Foundry and machine-shop products	1,371	1,178	100.0	100.0	55,261	52,266	100.0	100.0	141,328,624	138,578,993	100.0	100.0	80,722,363	74,768,805	100.0	100.0
Less than $5,000	290	201	21.2	17.1	382	246	0.7	0.5	810,741	557,632	0.6	0.4	589,464	367,899	0.7	0.5
$5,000 to $20,000	394	329	28.7	27.9	1,817	1,587	3.3	3.0	4,296,186	3,554,851	3.0	2.6	2,811,616	2,245,264	3.5	3.0
$20,000 to $100,000	425	403	31.0	34.2	7,961	8,060	14.4	15.4	20,067,122	19,762,699	14.2	14.3	11,687,495	11,205,059	14.5	15.0
$100,000 to $1,000,000	238	222	17.4	18.8	26,579	26,403	48.1	50.5	71,875,373	69,525,659	50.9	50.2	39,976,795	37,442,726	49.5	50.1
$1,000,000 and over	24	23	1.8	2.0	18,522	15,970	33.5	30.6	44,279,202	45,178,152	31.3	32.6	25,656,993	23,507,857	34.8	31.4
Furniture and refrigerators	283	267	100.0	100.0	13,766	13,575	100.0	100.0	32,999,567	27,900,262	100.0	100.0	17,286,793	15,399,042	100.0	100.0
Less than $5,000	34	32	12.0	12.0	51	33	0.4	0.2	92,345	80,625	0.3	0.3	61,018	52,729	0.4	0.3
$5,000 to $20,000	63	69	22.3	25.8	347	396	2.5	2.9	687,834	780,301	2.1	2.8	411,089	508,150	2.4	3.3
$20,000 to $100,000	95	85	33.6	31.8	2,170	2,364	15.8	17.4	4,994,635	4,248,913	15.1	15.2	2,749,712	2,432,744	15.9	15.8
$100,000 to $1,000,000	88	78	31.1	29.2	9,340	9,131	67.8	67.3	22,678,421	19,123,074	68.7	68.5	11,721,442	10,466,963	67.8	68.0
$1,000,000 and over	3	3	1.1	1.1	1,858	1,651	13.5	12.2	4,546,332	3,667,349	13.8	13.1	2,343,532	1,938,456	13.5	12.6
Leather goods	304	168	100.0	100.0	2,325	2,949	100.0	100.0	7,982,276	8,948,324	100.0	100.0	3,444,488	3,813,354	100.0	100.0
Less than $5,000	146	21	48.0	12.5	120	25	5.2	0.8	355,826	65,093	4.4	0.7	198,067	36,318	5.7	1.0
$5,000 to $20,000	94	74	30.9	44.0	303	294	13.0	10.0	916,017	801,757	11.5	9.0	479,616	409,548	13.9	10.7
$20,000 to $100,000	45	47	14.8	28.0	770	767	33.1	26.0	2,210,322	2,208,911	27.7	24.7	935,547	1,109,623	27.2	29.1
$100,000 to $1,000,000	19	26	6.3	15.5	1,132	1,863	48.7	63.2	4,500,111	5,872,563	56.4	65.6	1,831,258	2,257,865	53.2	59.2
Leather, tanned, curried, and finished	28	29	100.0	100.0	2,678	3,001	100.0	100.0	17,509,256	14,911,782	100.0	100.0	3,591,824	2,781,173	100.0	100.0
$20,000 to $100,000 [1]	9	9	32.1	31.0	97	78	3.6	2.6	459,862	395,526	2.6	2.7	116,712	100,932	3.2	3.6
$100,000 to $1,000,000	14	15	50.0	51.7	1,130	1,202	42.2	40.1	6,746,012	5,876,552	38.5	39.4	1,258,942	1,256,158	35.1	45.2
$1,000,000 and over	5	5	17.9	17.2	1,451	1,721	54.2	57.3	10,303,382	8,639,704	58.9	57.9	2,216,170	1,424,083	61.7	51.2
Lumber and timber products	618	814	100.0	100.0	14,870	16,567	100.0	100.0	42,064,008	44,951,804	100.0	100.0	17,939,874	17,687,608	100.0	100.0
Less than $5,000	211	366	34.1	45.0	299	568	2.0	3.4	465,932	717,759	1.1	1.6	316,840	485,855	1.8	2.7
$5,000 to $20,000	153	180	24.8	22.1	804	1,012	5.4	6.1	1,663,448	1,898,762	4.0	4.2	987,002	1,112,506	5.5	6.3
$20,000 to $100,000	158	171	25.6	21.0	3,017	3,980	20.3	24.0	7,694,707	8,526,678	18.3	19.0	3,811,514	4,176,086	21.2	23.6
$100,000 to $1,000,000	90	91	14.6	11.2	7,559	9,197	50.8	55.5	23,438,733	23,734,818	55.7	52.8	9,388,550	9,666,200	52.3	54.6
$1,000,000 and over	6	6	1.0	0.7	3,191	1,810	21.5	10.9	8,801,188	10,073,787	20.9	22.4	3,435,968	2,246,961	19.2	12.7
Millinery and lace goods	102	103	100.0	100.0	3,323	3,328	100.0	100.0	9,221,978	7,281,914	100.0	100.0	4,202,742	3,484,618	100.0	100.0
Less than $5,000	11	11	10.8	10.7	27	25	0.8	0.8	32,253	21,840	0.4	0.3	20,080	12,040	0.5	0.3
$5,000 to $20,000	28	32	27.4	31.1	185	211	5.6	6.3	289,478	326,117	3.1	4.5	195,114	204,336	4.6	5.9
$20,000 to $100,000	42	42	41.2	40.8	870	1,026	26.2	30.8	1,865,646	1,991,063	20.2	27.3	919,668	1,096,275	21.9	31.5
$100,000 to $1,000,000	21	18	20.6	17.5	2,241	2,066	67.4	62.1	7,034,601	4,942,894	76.3	67.9	3,067,880	2,171,967	73.0	62.3
Paints and varnishes	72	74	100.0	100.0	2,110	1,792	100.0	100.0	24,488,449	20,434,291	100.0	100.0	9,011,951	7,532,680	100.0	100.0
Less than $5,000	4	7	5.6	9.5	4	6	0.2	0.3	8,392	18,999	(2)	0.1	4,034	9,770	(2)	0.1
$5,000 to $20,000	10	11	13.9	14.9	20	17	0.9	1.0	104,456	119,138	0.4	0.6	60,862	72,665	0.7	1.0
$20,000 to $100,000	22	20	30.5	27.0	88	110	4.2	6.1	1,060,298	1,019,334	4.3	5.0	358,468	384,322	4.0	5.1
$100,000 to $1,000,000	30	30	41.7	40.5	1,043	997	49.4	55.6	11,906,312	10,590,586	48.6	51.8	4,351,655	3,765,526	48.3	50.0
$1,000,000 and over	6	6	8.3	8.1	955	662	45.3	37.0	11,408,991	8,686,234	46.6	42.5	4,236,932	3,300,397	47.0	43.8
Patent medicines and compounds and druggists' preparations	363	359	100.0	100.0	1,844	1,869	100.0	100.0	15,031,507	13,114,307	100.0	100.0	9,934,728	8,701,289	100.0	100.0
Less than $5,000	148	147	40.8	40.9	69	57	3.7	3.0	307,921	307,575	2.0	2.3	194,001	219,700	2.0	2.5
$5,000 to $20,000	109	119	30.0	33.1	247	228	13.4	12.2	1,114,517	1,127,216	7.4	8.6	686,971	778,186	6.9	8.9
$20,000 to $100,000	76	69	20.9	19.2	507	501	27.5	26.8	3,581,506	3,335,888	23.8	25.4	2,333,601	2,160,017	23.5	24.8
$100,000 and over [3]	30	24	8.3	6.7	1,021	1,083	55.4	57.9	10,027,563	8,343,628	66.7	63.6	6,720,155	5,543,386	67.6	63.7
Printing and publishing	2,722	2,608	100.0	100.0	32,838	28,644	100.0	100.0	112,833,427	87,247,090	100.0	100.0	79,555,812	62,567,117	100.0	100.0
Less than $5,000	1,113	1,148	40.9	44.0	1,258	1,433	3.8	5.0	2,838,811	2,944,486	2.5	3.4	2,254,458	2,363,626	2.8	3.8
$5,000 to $20,000	880	830	32.3	31.8	3,391	3,465	10.3	12.1	8,966,146	8,435,336	7.9	9.7	7,036,835	6,573,012	8.8	10.5
$20,000 to $100,000	541	479	19.9	18.4	7,502	7,085	22.8	24.7	24,821,122	20,580,593	22.0	23.6	19,014,184	15,438,063	23.9	24.7
$100,000 to $1,000,000	176	142	6.5	5.4	14,332	12,388	43.7	43.2	45,646,472	36,279,032	40.5	41.6	32,745,643	25,421,786	41.2	40.6
$1,000,000 and over	12	9	0.4	0.3	6,355	4,273	19.4	14.9	30,560,876	19,007,643	27.1	21.8	18,504,697	12,770,630	23.3	20.4
Slaughtering and meat packing	98	109	100.0	100.0	31,627	26,705	100.0	100.0	489,230,324	389,594,906	100.0	100.0	77,215,741	45,618,899	100.0	100.0
Less than $5,000	6	6	6.1	5.5	4	6	(2)	(2)	13,812	21,099	(2)	(2)	5,604	9,583	(2)	(2)
$5,000 to $20,000	12	13	12.2	11.9	25	31	0.1	0.1	132,515	146,451	(2)	(2)	47,513	44,381	0.1	0.1
$20,000 to $100,000	13	23	13.3	21.1	56	134	0.2	0.5	666,245	1,203,290	0.1	0.3	167,207	225,779	0.2	0.5
$100,000 to $1,000,000	35	43	35.7	39.4	1,006	1,249	3.2	4.7	14,402,040	15,448,649	2.9	4.0	2,269,061	2,411,898	2.9	5.3
$1,000,000 and over	32	24	32.7	22.0	30,536	25,285	96.5	94.7	474,015,712	372,775,417	96.9	95.7	74,726,356	42,927,258	96.8	94.1

[1] Includes the groups "less than $5,000" and "$5,000 to $20,000."

[2] Less than one-tenth of 1 per cent.

[3] Includes the group "$1,000,000 and over."

In a majority of the industries presented in Table 20 he small establishments—those reporting products alued at less than $20,000—formed a decreasing proortion of the total in 1914 as compared with 1909, mployed a relatively smaller number of wage earners, nd show a decline in the proportion which the value f products formed of the total manufactures of the tate. The manufacture of leather goods is the only ndustry in the table in which the small establishments how a pronounced increase in all the items. On the vhole, the very large factories—those reporting prodicts valued at $1,000,000 and over—constituted greater proportions of their respective industry totals n 1914 than in 1909. Establishments of this size showed very substantial increases from 1909 to 1914 n all items given in the table in the following industries: Slaughtering and meat packing; printing and publishing; the flour-milling industry; the manufacture of paints and varnishes; canning and preserving; and copper, tin, and sheet-iron products. In most industries establishments having products valued at $100,000 and over show proportional increases in average number of wage earners and value of products.

Table 21 presents, for 1914, for all industries combined in each of the 35 cities having more than 10,000 inhabitants, for which figures can be shown, statistics similar to those given in Table 19 for the state.

Table 21 — City and value of product	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
ALTON	76	2,662	100.0	$12,864,532	100.0	$4,260,174	100.0
Less than $5,000	21	23	0.9	54,942	0.4	34,567	0.8
$5,000 to $20,000	32	164	6.2	334,546	2.6	219,096	5.1
$20,000 to $100,000	12	210	7.9	659,287	5.1	317,801	7.5
$100,000 to $1,000,000	7	622	23.4	1,739,085	13.5	669,461	15.7
$1,000,000 and over	4	1,643	61.7	10,076,672	78.3	3,019,249	70.9
AURORA	140	4,777	100.0	10,789,383	100.0	5,529,916	100.0
Less than $5,000	42	71	1.5	111,117	1.0	65,011	1.2
$5,000 to $20,000	46	213	4.5	469,388	4.4	285,761	5.2
$20,000 to $100,000	32	642	13.4	1,565,862	14.5	769,473	13.9
$100,000 and over [1]	20	3,851	80.6	8,643,016	80.1	4,409,671	79.7
BELLEVILLE	129	2,450	100.0	5,727,269	100.0	2,821,330	100.0
Less than $5,000	60	94	3.8	158,068	2.8	95,430	3.4
$5,000 to $20,000	36	215	8.8	380,990	6.6	213,629	7.6
$20,000 to $100,000	17	374	15.3	610,781	10.7	369,622	13.1
$100,000 to $1,000,000	16	1,767	72.1	4,577,430	79.9	2,142,658	75.9
BLOOMINGTON	100	2,384	100.0	4,803,808	100.0	2,720,144	100.0
Less than $5,000	35	41	1.7	99,570	2.1	69,463	2.5
$5,000 to $20,000	30	86	3.6	307,384	6.4	181,382	6.7
$20,000 to $100,000	25	335	14.1	1,218,550	25.4	594,628	21.9
$100,000 and over [1]	10	1,922	80.6	3,178,307	66.1	1,874,671	68.9
CAIRO	61	1,522	100.0	4,583,530	100.0	1,537,408	100.0
Less than $5,000	7	11	0.7	18,280	0.4	11,448	0.7
$5,000 to $20,000	23	84	5.5	219,041	4.8	141,117	9.2
$20,000 to $100,000	18	280	18.4	767,800	16.7	363,696	23.7
$100,000 to $1,000,000	13	1,147	75.4	3,578,418	78.1	1,021,147	66.4
CENTRALIA	30	237	100.0	767,533	100.0	322,281	100.0
Less than $5,000	8	8	3.4	14,883	1.9	9,941	3.1
$5,000 to $20,000	13	62	26.2	135,608	17.7	85,333	26.5
$20,000 and over [2]	9	167	70.5	617,042	80.4	227,007	70.4
CHAMPAIGN	59	382	100.0	1,244,696	100.0	611,575	100.0
Less than $5,000	18	12	3.1	37,132	3.0	20,859	3.4
$5,000 to $20,000	25	94	24.6	227,734	18.3	131,286	21.5
$20,000 to $100,000	13	184	48.2	591,280	47.5	266,161	43.5
$100,000 to $1,000,000	3	92	24.1	388,550	31.2	193,269	31.6

[1] Includes the group "$1,000,000 and over."

Table 21—Con. — City and value of product	Number of establishments.	Wage earners.		Value of product.		Value added by manufacture.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
CHICAGO	10,115	313,710	100.0	$1,483,498,416	100.0	$581,565,022	100.0
Less than $5,000	2,739	2,776	0.9	6,876,988	0.5	4,639,872	0.8
$5,000 to $20,000	3,369	15,201	4.8	35,184,617	2.4	22,367,985	3.8
$20,000 to $100,000	2,477	41,071	13.1	116,241,085	7.8	67,537,300	11.6
$100,000 to $1,000,000	1,317	108,189	34.5	387,218,841	26.1	194,611,057	33.5
$1,000,000 and over	213	146,473	46.7	937,976,885	63.2	292,408,808	50.3
CHICAGO HEIGHTS	77	4,288	100.0	14,485,569	100.0	6,801,047	100.0
Less than $5,000	17	14	0.3	41,910	0.3	24,011	0.4
$5,000 to $20,000	16	70	1.6	166,162	1.1	93,558	1.4
$20,000 to $100,000	13	246	5.7	601,489	4.2	289,810	4.3
$100,000 to $1,000,000	28	2,638	61.5	9,570,499	66.1	4,445,814	65.4
$1,000,000 and over	3	1,320	30.8	4,105,509	28.3	1,947,854	28.6
DANVILLE	100	2,109	100.0	5,291,160	100.0	2,363,004	100.0
Less than $5,000	35	40	1.9	84,208	1.6	51,617	2.2
$5,000 to $20,000	28	138	6.5	317,862	6.0	167,655	7.1
$20,000 to $100,000	25	366	17.4	942,057	17.8	272,364	11.5
$100,000 and over [1]	12	1,565	74.2	3,947,033	74.6	1,871,368	79.2
DECATUR	126	4,003	100.0	11,957,406	100.0	5,291,660	100.0
Less than $5,000	36	48	1.2	91,326	0.8	63,204	1.2
$5,000 to $20,000	40	175	4.4	445,100	3.7	237,524	4.5
$20,000 to $100,000	26	536	13.4	1,326,522	11.1	718,810	13.6
$100,000 and over [1]	24	3,244	81.0	10,094,458	84.4	4,272,122	80.7
EAST ST. LOUIS	125	5,863	100.0	26,904,565	100.0	9,481,139	100.0
Less than $5,000	20	14	0.2	46,510	0.2	24,694	0.3
$5,000 to $20,000	48	184	3.1	487,933	1.8	261,414	2.8
$20,000 to $100,000	25	371	6.3	1,054,520	3.9	537,506	5.7
$100,000 to $1,000,000	27	3,026	51.6	11,398,379	42.4	5,026,164	53.0
$1,000,000 and over	5	2,268	38.7	13,917,223	51.7	3,631,361	38.3
ELGIN	91	5,529	100.0	10,491,829	100.0	6,220,931	100.0
Less than $5,000	23	16	0.3	56,456	0.5	37,194	0.6
$5,000 to $20,000	26	114	2.1	258,656	2.5	166,368	2.7
$20,000 to $100,000	24	350	6.3	1,026,461	9.8	565,629	9.1
$100,000 and over [1]	18	5,049	91.3	9,150,256	87.2	5,451,740	87.6
FREEPORT	63	2,566	100.0	7,446,977	100.0	3,537,367	100.0
Less than $5,000	10	15	0.6	25,676	0.3	16,323	0.5
$5,000 to $20,000	22	131	5.1	246,682	3.3	148,026	4.2
$20,000 to $100,000	16	235	9.2	756,185	10.2	390,463	11.0
$100,000 and over [1]	15	2,185	85.1	6,418,434	86.2	2,982,555	84.3
GALESBURG	60	1,362	100.0	3,192,129	100.0	1,677,499	100.0
Less than $5,000	12	10	0.7	26,400	0.8	15,607	0.9
$5,000 to $20,000	16	74	5.4	177,993	5.6	105,661	6.3
$20,000 to $100,000	26	450	33.0	1,358,542	42.6	713,392	42.5
$100,000 to $1,000,000	6	828	60.8	1,629,194	51.0	842,839	50.2
GRANITE CITY	39	5,090	100.0	17,903,162	100.0	8,057,890	100.0
Less than $5,000	15	18	0.4	41,249	0.2	26,981	0.3
$5,000 to $20,000	10	34	0.7	103,584	0.6	65,763	0.8
$20,000 to $100,000	4	71	1.4	206,132	1.2	106,448	1.3
$100,000 to $1,000,000	4	502	9.9	1,561,094	8.7	819,226	10.2
$1,000,000 and over	6	4,465	87.7	15,991,103	89.3	7,039,472	87.4
JACKSONVILLE	63	932	100.0	2,355,192	100.0	994,948	100.0
Less than $5,000	18	18	1.9	45,711	1.9	29,654	3.0
$5,000 to $20,000	25	110	11.8	255,619	10.9	146,042	14.7
$20,000 to $100,000	14	161	17.3	553,947	23.5	295,535	29.7
$100,000 to $1,000,000	6	643	69.0	1,499,915	63.7	523,717	52.6
JOLIET	136	4,999	100.0	30,091,415	100.0	10,054,916	100.0
Less than $5,000	39	37	0.7	81,027	0.3	52,479	0.5
$5,000 to $20,000	53	219	4.4	558,177	1.9	329,144	3.3
$20,000 to $100,000	23	373	7.5	1,055,808	3.5	561,242	5.6
$100,000 and over [1]	21	4,370	87.4	28,396,403	94.4	9,112,051	90.6
KANKAKEE	53	1,430	100.0	3,193,020	100.0	1,489,211	100.0
Less than $5,000	10	11	0.8	27,114	0.8	14,709	1.0
$5,000 to $20,000	20	100	7.0	222,727	7.0	114,809	7.7
$20,000 to $100,000	14	231	16.2	615,694	19.3	327,446	22.0
$100,000 to $1,000,000	9	1,088	76.1	2,327,485	72.9	1,032,247	69.3
KEWANEE	31	2,837	100.0	5,446,615	100.0	2,760,825	100.0
Less than $5,000	7	7	0.2	14,843	0.3	7,418	0.3
$5,000 to $20,000	12	43	1.5	132,049	2.4	80,452	2.9
$20,000 to $100,000	8	102	3.6	435,217	8.0	236,320	8.6
$100,000 and over [1]	4	2,685	94.6	4,864,506	89.3	2,436,635	88.2
LINCOLN	40	239	100.0	560,637	100.0	276,944	100.0
Less than $5,000	15	20	8.4	29,396	5.2	17,670	6.4
$5,000 to $20,000	18	91	38.1	187,547	33.5	102,240	36.9
$20,000 and over [2]	7	128	53.6	343,694	61.3	157,034	56.7
MATTOON	47	735	100.0	1,543,727	100.0	850,529	100.0
Less than $5,000	18	16	2.2	40,734	2.6	25,519	3.0
$5,000 to $20,000	12	31	4.2	123,432	8.0	58,015	6.8
$20,000 to $100,000	13	184	25.0	650,241	42.1	294,088	34.6
$100,000 to $1,000,000	4	504	68.6	729,320	47.2	472,907	55.6

[2] Includes the group "$100,000 to $1,000,000."

Table 21—Con. City and value of product.	Number of establishments.	Wage earners. Average number.	Wage earners. Per cent of total.	Value of products. Amount.	Value of products. Per cent of total.	Value added by manufacture. Amount.	Value added by manufacture. Per cent of total.
MOLINE	108	5,053	100.0	$19,925,106	100.0	$9,537,768	100.0
Less than $5,000	41	40	0.8	109,302	0.5	77,515	0.8
$5,000 to $20,000	30	87	1.7	279,501	1.4	179,921	1.9
$20,000 to $100,000	15	240	4.7	642,620	3.2	354,249	3.7
$100,000 to $1,000,000	17	1,784	35.3	5,761,638	28.9	2,877,724	30.2
$1,000,000 and over	5	2,902	57.4	13,132,045	65.9	6,048,359	63.4
OAK PARK	47	268	100.0	1,555,083	100.0	1,062,626	100.0
Less than $5,000	22	13	4.9	56,769	3.7	35,892	3.4
$5,000 to $20,000	14	47	17.5	132,824	8.5	78,066	7.3
$20,000 to $100,000	8	66	24.6	307,106	19.7	208,789	19.6
$100,000 to $1,000,000	3	142	53.0	1,058,384	68.1	739,879	69.6
PEKIN	44	634	100.0	9,609,500	100.0	5,637,347	100.0
Less than $5,000	15	17	2.7	35,481	0.4	21,859	0.4
$5,000 to $20,000	19	95	15.0	223,179	2.3	118,523	2.1
$20,000 to $100,000	4	48	7.6	214,396	2.2	140,648	2.5
$100,000 and over[1]	6	474	74.8	9,136,444	95.1	5,356,317	95.0
PEORIA	283	6,285	100.0	64,689,045	100.0	43,400,170	100.0
Less than $5,000	74	99	1.6	226,825	0.3	153,449	0.3
$5,000 to $20,000	91	393	6.3	985,047	1.5	601,682	1.4
$20,000 to $100,000	69	1,102	17.5	3,236,529	5.0	1,629,547	3.8
$100,000 to $1,000,000	39	3,018	48.0	12,142,200	18.8	5,206,778	12.0
$1,000,000 and over	10	1,673	26.6	48,098,444	74.4	35,808,714	82.5
QUINCY	194	3,067	100.0	9,556,918	100.0	5,122,325	100.0
Less than $5,000	63	54	1.8	139,603	1.5	88,132	1.7
$5,000 to $20,000	59	283	9.2	679,093	7.1	394,611	7.7
$20,000 to $100,000	46	908	29.6	2,387,837	25.0	1,167,365	22.8
$100,000 to $1,000,000	26	1,822	59.4	6,350,385	66.4	3,472,217	67.8
ROCK ISLAND	106	1,837	100.0	6,487,359	100.0	3,076,926	100.0
Less than $5,000	40	40	2.2	86,458	1.3	63,921	2.1
$5,000 to $20,000	32	144	7.8	371,271	5.7	239,551	7.8
$20,000 to $100,000	25	350	19.1	1,081,270	16.7	633,698	20.6
$100,000 and over[1]	9	1,303	70.9	4,948,360	76.3	2,139,756	69.5
ROCKFORD	265	10,472	100.0	26,371,219	100.0	12,957,688	100.0
Less than $5,000	56	46	0.4	133,134	0.5	89,059	0.7
$5,000 to $20,000	76	303	2.9	835,193	3.2	494,956	3.8
$20,000 to $100,000	72	1,522	14.5	3,609,328	13.7	1,963,260	15.2
$100,000 to $1,000,000	58	6,874	65.6	17,553,734	66.6	8,676,465	67.0
$1,000,000 and over	3	1,727	16.5	4,239,830	16.1	1,733,948	13.4
SPRINGFIELD	189	4,157	100.0	11,769,969	100.0	5,888,288	100.0
Less than $5,000	59	69	1.6	148,976	1.3	101,313	1.7
$5,000 to $20,000	72	344	8.3	866,566	7.4	506,584	8.6
$20,000 to $100,000	38	618	14.9	1,684,509	14.3	890,269	15.1
$100,000 to $1,000,000	17	1,696	40.8	5,149,926	43.7	2,738,180	46.5
$1,000,000 and over	3	1,430	34.4	3,919,992	33.3	1,651,942	28.1
STREATOR	60	1,763	100.0	3,886,617	100.0	2,124,124	100.0
Less than $5,000	19	34	1.9	53,685	1.4	33,941	1.6
$5,000 to $20,000	22	83	4.7	204,297	5.2	105,770	5.0
$20,000 to $100,000	13	260	14.7	524,444	13.5	253,336	11.9
$100,000 and over[1]	6	1,386	78.6	3,104,191	79.9	1,731,077	81.5
ALL OTHER CITIES[2]	161	5,334	100.0	24,246,083	100.0	9,566,895	100.0
Less than $5,000	53	47	0.9	145,308	0.6	90,880	0.9
$5,000 to $20,000	62	257	4.8	653,368	2.7	370,563	3.9
$20,000 to $100,000	30	450	8.4	1,148,101	4.7	727,856	7.6
$100,000 to $1,000,000	11	679	12.7	3,275,348	13.5	1,529,199	16.0
$1,000,000 and over	5	3,901	73.1	19,023,958	78.5	6,848,397	71.6

[1] Includes the group "$1,000,000 and over."
[2] All other cities embrace: Canton, Evanston, La Salle, and Waukegan. (Statistics for Cicero can not be shown without disclosure of individual operations.)

In the cities the same general condition prevails as that found throughout the state, namely, a preponderance of wage earners, value of products, and value added by manufacture for establishments having products valued at $100,000 and over. The three highest percentages of the total value of products reported by establishments in this class, 98, 95.1, and 94.8, appear for Granite City, Pekin, and Moline, respectively. The lowest percentage, 31.2, is shown for Champaign.

Table 22 shows the size of establishments in 1914 as measured by the number of wage earners employed, for all industries combined, for 38 of the important industries, and for each of the 35 cities having more than 10,000 inhabitants, for which data can be given. Table 23 presents, for 1914, percentages based on the figures in Table 22, and for 1909, similar percentages for all industries combined and for individual industries.

Of the total number of establishments for all industries combined, 2,613, or 14.2 per cent, employed no wage earners in 1914. These are comparatively small plants in which the work was done by the proprietors or firm members. Some of these establishments employed a few wage earners for a short time, but the number was so small and the period of employment so short that in computing the average number, as described in the "Explanation of terms" no wage earners could be shown.

Nearly one-half of all establishments in the state employed from 1 to 5 wage earners only. The next largest group—those employing from 6 to 20 wage earners—constituted 18.8 per cent of the total. These small establishments, which together represent 68 per cent of the total, furnished employment to but 11.7 per cent of the wage earners engaged in manufactures in 1914, as compared with 12.9 per cent in 1909.

The groups of establishments having more than 100 wage earners, although only 5 per cent of the total, employed 67.3 per cent of the total wage earners. The percentage of the total wage earners reported by each of the groups of establishments employing more than 100 wage earners, with the exception of the groups comprising those employing from 101 to 250, and 251 to 500, increased from 1909 to 1914; and the percentage employed in these groups of establishments combined increased from 65.1 to 67.3 per cent during the five-year period.

The small establishments—those employing 1 to 5 wage earners—predominate in the following industries: The manufacture of bakery products, carriages and wagons and materials, copper, tin, and sheet-iron products, flour, leather goods, printing and publishing, and tobacco. Among the industries in which the very large establishments occur—those employing over 250 wage earners—the most important are the steam-railroad repair shops, the construction of cars for steam railroads, the manufacture of agricultural implements, men's clothing, electrical machinery, clocks and watches, the slaughtering and meat-packing industry, and the iron and steel rolling mills.

Among the cities, the highest percentages of the total number of wage earners reported by establishments employing more than 100 wage earners each are shown for Kewanee, 93.7 per cent; La Salle, 89; Granite City, 84.2; Moline, 84.1; Elgin, 79.6; and Joliet, 79.

Table 22

Industry and city.	Total.		Establishments employing—																
			No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.		51 to 100 wage earners.		101 to 250 wage earners.		251 to 500 wage earners.		501 to 1,000 wage earners.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	18,388	506,943	2,613	9,039	20,331	3,466	38,952	1,549	49,761	800	56,941	571	87,771	210	72,283	94	65,657	46	115,247
Agricultural implements	73	19,556	1	23	54	7	95	7	217	8	587	10	1,640	8	2,836	6	3,965	3	10,162
Automobiles, including bodies and parts	91	2,545	3	31	92	25	312	23	760	3	235	4	529	2	617				
Boots and shoes, including cut stock and findings	57	6,397	5	12	25	12	120	4	123	7	545	11	1,927	3	1,017	2	1,610	1	1,030
Boxes, fancy and paper	80	4,586		10	35	24	329	27	873	9	745	5	719	4	1,361	1	524		
Bread and other bakery products	2,278	10,404	315	1,715	3,512	202	1,890	26	752	6	411	8	1,154	4	1,245	2	1,440		
Brick, tile, pottery, and other clay products	235	8,610	4	99	294	61	721	27	906	25	1,817	14	2,240	2	608	3	2,024		
Canning and preserving	117	2,560	6	51	142	23	262	20	641	13	964	4	551						
Carriages and wagons and materials	296	4,861	33	175	390	50	479	19	686	5	345	9	1,304	5	1,657				
Cars and general shop construction and repairs by steam-railroad companies	94	28,682		1	2	12	178	10	315	17	1,234	21	3,387	18	6,502	9	5,869	6	11,195
Cars, steam-railroad, not including operations of railroad companies	23	18,000		1	5	1	9	5	162	4	310	1	180	5	2,023	2	1,603	4	13,708
Clocks and watches, including cases and materials	15	5,688	2	4	9	3	46	2	75					1	473	1	939	2	4,146
Clothing, men's, including shirts	604	35,119	21	113	311	226	2,837	141	4,456	58	4,035	23	3,929	10	3,624	8	5,514	4	10,413
Clothing, womens	241	8,113	3	43	126	86	1,112	63	2,002	31	2,129	12	1,536	2	612	1	596		
Confectionery	147	5,009	12	58	138	33	380	22	652	8	590	10	1,400	2	600	2	1,249		
Copper, tin, and sheet-iron products	508	7,445	50	327	700	77	778	29	909	11	750	8	1,295	4	1,693	2	1,320		
Electrical machinery, apparatus, and supplies	142	16,483	5	46	122	39	491	23	693	12	802	12	1,716	2	740	1	612	2	11,307
Flour-mill and gristmill products	406	2,398	69	249	503	57	627	23	678	8	590								
Foundry and machine-shop products	1,371	55,261	65	565	1,478	353	4,108	179	5,775	85	5,894	81	12,789	28	9,595	12	8,146	3	7,476
Furnishing goods, men's	58	2,775	2	11	20	22	273	12	450	3	209	5	706	3	1,117				
Furniture and refrigerators	283	13,766	9	65	180	77	928	50	1,716	47	3,458	28	4,402	6	2,035			1	1,047
Gas and electric fixtures and lamps and reflectors	76	2,078	8	25	75	21	227	9	300	6	378	7	1,098						
Gas, illuminating and heating	75	3,890	2	33	84	19	213	13	436	7	493							1	2,664
Glass	10	3,764				1	17			1	53	4	662	2	663	1	971	1	1,398
Hosiery and knit goods	46	3,535	4	11	34	8	91	7	212	4	274	8	1,207	3	1,005	1	712		
Iron and steel, steel works and rolling mills	25	15,408								3	242	7	1,002	7	2,225	3	2,266	5	9,673
Leather goods	304	2,325	51	177	330	50	604	16	495	8	505	2	391						
Leather, tanned, curried, and finished	28	2,678	1	1	2	6	66	4	89	8	648	6	970	1	370	1	533		
Liquors, malt	89	5,749	2	4	15	26	366	24	786	21	1,549	8	1,132	3	1,113	1	788		
Lumber and timber products	618	14,870	21	304	651	164	1,981	62	2,092	35	2,523	23	3,220	5	1,641	4	2,762		
Millinery and lace goods	102	3,323		26	92	39	446	17	506	13	941	6	1,005	1	333				
Musical instruments, pianos and organs and materials	71	8,334	2	15	44	10	136	11	399	11	805	12	1,895	8	2,932	1	729	1	1,394
Paints and varnishes	72	2,110	4	30	80	17	179	8	312	6	462	6	743	1	334				
Printing and publishing	2,722	32,838	789	1,224	2,939	424	4,622	166	5,138	52	3,419	46	7,092	15	4,738	5	3,764	1	1,126
Slaughtering and meat packing	98	31,627	5	26	73	13	160	19	631	12	813	8	1,191	5	1,699	1	800	9	26,260
Smelting and refining, zinc	8	3,573								1	70	3	572	1	379	3	2,552		
Soap	27	2,144	3	10	26	5	57	2	76	1	65	3	366	1	448	2	1,106		
Stoves and furnaces, including gas and oil stoves	70	3,917	3	16	44	20	265	9	305	10	727	9	1,543	3	1,033				
Tobacco manufactures	1,622	7,653	557	832	1,719	188	1,794	28	815	10	715	4	599	1	336	2	1,675		
All other industries	5,206	98,869	556	2,706	5,985	1,065	11,753	442	14,328	231	16,609	143	21,679	44	14,679	17	11,588	2	2,248
Total for cities [1]	13,218	408,976	1,881	5,731	13,856	2,924	33,102	1,301	41,495	647	45,721	459	69,938	163	56,022	74	52,681	38	96,161
Alton	76	2,662	6	36	89	20	198	6	191	4	333	3	453					1	1,398
Aurora	140	4,777	14	63	165	36	389	12	410	5	355	5	859	4	1,220			1	1,379
Belleville	129	2,450	15	69	179	24	248	6	196	7	493	8	1,334						
Bloomington	100	2,384	16	52	120	18	203	8	231	3	203	2	258					1	1,369
Cairo	61	1,522	2	28	79	18	213	7	247	4	281	1	143			1	559		
Canton	34	920	2	19	32	8	84	3	89	1	57					1	658		
Centralia	30	237		21	54	8	67					1	116						
Champaign	59	382	8	35	85	10	101	5	143	1	53								
Chicago	10,115	313,710	1,534	4,283	10,251	1,231	15,558	1,035	33,074	489	34,072	343	52,226	118	40,778	55	39,181	27	78,570
Chicago Heights	77	4,288	6	24	50	15	159	9	356	10	745	10	1,658	2	736	1	584		
Danville	100	2,109	8	53	122	23	231	9	259	4	264	1	154	1	376	1	703		
Decatur	126	4,003	12	49	132	35	330	11	324	10	662	6	859	1	381	2	1,315		
East St. Louis	125	5,863	12	50	131	34	400	12	389	5	393	7	1,122	2	806	2	1,590	1	1,032
Elgin	91	5,529	9	36	84	26	302	7	258	6	484	4	557	2	874			1	2,970
Evanston	49	924	8	27	70	9	77	4	135							1	642		
Freeport	63	2,566		31	88	17	207	4	139	4	330	4	693	3	1,109				
Galesburg	60	1,362	3	21	38	25	301	8	237	1	62	1	143			1	581		
Granite City	39	5,090	3	21	46	5	69	2	68			4	618	1	286	1	725	2	3,275
Jacksonville	63	932	6	33	85	16	157	3	74	3	260	2	356						
Joliet	136	4,999	20	63	171	30	304	12	387	3	185	1	162	6	1,832			1	1,958
Kankakee	53	1,430	3	23	66	16	171	3	111	5	365	1	124	2	593				
Kewanee	31	2,837	2	18	39	5	63	3	75					1	332	1	738	1	1,590
La Salle	30	1,214	3	18	45	6	66	1	23					1	258	1	822		
Lincoln	40	239	3	25	68	9	88	3	83										
Mattoon	47	735	3	29	50	9	108	3	101	1	99	2	377						
Moline	108	5,053	18	54	109	11	133	8	246	4	318	7	1,079	4	1,246	1	826	1	1,096
Oak Park	47	268	16	24	53	2	19	4	142	1	54								
Pekin	44	634	3	24	48	11	113	2	69	2	147	2	257						
Peoria	283	6,285	35	117	343	70	766	28	821	14	1,047	16	2,195	2	580	1	533		
Quincy	194	3,067	36	80	198	41	500	21	682	13	1,003	2	322	1	362				
Rock Island	106	1,837	18	47	111	28	290	5	144	4	294	2	266	2	732				
Rockford	265	10,472	29	94	240	52	594	33	1,051	33	2,437	15	2,418	7	2,417	2	1,315		
Springfield	189	4,157	16	107	266	38	412	14	442	6	396	4	598	3	1,104	1	939		
Streator	60	1,763	5	33	85	13	135	4	116	1	77	3	380			1	970		
Waukegan	48	2,276	7	24	64	5	46	6	182	3	252	2	211					1	1,521

[1] Statistics for Cicero can not be shown without disclosure of individual operations.

Table 23

Industry and city.	Census year.	Per cent of total average number of wage earners in establishments employing specified number.							
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
All industries	1914	4.0	7.7	9.8	11.2	17.3	14.3	13.0	22.7
	1909	4.3	8.6	11.1	10.9	17.8	14.3	12.4	20.6
Agricultural implements	1914	0.3	0.5	1.1	3.0	8.4	14.5	20.3	52.0
	1909	0.2	1.0	0.9	3.2	9.8	11.0	15.9	58.0
Automobiles, including bodies and parts.	1914	3.6	12.3	29.9	9.2	20.8	24.2	.....	.....
	1909	2.7	6.5	16.9	19.6	30.9	23.3	.....	.....
Boots and shoes, including cut stock and findings.	1914	0.4	1.9	1.9	8.5	30.1	15.9	25.2	16.1
	1909	0.5	2.1	6.4	6.9	26.4	24.4	33.2	.....
Boxes, fancy and paper	1914	0.8	7.2	19.0	16.2	15.7	29.7	11.4	.....
	1909	1.0	4.7	16.1	12.9	25.6	17.9	21.8	.....
Bread and other bakery products.	1914	33.8	18.2	7.2	4.0	11.1	12.0	13.8	.....
	1909	35.7	20.6	5.0	2.5	18.1	10.6	7.6	.....
Brick, tile, pottery, and other clay products.	1914	3.4	8.4	10.5	21.1	26.0	7.1	23.5	.....
	1909	5.8	12.2	12.3	14.8	28.8	3.1	12.4	10.6
Canning and preserving	1914	5.5	10.2	25.0	37.7	21.5	.....	.....	.....
	1909	5.9	13.5	27.9	29.8	23.0	.....	.....	.....
Carriages and wagons and materials.	1914	8.0	9.9	14.1	7.1	26.8	34.1	.....	.....
	1909	8.5	12.1	9.2	12.5	20.8	28.1	8.9	.....
Cars and general shop construction, and repairs by steam-railroad companies.	1914	(1)	0.6	1.1	4.3	11.8	22.7	20.5	39.0
	1909	0.1	0.5	1.4	1.9	13.1	17.8	25.5	39.7
Cars, steam-railroad, not including operations of railroad companies.	1914	(1)	0.1	0.9	1.7	1.0	11.2	8.9	76.2
	1909	(1)	0.5	1.9	1.3	12.7	15.0	22.9	45.7
Clocks and watches, including cases and materials.	1914	0.2	0.8	1.3	.....	.....	8.3	16.5	72.9
	1909	0.2	0.7	0.4	2.6	3.7	7.0	24.9	60.5
Clothing, men's, including shirts.	1914	0.9	8.1	12.7	11.5	11.2	10.3	15.7	29.7
	1909	1.0	10.1	16.1	11.2	8.8	11.6	11.7	29.5
Clothing, women's	1914	1.6	13.7	24.7	26.2	18.9	7.5	7.3	.....
	1909	2.3	18.4	30.2	21.3	17.0	10.8	.....	.....
Confectionery	1914	2.8	7.6	13.0	11.8	27.9	12.0	24.9	.....
	1909	4.2	9.0	14.0	11.6	31.5	29.7	.....	.....
Copper, tin, and sheet-iron products.	1914	9.4	10.4	12.2	10.1	17.4	22.7	17.7	.....
	1909	9.3	16.2	10.0	10.4	20.6	19.7	.....	13.7
Electrical machinery, apparatus, and supplies.	1914	0.7	3.0	4.2	4.9	10.4	4.5	3.7	68.6
	1909	1.5	4.9	5.5	10.0	7.2	4.5	6.9	59.4
Flour-mill and gristmill products.	1914	21.0	26.1	28.3	24.6	.....	.....	.....	.....
	1909	25.7	27.8	29.1	17.4	.....	.....	.....	.....
Foundry and machine-shop products.	1914	2.7	7.4	10.5	10.7	23.1	17.4	14.7	13.5
	1909	2.2	7.3	12.1	9.6	23.7	20.0	11.2	14.0
Furnishing goods, men's	1914	0.7	9.8	16.2	7.5	25.4	40.3	.....	.....
	1909	1.4	7.5	16.0	13.6	35.1	26.3	.....	.....
Furniture and refrigerators	1914	1.3	6.7	12.5	25.1	32.0	14.8	.....	7.6
	1909	1.3	5.4	13.8	21.8	31.5	12.3	13.9	.....
Gas and electric fixtures and lamps and reflectors.	1914	3.6	10.9	14.4	18.2	52.8	.....	.....	.....
	1909	4.1	13.7	10.2	18.1	40.5	13.4	.....	.....
Gas, illuminating and heating	1914	2.2	5.5	11.2	12.7	.....	.....	.....	68.5
	1909	1.3	3.4	4.3	11.5	8.5	.....	.....	70.9
Glass	1914	.....	0.5	.....	1.4	17.6	17.6	25.8	37.1
	1909	.....	0.4	0.7	5.0	14.0	20.2	18.2	41.6
Hosiery and knit goods	1914	1.0	2.6	6.0	7.8	34.1	28.4	20.1	.....
	1909	1.3	4.9	6.9	6.1	15.6	65.2	.....	.....
Iron and steel, steel works and rolling mills.	1914	.....	.....	.....	1.6	6.5	14.4	14.7	62.8
	1909	.....	.....	0.2	1.0	7.0	8.6	14.8	68.3
Leather goods	1914	14.2	26.0	21.3	21.7	16.8	.....	.....	.....
	1909	8.5	17.4	26.1	18.6	20.1	9.3	.....	.....
Leather, tanned, curried, and finished.	1914	0.1	2.5	3.3	24.2	36.2	13.8	19.9	.....
	1909	0.2	3.1	4.6	12.2	37.5	20.7	21.8	.....
Liquors, malt	1914	0.3	6.4	13.7	26.9	19.7	19.4	13.7	.....
	1909	0.9	11.1	26.2	31.2	14.6	16.1	.....	.....
Lumber and timber products	1914	4.4	13.3	14.1	17.0	21.7	11.0	18.6	.....
	1909	5.5	12.0	15.0	17.9	20.8	21.0	7.8	.....
Millinery and lace goods	1914	2.8	13.4	15.2	28.3	30.2	10.0	.....	.....
	1909	2.0	13.3	23.3	22.1	21.0	18.4	.....	.....
Musical instruments, pianos and organs and materials.	1914	0.5	1.6	4.8	9.7	22.7	35.2	8.7	16.7
	1909	0.3	2.5	5.4	4.8	22.5	29.6	17.5	17.4
Paints and varnishes	1914	3.8	8.5	14.8	21.9	35.2	15.8	.....	.....
	1909	6.1	9.2	26.8	22.0	35.9	.....	.....	.....
Printing and publishing	1914	8.9	14.1	15.6	10.4	21.6	14.4	11.5	3.4
	1909	10.3	16.4	15.7	13.2	18.8	11.5	14.2	.....
Slaughtering and meat packing.	1914	0.2	0.5	2.0	2.6	3.8	5.4	2.5	83.0
	1909	0.3	1.0	2.7	3.3	3.6	1.0	6.1	82.0
Smelting and refining, zinc	1914	.....	.....	.....	2.0	16.0	10.6	71.4	.....
	1909	.....	.....	.....	.....	14.7	18.0	67.3	.....
Soap	1914	1.2	2.7	3.5	3.0	17.1	20.9	51.6	.....
	1909	1.9	1.9	7.5	2.6	14.7	12.2	59.1	.....
Stoves and furnaces, including gas and oil stoves.	1914	1.1	6.8	7.8	18.6	39.4	26.4	.....	.....
	1909	1.0	3.4	11.1	13.4	41.1	30.1	.....	.....
Tobacco manufacture	1914	22.5	23.4	10.6	9.3	7.8	4.4	21.9	.....
	1909	24.5	26.9	12.3	9.7	10.0	.....	16.6	.....
All other industries	1914	6.1	11.3	14.5	16.8	21.9	14.8	11.7	2.3
	1909	6.1	12.5	15.5	16.0	21.9	15.9	12.1	.....
Totals for cities [2]	1914	3.4	8.1	10.1	11.2	17.1	13.7	12.9	23.5
Alton	1914	3.3	7.4	7.2	12.5	17.0	.....	.....	52.5
Aurora	1914	3.5	8.1	8.6	7.4	18.0	25.5	.....	28.9
Belleville	1914	7.3	10.1	8.0	20.1	54.4	.....	.....	.....
Bloomington	1914	5.0	8.5	9.7	8.5	10.8	.....	.....	57.4
Cairo	1914	5.2	14.0	16.2	18.5	9.4	.....	36.7	.....
Canton	1914	3.5	9.1	9.7	6.2	.....	.....	71.5	.....
Centralia	1914	22.8	28.3	.....	.....	48.9	.....	.....	.....
Champaign	1914	22.3	26.4	37.4	13.9	.....	.....	.....	.....
Chicago	1914	3.3	8.1	10.5	10.9	16.6	13.0	12.5	25.0
Chicago Heights	1914	1.2	3.7	8.3	17.3	38.7	17.2	13.6	.....
Danville	1914	5.8	11.0	12.3	12.5	7.3	17.8	33.3	.....
Decatur	1914	3.3	8.2	8.1	16.5	21.5	9.5	32.9	.....
East St. Louis	1914	2.2	6.8	6.6	6.7	19.1	13.7	27.1	17.6
Elgin	1914	1.5	5.5	4.7	8.8	10.1	15.8	.....	53.7
Evanston	1914	7.6	8.3	14.6	.....	.....	.....	69.5	.....
Freeport	1914	3.4	8.1	5.4	12.9	27.0	43.2	.....	.....
Galesburg	1914	2.8	22.1	17.4	4.6	10.5	.....	42.7	.....
Granite City	1914	0.9	1.4	1.3	12.1	5.6	14.2	64.4	.....
Jacksonville	1914	9.1	16.8	7.9	27.9	38.2	.....	.....	.....
Joliet	1914	3.4	6.1	7.7	3.7	3.2	36.6	.....	39.2
Kankakee	1914	4.6	12.0	7.8	25.5	8.7	41.5	.....	.....
Kewanee	1914	1.4	2.2	2.6	.....	.....	11.7	26.0	56.0
La Salle	1914	3.7	5.4	1.9	.....	.....	21.3	67.7	.....
Lincoln	1914	28.5	36.8	34.7	.....	.....	.....	.....	.....
Mattoon	1914	6.8	14.7	13.7	13.5	51.3	.....	.....	.....
Moline	1914	2.2	2.6	4.9	6.3	21.4	24.7	16.3	21.7
Oak Park	1914	19.8	7.1	53.0	20.1	.....	.....	.....	.....
Pekin	1914	7.6	17.8	10.9	23.2	40.5	.....	.....	.....
Peoria	1914	5.5	12.2	13.1	16.7	34.9	9.2	8.5	.....
Quincy	1914	6.5	16.3	22.2	32.7	10.5	11.8	.....	.....
Rock Island	1914	6.0	15.8	7.8	16.0	14.5	39.8	.....	.....
Rockford	1914	2.3	5.7	10.0	23.3	23.1	23.1	12.6	.....
Springfield	1914	6.4	9.9	10.6	9.5	14.4	26.6	22.6	.....
Streator	1914	4.8	7.7	6.6	4.4	21.6	.....	55.0	.....
Waukegan	1914	2.8	2.0	8.0	11.1	9.3	.....	.....	66.8

[1] Less than one-tenth of 1 per cent.

[2] Statistics for Cicero can not be shown without disclosure of individual operations.

Engines and power.—Table 24 shows for 1914, 1909, and 1904, for all industries combined, the number and total horsepower of engines or motors employed in generating power (including electric motors operated by purchased current). It also shows separately the number and horsepower of electric motors operated by current generated in the establishments reporting.

There was an increase in primary power amounting to 292,859 horsepower, or 28.9 per cent, from 1909 to 1914, more than half of which was due to the increase in rented power. The use of rented power, now almost wholly electric, has greatly increased since 1904, when it represented only 7.2 per cent of the total primary power. In 1909 the amount of rented power had increased to 12.2 per cent of the total and in 1914 to 21.8 per cent of the total. Owned power increased by 48.5 per cent during the decade 1904–1914 and by 14.9 per cent during the last five-year period, but rep-

resented a decreasing proportion of the total primary power at each successive census. The increase in the use of electric motors run by current generated within the same establishments, although large, has not kept pace with that in rented power. The power of motors operated by current generated in the same establishments decreased from 74.6 per cent of the total electric power in 1904 to 60 per cent in 1914.

Table 24

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total	51,484	30,546	7,888	1,305,930	1,013,071	741,555	100.0	100.0	100.0
Owned	8,003	8,700	7,888	1,021,759	889,348	688,036	78.2	87.8	92.8
Steam engines and turbines [1]	6,142	6,728	6,201	947,949	839,632	660,687	72.6	82.9	89.1
Internal-combustion engines	1,672	1,755	1,447	61,500	37,025	12,319	4.7	3.7	1.7
Water wheels, turbines, and motors	189	217	240	12,310	12,691	15,030	0.9	1.3	2.0
Rented	43,481	21,846	(2)	284,171	123,723	53,519	21.8	12.2	7.2
Electric	43,481	21,846	(2)	272,662	117,007	41,978	20.9	11.5	5.7
Other	.....	.....	.....	11,509	6,716	11,541	0.9	0.7	1.6
Electric	72,094	39,278	.....	681,474	398,621	165,265	100.0	100.0	100.0
Rented	43,481	21,846	(2)	272,662	117,007	41,978	40.0	29.4	25.4
Generated by establishments reporting	28,613	17,432	8,285	408,812	281,614	123,287	60.0	70.6	74.6

[1] Figures for horsepower include for 1909 and 1904 the amounts reported under the head of "other" owned power. [2] Not reported.

The use of internal-combustion engines increased slightly during the decade. The horsepower of such engines, however, represented only 4.7 per cent of the total primary power in 1914.

During the decade 1904–1914 there was a gradual decrease in the horsepower of water wheels, turbines, and motors, which in 1904 formed 2 per cent and in 1914 nine-tenths of 1 per cent of the total primary power.

Fuel.—Closely related to the subject of power employed in manufactures is that of fuel consumed in generating the power or otherwise used in the manufacturing processes.

Table 25 shows, for 1914, the quantity of each kind of fuel used, for which data were obtained, for all industries combined and for certain industries in the state as a whole, and for all industries combined in each city.

Of the selected industries using anthracite coal for fuel, by far the larger proportion, 37.5 per cent of the total, was consumed in the smelting and refining of zinc. The industries consuming the largest proportions of bituminous coal were coke, 13.3 per cent, and iron and steel rolling mills, 11.5 per cent. Iron and steel blast furnaces consumed 72.2 per cent of the total amount of coke used as fuel.

Table 25

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).			
All industries	219,614	14,499,282	2,680,250	4,111,366	1,831,684
Agricultural implements	536	289,849	46,500	131,241	5,049
Baking powders and yeast	513	37,165	.....	21	216
Bread and other bakery products	20,523	51,938	28,701	3,180	66,668
Brick, tile, pottery, and other clay products	10,107	1,088,653	1,408	158,945	.....
Butter, cheese, and condensed milk	301	114,255	185	486	1,501
Carriages and wagons and materials	1,207	47,874	1,592	8,856	7,346
Cars and general shop construction and repairs by steam-railroad companies	553	564,195	1,696	56,063	1,326
Cars, steam-railroad, not including operations of railroad companies	2,815	149,472	10,608	138,369	10,661
Cement	.....	523,632	784	750	.....
Chemicals	.....	254,457	7,072	322	70
Coke, not including gas-house coke	.....	1,931,340	.....	.....	.....
Confectionery and ice cream	3,184	52,571	1,527	280	48,945
Copper, tin, and sheet-iron products	2,200	59,934	1,395	18,189	47,037
Cordage and twine and jute and linen goods	.....	55,219	8	.....	331
Electrical machinery, apparatus, and supplies	159	79,135	6,319	4,970	326,637
Flour-mill and gristmill products	6	206,412	558	1,726	233
Food preparations	1,429	37,230	998	778	9,257
Foundry and machine-shop products	8,722	602,741	138,612	96,570	245,183
Furniture and refrigerators	2,264	108,948	1,794	491	21,743
Gas, illuminating and heating	8,601	445,792	355,214	1,939,987	12,167
Glass	.....	397,559	.....	286,976	.....
Glucose and starch	.....	332,850	.....	50	.....
Glue, not elsewhere specified	12	89,544	.....	15	94
Grease and tallow, not including lubricating greases	.....	97,938	.....	.....	.....
Ice, manufactured	.....	322,908	215	178	90
Iron and steel, blast furnaces	.....	56,723	1,941,514	.....	.....
Iron and steel, steel works and rolling mills	583	1,670,382	40,908	848,078	962
Iron and steel forgings, not made in steel works and rolling mills	123	40,278	834	27,693	444
Leather, tanned, curried, and finished	.....	64,146	.....	10	70
Liquors, distilled	.....	255,523	952	50	.....
Liquors, malt	12,678	416,428	.....	169	1,044
Lumber and timber products	1,640	53,258	388	1,350	2,670
Malt	18,120	73,575	5,308	337	.....
Musical instruments, pianos and organs and materials	1,099	63,220	1,168	41	5,433
Paints and varnishes	35	72,456	4,212	5,126	2,418
Paper and wood pulp	.....	307,517	.....	.....	.....
Paving materials	340	57,151	16	612	.....
Petroleum, refining	890	290,899	3,630	259,939	419,966
Printing and publishing	5,586	72,908	333	1,375	108,935
Roofing materials	4	52,738	5	1,086	125
Slaughtering and meat packing	5,289	1,028,935	9,410	1,284	197,431
Smelting and refining, zinc	82,436	697,047	23,055	104	.....
Soap	11	112,409	23	621	3,343
Wire	45	164,188	1,573	.....	93
All other industries	27,603	1,007,890	50,735	115,044	284,196
Total for cities [1]	137,167	9,459,529	2,683,183	3,388,586	1,053,120
ALTON	113	187,502	815	138,011	152
AURORA	969	61,479	3,084	4,408	5,137
BELLEVILLE	2	49,069	4,084	133	1,540
BLOOMINGTON	85	42,826	5,100	11,986	1,866
CAIRO	3,060	21,810	119	336	261
CANTON	.....	27,711	6,000	6,000	341
CENTRALIA	.....	8,478	114	4	415
CHAMPAIGN	142	10,974	1,654	5,108	1,470
CHICAGO	94,122	5,273,778	1,976,396	2,026,970	870,692
CHICAGO HEIGHTS	223	150,632	10,337	133,881	1,022

[1] Excluding Cicero.

Table 25—Continued.

INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 lbs.).	COAL. Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
Danville	14	69,575	747	8,692	19
Decatur	194	99,585	4,415	17,117	5,920
East St. Louis	5,434	385,038	6,967	582,827	756
Elgin	1,365	42,356	2,458	357	2,470
Evanston	83	21,291	355	99	974
Freeport	6,132	42,443	3,421	7,885	1,176
Galesburg	26	41,997	3,028	3,339	1,581
Granite City	430	236,596	2,811	198,310	4,261
Jacksonville	16	18,702	556	346	658
Joliet	371	949,522	579,447	141	1,612
Kankakee	.....	39,703	2,050	1	419
Kewanee	.....	47,777	4,822	18,633	655
La Salle	15,072	229,108	6,956	.....	1,323
Lincoln	20	4,709	320	14	677
Mattoon	.....	15,997	318	18	762
Moline	101	68,326	12,106	41,551	3,682
Oak Park	90	11,571	16,826	96,243	307
Pekin	.....	85,101	332	156	592
Peoria	717	422,773	4,442	1,830	3,514
Quincy	165	60,941	4,332	1,408	2,958
Rock Island	54	21,220	2,383	70	3,939
Rockford	591	138,132	6,282	8,329	13,659
Springfield	7,455	155,555	7,190	4,041	117,601
Streator	54	184,450	1,241	60,377	511
Waukegan	67	232,802	1,675	9,965	198

SPECIAL STATISTICS.

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantities and cost of materials, the quantities and values of products, and other information for securing which no provision is made on the general schedule. Certain data of this character for 11 important industries and for power laundries in Illinois are here presented.

Slaughtering and meat packing.—This classification includes wholesale slaughtering and meat-packing establishments only. The following table gives the quantity and cost of the principal materials and the quantity and value of the leading products reported for the censuses of 1914, 1909, and 1904.

Table 26

	1914	1909	1904
MATERIALS.			
Total cost	$408,895,070	$341,347,677	$279,854,559
Animals slaughtered:			
Beeves—			
Number	1,864,982	2,181,199	2,643,028
Cost	$133,022,896	$109,990,873	$110,026,678
Calves—			
Number	439,616	513,639	295,928
Cost	$5,685,254	$4,720,290	$2,097,500
Sheep and lambs—			
Number	4,882,940	3,892,142	3,634,216
Cost	$27,342,079	$19,429,169	$15,155,386
Hogs—			
Number	7,205,510	7,293,544	7,854,370
Cost	$135,585,276	$107,716,321	$88,459,545
All other animals, cost	$1,211,796	(1)	$11,872
Dressed meat purchased for curing, cost	$60,686,459	$35,679,430	$18,977,058
All other materials, cost	$45,361,310	$63,811,594	$45,126,520
PRODUCTS.			
Total value	$485,362,180	$386,365,962	$317,206,082
Fresh meat:			
Beef—			
Pounds	1,000,942,830	1,142,920,916	1,376,889,532
Value	$117,139,784	$85,704,478	$91,996,884
Veal—			
Pounds	41,388,494	51,359,193	30,348,138
Value	$5,474,481	$4,781,751	$2,135,486
Mutton and lamb—			
Pounds	197,647,411	157,615,125	160,511,123
Value	$23,094,431	$15,051,397	$12,453,289
Pork—			
Pounds	374,315,928	303,896,802	260,619,428
Value	$43,380,794	$30,221,023	$18,754,198
Edible offal—			
Pounds	86,524,061	192,514,645	56,323,948
Value	$5,357,602	$11,146,711	$5,346,938
Poultry and all other fresh meat—			
Pounds	9,358,238		
Value	$1,708,356		
Cured meat:			
Beef, pickled and other cured—			
Pounds	32,738,293	53,965,719	78,334,416
Value	$5,361,447	$4,676,501	$4,931,741
Pork, pickled and other cured—			
Pounds	854,815,194	720,216,994	885,740,292
Value	$110,501,961	$78,049,000	$72,754,024
Canned goods:			
Beef—			
Pounds	101,160,342	78,155,327	73,266,797
Value	$16,260,696	$9,677,618	$6,108,692
Other—			
Pounds	11,886,958		(2)
Value	$1,827,168		$4,819,452

	1914	1909	1904
PRODUCTS—continued.			
Sausage:			
Pounds	$112,639,102	$113,631,970	$99,194,762
Value	$16,030,339	$11,654,787	$7,753,799
Lard:			
Pounds	335,695,330	403,177,806	456,577,415
Value	$36,870,104	$40,592,051	$31,463,099
Lard compounds and substitutes:			
Pounds	95,574,742	(3)	(3)
Value	$7,978,766	(3)	(3)
Oleo oil:			
Gallons	6,156,607	7,938,568	9,143,055
Value	$4,595,781	$6,694,011	$4,515,283
Tallow and oleo stock:			
Pounds	48,889,548	44,319,760	(3)
Value	$3,349,702	$2,719,969	(3)
Soap stock:			
Pounds	16,633,001	(3)	(3)
Value	$898,630	(3)	(3)
Stearin:			
Pounds	7,850,351	18,739,840	(3)
Value	$737,475	$2,380,908	(3)
Oleomargarine:			
Pounds	40,498,679	30,793,365	(3)
Value	$5,975,688	$4,413,578	(3)
Sausage casings:			
Pounds	31,421,770	(3)	(3)
Value	$4,554,942	(3)	(3)
Fertilizers and fertilizer materials:			
Tons	91,163	102,638	191,549
Value	$2,692,831	$2,614,087	$3,741,650
Glue and gelatin:			
Pounds	[4] 19,623,781	10,806,271	[4] 12,463,446
Value	[4] $1,704,326	$909,182	$785,658
Hides and pelts:			
Cattle—			
Number	1,864,982	2,408,757	2,766,594
Pounds	107,513,830	135,617,679	165,007,637
Value	$19,235,802	$19,372,440	$16,664,648
Calf—			
Number	298,429		
Pounds	4,007,169		
Value	$808,157		
Sheep—			
Number	4,880,057	3,619,577	3,632,161
Value	$3,927,174	$3,869,008	$2,895,359
Wool:			
Pounds	14,004,038	10,688,105	8,653,419
Value	$4,170,684	$4,523,534	$2,385,020
All other products, value	$41,725,059	$47,313,928	$27,700,862

[1] Included in cost of "all other materials," to avoid disclosure.
[2] Not reported.
[3] Not reported separately. Included under "all other products."
[4] No gelatin reported.

From 1909 to 1914 the total cost of materials increased $67,547,393, or 19.8 per cent, while the total value of products increased $98,996,218, or 25.6 per cent. There was a decrease of 316,217, or 14.5 per

cent, in the number of beeves slaughtered; 74,023, or 14.4 per cent, in the number of calves slaughtered; and 88,034, or 1.2 per cent, in the number of hogs dressed; although the cost of these animals increased as follows: Beeves, $23,032,023, or 20.9 per cent; calves, $964,964, or 20.4 per cent; and hogs, $27,868,955, or 25.9 per cent. There was an increase in both number and cost of sheep and lambs slaughtered (25.5 per cent and 40.7 per cent, respectively), while the cost of dressed meat purchased for curing advanced 70.1 per cent.

During the census period 1909–1914 the output of fresh, salted, and cured beef decreased 163,205,512 pounds, or 13.6 per cent, but increased $32,120,252, or 35.5 per cent, in value.

The quantity of dressed veal in 1914 was 9,970,699 pounds, or 19.4 per cent, less than in 1909, but the value of this product shows an increase of $692,730, or 14.5 per cent. The output of mutton and lamb increased 40,032,286 pounds, or 25.4 per cent, and $8,043,034, or 53.4 per cent, in value, while that of fresh, pickled, and cured pork increased 205,017,326 pounds, or 20 per cent, and $45,612,732, or 42.1 per cent, in value.

In the production of canned goods there was an increase of 34,891,973 pounds, or 44.6 per cent, and in value an increase of $8,410,246, or 86.8 per cent in 1914 as compared with 1909. Lard, which is one of the largest by-products of the slaughtering and meat-packing establishments, decreased 67,482,476 pounds, or 16.7 per cent, in quantity, and $3,721,947, or 9.2 per cent, in value during this period.. This decrease is largely due to the increasing use of lard compounds and substitutes.

Printing and publishing.—Table 27 shows the number and aggregate circulation per issue of the different classes of newspapers and periodicals for the years 1914, 1909, and 1904.

Table 27 — Period of issue.	Number of publications.			Aggregate circulation per issue.		
	1914	1909	1904	1914	1909	1904
Total	1,657	1,682	1,753	25,101,616	20,823,166	16,542,740
Daily	184	194	192	2,620,661	2,323,913	1,954,329
Sunday	48	38	40	1,635,121	1,616,506	1,442,721
Semiweekly and triweekly	41	48	59	104,369	138,165	177,213
Weekly	967	1,018	1,089	6,216,667	5,008,590	4,592,043
Monthly	312	289	287	10,242,371	9,492,099	6,344,791
Quarterly	54	50	50	3,828,606	1,967,558	1,898,000
All other classes	51	45	36	453,821	276,335	133,643

Illinois ranks second in number and in circulation of all classes of publications combined; third in number and in circulation of dailies; second in number and third in circulation of Sunday papers; second in number and in circulation of weeklies; and second in number and in circulation of monthly publications.

While the gain in aggregate circulation from 1909 to 1914 was 4,278,450, or 20.5 per cent, the aggregate number of publications decreased 25, or 1.5 per cent. The increase in the circulation of the dailies was 296,748, or 12.8 per cent; of the Sunday publications, 18,615, or 1.2 per cent; of the weeklies, 1,208,077, or 24.1 per cent; of the monthly publications, 750,272, or 7.9 per cent; and of the quarterlies, 1,861,048, or 94.6 per cent.

In number and circulation of publications printed in foreign languages, Illinois is outranked only by New York. Table 28 gives the number and circulation of such publications in 1914, 1909, and 1904, by periods of issue, compared with those published in the English language. Publications partly in English and partly in a foreign language are included with foreign.

Table 28 — Period of issue.	Census year.	Total.		In English.		In foreign languages.	
		Number.	Aggregate circulation per issue.	Number.	Aggregate circulation per issue.	Number.	Aggregate circulation per issue.
Total	1914	1,657	25,101,616	1,476	23,120,799	181	1,980,817
	1909	1,682	20,823,166	1,509	19,365,799	173	1,457,367
	1904	1,753	16,542,740	1,604	15,358,385	149	1,184,355
Daily and Sunday	1914	232	4,255,782	189	3,704,564	43	551,218
	1909	232	3,940,419	201	3,464,495	31	475,924
	1904	232	3,397,050	201	3,003,160	31	393,890
Semiweekly and triweekly.	1914	41	104,369	30	52,772	11	51,597
	1909	48	138,165	34	61,965	14	76,200
	1904	59	177,213	49	123,133	10	54,080
Weekly	1914	967	6,216,667	874	5,235,530	93	981,137
	1909	1,018	5,008,590	923	4,448,973	95	559,617
	1904	1,089	4,592,043	1,008	4,048,729	81	543,314
Monthly	1914	312	10,242,371	294	9,956,945	18	285,426
	1909	289	9,492,099	267	9,239,890	22	252,209
	1904	287	6,344,791	271	6,240,866	16	103,925
Quarterly	1914	54	3,828,606	46	3,800,056	8	28,550
	1909	50	1,967,558	44	1,885,266	6	82,292
	1904	50	1,898,000	47	1,850,800	3	47,200
All other	1914	51	453,821	43	370,932	8	82,889
	1909	45	276,335	40	265,210	5	11,125
	1904	36	133,643	28	91,697	8	41,946

There were 8 more publications in foreign languages in 1914 than in 1909 and the circulation of this class increased 523,450, or 35.9 per cent. The increase in number was limited to the dailies and Sundays and to "all other classes," but the gain in circulation extended to the dailies and Sundays and to the weekly, monthly, and "all other classes." Fifty-one publications were in the German language, and 7 in German-English; 32 in Swedish; 21 in Bohemian; 19 in Polish; and 9 in Yiddish. Other foreign language publications were: Italian, Lithuanian, Norwegian, and Danish-Norwegian each 5; Danish, Serbian, and Slovenian each 3; Bulgarian 2; English-Swedish 2; and French, Hungarian, Croatian, Dutch, Flemish, Greek, English-Norwegian, English-Spanish, and English-German-Bohemian-French-Spanish each 1.

Publications devoted to news, politics, and general reading—that is, newspapers, whether published daily, Sunday, weekly, semiweekly, or triweekly—numbered 1,094 in 1914, a decrease from 1,169 in 1909, but their circulation was reported to be 6,593,540, a gain of 700,113, or 11.9 per cent, over the circulation

in 1909. Those devoted to topics of religion numbered 153, compared with 123 in 1909, and their circulation increased 1,912,813, or 49.4 per cent. Publications devoted to agriculture, stock raising, etc., also showed a marked increase in circulation.

Iron and steel, blast furnaces and steel works and rolling mills.—A large proportion of the pig-iron product of the blast furnaces is used in cooperating steel works, hence there is considerable duplication in cost of materials and in value of products between the separately classified industries. Considered as a combined industry, the state ranks third among the states in number of wage earners employed and in value added by manufacture, being exceeded only by Pennsylvania and Ohio. The industrial depression of 1914 accounts for the decreases in many of the items of the following tables.

Blast furnaces.—The following table shows the quantity and value of pig iron produced in the census years 1914, 1909, and 1904.

Table 29	1914	1909	1904
Products, total value	$25,861,528	$38,299,897	$27,330,836
Pig iron:			
Tons (2,240 pounds)	1,843,333	2,468,772	1,660,610
Value	$25,360,306	$38,299,897	$25,508,271
All other products	$501,222	.....	$1,822,565
Pig iron, classified by grades, tons:			
Bessemer	1,024,181	1,805,718	1,424,030
Basic	503,871	352,381	52,658
All other, foundry, malleable, spiegeleisen, ferromanganese, direct castings, etc	315,281	310,673	183,922
Delivered in molten condition	1,227,933	1,731,870	660,972
Machine cast	600,629	444,179	782,646
Sand cast and all other	14,771	292,723	216,992

In 1914 a small amount of iron was made with mixed bituminous coal and coke, the balance being coke iron, whereas, in 1909 it was all coke iron. Of the toal production in 1914, 1,453,860 tons, or 78.9 per cent was for consumption in the works of the producing company, and 389,473 tons, or 21.1 per cent, was for sale. In 1909, 87.2 per cent of the output was for consumption and 12.8 per cent was for sale.

The furnaces of the state run chiefly on Bessemer iron, although relatively there is shown a large decrease for this grade. Bessemer constituted 55.6 per cent of the total in 1914, as compared with 73.1 per cent in 1909, and 85.8 per cent in 1904. Basic iron, on the other hand, which constituted but 3.2 per cent of the total in 1904, formed 14.3 per cent in 1909, and 27.3 per cent in 1914. There were 17 active furnaces in 1914 of 7,351 tons daily capacity and 7 idle furnaces in active establishments of 2,903 tons daily capacity.

Steel works and rolling mills.—Table 30 shows the quantity and cost of the principal materials and the statistics for products reported by the steel works and rolling mills of the state for 1904 to 1914.

In addition to the scrap shown, the plants produced and charged back into the furnaces in 1914 over 350,000 tons of scrap. The steel production in 1914 aggregated 1,767,858 tons, comprising 1,664,335 tons of ingots and 103,523 tons of castings. Open-hearth steel constituted 50.3 per cent of the total in 1914, Bessemer steel, 49.1 per cent, and crucible steel and electric steel the remainder. In 1909 the corresponding proportions were open-hearth steel 38.3 per cent, Bessemer steel 61.2 per cent; and in 1904, Bessemer formed 76.8 per cent of the total.

Table 30	1914	1909	1904
MATERIALS.			
Total cost	$39,938,064	$56,244,463	$38,649,762
Pig iron, including ferroalloys:			
Tons	1,637,922	2,433,805	1,446,299
Cost	$24,026,163	$36,686,448	$19,282,069
Scrap, including old rails not intended for rerolling:[1]			
Tons	290,888	278,874	499,533
Cost	$2,986,465	$3,996,891	$6,202,392
Ingots, blooms, billets, slabs, muck and scrap bar, and sheet and tin-plate bars:			
Tons	297,560	280,727	220,572
Cost	$6,609,061	$6,357,611	$5,343,045
Fuel and rent of power	$3,883,907	$3,598,585	$3,308,450
All other materials	$2,432,468	$5,604,928	$4,513,806
PRODUCTS.			
Total value	$64,995,121	$86,608,137	$60,021,925
Rolled, forged, and other classified products:			
Tons	1,901,330	2,644,191	1,657,885
Value	$58,695,178	$78,841,720	$52,809,666
All other products, including value added to rolling-mill products by further manufacture	$6,299,943	$7,766,417	$7,212,259

[1] Including scrap transferred to the establishment reporting from other works of the same company.

The leading rolled products in 1914, in order of tonnage, were wire rods; bars and rods, including spike, chain and bolt rods, horseshoe bars, etc., and rods for reinforced concrete; structural shapes; plates and sheets; and rails. In 1909 rails were in the lead and structural shapes third.

Agricultural implements.—Illinois is the leading state in the manufacture of agricultural implements, its output in 1914 representing about two-fifths of the value of the total production of the entire country. The following table shows the value of the different classes of agricultural implements manufactured in Illinois in the years 1914, 1909, and 1904.

Table 31	1914	1909	1904
Products, total value	$65,337,663	$57,268,325	$38,412,452
Planters and seeders	3,654,223	[1] 4,142,234	2,998,075
Plows and cultivators	17,653,276	[1] 15,961,417	12,273,939
Harvesting implements	27,177,513	22,417,070	16,874,413
Seed separators	2,183,640	1,847,026	915,095
All other agricultural implements	7,560,021	12,528,685	5,167,368
All other products	6,821,321		
Amount received for repair work	287,669	371,893	183,562

[1] Figures do not agree with those published because one establishment revised its report.

The total value of agricultural implements manufactured in 1914 was $65,337,663, as compared with $57,268,325 in 1909, and $38,412,452 in 1904, an increase of 14.1 per cent for the last five years, as compared with a gain of 49.1 per cent from 1904 to

1909. Harvesting implements, constituting 41.6 per cent of the total value of all implements in 1914, included mowers and reapers to the value of $23,462,046, and hay rakes and tedders to the value of $1,862,753. Plows and cultivators, representing 27 per cent of the total value of products reported for the industry in 1914, show an increase of 10.6 per cent over 1909 and of 43.8 per cent for the decade 1904-1914. The total value of products for each census includes a considerable amount of subsidiary products made by establishments which are engaged primarily in the manufacture of agricultural implements. In 1914 such products amounted to $6,821,321, of which $1,290,669 represented the value of wagons, $1,322,003, the value of engines, and $4,208,649, the value of other products.

Flour-mill and gristmill products.—Wheat flour was the chief product for this industry in 1914, forming 64.5 per cent of the total value. There were 253 mills in the state grinding wheat to some extent, and of this number, 12 each produced 100,000 barrels and over during the year 1914. The following table gives the quantity and value of products in detail for the year.

Table 32.	1914	1909	1904
Products, total value	$49,493,224	$51,110,681	$39,892,127
Wheat flour:			
Barrels	6,643,983	6,386,547	5,954,680
Value	$31,904,077	$33,992,494	$27,619,401
Rye flour:			
Barrels	146,432	116,925	77,309
Value	$635,985	$539,732	$279,992
Buckwheat flour:			
Pounds	736,805	1,802,689	2,055,372
Value	$24,237	$54,842	$62,210
Barley meal:			
Pounds	.....	110,400	1,272,000
Value	.....	$1,560	$20,220
Corn meal and corn flour:			
Barrels	600,515	738,864	1,068,286
Value	$1,942,702	$2,168,824	$2,319,104
Hominy and grits:			
Pounds	154,209,222	221,177,853	239,728,156
Value	$2,293,856	$3,224,171	$2,551,096
Bran and middlings:			
Tons	270,754	475,852	406,411
Value	$6,184,864	$10,766,280	$6,981,550
Feed and offal:			
Tons	242,201		
Value	$5,993,094		
All other cereal products, value	$157,097	$268,946	.....
All other products, value	$357,312	$93,832	$58,554

Illinois was fourth among the states in the quantity and value of products reported for the flour-mill and gristmill industry in 1914. The decrease in the total value of products from 1909 to 1914 is 3.2 per cent, but an increase of 24.1 per cent is shown for the last decade. Wheat flour increased in production from 1909 to 1914, 257,436 barrels, or 4 per cent, but in value a decrease of 6.1 per cent is shown. Rye flour increased in value 17.8 per cent, and bran and middlings, including feed and offal, 13.1 per cent. Corn meal and corn flour decreased in value 10.4 per cent, and hominy and grits, 28.9 per cent.

The equipment of the mills in the state in 1914 was 2,056 stands of rolls, 196 runs of stone, and 290 attrition mills. Fifty-one establishments made their own barrels.

Soap.—The quantity and cost of the principal materials used and the quantity and value of products reported for the last three census years by establishments in the classified industry are shown in the following table:

Table 33	1914	1909	1904
MATERIALS.[1]			
Total cost	$15,252,893	$13,948,160	$9,345,061
Tallow, grease, and other fats:			
Pounds	77,759,488	54,546,522	79,134,570
Cost	$4,736,142	$3,225,011	$3,573,202
Coconut and palm-kernel oil:			
Gallons	2,550,332	2,174,700	1,009,930
Cost	$1,903,059	$1,084,613	$438,644
Cottonseed oil:			
Gallons	1,927,981	1,565,800	8,356,680
Cost	$917,258	$576,624	$2,515,047
Rosin:			
Pounds	16,272,793	18,272,898	18,667,593
Cost	$419,697	$423,829	$303,456
Foots:			
Pounds	21,169,801	21,403,551	13,367,007
Cost	$292,520	$511,907	$256,068
Caustic soda:			
Tons (2,000 pounds)	9,719	8,022	10,186
Cost	$304,430	$335,312	$364,256
Soda ash:			
Tons (2,000 pounds)	14,984	15,640	9,715
Cost	$216,954	$288,647	$148,109
All other materials, cost	$6,462,833	$7,502,217	$1,746,279
PRODUCTS.			
Total value	$24,919,259	$20,212,509	.....
The soap industry	$21,420,035	$20,180,799	$14,156,708
Subsidiary soap products from other industries	$3,499,224	$31,710	(2)
Hard soaps:			
Quantity, pounds	337,886,000	254,017,000	197,983,351
Tallow	134,026,000	158,717,000	(2)
Olein	2,763,000	2,070,000	(2)
Foots	6,934,000	4,050,000	(2)
Toilet	46,514,000	32,888,000	(2)
Powdered	71,702,000	56,009,000	(2)
Soap chips	27,972,000	283,000	(2)
All other	47,975,000		(2)
Value	$17,904,726	$13,066,420	$8,671,921
Soft soap:			
Pounds	8,329,000	10,292,000	567,153
Value	$205,759	$216,031	$39,433
Special soap articles	$111,782	$36,002	(2)
Glycerin:			
Crude—			
Pounds	1,197,850	6,256,607	3,721,609
Value	$217,737	$876,871	$379,863
Refined—			
Pounds	5,242,896		
Value	$1,124,704		
Perfumes and toilet preparations, value	$522,630	$6,017,185	$5,065,491
All other products, value	$4,831,921		

[1] Not including those consumed in soap manufacture in establishments making subsidiary soap products.
[2] Figures not available.

The total production of soap in 1914, made by establishments manufacturing soap as a chief product, was valued at $24,919,259, as compared with $20,212,509 in 1909, an increase of $4,706,750, or 23.3 per cent. The large increase in subsidiary production in 1914, as compared with 1909, is due to variance in method of reporting the soap departments of some concerns, they being reported as separate establishments at one census and in conjunction with other manufacturing operations at the other census.

The quantity of hard soaps manufactured was nearly 84,000,000 pounds, or 33 per cent greater in 1914 than in 1909, and the value increased $4,838,306, or 37 per cent, in the five-year period. Soft soap shows a decrease of 19.1 per cent in quantity and 4.8 per cent in value.

The statistics in regard to materials consumed are confined to those reported by establishments that made soap as a chief product. Approximately 20 per cent of the hard soap and 32 per cent of the soft soap, in 1914, was produced by establishments in other lines of manufacture that made soap as a subsidiary product and did not report the materials consumed.

Musical instruments, pianos and organs and materials.—The number and value of the different kinds of pianos and organs manufactured in 1914, 1909, and 1904 are shown in the following table.

Table 34	1914	1909	1904
Products, total value	$19,705,601	$19,176,328	$13,323,358
Pianos:			
Number	93,626	108,283	74,137
Value	$14,562,820	$14,783,394	$9,696,142
Upright—			
Without player attachment—			
Number	74,023	103,433	73,874
Value	$9,588,328	$13,226,811	$9,605,681
For or with player attachment—			
Number	18,870	4,470	25
Value	$4,688,789	$1,419,660	$8,750
Grand—			
Without player attachment—			
Number	733	380	238
Value	$285,703	$136,923	$81,711
Organs:			
Number	13,095	28,798	55,759
Value	$1,448,429	$1,281,415	$1,969,543
Pipe—			
Number	589	154	140
Value	$908,386	$307,632	$230,323
Reed—			
Number	12,506	28,644	55,619
Value	$540,043	$973,783	$1,739,220
Parts, materials, and supplies, value	$2,909,667	$2,820,575	$1,085,998
All other products, value	$784,685	$290,944	$571,675

The combined industry shows a substantial gain during the decade 1904–1914 but an increase of only 2.8 per cent from 1909 to 1914. While the production of upright pianos without player attachments decreased from 103,433 instruments, valued at $13,226,811, in 1909 to 74,023 instruments, valued at $9,588,328, in 1914, the loss is partly offset by the marked increase in both number and value of upright pianos with player attachments. In 1904 but 25 pianos of this type, valued at $8,750, were reported, whereas in 1909 there were 4,470, valued at $1,419,660, and by 1914 the number had increased to 18,870, valued at $4,688,789. Grand pianos without player attachments also show a considerable increase, the number and value of this class more than doubled during the five years 1909 to 1914. Included with the 733 grand pianos reported for 1914 are a few with player attachment, for which separate statistics can not be shown without disclosing the operations of individual establishments. A small number of automatic pianos are also included with the classes shown for a similar reason. Although there were less than half as many organs manufactured in 1914 as in 1909 their value advanced 13 per cent during that interval. The increase in value is traceable to the more extended manufacture in recent years of the high-priced pipe organs. For this class of instruments there were reported in 1909 but 154, valued at $307,632, while in 1914 there were manufactured 589, valued at $908,386. Included with this class of organs are some few orchestrions, data for which are omitted in order to avoid disclosure of individual operations. For similar reasons the value of the perforated music rolls are included in "all other products."

Butter, cheese, and condensed milk.—The following table gives in detail the quantity and value of the products of the industry for 1914, 1909, and 1904.

Table 35	1914	1909	1904
Products, total value	$21,792,220	$17,798,278	$13,276,533
Butter:			
Pounds	27,332,293	24,570,976	27,319,925
Value	$7,962,297	$7,088,414	$5,750,312
Packed solid—			
Pounds	15,404,541	14,767,503	20,466,655
Value	$4,509,095	$4,215,191	$4,290,377
Prints or rolls—			
Pounds	11,927,752	9,803,473	6,873,270
Value	$3,453,202	$2,873,223	$1,459,935
Cream sold:			
Pounds	11,966,350	11,496,133	2,192,048
Value	$1,073,690	$1,274,796	$179,071
Cheese:			
Pounds	6,377,947	4,799,235	5,301,211
Value	$712,842	$520,486	$426,026
Full-cream—			
Pounds	4,090,100	2,919,897	
Value	$590,024	$398,397	
Part-cream—			
Pounds	283,173	561,028	5,301,211
Value	$20,435	$58,005	$426,026
Skimmed and other kinds—			
Pounds	2,027,259	1,318,310	
Value	$102,383	$64,084	
Condensed milk:			
Pounds	167,425,094	114,500,748	93,425,052
Value	$11,256,447	$8,437,627	$6,674,734
Sweetened—			
Pounds	58,857,984	48,240,252	47,511,291
Value	$4,937,077	$4,468,085	$3,416,927
Unsweetened—			
Pounds	51,823,055		
Value	$3,052,538	66,260,496	45,913,761
Evaporated—		$3,969,542	$3,257,807
Pounds	56,744,055		
Value	$3,266,832		
All other butter, cheese, and condensed milk factory products, value	$690,162	$398,754	$233,729
All other products, value	$96,782	$76,201	$12,661

Of the total value of products reported for the industry in 1914, butter constituted 36.5 per cent, cheese 3.3 per cent, and condensed milk 51.7 per cent. The manufacture of casein, powdered milk, and sugar of milk has also assumed some importance in the state during the past few years, but figures for these products can not be shown separately without disclosure of individual operations.

The industry as a whole shows an increase of $8,515,687, or 64.1 per cent, in value of products during the decade 1904 to 1914. The increase in the value of butter manufactured was 38.5 per cent; that of cheese, 67.1 per cent; and that of condensed and evaporated milk, 68.6 per cent. It will, therefore, be seen that the increased activity in the manufacture of condensed milk accounts very largely for the increase in the total value of products for the industry. Illinois has long been one of the leading states in the condensed-milk industry, having been second only to New York for a number of years. In 1914, however, the state ranked first in the manufacture of this product. The progress of the industry during the 10 years covered by the table represents a steady growth

from census to census. There were 34 condensed-milk factories in the state in 1914, as compared with 27 in 1909, and 15 in 1904. During the five-year period 1904–1909 the value of products advanced 26.4 per cent, and from 1909 to 1914 increased 33.4 per cent. While the manufacture of sweetened condensed milk shows an increase of 23.9 per cent in quantity and 44.5 per cent in value during the decade, the greatest advance has been in the manufacture of unsweetened and evaporated milk, which shows a gain of 136.5 per cent in quantity and 94 per cent in value.

The quantity of butter manufactured shows a decrease of 10.1 per cent during the five-year period 1904–1909 but a gain of 11.2 per cent from 1909 to 1914, so that for the decade there was a slight increase. Butter "packed solid"—that is, put up in firkins or tubs—shows a decrease of 5,062,114 pounds, or 24.7 per cent, for the decade, whereas that put up in "prints or rolls" shows an increase of 5,054,482 pounds, or 73.6 per cent.

The manufacture of cheese decreased 501,976 pounds from 1904 to 1909 but increased from 1909 to 1914 by 33.4 per cent. The progress of the industry during the decade 1904–1914 is represented by an increase of 27.4 per cent in pounds and of 67.1 per cent in value.

Boots and shoes.—The following table shows the number of pairs of the various kinds of footwear manufactured in Illinois in 1914, 1909, and 1904.

Table 36

KIND.	NUMBER OF PAIRS.		
	1914	1909	1904
Total number of pairs	8,292,659	8,295,805	6,143,462
Boots and shoes	7,370,553	6,893,731	5,736,197
Men's	3,934,629	4,018,016	3,463,185
Boys' and youths'	1,058,239	1,270,520	691,165
Women's	1,625,866	1,034,470	887,707
Misses and children's	751,819	570,725	694,140
Slippers	246,835	274,697	261,265
Men's, boys', and youths'	49,140	112,900	43,099
Women's, misses, and children's	197,695	161,797	218,166
Infants' shoes and slippers	545,169	1,002,277	(1)
All other footwear	130,102	125,100	146,000

[1] Not reported separately.

The manufacture of footwear in Illinois shows a slight decrease since 1909, but there was a substantial gain in the industry during the decade 1904–1914.

The decrease in the production of men's and boys' boots and shoes was more than offset by the increased production of women's, misses', and children's shoes, so that the total number of pairs of boots and shoes made in 1914 was 6.9 per cent more than in 1909.

The manufacture of slippers decreased 10.1 per cent from 1909 to 1914 and 5.5 per cent from 1904 to 1914. The decline in the output was confined to slippers made for men and boys and youths, since those made for women and misses and children increased 22.2 per cent during the period 1909 to 1914. The number of infants' shoes and slippers decreased from 1,002,277 pairs in 1909 to 545,169 pairs in 1914, or by 45.6 per cent.

The following table classifies the various kinds of footwear made in Illinois, by method of manufacture.

Table 37

KIND.	Census year.	NUMBER OF PAIRS, BY METHOD OF MANUFACTURE.			
		Total.	Welted.	McKay.	Turned and wood or metal fastened.
Boots and shoes	1914	7,370,553	3,715,554	3,454,942	200,057
	1909	6,893,731	3,310,544	3,174,420	408,767
Men's	1914	3,934,629	3,212,273	540,674	181,682
	1909	4,018,016	3,127,767	630,755	259,494
Boys' and youths'	1914	1,058,239	15,710	1,042,529	.....
	1909	1,270,520	(1)	1,170,688	99,832
Women's, misses', and children's	1914	2,377,685	487,571	1,871,739	18,375
	1909	1,605,195	182,777	1,372,977	49,441
Slippers, all kinds	1914	246,835	36,446	200,429	9,960
	1909	274,697	45,540	211,722	17,435
Infants' shoes and slippers	1914	545,169	236,292	.....	308,877
	1909	1,002,277	448,338	(1)	553,939
All other footwear	1914	130,102	(1)	125,102	5,000
	1909	125,100	(1)	(1)	125,100

[1] Included in "turned and wood or metal fastened."

Of the total output of boots and shoes in 1914, a slightly increased proportion, 50.4 per cent, as compared with 48 per cent in 1909, were welted. The McKay type represented practically the same proportion at the two censuses, 46.8 per cent and 46 per cent, respectively. In the manufacture of men's shoes, the leading class of footwear in Illinois, the welted process was employed in 81.6 per cent of the production, as compared with 77.8 per cent in 1909. The majority of boys' and women's and children's shoes were McKay sewed. Slippers of all kinds also were chiefly made by the McKay method; infants' footwear was divided between the welted and turned types, 43.3 per cent being welted and 56.7 per cent turned. The "all other footwear" was practically all McKay.

Leather, tanned, curried, and finished.—Table 38 gives the quantity and cost of the principal materials used and the quantity and value of the various products for 1914, 1909, and 1904.

The total cost of materials used in 1914 shows an increase of 14.7 per cent since 1909 and 70.3 per cent since 1904. There was an increase of 34.4 per cent in the number of cattle hides treated and of 49.9 per cent in their cost in 1914, as compared with 1909. The number of calf and kip skins tanned and finished in 1914 was a decrease of 37.3 per cent over 1909, and the amount expended for this class of materials was 20.5 per cent less in 1914 than in 1909. Sheep and lamb skins show a steady decrease from census to census, in both number and cost. All other raw stock consisting of horsehides, goatskins, pigskins, etc., increased in value at each census.

The value of products in 1914 was $17,509,256, an increase of 17.4 per cent over the value reported in 1909. Upper leather constituted 29.8 per cent of the

total value of finished products and calf and kip skins 34 per cent in 1914, the former showing an increase compared with 1909, and the latter, a decrease. Comparatively few sheepskins are treated in this state, and the number and value reported show a steady decrease. "All other leather" covers finished splits, horse, case, bag, strap, harness, upper, rough, skirting, patent, glove, sole, suspender, upholstery, and other leather. An unusually large number of items are included in this class in 1914 in order to avoid disclosing the operations of individual establishments.

Table 38	1914	1909	1904
MATERIALS.			
Total cost	$13,917,432	$12,130,609	$8,173,788
Cattle hides:			
Number	892,256	663,928	707,441
Cost	$5,786,640	$3,859,429	$2,537,379
Calf and kip skins:			
Number	1,885,276	3,008,616	2,291,546
Cost	$4,399,144	$5,532,850	$3,378,153
Sheep and lamb skins:			
Number	1,069,914	1,562,628	2,065,943
Cost	$774,399	$922,466	$1,075,737
All other raw stock, cost	$1,221,598	$436,138	$117,873
Fuel and rent of power, cost	$160,482	$151,707	$76,664
All other materials, cost	$1,575,169	$1,228,019	$987,982
PRODUCTS.			
Total value	$17,509,256	$14,911,782	$10,758,196
Leather:			
Cattle side upper—			
Sides	1,196,277	932,482	364,950
Value	$5,216,713	$3,058,427	$828,060
Calf and kip skins—			
Number	1,868,815	2,926,674	2,293,950
Value	$5,953,430	$7,071,221	$4,741,324
Sheep and lamb skins—			
Number	683,978	1,142,669	1,696,713
Value	$437,609	$716,605	$964,099
All other, value	$5,123,801	$3,487,921	$3,472,231
All other products, value	$777,703	$577,608	$752,482

Laundries.—Statistics for power laundries are not included in the general tables or in the totals for all manufacturing industries. Table 39, however, summarizes these statistics for Illinois for 1914 and 1909.

Table 39	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	
Number of establishments	461	448	2.9
Persons engaged in the industry	12,470	10,916	14.2
Proprietors and firm members	437	470	−7.0
Salaried employees	1,029	741	38.9
Wage earners (average number)	11,004	9,705	13.4
Primary horsepower	13,472	10,780	25.0
Capital	$8,401,995	$5,540,003	51.7
Salaries and wages	6,624,805	5,035,652	31.6
Salaries	1,150,466	718,986	60.0
Wages	5,474,339	4,316,666	26.8
Paid for contract work	82,215	8,064	919.5
Rent and taxes (including internal revenue)	378,047	283,864	33.2
Cost of materials	2,638,683	1,721,845	53.2
Amount received for work done	12,846,432	10,049,445	27.8

[1] A minus sign (—) denotes decrease.

In 1914 Illinois ranked third among the states in amount received for work done and second in number of persons engaged in the industry. The table shows increases over 1909 in all the items given, except proprietors and firm members. The amount received for work done increased 27.8 per cent and the average number of wage earners, 13.4 per cent. Establishments owned by individuals reported 25.6 per cent of the receipts for work done; those owned by corporations, 58.4 per cent; and those under other forms of ownership, 16 per cent.

Table 40 shows, for 1914 and 1909, the number of wage earners employed in the laundries on the 15th of each month, or nearest representative day, and the percentage which this number represents of the greatest number employed in any month of the same year.

Table 40	WAGE EARNERS.			
MONTH.	Number.		Per cent of maximum.	
	1914	1909	1914	1909
January	10,959	9,288	96.3	91.6
February	10,869	9,369	95.5	92.4
March	10,964	9,425	96.4	92.9
April	11,094	9,522	97.5	93.9
May	11,267	9,741	99.0	96.1
June	11,378	9,862	100.0	97.2
July	11,147	10,042	98.0	99.0
August	11,064	10,141	97.2	100.0
September	10,976	10,008	96.5	98.7
October	10,856	9,718	95.4	95.8
November	10,769	9,657	94.6	95.2
December	10,705	9,686	94.1	95.5

Table 41 gives statistics as to kinds and amounts of power used in the laundries of the state in 1914 and 1909, together with percentages of increase for the five-year period.

Table 41	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
KIND.			Amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	1914	1909	
Primary power, total	949	599	13,472	10,780	25.0
Owned	341	328	11,193	9,680	15.6
Steam [2]	325	304	11,037	9,494	16.3
Internal combustion	13	23	134	171	−21.6
Water wheels, turbines, and motors	3	1	22	15	46.7
Rented	608	271	2,279	1,100	107.2
Electric	608	271	2,204	1,044	111.1
Other	.....	.....	75	56	33.9
Electric	1,010	467	3,371	1,986	69.7
Rented	608	271	2,204	1,044	111.1
Generated by establishments reporting	402	196	1,167	942	23.9

[1] A minus sign (—) denotes decrease.
[2] Figures for horsepower include for 1909 the amounts reported under the head of "other" owned power.

Table 42 shows the kinds and quantities of fuel used in the laundries, as reported at the censuses of 1914 and 1909, with percentages of increase.

Table 42		QUANTITY.		Per cent of increase,[1] 1909–1914.
KIND.	Unit.	1914	1909	
Anthracite coal	Tons, 2,240 lbs.	4,305	12,854	−66.5
Bituminous coal	Tons, 2,000 lbs.	164,198	126,068	30.2
Coke	Tons, 2,000 lbs.	667	551	21.1
Oil, including gasoline	Barrels	630	2,172	−71.0
Gas	1,000 cubic feet	73,843	47,655	55.0

[1] A minus sign (—) denotes decrease.

GENERAL TABLES.

Table 43 gives, for 1914, 1909, and 1904, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products, for selected industries in the state and in the cities having 50,000 inhabitants or more; and for the cities having from 10,000 to 50,000 inhabitants, similar data for all industries combined.

Table 44 presents, for 1914, for the state as a whole and for cities with 50,000 inhabitants or more, statistics in detail for each industry that can be shown without the disclosure of individual operations; and with the exception of Cicero, for the cities having from 10,000 to 50,000 inhabitants, for all industries combined.

TABLE 43.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1914	18,388	506,943	1,305,930	$340,910	$1,340,183	$2,247,323
	1909	18,026	465,764	1,013,071	273,319	1,160,927	1,919,277
	1904	14,921	379,436	741,555	208,405	840,057	1,410,342
Agricultural implements.	1914	73	19,556	50,044	15,668	32,878	65,338
	1909	79	19,240	38,040	11,718	24,824	57,268
	1904	82	15,359	34,934	8,851	17,751	38,412
Artificial stone products.	1914	420	1,122	1,826	781	1,097	2,665
	1909	366	785	1,111	439	577	1,488
	1904	27	91	32	52	53	158
Automobiles, including bodies and parts.	1914	91	2,545	3,421	1,946	6,288	11,018
	1909	65	2,382	1,786	1,653	3,979	7,154
	1904	12	167	136	107	112	357
Babbitt metal and solder	1914	12	203	1,117	155	4,296	5,143
	1909	19	183	988	109	3,374	4,146
	1904	12	142	427	70	1,916	2,500
Bags, other than paper	1914	9	275	292	141	2,326	2,876
	1909	6	189	157	175	685	965
	1904	4	127	112	47	642	809
Baking powders and yeast.	1914	19	628	3,022	383	3,467	8,455
	1909	24	657	1,189	346	3,261	7,632
	1904	22	758	1,057	349	1,787	4,541
Belting, leather	1914	8	157	136	129	978	1,405
	1909	11	233	430	165	1,385	2,188
	1904	10	157	212	96	617	1,055
Blacking and cleansing and polishing preparations.	1914	73	256	329	141	719	1,304
	1909	58	236	336	123	569	1,230
	1904	38	175	63	69	358	661
Boots and shoes, including cut stock and findings.	1914	57	6,397	3,434	3,373	12,141	18,407
	1909	53	5,792	2,770	3,143	10,869	16,755
	1904	52	4,249	1,977	1,991	6,415	9,993
Boxes, cigar	1914	18	390	281	165	298	672
	1909	18	404	296	158	317	664
	1904	17	416	183	151	252	575
Boxes, fancy and paper.	1914	80	4,586	5,600	2,158	5,173	9,741
	1909	61	4,085	4,143	1,501	3,012	6,350
	1904	50	2,700	2,649	954	1,684	3,686
Brass, bronze, and copper products.	1914	75	1,502	2,698	1,109	5,240	7,570
	1909	79	1,688	1,859	1,136	4,148	6,842
	1904	[1] 58	1,605	1,231	919	2,372	4,751
Bread and other bakery products.	1914	2,278	10,404	9,465	6,828	23,639	45,250
	1909	2,099	8,611	5,618	5,495	21,606	36,118
	1904	1,406	7,415	3,795	4,115	14,279	26,145
Brick, tile, pottery, and other clay products.	1914	235	8,610	43,773	6,134	3,959	14,222
	1909	379	9,731	41,008	6,271	3,617	14,380
	1904	480	7,879	33,974	4,296	2,437	10,802
Brooms	1914	65	646	387	318	820	1,533
	1909	87	494	365	235	835	1,465
	1904	(2)	.....	.....	.....	.....	.....
Brushes	1914	32	395	267	230	619	1,156
	1909	32	326	138	180	554	965
	1904	(2)	.....	.....	.....	.....	.....
Butter, cheese, and condensed milk.	1914	267	1,755	6,184	1,079	18,236	21,792
	1909	295	1,732	6,753	942	14,267	17,798
	1904	405	1,735	6,350	829	10,709	13,277
Buttons	1914	31	696	476	325	305	765
	1909	28	548	275	247	237	676
	1904	22	280	220	102	71	251
Canning and preserving.	1914	[3] 117	2,560	7,078	1,108	6,680	10,121
	1909	118	2,383	4,305	904	4,813	7,620
	1904	125	2,146	2,630	827	4,316	7,044
Carriages and wagons and materials.	1914	296	4,861	12,285	$3,405	$8,368	$15,192
	1909	325	5,852	9,684	3,588	9,479	16,831
	1904	324	5,155	7,238	2,778	5,746	11,392
Cars and general shop construction and repairs by electric-railroad companies.	1914	43	1,813	1,845	1,387	1,527	3,181
	1909	30	2,240	2,225	1,395	1,807	3,451
	1904	10	1,006	412	654	418	1,148
Cars and general shop construction and repairs by steam-railroad companies.	1914	94	28,682	36,781	20,433	18,318	41,496
	1909	73	23,131	20,740	15,288	15,233	32,229
	1904	99	19,095	15,733	12,105	12,268	25,491
Cars, steam-railroad, not including operations of railroad companies.	1914	23	18,000	37,622	15,686	40,429	61,316
	1909	28	10,945	18,651	7,824	15,336	27,001
	1904	16	9,036	14,830	5,931	21,173	30,926
Cement	1914	6	1,467	23,986	1,184	2,859	6,468
	1909	6	1,395	15,270	855	1,619	4,088
	1904	6	540	6,100	328	460	1,178
Chemicals	1914	26	1,682	8,590	1,164	5,360	8,618
	1909	[4] 22	843	5,917	536	2,915	4,683
	1904	[4] 17	728	2,883	397	1,361	2,306
Clocks and watches, including cases and materials.	1914	15	5,688	3,151	3,321	2,038	7,659
	1909	19	5,665	2,578	3,217	1,688	7,045
	1904	[1] 12	4,071	1,232	2,357	996	4,999
Clothing, men's, including shirts.	1914	604	35,119	5,142	20,019	41,310	89,144
	1909	715	36,152	3,729	16,580	45,228	89,473
	1904	624	21,355	2,176	10,215	28,026	57,002
Clothing, women's	1914	241	8,113	1,163	4,530	11,219	20,751
	1909	221	6,151	804	3,152	9,214	16,635
	1904	191	4,690	721	2,198	6,333	12,237
Coffee and spice, roasting and grinding.	1914	34	1,193	3,152	576	17,094	22,045
	1909	35	1,018	2,709	525	15,114	19,751
	1904	25	953	2,010	432	12,483	15,745
Coffins, burial cases, and undertakers' goods.	1914	21	802	1,359	527	1,307	2,705
	1909	21	732	1,071	406	982	2,260
	1904	18	676	1,102	345	929	1,867
Confectionery	1914	147	5,009	5,343	2,255	12,095	22,139
	1909	140	3,799	3,417	1,429	7,665	12,798
	1904	87	3,587	3,623	1,170	4,202	7,646
Cooperage and wooden goods, not elsewhere specified.	1914	61	1,921	4,730	1,096	4,596	6,598
	1909	80	2,388	5,247	1,127	4,479	6,611
	1904	110	2,567	4,672	1,176	4,782	7,088
Copper, tin, and sheet-iron products.	1914	[5] 508	7,445	7,340	4,853	13,325	24,815
	1909	483	7,473	5,510	4,315	13,193	22,823
	1904	288	5,645	3,686	2,958	8,795	15,385
Corsets	1914	19	1,974	341	715	2,063	3,979
	1909	16	1,502	541	525	1,195	2,711
	1904	15	961	387	331	561	1,237
Cutlery and tools, not elsewhere specified.	1914	84	1,631	4,082	1,032	1,177	3,297
	1909	80	1,393	2,385	760	1,072	2,758
	1904	59	895	1,340	416	565	1,515
Dairymen's, poultrymen's, and apiarists' supplies.	1914	32	638	886	390	1,094	2,307
	1909	29	323	664	178	575	1,181
	1904	24	359	578	152	561	1,131
Electrical machinery, apparatus, and supplies.	1914	142	16,483	21,140	12,366	19,379	45,667
	1909	143	9,641	11,636	6,413	13,628	26,826
	1904	104	6,131	6,253	3,203	7,649	16,700
Electroplating	1914	46	398	990	291	357	865
	1909	43	375	703	245	226	697
	1904	26	272	281	155	124	425
Explosives	1914	9	366	2,083	194	1,655	2,582
	1909	8	290	1,828	190	935	1,469
	1904	5	142	1,383	83	412	712

[1] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[2] Not reported separately.
[3] Includes "pickles, preserves, and sauces."
[4] Includes statistics for calcium lights, reported separately in 1909 and 1904.
[5] Includes "stamped and enameled ware" and "tinware, not elsewhere specified."

TABLE 43.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
Fancy articles, not elsewhere specified.	1914	[1] 49	692	432	$451	$1,227	$2,388
	1909	44	444	230	222	574	1,320
	1904	39	785	286	334	658	1,674
Fertilizers	1914	12	696	3,739	398	2,350	3,775
	1909	11	444	2,145	225	1,425	2,386
	1904	4	48	445	24	91	131
Flags, banners, regalia, society badges, and emblems.	1914	22	319	87	144	395	811
	1909	24	293	57	112	313	676
	1904	27	281	51	102	241	563
Flour-mill and gristmill products.	1914	406	2,398	35,793	1,456	42,841	49,493
	1909	461	2,464	38,472	1,271	45,590	51,111
	1904	363	2,410	38,158	1,211	34,930	39,892
Food preparations	1914	115	1,790	7,772	1,006	12,751	17,620
	1909	116	1,350	5,070	672	7,196	10,403
	1904	65	955	2,904	425	3,498	5,245
Foundry and machine-shop products.	1914	[2] 1,371	55,261	109,543	37,968	60,606	141,329
	1909	1,178	52,266	92,831	33,157	63,810	138,579
	1904	[3] 947	42,629	55,903	25,425	39,761	94,917
Fur goods	1914	84	300	141	219	870	1,605
	1909	63	319	59	230	1,071	1,929
	1904	36	326	27	200	819	1,432
Furnishing goods, men's.	1914	[4] 58	2,775	812	1,061	4,502	7,140
	1909	61	2,688	796	1,015	4,573	7,213
	1904	[5] 36	1,647	277	581	2,470	4,103
Furniture and refrigerators.	1914	283	13,766	26,039	8,901	15,713	33,000
	1909	267	13,575	20,875	8,100	12,501	27,900
	1904	207	12,426	15,538	6,714	9,664	22,395
Gas and electric fixtures and lamps and reflectors.	1914	76	2,078	2,081	1,382	3,040	6,158
	1909	78	2,090	1,883	1,184	2,694	5,797
	1904	44	1,154	793	640	1,194	2,905
Gas, illuminating and heating.	1914	75	3,890	31,058	2,659	8,035	28,171
	1909	78	6,301	18,385	2,967	6,210	21,052
	1904	64	2,964	5,700	1,695	4,519	16,008
Glass	1914	10	3,764	9,685	2,692	2,808	7,680
	1909	11	3,507	6,638	2,182	1,541	5,047
	1904	13	4,768	1,583	3,012	1,400	5,620
Gloves and mittens, leather.	1914	28	1,371	797	646	1,687	2,774
	1909	29	1,309	657	519	1,478	2,523
	1904	24	1,134	560	425	852	1,691
Glue	1914	9	968	3,316	614	2,385	3,731
	1909	9	946	5,093	481	1,887	3,776
	1904	7	848	7,184	548	1,673	2,729
Grease and tallow, not including lubricating greases.	1914	39	772	2,213	564	3,435	4,761
	1909	36	778	2,842	531	4,065	5,590
	1904	24	596	1,124	390	1,488	2,438
Hats and caps, other than felt, straw, and wool.	1914	36	465	81	305	517	1,127
	1909	38	463	61	267	479	1,046
	1904	35	436	39	253	536	1,027
Hosiery and knit goods.	1914	46	3,535	2,531	1,546	4,067	7,367
	1909	43	2,913	3,452	1,116	3,232	5,947
	1904	38	2,342	1,336	782	2,165	3,730
House-furnishing goods, not elsewhere specified.	1914	46	506	698	254	1,522	3,079
	1909	27	292	376	131	801	1,379
	1904	20	256	983	127	701	1,138
Ice, manufactured	1914	128	1,312	26,183	970	1,005	3,389
	1909	83	804	13,288	534	442	1,928
	1904	43	485	6,509	269	247	940
Instruments, professional and scientific.	1914	30	1,104	1,065	814	1,121	3,970
	1909	25	438	375	287	555	1,769
	1904	25	232	111	139	88	519
Iron and steel, blast furnaces.	1914	5	1,450	94,160	1,348	21,794	25,862
	1909	6	2,493	70,453	1,793	30,908	38,300
	1904	4	1,910	45,487	1,398	19,005	27,331
Iron and steel, steel works and rolling mills.	1914	25	15,408	178,709	12,968	39,938	64,995
	1909	24	17,584	152,470	12,962	56,244	86,608
	1904	23	16,448	111,308	10,071	38,650	60,022
Jewelry	1914	100	992	585	795	1,255	3,264
	1909	67	990	367	650	1,264	2,780
	1904	43	713	189	456	801	1,755
Leather goods	1914	[6] 304	2,325	2,067	$1,486	$4,538	$7,982
	1909	168	2,949	2,200	1,633	5,135	8,948
	1904	[3] 155	2,655	1,115	1,416	3,437	6,715
Leather, tanned, curried, and finished.	1914	28	2,678	7,920	1,538	13,917	17,509
	1909	29	3,001	6,769	1,582	12,131	14,912
	1904	28	2,770	5,260	1,326	8,174	10,758
Lime	1914	14	448	2,077	265	276	747
	1909	16	511	794	283	174	688
	1904	20	1,034	1,312	533	413	1,660
Liquors, distilled	1914	7	855	7,634	658	8,606	51,596
	1909	9	750	3,908	479	9,209	55,200
	1904	11	692	4,655	407	6,406	54,102
Liquors, malt	1914	89	5,749	34,847	5,372	10,406	39,436
	1909	106	4,398	27,900	3,473	7,033	28,449
	1904	116	4,033	26,012	3,004	5,271	23,787
Lumber and timber products.	1914	[7] 618	14,870	45,745	9,747	24,124	42,064
	1909	814	16,567	52,015	9,110	27,264	44,952
	1904	591	15,126	44,347	7,424	18,222	32,741
Malt	1914	14	438	7,724	426	9,185	11,133
	1909	12	377	6,405	305	7,460	9,543
	1904	21	502	8,405	378	6,703	8,540
Marble and stone work.	1914	312	1,975	6,381	1,656	2,576	6,176
	1909	278	2,226	5,003	1,766	3,030	6,771
	1904	176	2,040	3,422	1,435	2,140	5,392
Mattresses and spring beds.	1914	86	1,018	1,435	546	2,126	3,670
	1909	86	831	849	448	1,634	2,860
	1904	59	886	699	389	1,210	2,117
Millinery and lace goods.	1914	102	3,323	1,130	1,804	5,019	9,222
	1909	103	3,328	549	1,384	3,797	7,282
	1904	47	2,800	398	1,097	2,394	4,948
Mirrors	1914	13	326	469	216	660	1,075
	1909	10	353	370	232	635	1,106
	1904	16	494	640	265	702	1,408
Models and patterns, not including paper patterns.	1914	76	451	634	336	193	882
	1909	81	426	701	308	203	889
	1904	60	312	277	216	82	539
Motorcycles, bicycles, and parts.	1914	13	911	1,041	751	2,260	4,065
	1909	14	910	775	600	973	1,777
	1904	13	969	2,234	594	513	1,161
Musical instruments and materials, not specified.	1914	27	378	352	237	250	719
	1909	30	336	208	201	178	629
	1904	28	491	255	302	207	674
Musical instruments, pianos and organs and materials.	1914	71	8,334	8,597	5,237	8,321	19,706
	1909	68	8,777	8,123	5,009	8,642	19,176
	1904	56	7,508	6,809	3,932	5,398	13,323
Paints and varnishes	1914	72	2,110	9,908	1,301	15,476	24,488
	1909	74	1,792	7,108	1,114	12,902	20,434
	1904	63	1,276	5,068	771	8,656	13,325
Paper and wood pulp	1914	21	1,704	24,613	1,118	4,265	6,952
	1909	19	1,397	15,169	727	3,099	4,983
	1904	19	959	12,818	462	1,416	2,443
Paper goods, not elsewhere specified.	1914	[8] 46	1,570	1,374	778	2,530	4,693
	1909	46	1,317	869	546	1,997	3,779
	1904	47	935	412	330	745	1,632
Patent medicines and compounds and druggists' preparations.	1914	[9] 3 63	1,844	2,573	1,066	5,097	15,032
	1909	359	1,869	3,234	805	4,413	13,114
	1904	312	1,868	1,545	818	3,438	13,320
Photographic apparatus and materials.	1914	18	499	672	327	646	1,315
	1909	13	284	430	157	318	740
	1904	20	267	207	127	287	811
Photo-engraving	1914	31	1,255	1,071	1,184	591	3,357
	1909	27	1,114	606	949	534	2,678
	1904	21	596	434	519	259	1,365
Printing and publishing	1914	[10] 2,722	32,838	33,503	24,048	33,278	112,833
	1909	2,608	28,644	26,975	18,437	24,680	87,247
	1904	2,414	22,818	17,577	13,883	17,034	62,292
Pumps, not including power pumps.	1914	8	240	349	186	290	602
	1909	14	282	328	179	328	659
	1904	15	271	502	170	208	603

[1] Includes "combs and hairpins" and "ivory, shell, and bone work."
[2] Includes "automobile repairing;" "bells;" "engines, steam, gas, and water;" "gas machines and gas and water meters;" "hardware;" "hardware, saddlery;" "iron and steel, cast-iron pipe;" "plumbers' supplies;" "pumps, steam, and other power;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork."
[3] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[4] Includes "suspenders, garters, and elastic woven goods."
[5] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[6] Includes "pocketbooks"; "saddlery and harness"; and "trunks and valises."
[7] Includes "boxes, wooden packing;" "lumber, planing-mill products, not including planing mills connected with sawmills;" and "window and door screens."
[8] Includes "cardboard, not made in paper mills" and "envelopes."
[9] Includes "perfumery and cosmetics."
[10] Includes "bookbinding and blank-book making;" "engraving, steel and copper plate;" "lithographing;" and "printing and publishing, music."

TABLE 43.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

THE STATE.—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
Roofing materials	1914	23	862	1,766	$579	$4,319	$6,644
	1909	17	322	663	192	2,050	3,375
	1904	15	201	355	109	923	1,310
Scales and balances	1914	12	531	702	398	537	1,376
	1909	13	248	293	151	245	574
	1904	9	110	82	71	98	305
Show cases	1914	12	311	430	220	255	694
	1909	16	386	419	248	290	829
	1904	19	439	534	252	359	848
Signs and advertising novelties.	1914	150	2,176	1,888	1,404	1,824	6,045
	1909	51	1,290	781	750	985	3,271
	1904	(1)	.....	.....	.....	.....	.....
Slaughtering and meat packing.	1914	[2] 98	31,627	67,519	19,532	412,015	489,230
	1909	109	26,705	56,651	14,602	343,976	389,595
	1904	95	27,111	39,400	14,658	280,592	318,201
Smelting and refining, zinc.	1914	8	3,573	16,253	2,571	14,200	18,421
	1909	5	1,922	7,485	1,275	6,496	9,004
	1904	5	1,643	5,187	884	3,900	5,426
Smelting and refining, not from the ore.	1914	17	282	1,337	190	3,516	4,587
	1909	11	369	1,763	207	3,234	3,930
	1904	9	250	1,642	125	1,586	1,976
Soap	1914	27	2,144	6,108	1,255	15,253	21,420
	1909	34	2,188	5,155	1,053	13,948	20,181
	1904	34	1,905	3,519	887	9,345	14,157
Stereotyping and electrotyping.	1914	25	705	1,339	628	408	1,594
	1909	21	592	725	472	316	1,282
	1904	20	685	506	547	229	1,205
Stoves and furnaces, including gas and oil stoves.	1914	70	3,917	5,180	$2,859	$4,191	$10,203
	1909	71	4,499	4,983	2,957	3,856	10,287
	1904	60	3,908	4,623	2,358	2,815	7,867
Surgical appliances and artificial limbs.	1914	37	687	574	412	1,672	3,238
	1909	29	536	595	285	921	2,099
	1904	29	433	239	178	411	1,010
Tobacco manufactures	1914	1,622	7,653	1,143	4,509	10,054	26,037
	1909	1,944	8,034	878	4,216	8,603	21,870
	1904	1,825	7,471	618	3,738	5,995	16,062
Type founding and printing materials.	1914	18	343	959	259	472	1,246
	1909	19	438	391	303	375	1,248
	1904	17	432	314	293	321	1,168
Wall paper, not made in paper mills.	1914	5	544	1,062	335	1,281	2,254
	1909	5	290	492	173	702	1,367
	1904	7	266	491	139	666	1,094
Windmills	1914	11	1,182	2,076	749	1,493	3,194
	1909	11	1,453	2,105	877	2,034	4,089
	1904	11	738	1,637	395	988	2,119
Window shades and fixtures.	1914	47	918	2,102	544	3,632	4,951
	1909	36	778	1,240	434	3,163	4,665
	1904	22	367	332	160	945	1,445
Wirework, including wire rope and cable, not elsewhere specified.	1914	51	886	1,677	555	3,421	4,682
	1909	60	724	1,655	358	2,087	3,321
	1904	62	1,012	2,475	488	2,416	3,760
All other industries	1914	1,636	40,883	132,338	26,872	137,917	212,507
	1909	1,417	36,793	88,758	20,943	118,512	183,390
	1904	1,361	32,105	72,081	16,895	86,087	129,386

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
CHICAGO—All industries.	1914	10,115	313,710	681,114	$213,737	$901,933	$1,483,498
	1909	9,656	293,977	525,236	[3] 176,973	[3] 790,609	1,281,171
	1904	8,159	241,984	.....	136,405	589,914	955,036
Artificial stone products.	1914	24	293	242	282	313	841
	1909	19	150	82	104	146	356
	1904	3	12	.....	8	5	19
Automobiles, including bodies and parts.	1914	65	1,429	1,612	1,107	2,155	4,700
	1909	41	1,460	734	1,131	1,707	3,940
	1904	11	166	.....	106	111	354
Bags, other than paper	1914	9	275	292	141	2,326	2,876
	1909	6	189	157	175	685	965
	1904	4	127	.....	47	642	809
Baking powders and yeast.	1914	13	552	2,951	353	3,131	7,905
	1909	16	522	1,142	304	2,888	7,009
	1904	16	645	.....	317	1,481	3,890
Baskets, and rattan and willow ware.	1914	8	45	21	23	22	74
	1909	10	41	16	26	34	81
	1904	10	56	.....	27	30	89
Boots and shoes, including cut stock and findings.	1914	41	3,936	2,022	2,357	7,523	11,663
	1909	31	3,027	1,103	1,920	6,045	9,855
	1904	35	2,446	.....	1,311	4,138	6,559
Boxes, cigar	1914	9	320	210	141	251	577
	1909	9	304	214	125	258	541
	1904	10	344	.....	130	198	478
Boxes, fancy and paper.	1914	67	3,756	2,148	1,700	3,325	6,945
	1909	48	3,609	1,575	1,311	2,232	5,044
	1904	39	2,324	.....	809	1,324	2,825
Brass, bronze, and copper products.	1914	59	1,222	2,153	897	4,381	6,314
	1909	56	1,167	1,099	810	3,266	5,131
	1904	[4] 43	889	.....	534	1,825	3,195
Bread and other bakery products.	1914	1,305	7,680	6,543	5,091	17,418	34,217
	1909	1,177	6,437	3,847	4,146	16,280	26,908
	1904	852	5,795	.....	3,240	11,132	20,654
Brooms	1914	31	294	104	176	359	691
	1909	28	222	169	118	402	680
	1904	(5)	.....	.....	.....	.....	.....
Brushes	1914	28	311	203	197	564	1,038
	1909	28	275	94	163	516	880
	1904	(5)	.....	.....	.....	.....	.....
Buttons	1914	14	320	146	147	184	438
	1909	13	190	39	72	139	335
	1904	11	47	.....	16	22	71
CHICAGO—Contd. Carpets, rag	1914	21	170	128	$100	$62	$244
	1909	25	163	73	68	43	206
	1904	39	165	.....	84	32	212
Carriages and wagons and materials.	1914	136	1,776	4,604	1,325	2,598	5,104
	1909	126	1,965	3,022	1,253	2,602	5,203
	1904	122	1,829	.....	1,093	1,812	4,076
Cars and general shop construction and repairs by steam-railroad companies.	1914	23	11,835	13,150	8,260	7,089	16,688
	1909	22	11,059	7,232	7,305	7,310	15,359
	1904	22	8,592	.....	5,792	4,993	11,172
Cars, steam-railroad, not including operations of railroad companies.	1914	12	15,539	27,052	13,923	32,389	50,931
	1909	18	8,553	14,576	6,387	11,620	20,892
	1904	11	7,059	.....	4,897	15,761	23,799
Chemicals	1914	15	174	950	112	1,064	1,817
	1909	[6] 13	150	790	97	617	1,176
	1904	[6] 11	358	.....	228	1,032	1,748
Clocks and watches, including cases and materials.	1914	6	82	35	52	276	427
	1909	5	109	26	60	282	445
	1904	3	45	.....	32	34	147
Cloth, sponging and refinishing.	1914	7	123	35	86	2	160
	1909	6	91	36	52	1	119
	1904	5	64	.....	47	3	90
Clothing, men's, including shirts.	1914	563	32,400	4,292	19,042	38,440	84,340
	1909	678	33,615	2,916	18,638	39,907	85,296
	1904	593	19,655	.....	9,706	26,655	54,626
Clothing, women's	1914	227	7,330	1,051	4,260	10,380	19,211
	1909	204	5,615	698	2,997	8,658	15,677
	1904	174	4,308	.....	2,083	6,011	11,637
Coffins, burial cases, and undertakers' goods.	1914	13	654	1,100	440	1,071	2,262
	1909	13	576	828	339	764	1,838
	1904	10	471	.....	236	632	1,297
Confectionery	1914	97	4,409	4,546	2,026	11,011	20,349
	1909	87	3,241	3,045	1,250	6,703	11,222
	1904	62	2,953	.....	1,018	3,594	6,550
Cooperage and wooden goods, not elsewhere specified.	1914	34	1,186	2,229	662	2,660	3,839
	1909	37	1,166	1,984	601	2,188	3,368
	1904	54	1,286	.....	623	2,135	3,406
Copper, tin, and sheet-iron products.	1914	[7] 293	3,993	3,196	2,774	7,214	13,236
	1909	268	3,859	2,859	2,472	6,463	12,242
	1904	170	3,347	.....	1,933	3,957	8,137
Cutlery and tools, not elsewhere specified.	1914	56	1,150	2,098	706	706	2,170
	1909	53	982	1,499	554	680	1,895
	1904	37	639	.....	288	348	946

[1] Not reported separately.
[2] Includes "sausage, not made in slaughtering and meat-packing establishments."
[3] Figures do not agree with those published because certain establishments revised their reports.
[4] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[5] Included in "all other industries," separate figures not available.
[6] Includes statistics for "calcium lights," reported separately in 1909 and 1904.
[7] Includes "stamped and enameled ware" and "tinware."

TABLE 43.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
CHICAGO—Contd.							
Dairymen's, poultrymen's, and apiarists' supplies.	1914	7	137	269	$119	$150	$681
	1909	7	49	79	37	147	340
	1904	5	18	.....	10	199	271
Electrical machinery, apparatus, and supplies.	1914	125	5,508	4,849	3,648	7,152	17,568
	1909	123	6,096	6,443	3,860	11,405	20,669
	1904	96	5,927	.....	3,099	7,501	16,292
Electroplating	1914	36	309	439	236	86	487
	1909	34	310	422	214	107	434
	1904	23	234	.....	142	54	327
Fancy articles, not elsewhere specified.	1914	[1] 46	684	419	447	1,203	2,344
	1909	40	438	210	213	568	1,239
	1904	38	781	.....	332	656	1,664
Foundry and machine-shop products.	1914	[2] 707	31,404	59,471	22,342	36,064	85,359
	1909	669	31,055	54,876	20,490	40,755	89,669
	1904	[3] 582	28,792	.....	17,772	28,558	68,491
Fur goods	1914	84	300	141	219	870	1,605
	1909	59	303	59	225	1,069	1,903
	1904	34	318	.....	193	816	1,421
Furnishing goods, men's	1914	[4] 41	1,550	593	743	3,444	5,533
	1909	38	1,905	562	820	3,877	6,122
	1904	[3] 31	1,282	.....	483	2,131	3,503
Gold, leaf and foil	1914	6	146	66	74	147	257
	1909	7	143	13	61	123	226
	1904	5	140	.....	74	100	223
Grease and tallow, not including lubricating greases.	1914	8	583	1,361	432	3,114	3,975
	1909	10	649	2,207	452	3,781	4,948
	1904	13	560	.....	371	1,417	2,303
Hand stamps and stencils and brands.	1914	27	190	160	130	179	564
	1909	27	172	100	101	167	467
	1904	25	222	.....	134	84	363
Hats and caps, other than felt, straw, and wool.	1914	36	465	81	305	517	1,127
	1909	38	463	61	267	479	1,046
	1904	35	436	.....	253	536	1,027
Hosiery and knit goods.	1914	33	1,089	468	484	1,262	2,325
	1909	29	743	167	289	783	1,477
	1904	30	760	.....	262	621	1,309
Ice, manufactured	1914	18	448	10,732	403	455	1,334
	1909	6	206	3,024	153	126	569
	1904	3	133	.....	73	87	349
Ink, printing	1914	9	54	345	38	260	504
	1909	7	38	185	26	164	415
	1904	6	33	.....	17	99	257
Iron and steel, steel works and rolling mills.	1914	7	4,663	97,493	4,285	18,731	27,002
	1909	6	6,983	79,456	5,603	29,023	45,984
	1904	5	5,087	.....	3,526	16,711	24,840
Jewelry	1914	89	929	514	751	1,212	3,136
	1909	55	910	294	606	1,218	2,635
	1904	41	710	.....	455	798	1,746
Lapidary work	1914	6	28	21	27	70	127
	1909	3	14	6	13	53	88
	1904	4	19	.....	18	82	140
Leather goods	1914	[5] 175	1,703	1,142	1,087	3,021	5,463
	1909	99	2,178	804	1,174	3,230	5,861
	1904	82	1,022	.....	1,076	2,492	5,023
Leather, tanned, curried, and finished.	1914	24	2,311	7,128	1,333	12,512	15,663
	1909	24	2,674	6,212	1,418	10,738	13,244
	1904	23	2,479	.....	1,188	7,133	9,420
Liquors, malt	1914	37	3,973	22,156	3,978	7,599	28,933
	1909	45	2,867	15,666	2,373	4,850	19,512
	1904	56	2,763	.....	2,127	3,529	16,983
Lumber and timber products.	1914	[6] 207	9,022	26,128	6,267	16,813	28,711
	1909	195	10,462	25,917	6,149	20,768	32,709
	1904	[7] 154	7,794	.....	4,013	11,763	19,808
Marble and stone work.	1914	110	1,256	4,142	1,054	1,260	3,362
	1909	107	1,388	3,002	1,137	1,714	3,930
	1904	73	1,337	.....	951	1,244	3,356
Mattresses and spring beds.	1914	60	890	1,080	481	1,995	3,304
	1909	58	683	495	371	1,349	2,377
	1904	46	755	.....	331	1,011	1,753
Models and patterns, not including paper patterns.	1914	58	322	525	256	160	706
	1909	56	322	494	227	161	687
	1904	49	273	.....	197	75	494
Musical instruments, pianos and organs and materials.	1914	46	4,950	5,502	3,304	5,055	12,671
	1909	37	5,209	4,677	3,034	4,848	11,487
	1904	32	4,886	.....	2,716	3,416	8,488
CHICAGO—Contd.							
Paints and varnishes	1914	60	1,959	9,175	$1,201	$14,310	$22,811
	1909	61	1,606	5,837	996	11,845	18,942
	1904	52	1,195	.....	725	8,202	12,665
Paper goods	1914	[8] 39	1,172	1,080	590	1,785	3,517
	1909	41	957	607	410	1,393	2,831
	1904	29	423	.....	154	325	781
Patent medicines and compounds and druggists' preparations.	1914	[9] 271	1,309	1,644	788	3,199	10,809
	1909	273	1,361	2,030	632	3,216	10,360
	1904	248	1,564	.....	675	2,833	11,942
Photographic apparatus and materials.	1914	18	499	672	327	646	1,315
	1909	13	284	430	157	318	740
	1904	19	260	.....	124	282	802
Photo-engraving	1914	23	907	778	1,012	430	2,356
	1909	21	878	405	848	422	2,156
	1904	18	571	.....	507	254	1,324
Printing and publishing.	1914	[10] 1,543	26,247	25,871	20,012	29,326	97,507
	1909	1,395	22,326	20,162	15,077	21,256	74,211
	1904	1,262	17,464	.....	11,279	14,872	53,033
Slaughtering ohd meat packing.	1914	[11] 58	26,704	57,318	16,542	345,522	410,709
	1909	67	22,064	45,629	11,985	285,250	325,062
	1904	56	22,767	.....	12,483	237,754	270,549
Smelting and refining, not from the ore.	1914	13	126	255	106	2,958	3,857
	1909	7	91	168	63	2,237	2,574
	1904	6	25	.....	20	1,002	1,140
Soap	1914	23	2,116	5,974	1,239	15,134	21,255
	1909	27	2,139	4,967	1,035	13,787	19,939
	1904	23	1,835	.....	857	9,125	13,770
Steam packing	1914	15	164	125	131	309	617
	1909	15	108	146	62	194	408
	1904	11	130	.....	66	222	468
Stereotyping and electrotyping.	1914	25	705	1,339	628	408	1,594
	1909	21	592	725	472	316	1,282
	1904	18	651	.....	524	224	1,165
Surgical appliances and artificial limbs.	1914	34	683	568	410	1,670	3,231
	1909	24	529	592	279	917	2,075
	1904	27	431	.....	177	410	1,004
Tobacco manufactures.	1914	842	5,269	1,069	3,203	8,351	21,460
	1909	1,050	5,220	783	2,785	6,722	16,633
	1904	960	4,347	.....	2,283	4,199	11,017
Type founding and printing materials.	1914	18	343	959	259	472	1,246
	1909	19	433	391	303	375	1,248
	1904	17	432	.....	293	321	1,168
All other industries	1914	1,955	71,284	245,949	48,466	197,258	329,411
	1909	1,806	70,382	187,078	40,068	173,326	297,909
	1904	1,575	58,497	.....	31,805	130,869	217,571
EAST ST. LOUIS—All industries.	1914	125	5,863	18,183	4,369	17,423	26,905
	[12] 1909	138	5,226	23,238	3,233	11,361	18,104
	1904	91	4,505	.....	2,494	5,696	10,586
Bread and other bakery products.	1914	17	77	72	62	216	335
	1909	20	71	49	53	177	336
	1904	11	58	.....	41	124	221
Cars and general shop construction and repairs by steam-railroad companies.	1914	6	991	730	765	370	1,276
	1909	3	623	409	457	364	847
	1904	4	543	.....	297	224	511
Copper, tin, and sheet-iron work.	1914	7	18	.....	14	24	50
	1909	14	73	.....	66	82	183
	1904	4	29	.....	21	16	51
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	3	50	200	39	72	150
	1909	7	102	685	62	211	328
	1904	[3] 7	90	.....	77	98	236
Printing and publishing	1914	9	52	53	42	38	111
	1909	8	50	51	38	27	105
	1904	9	50	.....	28	19	83
Tobacco, cigars	1914	8	17	.....	11	11	29
	1909	12	11	.....	9	12	40
	1904	9	20	.....	11	11	39
All other industries	1914	75	4,658	17,122	3,436	16,692	24,954
	1909	74	4,291	22,044	2,548	10,488	16,265
	1904	47	3,715	.....	2,019	5,204	9,415

[1] Includes "combs and hairpins" and "ivory, shell, and bone work."
[2] Includes "automobile repairing;" "bells;" "engines, steam, gas, and water;" "gas machines and gas and water meters;" "hardware;" "hardware, saddlery;" "iron and steel, cast-iron pipe;" "plumbers' supplies;" "pumps, power;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork."
[3] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[4] Includes "suspenders, garters, and elastic woven goods."
[5] Includes "pocketbooks;" "saddlery and harness;" and "trunks and valises."
[6] Includes "boxes, wooden packing," "lumber, planing mills;" and "window and door screens and weather strips."
[7] Excludes statistics for two establishments to avoid disclosure of individual operation.
[8] Includes "cardboard, not made in paper mills" and "envelopes."
[9] Includes "perfumery and cosmetics."
[10] Includes "bookbinding and blank-book making;" "engraving, steel and copper plate;" "lithographing;" and "printing and publishing, music."
[11] Includes "sausage, not made in slaughtering and meat-packing establishments."
[12] Figures do not agree with those published because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

TABLE 43.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
PEORIA—All industries.	1914	283	6,285	22,881	$4,144	$21,289	$64,689
	1909	283	5,981	16,266	3,552	17,773	63,061
	1904	263	5,834	.....	3,209	15,835	60,420
Bread and other bakery products.	1914	34	275	256	158	576	1,057
	1909	39	194	172	104	482	764
	1904	40	172	.....	81	430	660
Carriages and wagons and materials.	1914	5	46	42	34	66	155
	1909	8	63	62	41	69	141
	1904	[1] 6	114	.....	57	128	211
Cooperage, hogsheads and barrels.	1914	5	288	1,103	175	876	1,176
	1909	5	514	910	172	840	1,153
	1904	4	447	.....	176	984	1,288
Copper, tin, and sheet-iron products.	1914	9	221	245	142	378	670
	1909	9	239	196	130	453	684
	1904	10	181	.....	90	211	395
Flour-mill and grist-mill products.	1914	4	50	365	33	725	815
	1909	4	34	326	22	640	759
	1904	3	32	.....	19	487	594
Foundry and machine-shop products.	1914	[2] 15	195	431	152	183	439
	1909	20	420	986	315	515	1,082
	1904	19	398	.....	221	298	786
Leather goods, saddlery and harness.	1914	4	28	8	19	36	70
	1909	4	37	10	24	21	72
	1904	3	47	.....	30	68	151
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	7	159	369	127	209	437
	1909	6	166	458	120	184	398
	1904	5	155	.....	95	177	325
Printing and publishing	1914	30	446	473	267	254	1,020
	1909	32	325	410	209	221	881
	1904	26	280	.....	165	166	608
Tobacco, cigars	1914	32	264	.....	172	192	512
	1909	36	308	.....	204	240	647
	1904	43	276	.....	155	162	479
PEORIA—Contd. All other industries	1914	138	4,313	19,589	$2,865	$17,794	$58,338
	1909	120	3,681	12,736	2,211	14,108	56,480
	1904	104	3,732	.....	2,120	12,724	54,923
ROCKFORD—All industries.	1914	265	10,472	21,039	6,645	13,414	26,371
	1909	205	9,309	16,217	5,213	10,582	22,266
	1904	180	7,239	.....	3,608	8,066	15,276
SPRINGFIELD—All industries.	1914	189	4,157	9,823	2,535	5,882	11,770
	1909	171	3,652	6,368	2,096	4,204	8,497
	1904	122	3,071	.....	1,639	2,490	5,797
Bread and other bakery products.	1914	17	83	102	56	210	370
	1906	16	55	79	43	182	310
	1904	10	46	.....	34	132	204
Carriages and wagons	1914	5	42	34	28	31	66
	1909	7	54	80	35	41	98
	1904	4	21	.....	10	12	28
Copper, tin, and sheet-iron work.	1914	14	54	63	48	62	159
	1909	10	60	32	39	90	178
	1904	[3] 6	42	.....	29	47	95
Foundry and machine-shop products.	1914	11	137	593	91	207	461
	1909	10	221	794	135	255	482
	1904	4	241	.....	127	153	427
Lumber and timber products.	1914	[4] 9	106	358	83	144	294
	1909	7	147	312	89	110	242
	1904	4	147	.....	108	131	280
Printing and publishing	1914	[5] 28	424	387	195	241	936
	1909	27	321	257	203	163	739
	1904	16	354	.....	181	93	470
Tobacco, cigars	1914	31	120	.....	65	67	190
	1909	30	122	.....	61	73	206
	1904	32	126	.....	61	64	195
All other industries	1914	74	3,191	8,286	1,969	4,920	9,294
	1909	64	2,672	4,814	1,491	3,290	6,242
	1904	46	2,094	.....	1,089	1,858	4,098

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

ALTON	1914	76	2,662	8,335	1,759	8,604	12,865
	1909	69	2,429	5,453	1,528	7,262	10,096
	1904	62	3,069	.....	1,728	5,423	8,697
AURORA	1914	140	4,777	7,794	3,033	5,259	10,789
	1909	165	5,095	7,906	2,936	5,580	10,954
	1904	103	4,078	.....	2,068	3,538	7,329
BELLEVILLE	1914	129	2,450	4,447	1,410	2,906	5,727
	1909	119	1,872	4,541	1,062	2,324	4,615
	1904	96	1,765	.....	1,011	1,787	4,357
BLOOMINGTON	1914	100	2,384	4,579	1,540	2,084	4,804
	1909	107	2,077	2,877	1,186	2,527	4,868
	1904	81	2,275	.....	1,228	3,492	5,777
CAIRO	1914	61	1,522	5,222	853	3,046	4,584
	1909	56	1,237	4,764	628	2,957	4,440
	1904	57	1,435	.....	653	2,838	4,381
CANTON	1914	34	920	5,807	829	1,126	2,577
	1909	33	1,262	3,716	692	1,183	2,942
CHAMPAIGN	1914	59	382	1,125	243	633	1,245
	1909	42	273	476	174	419	846
	1904	36	289	.....	169	158	486
CHICAGO HEIGHTS	1914	77	4,288	21,092	2,947	7,685	14,486
	1909	79	3,953	10,176	2,471	5,611	10,839
DANVILLE	1914	100	2,109	4,735	1,346	2,928	5,291
	1909	76	1,744	3,258	1,077	1,430	3,351
	1904	70	1,884	.....	977	1,665	3,304
DECATUR	1914	126	4,003	10,634	2,324	6,666	11,957
	1909	157	2,699	6,447	1,420	5,918	9,768
	1904	116	2,340	.....	1,125	5,593	8,667
ELGIN	1914	91	5,529	5,956	3,321	4,271	10,492
	[6] 1909	114	6,067	5,984	3,364	4,029	10,537
	1904	76	4,885	.....	2,713	4,090	9,349
EVANSTON	1914	49	924	2,249	656	2,439	3,985
	1909	60	837	1,056	590	2,350	3,778
	1904	33	738	.....	384	1,583	2,551
FREEPORT	1914	63	2,566	4,600	1,661	3,910	7,447
	1909	69	2,853	4,412	1,570	4,417	7,811
	1904	61	1,516	.....	827	1,423	3,109
GALESBURG	1914	60	1,362	1,984	941	1,515	3,192
	1909	62	1,465	1,968	887	1,416	2,919
	1904	58	1,447	.....	756	936	2,218
JACKSONVILLE	1914	63	932	2,855	499	1,360	2,355
	1909	57	947	1,189	487	1,307	2,299
	1904	55	899	.....	458	1,102	1,982
JOLIET	1914	136	4,999	45,918	3,569	20,036	30,091
	1909	137	6,383	37,744	4,435	27,758	38,817
	1904	104	5,792	.....	3,699	21,259	32,897
KANKAKEE	1914	53	1,430	3,543	763	1,704	3,193
	1909	55	1,349	3,988	622	1,493	2,723
	1904	49	1,038	.....	512	1,026	2,089
LA SALLE	1914	30	1,214	8,342	817	3,484	5,246
	[6] 1909	28	936	5,795	593	2,683	4,328
	1904	24	1,197	.....	685	1,878	3,158
LINCOLN	1914	40	239	506	134	284	561
	1909	40	220	385	115	290	570
	1904	39	236	.....	125	375	784
MATTOON	1914	47	735	2,305	471	693	1,544
	1909	35	948	1,019	561	668	1,434
	1904	34	1,022	.....	599	522	1,309
MOLINE	1914	108	5,053	12,200	3,510	10,387	19,925
	[6] 1909	65	5,387	10,005	3,474	11,049	20,664
	1904	62	3,987	.....	2,363	6,895	13,158
OAK PARK	1914	47	268	1,113	241	492	1,555
	1909	23	282	758	197	391	1,118
QUINCY	1914	194	3,067	6,297	1,863	4,435	9,557
	[6] 1909	235	3,997	7,557	2,066	5,631	11,066
	1904	234	4,602	.....	2,206	5,188	10,748
ROCK ISLAND	1914	106	1,837	5,430	1,377	3,411	6,488
	1909	74	1,754	3,173	1,026	2,818	5,387
	1904	72	1,703	.....	895	2,580	5,333
STREATOR	1914	60	1,763	5,823	1,040	1,762	3,887
	1909	45	1,275	3,140	644	817	2,137
	1904	34	1,544	.....	1,035	584	1,889
WAUKEGAN	1914	48	2,276	18,663	1,777	7,630	12,439
	[6] 1909	58	2,956	23,044	2,038	13,889	19,541
	1904	42	2,265	.....	1,436	7,721	10,994

[1] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[2] Includes "hardware" and "structural ironwork."
[3] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[4] Includes "boxes, wooden packing" and "window and door screens and weather strips."
[5] Includes "bookbinding and blank-book making" and "engraving, steel and copper plate.
[6] Figures do not agree with those published because certain establishments revised their figures.

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	18,388	617,927	15,854	19,151	56,000	19,979	506,943	Mh 521,752	De 483,275	(3)	(3)	(3)	(3)	(3)	$1,943,835,846
2	Agricultural implements	73	22,015	40	360	1,831	228	19,556	Ja 26,217	Se 12,338	19,689	19,478	201	10	.....	153,599,239
3	Artificial flowers	13	182	10	8	8	11	145	Mh 162	Fe 134	145	38	99	.....	8	191,119
4	Artificial limbs	11	69	10	8	11	7	33	Ja 37	Se 31	33	28	4	1	.....	26,670
5	Artificial stone products	420	1,738	512	68	27	9	1,122	Au 1,463	Ja 661	1,424	1,420	3	1	.....	1,734,657
6	Artists' materials	9	110	5	6	17	10	72	Oc 76	Mh 70	72	53	13	6	.....	314,909
7	Asbestos products, not including steam packing.	4	139	1	10	9	10	109	Mh 140	Je 84	100	65	34	1	.....	280,165
8	Automobile bodies and parts	66	1,575	54	91	136	58	1,236	No 1,403	Ja 1,081	1,284	1,256	27	1	.....	2,469,655
9	Automobiles	25	1,652	8	65	202	68	1,309	My 1,560	De 1,104	1,293	1,287	6	.....	.....	7,463,988
10	Automobile repairing	235	1,118	266	41	20	32	759	.....	.....	772	765	4	3	.....	938,707
11	Repair work	227	1,094	257	39	20	31	747	Au 799	Ja 660	758	751	4	3	.....	927,161
12	Vulcanizing tires	8	24	9	2	.....	1	12	Se 15	Ja [4] 8	14	14	.....	.....	.....	11,546
13	Awnings, tents, and sails	57	507	54	26	24	26	377	Je 484	Ja 307	390	205	181	3	1	683,868
14	Babbitt metal and solder	12	321	.....	39	55	24	203	.....	.....	199	196	3	.....	.....	1,804,810
15	Babbitt metal	6	50	.....	11	7	3	29	De 41	Je 25	41	41	.....	.....	.....	226,435
16	White metal and solder	6	271	.....	28	48	21	174	Mh 235	No 139	158	155	3	.....	.....	1,578,375
17	Bags, other than paper	9	318	6	12	12	13	275	Fe 280	No 260	268	119	149	.....	.....	464,731
18	Baking powders and yeast	19	1,041	9	57	281	66	628	Je 657	Ja 603	610	428	182	.....	.....	6,414,981
19	Baskets, and rattan and willow ware	11	61	14	1	.....	1	45	Ja [4] 49	Jy 40	44	38	5	1	.....	53,625
20	Belting, leather	8	235	7	17	42	12	157	Au 172	De 137	137	136	1	.....	.....	1,162,363
21	Billiard tables and materials	5	36	3	4	6	1	22	Ja [4] 23	Jy [4] 21	22	19	3	.....	.....	72,260
22	Blacking, stains, and dressings	20	234	16	12	34	16	156	Jy 176	Au 129	154	86	65	3	.....	363,112
23	Bluing	8	31	6	4	2	2	17	Se 19	Ja [4] 15	18	15	3	.....	.....	20,319
24	Bookbinding and blank-book making.	102	2,801	82	85	82	92	2,460	Jy 2,751	No 2,248	2,454	1,312	1,081	29	32	2,773,214
25	Boot and shoe cut stock	5	354	2	17	7	6	322	Oc 359	Ja 303	355	260	84	11	.....	753,899
26	Boot and shoe findings	5	11	6	1	.....	.....	4	(5) 4	(5) 4	4	4	.....	.....	.....	7,500
27	Boots and shoes, including overgaiters, moccasins, and leggings.	47	6,738	32	111	387	137	6,071	Jy 6,461	Ap 5,814	6,285	3,743	2,388	75	79	8,365,952
28	Boxes, cigar	18	448	14	18	17	9	390	Ja 397	My 382	386	144	201	11	30	428,683
29	Boxes, fancy and paper	80	5,196	36	166	264	144	4,586	.....	.....	4,537	1,924	2,164	43	406	8,529,233
30	Paper boxes and cartons	77	5,157	34	165	264	142	4,552	Ja 4,746	My 4,415	4,503	1,906	2,154	42	401	8,468,716
31	All other	3	39	2	1	.....	2	34	Mh [4] 35	Au [4] 32	34	18	10	1	5	60,517
32	Boxes, wooden packing	58	4,747	44	102	136	27	4,438	Mh 4,707	No 4,140	4,260	4,032	194	31	3	6,513,243
33	Brass, bronze, and copper products	75	1,798	46	101	118	31	1,502	My 1,663	No 1,177	1,438	1,400	27	11	.....	3,898,065
34	Bread and other bakery products	2,278	14,628	2,526	203	1,119	376	10,404	.....	.....	10,606	7,998	2,492	71	45	26,455,493
35	Bakery products, other than biscuits and crackers.	2,265	11,346	2,519	164	763	335	7,565	Oc 7,695	Ja 7,291	7,775	6,538	1,157	69	11	14,139,486
36	Biscuits and crackers	13	3,282	7	39	356	41	2,839	Oc 3,042	Ja 2,488	2,831	1,460	1,335	2	34	12,316,007
37	Brick and tile, terra-cotta and fire-clay products.	219	7,965	232	325	215	42	7,151	.....	.....	8,199	8,174	5	20	.....	25,223,283
38	Building brick	117	5,049	104	193	126	18	4,608	Au 6,079	Fe 3,143	5,388	5,371	.....	17	.....	16,696,915
39	Sewer pipe and draintile	86	1,670	124	71	36	10	1,429	Je 1,704	Fe 1,052	1,634	1,630	1	3	.....	4,710,537
40	Fire brick, stove lining, and tile, other than drain tile.	6	426	3	20	14	5	384	Jy 452	No 300	375	371	4	.....	.....	1,369,578
41	Architectural and fireproofing terra cotta.	10	820	1	41	39	9	730	Jy 839	Fe 536	802	802	.....	.....	.....	2,446,253
42	Brooms	65	787	71	22	38	10	646	.....	.....	660	504	145	6	5	664,822
43	From broom corn	60	774	66	22	38	10	638	Mh 670	Au 602	650	497	142	6	5	649,180
44	All other	5	13	5	.....	.....	.....	8	Ja [4] 10	Mh [4] 4	10	7	3	.....	.....	15,642
45	Brushes	32	472	28	25	10	14	395	Mh 431	De 353	348	233	102	8	5	857,991
46	Butter	186	816	109	92	58	65	492	Je 551	Ja 444	503	462	40	1	.....	1,862,443
47	Buttons	31	783	42	18	19	8	696	Fe 819	Au 595	756	577	165	6	8	504,873
48	Canning and preserving, fish	3	12	3	.....	.....	.....	9	(5) 9	(5) 9	9	9	.....	.....	.....	6,542
49	Canning and preserving, fruits and vegetables.	51	1,560	30	90	65	16	1,359	Se 3,933	Fe 354	4,238	2,976	1,255	3	4	4,230,272
50	Card cutting and designing	4	139	2	7	.....	7	123	De 261	Ja 43	262	30	195	1	36	133,057
51	Cardboard, not made in paper mills	3	94	.....	10	4	7	73	Je [4] 79	Ja 65	72	41	30	1	.....	166,511
52	Carpets, rag	57	361	59	14	27	14	247	My 298	Ja 205	240	188	44	8	.....	159,307
53	Carriage and wagon materials	24	648	18	20	18	6	586	Fe 694	No 498	533	529	4	.....	.....	1,558,911
54	Carriages and sleds, children's	8	281	2	18	10	10	241	Ja 316	Au 200	248	222	26	.....	.....	409,042
55	Carriages, wagons, and repairs	272	5,447	297	131	327	417	4,275	.....	.....	4,173	4,106	66	1	.....	24,924,638
56	Carriages and wagons	233	5,332	248	130	327	416	4,211	Mh 4,678	No 3,750	4,109	4,042	66	1	.....	24,756,159
57	Repair work only	39	115	49	1	.....	1	64	Se 68	Ja [4] 59	64	64	.....	.....	.....	168,479
58	Cars and general shop construction and repairs by electric-railroad companies.	43	2,081	.....	64	171	33	1,813	Mh 2,090	No 1,589	1,704	1,699	5	.....	.....	5,941,982
59	Cars and general shop construction and repairs by steam-railroad companies.	94	30,484	.....	504	1,214	84	28,682	Se 30,231	Ap 27,312	28,050	28,027	19	4	.....	34,676,821
60	Cars, steam-railroad, not including operations of railroad companies.	23	19,101	.....	215	811	75	18,000	Au 21,460	Ap 15,057	21,035	20,972	63	.....	.....	40,308,714
61	Cash registers and calculating machines.	10	676	2	18	125	17	514	Ja 721	Oc 226	560	553	7	.....	.....	2,151,659
62	Cement	6	1,632	.....	32	101	32	1,467	Jy 1,621	De 1,257	1,407	1,407	.....	.....	.....	8,188,252
63	Charcoal, not including operations in the lumber industry.	4	34	8	5	.....	.....	21	Ja [4] 22	Au [4] 20	22	22	.....	.....	.....	72,194
64	Cheese	47	160	67	7	1	.....	85	My [4] 98	Fe 68	93	89	4	.....	.....	242,763

[1] Owned power only. [2] Includes rented power, other than electric. [3] No figures given for reasons stated under "Explanation of terms."

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$51,257,820	$77,219,765	$340,910,325	$18,864,010	$15,022,905	$60,913,082	$1,288,755,811	$51,427,596	$2,247,322,819	$907,139,412	1,305,930	947,949	73,009	12,310	272,662	408,812	1
1,276,837	2,357,118	15,668,157	41,868	20,606	649,647	31,825,057	1,052,504	65,337,663	32,460,102	50,044	35,860	447	1,143	12,594	23,609	2
16,160	20,658	75,240	1,000	15,060	837	184,629	1,556	348,319	162,134	31	.....	.....	.....	31	.....	3
14,678	11,141	28,130	.....	6,171	147	25,463	553	103,221	77,205	16	.....	.....	.....	16	.....	4
85,518	27,352	781,057	3,785	30,231	8,964	1,071,416	26,059	2,664,575	1,567,100	1,826	312	871	.....	643	.....	5
41,886	29,127	48,875	.....	3,942	1,438	376,851	1,833	564,944	186,260	49	.....	17	.....	32	.....	6
27,929	10,981	50,588	.....	5,160	1,568	139,772	8,578	316,100	167,750	269	.....	.....	.....	269	.....	7
214,216	209,021	869,570	2,263	104,853	16,639	1,228,293	51,530	3,384,742	2,104,919	1,862	317	178	.....	1,367	20	8
173,409	334,886	1,076,542	600	49,420	19,084	4,960,681	47,929	7,633,420	2,624,810	1,559	210	.....	.....	1,349	.....	9
49,561	33,812	628,536	6,752	84,775	7,656	511,964	42,425	1,861,931	1,307,592	853	55	324	.....	474	17	10
47,761	33,652	618,507	6,752	82,791	7,590	506,554	41,750	1,830,844	1,282,540	841	55	322	.....	464	17	11
1,800	160	10,029	.....	1,984	66	5,410	675	31,137	25,052	12	.....	2	.....	10	.....	12
50,877	39,071	240,815	4,107	37,929	3,017	805,371	7,585	1,550,130	737,174	255	5	5	2	243	.....	13
122,034	71,283	154,553	.....	34,140	16,836	4,263,311	32,883	5,143,492	847,298	1,117	955	.....	.....	162	359	14
33,453	10,951	22,435	.....	3,480	1,124	373,121	4,006	527,446	150,319	96	.....	.....	.....	96	.....	15
88,581	60,332	132,118	.....	30,660	15,712	3,890,190	28,877	4,616,046	696,979	1,021	955	.....	.....	66	359	16
41,310	24,603	140,645	503	20,444	4,323	2,319,557	6,497	2,876,238	550,184	292	125	.....	.....	167	149	17
308,976	325,893	383,168	.....	152,260	41,616	3,368,971	97,722	8,454,936	4,988,243	3,022	2,724	15	.....	283	1,572	18
.....	312	22,979	50	2,216	455	22,645	555	75,851	52,651	21	.....	.....	.....	21	.....	19
67,596	90,180	128,806	.....	27,517	2,167	975,113	2,702	1,404,769	426,954	136	70	.....	.....	66	8	20
8,400	4,854	17,033	.....	4,156	157	62,023	1,532	77,316	13,761	17	.....	5	.....	12	.....	21
23,620	72,633	83,845	43	8,080	3,329	356,126	5,155	641,456	280,175	227	98	20	.....	109	6	22
852	398	8,284	.....	1,186	142	13,599	266	33,532	19,667	1	.....	.....	.....	1	.....	23
215,547	158,395	1,433,614	9,923	175,107	12,577	1,533,253	39,126	4,283,787	2,711,408	1,228	.....	15	.....	1,213	.....	24
28,858	9,463	185,958	.....	16,900	2,544	1,146,136	4,426	1,498,342	347,780	146	100	.....	.....	46	.....	25
1,500	.....	2,497	.....	1,148	10	7,765	140	17,380	9,475	2	.....	.....	.....	2	.....	26
273,624	439,576	3,184,622	6,609	110,079	161,147	10,924,989	57,556	16,891,626	5,909,081	3,286	2,258	80	1	947	1,209	27
39,346	26,148	165,396	50	19,273	2,067	289,721	8,203	671,594	373,670	281	40	21	.....	220	.....	28
367,969	416,805	2,158,470	2,426	186,666	38,402	5,044,431	128,236	9,740,786	4,568,119	5,600	2,031	113	1,300	2,156	982	29
366,816	416,058	2,142,336	2,426	185,154	38,310	5,007,071	127,245	9,655,031	4,520,715	5,580	2,031	113	1,300	2,136	982	30
1,153	747	16,134	.....	1,512	92	37,360	991	85,755	47,404	20	.....	.....	.....	20	.....	31
261,221	194,736	2,387,127	4,121	96,449	53,920	6,182,729	32,021	10,229,001	4,014,251	10,720	9,813	90	.....	817	659	32
254,190	165,302	1,108,899	21,920	75,456	22,098	5,110,461	129,950	7,570,456	2,330,045	2,698	200	298	100	2,100	163	33
485,613	1,389,342	6,828,138	11,590	824,297	200,870	22,763,489	875,382	45,250,060	21,611,189	9,465	3,016	502	1	5,946	1,745	34
356,706	986,812	5,521,147	11,590	740,860	134,447	17,294,302	761,372	33,354,593	15,298,919	7,239	1,611	502	1	5,125	1,008	35
128,907	402,530	1,306,991	.....	83,437	66,423	5,469,187	114,010	11,895,467	6,312,270	2,226	1,405	.....	.....	821	737	36
584,025	280,592	5,218,662	232,008	58,303	96,796	1,368,372	2,232,728	12,434,328	8,833,228	42,397	36,575	318	5	5,499	2,435	37
361,641	171,014	3,635,654	210,990	49,156	69,669	703,359	1,585,759	8,318,419	6,029,301	29,689	25,779	162	5	3,743	2,116	38
96,674	39,567	811,100	392	2,884	14,004	265,606	384,737	2,124,750	1,474,407	8,916	8,010	156	.....	750	144	39
55,675	23,686	269,375	660	100	6,578	287,371	123,099	862,543	452,073	1,591	1,200	.....	.....	391	.....	40
70,035	46,325	502,533	19,966	6,163	6,545	112,036	139,133	1,128,616	877,447	2,201	1,586	.....	.....	615	175	41
34,480	51,741	318,124	2,933	12,743	3,948	810,210	9,612	1,533,248	713,426	387	129	64	.....	194	.....	42
34,480	51,741	314,024	2,783	11,279	3,651	803,036	9,377	1,514,436	702,023	381	129	64	.....	188	.....	43
.....	.....	4,100	150	1,464	297	7,174	235	18,812	11,403	6	.....	.....	.....	6	.....	44
53,370	20,065	230,382	4,921	15,981	4,497	604,701	14,354	1,156,397	537,342	267	75	52	.....	140	.....	45
111,784	75,411	326,981	15,550	36,613	10,278	6,895,048	66,514	8,150,539	1,188,977	2,977	2,199	110	.....	668	19	46
35,532	23,766	324,551	3,611	13,010	1,545	292,681	11,952	765,149	460,516	476	240	27	.....	209	.....	47
.....	.....	4,864	.....	420	52	23,370	700	38,477	14,407	.....	.....	.....	.....	.....	.....	48
167,547	59,757	564,769	20,219	14,827	20,158	2,994,886	51,856	4,557,963	1,511,221	4,061	3,026	160	.....	875	196	49
13,012	4,889	56,976	.....	2,620	520	35,666	1,555	167,096	129,875	58	.....	.....	.....	58	.....	50
21,970	9,958	40,542	.....	10,400	507	103,356	2,481	214,884	109,047	135	.....	.....	.....	135	.....	51
18,063	25,848	139,784	1,294	14,861	1,195	71,931	8,461	358,742	278,350	290	4	47	.....	239	.....	52
39,852	25,208	360,135	2,578	13,328	9,129	784,156	19,479	1,418,984	615,349	1,955	1,743	43	.....	169	2	53
36,740	13,760	149,093	.....	17,380	1,219	231,765	4,944	531,705	294,996	195	100	.....	.....	95	28	54
334,491	452,315	3,044,688	39,008	135,127	106,364	7,398,442	166,300	13,773,482	6,208,740	10,330	5,604	231	300	4,195	3,046	55
332,991	451,715	2,992,918	38,808	127,047	104,696	7,341,898	163,010	13,602,940	6,098,032	10,192	5,604	202	300	4,086	3,046	56
1,500	600	51,770	200	8,080	1,668	56,544	3,290	170,542	110,708	138	.....	29	.....	109	.....	57
71,468	161,587	1,386,815	113	8,961	22,817	1,452,948	74,508	3,181,375	1,653,919	1,845	600	.....	.....	1,245	223	58
696,215	1,171,341	20,432,816	63,879	3,840	274,735	17,286,738	1,031,726	41,496,130	23,177,666	36,781	25,195	169	.....	11,417	15,807	59
577,780	966,058	15,685,651	.....	33,660	209,526	39,773,640	655,127	61,315,638	20,886,871	37,622	30,336	4,440	55	2,791	25,736	60
104,844	347,657	350,111	.....	22,948	15,979	85,828	14,059	1,368,158	1,268,271	587	354	.....	.....	233	252	61
242,021	187,421	1,184,492	.....	32,953	26,414	1,927,325	932,142	6,467,707	3,608,240	23,986	21,118	16	.....	2,852	15,377	62
5,056	.....	10,005	5,900	535	287	50,707	1,800	74,993	22,486	50	50	.....	.....	.....	.....	63
8,575	1,300	61,517	12	3,383	639	773,083	8,661	883,977	102,233	469	390	79	.....	.....	.....	64

[1] Same number reported for one or more other months.

[2] Same number reported throughout the year.

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
1	Chemicals	26	1,906	3	59	118	44	1,682	Mh 1,765	Je 1,622	1,682	1,660	20	2	.....	$8,842,612
2	China decorating, not including that done in potteries.	11	78	13	1	9	9	46	Se 51	De 36	36	26	10	.....	.....	116,428
3	Cleansing and polishing preparations	53	226	55	19	30	22	100	.....	.....	108	86	21	1	.....	363,338
4	Cleansing preparations	16	57	17	3	8	4	25	De 30	My 21	32	20	11	1	.....	49,317
5	Polishing preparations	37	169	38	16	22	18	75	Au 82	De 70	76	66	10	.....	.....	314,021
6	Cloth, sponging and refinishing	7	138	6	5	.....	4	123	Au 126	No [3] 120	120	113	1	6	.....	28,365
7	Clothing, men's	578	39,997	464	562	2,906	1,913	34,152	.....	.....	34,365	15,874	17,900	171	420	39,083,039
	Regular factories—															
8	Men's and youths'	217	30,807	23	500	2,671	1,789	25,824	Fe 26,894	No 24,799	25,509	12,461	12,733	102	213	35,954,078
9	Boys'	6	1,247	8	28	193	78	940	Ja 1,030	Ap 868	968	388	555	5	20	1,956,734
10	All other	4	163	1	8	1	3	150	Je 163	De 140	142	30	109	1	2	175,695
	Contract work—															
11	Men's and youths'	340	7,498	417	24	40	41	6,976	Ap 7,300	Ja 6,501	7,468	2,860	4,370	61	177	965,955
12	Boys' and all other	11	282	15	2	1	2	262	Au 300	Ap 226	278	135	133	2	8	30,577
13	Clothing, men's, buttonholes	6	12	6	.....	.....	.....	6	My [3] 7	Ja [3] 4	7	3	4	.....	.....	4,000
14	Clothing, women's	241	9,590	273	265	514	425	8,113	.....	.....	8,377	2,588	5,662	9	118	6,674,493
	Regular factories—															
15	Suits, skirts, and cloaks	111	4,124	134	125	308	218	3,339	Oc 4,100	Je 2,635	3,442	1,774	1,658	3	7	3,346,385
16	Shirt waists and dresses, except house dresses.	40	2,193	42	53	69	97	1,932	Oc 2,145	Jy 1,633	1,944	315	1,570	2	57	1,181,398
17	Undergarments and petticoats.	13	511	13	26	22	16	434	Mh 493	Au 371	413	41	365	2	5	470,725
18	Wrappers and house dresses.	19	1,454	16	33	72	68	1,265	Mh 1,379	Jy 1,104	1,356	140	1,181	2	33	1,066,984
19	All other	32	725	37	23	35	23	607	Je 683	Ja 521	643	65	566	.....	12	503,248
	Contract work—															
20	Suits, skirts, and cloaks	16	329	17	3	.....	.....	309	Au 396	Ja 231	336	195	141	.....	.....	29,540
21	Shirt waists, dresses, wrappers, and all other.	10	254	14	2	8	3	227	Ap 250	Ja 200	243	58	181	.....	4	76,213
22	Coffee and spice, roasting and grinding.	34	1,963	18	87	567	98	1,193	.....	.....	1,115	635	478	2	.....	8,158,982
23	Coffee	31	1,865	18	80	564	95	1,108	Au 1,258	Ja 1,015	1,035	603	431	1	.....	7,994,733
24	Spice	3	98	.....	7	3	3	85	Se 107	Ja 71	80	32	47	1	.....	164,249
25	Coffins, burial cases, and undertakers' goods.	21	988	7	43	123	13	802	Fe 853	De 764	769	595	171	1	2	2,846,445
26	Coke, not including gas-house coke	3	1,283	.....	18	78	9	1,178	Ja 1,615	No 804	831	831	.....	.....	.....	11,204,654
27	Condensed milk and milk products, other than butter and cheese.	34	1,393	2	50	140	23	1,178	Jy 1,264	Ja 1,081	1,097	926	161	3	7	6,229,238
28	Confectionery and ice cream	332	7,378	313	270	576	390	5,829	.....	.....	6,388	2,978	2,996	19	395	11,618,669
29	Confectionery and chewing gum.	147	6,127	104	178	494	342	5,009	Oc 5,929	Jy 4,399	5,533	2,171	2,950	17	395	8,398,637
30	Ice cream	185	1,251	209	92	82	48	820	Au 1,139	Ja 555	855	807	46	2	.....	3,220,032
31	Cooperage	51	1,966	27	81	35	17	1,806	.....	.....	1,844	1,832	5	7	.....	4,106,084
32	Hogsheads and barre's	48	1,780	27	73	33	16	1,631	Oc 1,792	Je 1,415	1,686	1,674	5	7	.....	3,591,800
33	All other	3	186	.....	8	2	1	175	Jy 219	No [3] 149	158	158	.....	.....	.....	514,284
34	Copper, tin, and sheet-iron work	454	3,455	494	176	187	108	2,490	Au 2,659	Fe 2,253	2,515	2,474	25	15	1	5,594,517
35	Cordials and flavoring sirups	9	82	4	14	17	5	42	Je 71	No 31	37	32	5	.....	.....	420,540
36	Corsets	19	2,253	12	39	114	114	1,974	Mh 2,137	De 1,708	1,880	178	1,622	4	76	1,870,827
37	Cutlery and edge tools	16	573	15	11	16	15	516	Oc 586	Jy 297	537	461	65	10	1	933,762
38	Dairymen's, poultrymen's, and apiarists' supplies.	32	773	33	34	34	34	638	.....	.....	670	628	38	4	.....	1,640,154
39	Incubators and brooders	7	202	3	8	6	8	177	Fe [3] 259	Se 102	202	195	5	2	.....	309,834
40	Other poultrymen's supplies and apiarists' supplies.	15	202	21	9	11	9	152	Mh 179	Oc 123	159	132	27	.....	.....	327,653
41	Dairymen's supplies, including cream separators.	10	369	9	17	17	17	309	My 360	Au 263	309	301	6	2	.....	1,002,667
42	Dental goods	11	163	6	10	12	31	104	Fe [3] 112	Oc 98	100	79	11	10	.....	71,037
43	Druggists' preparations	38	684	20	47	149	110	358	My [3] 371	Ja 340	362	232	129	1	.....	1,960,343
44	Dyeing and finishing textiles, exclusive of that done in textile mills.	8	300	5	8	10	9	268	Mh 302	Jy 222	291	182	104	1	4	579,231
45	Electrical machinery, apparatus, and supplies.	142	20,485	49	553	2,634	766	16,483	Ja 18,186	De 14,018	14,084	11,097	2,943	34	10	34,944,881
46	Electroplating	46	494	56	26	6	8	398	Je 424	Ap 357	395	353	30	11	1	343,044
47	Emery and other abrasive wheels	5	65	3	7	10	4	41	Ap [3] 47	Ja [3] 37	39	36	3	.....	.....	115,348
48	Engines, steam, gas, and water	30	2,130	15	53	155	47	1,860	Fe 2,059	Se 1,548	1,997	1,990	6	1	.....	9,953,961
49	Engravers' materials	3	53	.....	7	5	6	35	De 36	Ja 34	36	36	.....	.....	.....	129,886
50	Engraving and diesinking	31	421	35	9	31	8	338	Au 354	No 326	332	309	11	12	.....	698,891
51	Engraving, steel and copper plate, including plate printing.	48	1,723	40	75	103	80	1,425	De 1,470	Mh 1,354	1,472	1,040	347	40	45	2,864,796
52	Engraving, wood	12	262	8	12	41	11	190	Jy 221	Fe 173	193	191	2	.....	.....	143,589
53	Envelopes	19	1,307	6	53	92	66	1,090	Mh 1,130	Je 1,048	1,104	444	640	7	13	2,190,472
54	Explosives	9	477	.....	24	63	24	366	Se 403	My 327	362	361	.....	1	.....	2,855,036
55	Fancy articles, not elsewhere specified.	43	851	38	52	100	46	615	.....	.....	611	245	361	5	3	1,230,095
56	Beadwork	3	11	4	.....	.....	1	6	Fe [3] 8	Ja [3] 5	5	1	4	.....	.....	6,425
57	Metal and paper novelties	18	310	11	24	22	17	236	Oc 285	Ja 187	267	135	130	1	1	335,133
58	Celluloid, wood, and other novelties.	22	530	23	28	78	28	373	Se 453	Ja 314	342	109	227	4	2	888,537

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Expenses. Salaries and wages. Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent and taxes. Rent of factory.	Taxes, including internal revenue and corporation income.	For materials. Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Power. Primary horsepower. Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
$167,353	$185,533	$1,164,006	$360	$13,129	$42,323	$4,983,029	$377,390	$8,618,118	$3,257,699	8,590	6,941	320	.....	1,329	5,117	1
2,560	24,763	35,702	.....	5,084	779	38,770	1,920	156,020	115,330	3	.....	.....	.....	3	.....	2
47,166	59,586	56,784	2,630	17,437	2,318	352,866	4,596	662,630	305,168	102	12	.....	.....	90	.....	3
3,466	6,166	13,275	1,830	6,665	369	41,366	963	100,775	58,446	34	12	.....	.....	22	.....	4
43,700	53,420	43,509	800	10,772	1,949	311,500	3,633	561,855	246,722	68	.....	.....	.....	68	.....	5
9,113	2,028	86,005	.....	14,970	300	400	1,632	159,895	157,863	35	.....	.....	.....	35	.....	6
2,278,700	4,678,088	19,578,872	5,381,862	1,386,584	189,171	40,185,091	318,133	87,512,126	47,008,902	4,828	805	50	.....	3,973	454	7
2,139,059	4,386,056	15,301,430	5,102,186	1,193,862	174,217	37,970,437	238,727	78,640,488	40,431,324	3,944	805	20	.....	3,119	454	8
75,424	231,557	612,000	159,905	53,611	4,969	1,717,983	11,590	3,404,012	1,674,439	112	.....	.....	.....	112	.....	9
20,280	6,680	70,238	.....	7,746	349	356,182	2,198	513,646	155,266	29	.....	.....	.....	29	.....	10
39,867	51,845	3,497,798	119,771	126,913	9,358	137,119	62,566	4,819,641	4,619,956	703	.....	30	.....	673	.....	11
4,070	1,950	97,406	.....	4,452	278	3,370	3,052	134,339	127,917	40	.....	.....	.....	40	.....	12
.....	.....	3,248	.....	480	24	721	340	8,931	7,870	6	.....	.....	.....	6	.....	13
537,108	724,755	4,530,374	329,009	441,094	26,514	11,138,900	80,296	20,750,550	9,531,354	1,163	.....	.....	.....	1,163	5	14
288,707	431,133	2,280,342	325,242	229,727	10,019	6,334,147	33,553	11,385,179	5,017,479	353	.....	.....	.....	353	.....	15
133,193	119,448	1,074,040	3,317	99,994	5,708	1,917,346	16,801	3,957,165	2,023,018	280	.....	.....	.....	280	5	16
54,668	39,978	236,284	.....	25,803	1,504	825,468	5,679	1,325,676	494,529	113	.....	.....	.....	113	.....	17
50,824	84,798	416,252	.....	45,484	1,964	1,169,728	11,768	2,211,322	1,029,826	231	.....	.....	.....	231	.....	18
55,536	36,526	241,518	450	25,377	6,762	783,564	6,005	1,365,709	576,140	113	.....	.....	.....	113	.....	19
5,400	.....	187,648	.....	7,050	183	5,059	3,230	243,742	235,453	32	.....	.....	.....	32	.....	20
780	12,872	94,290	.....	7,659	374	103,588	3,260	261,757	154,909	41	.....	.....	.....	41	.....	21
297,455	1,050,176	575,985	400	149,234	53,622	17,020,501	73,089	22,044,588	4,950,998	3,152	1,375	169	.....	1,608	1,125	22
284,955	1,043,604	537,189	400	141,352	52,859	16,583,186	64,977	21,494,545	4,846,382	2,923	1,320	169	.....	1,434	1,125	23
12,500	6,572	38,796	.....	7,882	763	437,315	8,112	550,043	104,616	229	55	.....	.....	174	.....	24
124,935	240,054	527,067	1,190	30,134	16,230	1,283,919	23,552	2,705,383	1,397,912	1,359	817	61	.....	481	139	25
60,885	114,869	942,432	.....	4,167	45,612	320,677	5,507,499	7,840,247	2,012,071	13,054	7,780	.....	.....	5,274	6,809	26
129,131	162,119	690,052	3,421	4,463	56,743	10,268,957	223,369	12,757,704	2,265,378	2,738	2,578	118	.....	42	379	27
736,740	932,011	2,870,980	11,700	337,683	195,113	14,601,640	303,497	27,061,002	12,155,865	10,091	4,104	991	19	4,977	3,111	28
595,035	818,265	2,255,483	10,127	260,432	176,373	11,899,693	194,940	22,138,559	10,043,926	5,343	3,444	150	.....	1,749	2,478	29
141,705	113,746	615,497	1,573	77,251	18,740	2,701,947	108,557	4,922,443	2,111,939	4,748	660	841	19	3,228	633	30
199,705	52,105	1,041,805	6,993	26,804	26,841	4,435,895	39,277	6,336,556	1,861,384	4,458	4,221	.....	.....	237	122	31
178,554	49,024	938,419	6,993	26,804	24,113	3,965,981	38,436	5,649,686	1,645,269	4,058	3,821	.....	.....	237	36	32
21,151	3,081	103,476	.....	.....	2,728	469,914	841	686,870	216,115	400	400	.....	.....	.....	86	33
353,785	263,747	1,973,139	63,074	179,042	32,442	3,940,595	65,788	8,299,150	4,292,767	2,396	776	110	.....	1,510	297	34
30,130	24,769	24,009	.....	10,781	8,234	807,449	1,218	2,015,860	1,207,193	659	625	.....	.....	34	8	35
148,200	248,758	715,439	.....	46,704	8,552	2,043,692	19,101	3,978,982	1,916,189	341	50	.....	.....	291	.....	36
36,374	29,873	233,434	325	4,209	3,697	219,350	14,022	681,233	447,861	715	580	15	.....	120	114	37
72,125	55,328	389,543	5,250	17,281	10,186	1,072,042	22,042	2,307,367	1,213,283	886	295	44	65	482	99	38
17,080	9,910	93,220	.....	3,315	1,167	265,045	4,661	454,092	184,386	295	.....	.....	65	230	.....	39
14,520	20,627	78,533	250	7,376	1,549	465,807	4,189	754,787	284,791	205	40	38	.....	127	5	40
40,525	24,791	217,790	5,000	6,590	7,470	341,190	13,192	1,098,488	744,106	386	255	6	.....	125	94	41
19,965	19,795	71,568	200	9,300	338	128,212	2,508	296,680	165,960	41	.....	6	.....	35	.....	42
122,977	286,863	234,356	9,589	27,780	12,148	717,149	19,559	2,000,494	1,263,786	786	653	43	.....	90	324	43
18,544	13,104	149,237	1,057	900	4,642	178,345	29,449	504,199	296,405	476	379	.....	.....	97	42	44
1,489,069	3,305,234	12,365,964	40,288	353,623	363,233	19,060,369	318,795	45,667,456	26,288,292	21,140	17,232	258	125	3,525	14,487	45
39,661	10,412	291,227	.....	36,657	1,269	340,075	17,147	864,976	507,754	990	450	84	.....	456	73	46
10,380	12,219	41,416	.....	5,040	665	64,645	2,213	194,383	127,525	57	.....	.....	.....	57	.....	47
124,300	204,948	1,412,171	4,085	20,578	41,813	1,757,280	84,658	3,948,730	2,106,792	2,891	1,196	242	110	1,343	856	48
20,450	10,101	27,776	.....	6,021	958	237,768	4,111	339,390	97,511	185	.....	.....	.....	185	.....	49
27,390	32,185	267,247	355	25,756	3,439	204,530	10,913	815,552	600,109	218	.....	71	.....	147	.....	50
207,000	195,241	953,964	120,796	78,813	12,896	869,685	32,796	3,161,467	2,258,986	1,305	750	1	.....	554	692	51
58,233	44,294	238,249	3,674	14,060	403	66,492	1,101	490,224	422,631	13	.....	.....	.....	13	.....	52
131,632	155,374	568,325	3,972	51,138	8,604	1,405,908	23,092	2,887,406	1,457,506	821	80	2	.....	739	3	53
71,420	123,513	193,905	903	1,500	9,668	1,618,640	36,542	2,581,762	926,580	2,083	2,077	6	.....	.....	1,350	54
80,801	216,819	412,686	18,855	43,850	2,355	1,101,126	15,608	2,201,158	1,084,424	384	.....	43	.....	341	.....	55
.....	365	2,247	300	978	21	6,297	49	13,300	6,954	1	.....	.....	.....	1	.....	56
38,285	33,742	122,751	17,335	15,858	1,344	277,692	7,317	617,291	332,282	277	.....	40	.....	237	.....	57
42,516	182,712	287,688	1,220	27,014	990	817,137	8,242	1,570,567	745,188	106	.....	3	.....	103	.....	58

[1] Same number reported for one or more other months.

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
1	Feathers and plumes	4	42	2	3	1	1	35	Ap [3] 39	Ja 26	37	6	30	.....	1	$19,898
2	Fertilizers	12	873	5	45	111	16	696	Se 837	Oc 550	588	588	.....	.....	.....	2,759,270
3	Flags and banners	8	156	4	11	9	7	125	De 155	Fe 102	155	26	80	.....	49	114,155
4	Flavoring extracts	27	294	16	33	61	40	144	My 173	De 117	122	74	47	1	.....	824,106
5	Flour-mill and gristmill products	406	3,569	458	254	355	104	2,398	Au 2,490	Ja 2,297	2,530	2,513	14	3	.....	19,474,726
6	Food preparations, not elsewhere specified.	115	2,593	106	122	423	150	1,790	.....	.....	1,948	1,347	584	7	10	6,969,391
7	Breadstuff preparations, cereals, and table foods.	12	286	6	9	57	10	204	Au 247	Fe 149	234	146	86	1	1	1,040,172
8	Macaroni, vermicelli, and noodles.	16	491	40	18	52	13	368	Mh 404	My 319	370	233	127	3	7	800,578
9	Lard compounds and meat products.	11	249	* 8	17	27	10	187	Au 245	Ja 153	188	112	73	1	2	714,616
10	Sausage casings	7	247	7	2	12	1	225	Ja 235	Mh 207	230	149	81	.....	.....	93,955
11	Other preparations, for human consumption.	51	800	36	50	154	68	492	Oc 630	Ja 417	601	384	215	2	.....	2,254,413
12	For animals and fowls	18	520	11	26	121	48	314	Se 363	No 272	325	323	2	.....	.....	2,065,657
13	Foundry and machine-shop products.	821	44,249	489	1,730	3,877	1,023	37,130	.....	.....	33,952	32,991	779	148	34	116,539,659
14	Boiler shops	13	111	18	3	5	2	83	Jy [3] 94	No [3] 77	81	80	1	.....	.....	127,741
15	Foundries	79	13,394	36	323	1,181	86	11,768	Au 12,392	De 10,472	10,636	10,333	274	29	.....	24,912,084
16	Machine shops	729	30,744	435	1,404	2,691	935	25,279	Mh 27,175	De 22,476	23,235	22,578	504	119	34	91,499,834
17	Foundry supplies	7	142	.....	10	22	15	95	Mh 100	De 90	93	93	.....	.....	.....	489,630
18	Fur goods	84	479	71	35	44	29	300	No 444	Ap 188	430	236	189	2	3	1,086,649
19	Furnishing goods, men's	44	2,465	42	42	209	94	2,078	Mh 2,174	Je 1,939	2,167	324	1,763	15	65	2,843,260
20	Furniture	274	15,268	186	543	835	354	13,350	.....	.....	13,230	12,800	291	131	8	26,475,505
21	Wood, including rattan and willow.	175	11,669	124	370	504	231	10,440	Mh 10,872	Jy 9,872	10,500	10,135	233	125	7	20,660,405
22	Metal	25	1,166	12	57	78	33	986	Mh 1,091	De 915	923	901	19	3	.....	2,021,416
23	Store and office fixtures	74	2,433	50	116	253	90	1,924	My 2,089	De 1,713	1,807	1,764	39	3	1	3,793,684
24	Furs, dressed	3	52	1	5	3	1	42	No 48	Mh 37	44	38	6	.....	.....	27,846
25	Galvanizing	8	122	12	9	5	2	94	Fe 105	Ja 83	89	89	.....	.....	.....	189,550
26	Gas and electric fixtures	55	2,131	31	101	202	87	1,710	.....	.....	1,741	1,431	271	33	6	3,773,091
27	Gas fixtures	14	400	14	23	26	18	319	Fe 394	Se 273	311	81	224	2	4	782,767
28	Electric fixtures	30	1,565	10	64	160	52	1,279	Ja 1,364	Au 1,201	1,300	1,226	43	29	2	2,602,919
29	All other	11	166	7	14	16	17	112	Ja 133	Jy 100	130	124	4	2	.....	387,405
30	Gas, illuminating and heating	75	6,256	.....	254	1,999	113	3,890	My 4,507	Ja 3,353	3,464	3,464	.....	.....	.....	169,528,184
31	Gas machines and gas and water meters.	17	392	4	30	134	25	199	.....	.....	194	189	5	.....	.....	1,552,338
32	Gas machines	10	89	2	10	5	4	68	Au [3] 72	Mh 61	76	71	5	.....	.....	140,098
33	All other	7	303	2	20	129	21	131	Jy 140	De 118	118	118	.....	.....	.....	1,412,210
34	Glass	10	4,038	3	68	159	44	3,764	Ja 4,337	Se 2,694	4,028	3,859	159	9	1	11,487,541
35	Glass, cutting, staining, and ornamenting.	56	1,100	39	62	54	34	911	De 951	Jy 871	974	828	111	27	8	1,079,519
36	Gloves and mittens, leather	28	1,530	30	48	43	38	1,371	Ja 1,460	De 1,270	1,282	581	652	6	43	2,048,149
37	Glue, not elsewhere specified	9	1,195	6	11	189	21	968	Ap 1,060	No 901	928	844	84	.....	.....	5,552,170
38	Gold, leaf and foil	6	166	2	14	.....	4	146	No 160	Je [3] 136	156	72	67	7	10	97,430
39	Grease and tallow, not including lubricating greases.	39	971	34	35	101	29	772	.....	.....	801	773	25	3	.....	3,344,472
40	Soap stock	11	213	8	10	11	2	182	Se 312	My 141	246	246	.....	.....	.....	867,389
41	Tallow	21	733	19	24	90	27	573	Ap 600	No 536	538	510	25	3	.....	2,387,202
42	All other	7	25	7	1	.....	.....	17	Ap [3] 19	Mh [3] 15	17	17	.....	.....	.....	89,881
43	Hair work	27	240	19	13	10	22	176	Se 203	De 149	162	31	130	1	.....	378,779
44	Hand stamps	25	276	21	20	38	19	178	My 191	Se 165	174	131	38	5	.....	393,678
45	Hardware	80	4,750	35	174	343	163	4,035	.....	.....	3,824	3,417	364	38	5	10,990,575
46	Locks, hinges, and other builders' hardware.	23	1,898	7	44	145	51	1,651	Au 1,685	De 1,596	1,602	1,428	152	17	5	3,995,365
47	All other	57	2,852	28	130	198	112	2,384	Fe 2,657	De 2,211	2,222	1,989	212	21	.....	6,995,210
48	Hat and cap materials	3	12	2	.....	1	1	8	(1) 8	(1) 8	8	2	6	.....	.....	5,664
49	Hats and caps, other than felt, straw, and wool.	36	564	46	23	20	10	465	Je 496	Ja 393	458	316	137	5	.....	288,116
50	Hats, fur-felt	9	57	8	5	1	.....	43	Ap 49	De 36	40	20	20	.....	.....	55,759
51	Hats, straw	7	82	13	2	1	1	65	Je 117	Au [3] 48	64	38	26	.....	.....	101,255
52	Hats, wool-felt	5	34	6	4	3	3	18	Ap [3] 20	Ja [3] 16	18	16	2	.....	.....	18,555
53	Horseshoes, not made in steel works or rolling mills.	3	50	.....	5	7	3	35	Oc 40	Mh [3] 31	37	37	.....	.....	.....	203,498
54	Hosiery and knit goods	46	3,783	22	89	65	72	3,535	De 3,656	Au 3,308	3,683	1,150	2,449	11	73	7,713,754
55	House-furnishing goods, not elsewhere specified.	46	732	41	47	55	83	506	.....	.....	512	242	250	6	14	1,384,441
56	Comforts, quilts, feather pillows, and beds.	8	149	7	10	21	1	110	Fe 118	De 102	103	72	30	1	.....	452,289
57	Mops and dusters	16	306	11	18	21	69	187	Ap 217	Au 134	181	77	98	1	5	564,325
58	All other	22	277	23	19	13	13	209	Au 230	Ap 177	228	93	122	4	9	367,827
59	Ice, manufactured	128	1,641	36	166	92	35	1,312	Jy 1,874	Ja 901	1,279	1,279	.....	.....	.....	8,212,344
60	Ink, printing	9	83	7	10	12	.....	54	Se 56	Ja [3] 53	55	50	1	4	.....	363,202
61	Instruments, professional and scientific.	30	1,411	21	44	133	109	1,104	.....	.....	1,023	776	239	4	4	2,808,749
62	Medical, surgical, and optical	12	173	7	14	11	6	135	No 144	Je 127	143	140	1	2	.....	258,298
63	All other	18	1,238	14	30	122	103	969	Jy 1,066	No 851	880	636	238	2	4	2,550,451

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
$3,305	$1,024	$15,557	.....	$2,535	$84	$21,451	$330	$59,783	$38,002	1	.....	.....	.....	1	.....	1
133,456	156,324	397,653	$3,102	51,503	16,203	2,233,930	115,797	3,775,287	1,425,560	3,739	1,196	.....	.....	2,543	343	2
12,666	8,929	56,040	1,550	12,265	294	128,651	1,302	288,820	158,867	25	.....	.....	.....	25	.....	3
74,625	88,102	82,562	.....	26,532	3,959	681,191	8,439	1,400,777	711,147	260	90	32	.....	138	.....	4
519,045	462,812	1,456,410	3,138	44,934	120,943	42,489,475	351,432	49,493,224	6,652,317	35,793	30,086	1,914	750	3,043	902	5
303,995	555,521	1,006,244	7,125	118,950	46,855	12,580,308	170,885	17,620,136	4,868,943	7,772	4,457	488	340	2,487	988	6
23,461	60,160	108,111	.....	7,559	3,570	848,475	28,764	1,538,389	661,150	1,188	593	87	.....	508	.....	7
40,457	36,549	165,890	1,000	24,156	2,928	699,469	31,117	1,278,183	547,597	966	505	14	.....	447	136	8
45,830	56,383	88,862	.....	13,333	8,139	2,258,316	12,098	2,794,533	524,119	620	410	36	.....	174	.....	9
4,820	9,648	123,563	.....	9,450	849	328,266	7,579	595,750	259,905	107	52	.....	.....	55	5	10
112,321	242,576	299,898	2,525	50,028	14,557	3,043,796	44,848	4,554,863	1,466,219	1,591	827	239	.....	525	421	11
77,106	150,205	219,920	3,600	14,424	16,812	5,401,986	46,479	6,858,418	1,409,953	3,300	2,070	112	340	778	426	12
4,686,328	5,357,092	25,795,712	505,091	889,617	743,935	37,127,078	2,399,446	95,368,347	55,841,823	78,116	36,427	2,281	1,114	38,294	23,078	13
5,200	4,110	62,086	1,644	5,050	1,063	67,267	4,260	215,320	143,793	185	28	.....	.....	157	.....	14
973,101	1,427,189	7,675,931	30,227	236,529	290,682	8,669,012	1,202,980	24,819,805	14,947,813	20,658	6,174	97	259	14,128	3,101	15
3,708,027	3,925,793	18,057,695	473,220	648,038	452,190	28,390,799	1,192,206	70,333,222	40,750,217	57,273	30,225	2,184	855	24,009	19,977	16
32,555	39,548	57,875	45	4,252	2,227	204,236	16,840	404,624	183,548	1,123	700	150	.....	273	.....	17
55,150	56,708	219,053	24,108	93,115	2,227	864,415	5,426	1,604,873	735,032	141	.....	55	.....	86	21	18
123,291	307,209	823,419	3,241	82,376	14,718	3,267,862	14,177	5,063,472	1,781,433	677	500	.....	.....	177	274	19
1,262,880	1,193,402	8,610,514	72,197	483,177	161,182	14,736,347	380,609	31,889,569	16,772,613	25,391	17,173	2,988	.....	5,230	4,229	20
871,747	783,346	6,431,831	34,950	294,118	130,869	10,845,792	273,269	23,379,017	12,259,956	17,678	14,063	145	.....	3,470	3,397	21
133,190	116,568	663,919	141	42,753	12,033	1,630,570	40,861	2,862,460	1,191,029	1,722	940	150	.....	632	468	22
257,943	293,488	1,514,764	37,106	146,306	18,280	2,259,985	66,479	5,648,092	3,321,628	5,991	2,170	2,693	.....	1,128	364	23
14,860	3,520	24,003	.....	3,000	210	7,379	1,880	65,336	56,077	40	.....	.....	.....	40	.....	24
21,344	7,561	58,206	213	3,180	2,190	184,508	10,958	347,144	151,678	94	25	65	.....	4	.....	25
281,071	274,278	1,149,343	22,240	110,071	16,848	2,464,204	49,567	5,059,924	2,546,153	1,890	1,120	141	120	509	430	26
57,815	38,438	138,554	3,401	7,799	4,002	527,371	16,218	951,085	407,496	178	50	24	.....	104	.....	27
192,731	207,740	924,000	17,209	86,735	11,497	1,753,391	27,272	3,665,161	1,884,498	1,553	1,070	67	120	296	430	28
30,525	28,100	86,789	1,630	15,537	1,349	183,442	6,077	443,678	254,159	159	.....	50	.....	109	.....	29
676,968	1,723,491	2,658,835	46,241	3,071	1,264,238	2,619,670	5,415,819	28,170,560	20,135,071	31,058	25,420	5,165	.....	473	600	30
81,516	169,290	149,446	2,550	4,860	7,481	367,943	5,960	1,177,778	803,375	119	15	14	.....	90	.....	31
19,160	7,738	43,887	1,450	2,616	738	69,023	1,867	195,456	124,566	59	15	14	.....	30	.....	32
62,356	161,552	105,559	1,100	2,244	6,743	298,920	4,093	982,322	679,309	60	.....	.....	.....	60	.....	33
194,402	249,627	2,692,125	.....	1,000	58,969	1,850,693	957,157	7,680,343	4,872,493	9,685	7,740	975	.....	970	3,866	34
123,672	77,961	615,890	3,357	67,221	5,766	913,446	27,865	2,041,688	1,100,377	385	30	8	35	312	.....	35
80,082	51,803	645,868	740	11,210	7,729	1,666,350	20,870	2,773,867	1,086,647	797	600	4	.....	193	.....	36
80,036	178,650	614,104	.....	27,160	22,111	2,209,519	175,425	3,731,375	1,346,431	3,316	2,965	.....	.....	351	10	37
16,350	3,504	73,709	4,921	3,302	363	145,434	1,385	256,798	109,979	66	50	.....	.....	16	5	38
110,782	101,443	564,383	216	4,067	22,790	3,300,973	134,456	4,760,845	1,325,416	2,213	2,147	11	.....	55	1,617	39
22,827	13,360	129,727	.....	1,472	6,606	253,285	27,565	665,223	384,373	327	311	6	.....	10	590	40
82,455	88,083	421,801	100	2,450	15,512	3,009,852	104,985	4,009,417	894,580	1,784	1,739	5	.....	40	1,027	41
5,500	.....	12,855	116	145	672	37,836	1,906	86,205	46,463	102	97	.....	.....	5	.....	42
28,124	21,950	96,531	4,259	27,804	1,743	281,771	687	601,782	319,324	6	.....	.....	.....	6	.....	43
44,752	39,174	121,747	100	26,920	1,723	165,997	3,984	540,080	370,099	156	.....	17	.....	139	1	44
446,282	688,649	2,387,755	18,074	73,222	57,970	4,230,439	159,490	10,407,290	6,017,361	4,853	2,830	287	53	1,683	1,503	45
100,581	361,035	916,163	6,754	18,792	17,803	1,410,762	52,038	3,722,541	2,259,741	1,719	1,060	35	.....	624	601	46
345,701	327,614	1,471,592	11,320	54,430	40,167	2,819,677	107,452	6,684,749	3,757,620	3,134	1,770	252	53	1,059	902	47
.....	208	5,500	.....	1,200	14	690	139	13,400	12,571	1	.....	.....	.....	1	.....	48
34,560	21,614	304,967	.....	34,248	964	511,387	5,297	1,126,735	610,051	81	.....	.....	.....	81	.....	49
8,782	3,600	28,050	.....	4,116	192	51,185	1,513	118,069	65,371	22	.....	.....	.....	22	.....	50
3,938	1,812	41,656	.....	9,670	395	86,343	1,037	210,841	123,461	15	.....	.....	.....	15	.....	51
3,340	3,054	10,562	.....	8,136	112	24,633	535	65,044	39,876	223	.....	.....	.....	223	.....	52
12,762	7,906	31,313	.....	.....	1,303	146,596	7,830	287,352	132,926	171	.....	120	.....	51	.....	53
205,437	133,034	1,546,122	123,407	80,554	37,951	3,983,157	83,482	7,367,235	3,300,596	2,531	1,165	34	.....	1,332	460	54
140,189	204,619	253,898	24,695	45,946	9,209	1,510,295	11,930	3,079,275	1,557,050	698	475	38	.....	185	115	55
50,338	33,614	72,333	273	12,217	4,021	452,586	5,117	718,845	261,142	269	250	.....	.....	19	15	56
51,532	144,853	95,134	1,223	16,981	2,954	700,586	4,932	1,671,027	965,509	220	100	8	.....	112	.....	57
38,319	26,152	86,431	23,199	16,748	2,234	357,123	1,881	689,403	330,399	209	125	30	.....	54	100	58
221,655	83,889	969,718	3,812	14,553	57,058	367,893	637,529	3,388,862	2,383,440	26,183	20,988	244	125	4,826	1,398	59
41,147	20,507	37,690	.....	7,285	2,583	249,238	10,510	503,538	243,790	345	.....	.....	.....	345	.....	60
144,400	275,104	814,375	7,225	35,185	11,819	1,089,431	31,130	3,969,727	2,849,166	1,065	115	42	.....	908	178	61
31,545	13,571	105,081	150	13,468	2,565	97,469	2,242	332,320	232,609	114	25	20	.....	69	.....	62
112,855	261,533	709,291	7,075	21,717	9,254	991,962	28,888	3,637,407	2,616,557	951	90	22	.....	839	178	63

[1] Same number reported for one or more other months.

[2] Same number reported throughout the year.

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	Industry and city.	Number of establishments.	Persons engaged in the industry.									Wage earners Dec. 15, or nearest representative day.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.		Male.	Female.	Male.	Female.	
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
1	Iron and steel, blast furnaces	5	1,653	.....	57	117	29	1,450	My	1,744	No	886	1,041	1,041	.....	.....	.....	$51,695,551
2	Iron and steel, steel works and rolling mills.	25	17,416	.....	463	1,374	171	15,408	Mh	17,644	De	11,159	13,707	13,692	12	3	.....	75,266,666
3	Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills.	8	519	.....	17	28	4	470	Mh [3]	480	Je	452	473	401	72	.....	.....	1,359,270
4	Iron and steel, doors and shutters	9	397	1	22	38	11	325	Ja	387	Au	293	310	310	.....	.....	.....	764,569
5	Iron and steel forgings, not made in steel works or rolling mills.	17	841	7	32	36	16	750	Au	815	No	613	697	697	.....	.....	.....	2,666,833
6	Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.	6	282	4	11	29	9	229	Fe	233	De	224	224	168	56	.....	.....	872,646
7	Japanning	3	65	2	3	1	.....	59	My	73	De	44	50	48	2	.....	.....	29,031
8	Jewelry	100	1,395	112	62	139	90	992	Ja	1,024	Jy	948	1,006	877	116	13	.....	2,426,110
9	Jewelry and instrument cases	8	254	5	9	2	4	234	Ja	260	Se	217	238	83	133	7	15	143,705
10	Labels and tags	14	584	9	31	32	39	473	Oc	500	Au	444	462	233	217	1	11	908,143
11	Lamps and reflectors	21	463	9	28	28	30	368	.....	.....	.....	.....	364	309	38	14	3	416,804
12	Automobile, carriage, and wagon lamps.	3	59	.....	5	1	4	49	Ap	75	No	25	33	31	1	1	.....	45,783
13	All other lamps	15	381	7	19	27	24	304	No	372	Je	261	316	264	36	13	3	347,646
14	Reflectors	3	23	2	4	.....	2	15	Ja [3]	16	Se [3]	14	15	14	1	.....	.....	23,375
15	Lapidary work	6	42	2	4	7	1	28	Oc	36	Mh	23	34	34	.....	.....	.....	181,757
16	Leather goods, not elsewhere specified.	38	567	27	40	31	21	448	Fe	472	De	402	453	299	143	4	7	935,043
17	Leather, tanned, curried, and finished.	28	2,897	24	53	122	20	2,678	Fe	2,847	Se	2,455	3,012	2,990	19	3	.....	16,774,503
18	Lime	14	506	6	21	27	4	448	Se	584	Fe	337	409	409	.....	.....	.....	1,748,045
19	Liquors, distilled, alcohol and whisky.	7	989	.....	32	80	22	855	Mh	889	My	819	869	786	81	.....	2	12,201,963
20	Liquors, malt	89	6,918	24	398	703	44	5,749	Jy	6,246	Fe	5,453	5,588	5,529	44	15	.....	60,677,591
21	Lithographing	34	1,150	14	54	99	39	944	My	965	Fe	914	956	810	136	8	2	2,095,232
22	Looking-glass and picture frames	59	2,113	41	76	157	98	1,741	Mh	1,806	De	1,578	1,824	1,636	157	26	5	2,761,910
23	Lubricating greases	8	108	.....	15	35	5	53	Je [3]	59	Ja	46	48	48	.....	.....	.....	287,335
24	Lumber and timber products	203	2,975	254	80	66	13	2,562	Je	3,075	De	1,795	2,958	2,952	6	.....	.....	4,086,072
25	Lumber, planing-mill products, not including planing mills connected with sawmills.	333	9,170	217	433	590	196	7,734	Jy	8,261	De	7,168	7,681	7,613	16	46	6	19,061,558
26	Malt	14	543	1	28	70	6	438	Ja [3]	531	Au	295	449	449	.....	.....	.....	10,722,796
27	Marble and stone work, not including slate products.	312	2,654	367	146	116	50	1,975	Jy	2,143	Fe	1,784	1,942	1,935	7	.....	.....	5,116,260
28	Mattresses and spring beds, not elsewhere specified.	86	1,305	82	53	109	43	1,018	My	1,072	De	955	968	802	164	2	.....	1,656,401
29	Millinery and lace goods, not elsewhere specified.	102	4,003	68	119	320	173	3,323	.....	.....	.....	.....	3,353	837	2,443	9	64	2,805,993
30	Embroideries	26	623	19	24	46	23	511	Mh	560	Jy	444	547	102	388	4	53	463,791
31	Trimmed hats and hat frames	54	2,854	36	68	245	131	2,374	Mh	3,304	Je	1,517	2,337	683	1,641	4	9	2,006,258
32	Women's neckwear	6	158	2	10	4	6	136	Oc	159	De	118	137	21	114	.....	2	77,404
33	All other, including dress and cloak trimmings.	16	368	11	17	25	13	302	Oc	342	Jy	272	332	31	300	1	.....	258,540
34	Mineral and soda waters	287	1,365	311	94	98	26	836	Jy	1,076	Fe	674	824	791	26	7	.....	2,265,214
35	Minerals and earths, ground	11	203	2	17	14	21	149	Oc	175	De	129	143	137	6	.....	.....	632,211
36	Mirrors, framed and unframed	13	390	7	22	23	12	326	Ja [3]	343	Je [3]	311	322	319	2	1	.....	568,780
37	Models and patterns, not including paper patterns.	76	575	75	25	14	10	451	Mh	510	Oc	375	412	384	24	4	.....	443,954
38	Motorcycles, bicycles, and parts	13	1,015	7	19	58	20	911	Ap	1,405	Se	420	634	625	9	.....	.....	1,584,178
39	Mucilage and paste	9	64	9	5	2	7	41	Ja	48	Jy	38	41	26	15	.....	.....	99,000
40	Musical instruments and materials, not specified.	27	461	23	21	21	18	378	.....	.....	.....	.....	391	346	40	4	1	691,414
41	Brass and other metal	4	163	4	4	13	16	126	Fe [3]	128	Ja	123	126	123	3	.....	.....	229,808
42	Violins and other stringed instruments.	17	161	17	11	2	.....	131	Fe [3]	157	Au	109	130	122	3	4	1	280,085
43	All other	6	137	2	6	6	2	121	Oc	139	Fe	100	135	101	34	.....	.....	181,521
44	Musical instruments, organs	10	265	6	14	4	9	232	Ja	242	No	210	210	200	8	2	.....	432,649
45	Musical instruments, pianos	43	7,527	9	144	434	258	6,682	Ap	7,064	Oc	6,370	6,414	6,098	240	63	13	36,453,010
46	Musical instruments, piano materials.	18	1,523	9	44	29	21	1,420	Ja	1,586	De	1,212	1,340	938	385	15	2	2,454,611
47	Oil, not elsewhere specified	7	55	4	8	17	5	21	Jy	29	Ja	14	19	18	.....	.....	1	176,305
48	Paints	40	2,728	10	137	772	139	1,670	Ap	1,856	No	1,488	1,488	1,338	149	1	.....	15,997,632
49	Paper and wood pulp	21	1,954	.....	55	143	52	1,704	Se	1,792	Fe	1,592	1,788	1,750	34	4	.....	9,994,215
50	Paper goods, not elsewhere specified.	24	539	9	36	59	28	407	Au	478	Ja	330	409	182	221	.....	6	916,364
51	Patent medicines and compounds	265	2,634	155	224	693	449	1,113	Mh	1,223	Au	1,022	1,069	601	430	10	28	7,969,991
52	Paving materials	22	1,783	3	52	57	12	1,659	Au [3]	2,206	Fe	1,003	2,088	2,087	.....	1	.....	6,065,921
53	Pens, fountain and stylographic	8	85	6	4	4	3	68	Oc [3]	71	Ja [3]	67	71	65	5	1	.....	47,824
54	Perfumery and cosmetics	60	617	42	43	28	131	373	Oc	390	Ja	353	368	94	258	7	9	555,664
55	Petroleum, refining	9	1,208	.....	30	98	8	1,072	Mh	1,188	Se	984	993	993	.....	.....	.....	9,168,159

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
$182,672	$153,174	$1,348,268	.....	.....	$208,889	$13,656,576	$8,137,571	$25,861,528	$4,067,381	94,160	84,160	10,000	.....	.....	24,929	1
1,376,675	1,765,135	12,968,451	$5,702	$4,880	272,682	36,054,157	3,883,907	64,995,121	25,057,057	178,709	147,196	24,085	.....	7,428	90,170	2
39,452	36,743	298,888	24,134	8,640	5,282	736,583	32,176	1,283,371	514,612	1,019	800	12	60	147	504	3
55,701	57,081	336,889	5,269	15,674	4,644	352,993	10,911	887,828	523,924	376	6	.....	.....	370	66	4
83,797	46,552	610,012	243	22,678	15,932	970,351	160,181	2,061,247	930,715	2,883	1,026	.....	.....	1,857	103	5
23,700	37,957	161,382	150	3,010	5,527	551,435	15,813	920,918	353,670	458	208	60	.....	190	93	6
10,620	1,040	39,625	.....	4,287	182	8,198	1,377	81,548	71,973	5	.....	.....	.....	5	.....	7
173,902	225,206	795,185	15,360	100,390	8,121	1,237,819	17,038	3,264,465	2,009,608	585	150	7	.....	428	75	8
17,793	3,102	114,316	.....	12,872	825	222,651	2,295	390,551	165,605	54	.....	.....	.....	54	.....	9
83,013	70,191	234,172	8,688	20,697	3,223	461,009	8,999	1,124,686	654,678	393	.....	146	.....	247	11	10
59,036	56,633	232,446	5,600	25,290	1,789	520,000	6,633	1,097,985	571,352	191	.....	15	.....	176	2	11
9,516	2,726	32,685	.....	3,990	522	46,890	560	119,988	72,538	37	.....	10	.....	27	.....	12
43,500	53,127	189,210	5,600	18,460	1,098	461,144	5,556	929,047	462,347	116	.....	5	.....	111	2	13
6,020	780	10,551	.....	2,840	169	11,966	517	48,950	36,467	38	.....	.....	.....	38	.....	14
5,400	3,664	27,242	1,975	7,010	526	69,130	860	127,176	57,186	21	.....	.....	.....	21	.....	15
87,802	59,881	233,115	.....	42,531	4,446	1,169,366	15,744	1,858,919	673,809	1,044	750	13	.....	281	35	16
188,979	144,451	1,537,540	.....	87,253	50,723	13,756,950	160,482	17,509,256	3,591,824	7,920	7,175	50	.....	695	728	17
44,293	30,104	264,762	14,385	59	17,727	175,721	99,994	746,779	471,064	2,077	890	26	.....	1,161	.....	18
182,646	148,934	657,622	22,147	1,050	39,809,841	8,300,224	305,984	51,596,022	42,989,814	7,634	7,574	60	.....	.....	875	19
1,325,028	938,766	5,371,527	146,581	86,569	7,512,773	9,598,839	807,563	39,435,995	29,029,593	34,847	33,617	183	.....	1,047	7,736	20
196,311	185,549	873,592	23,591	80,403	8,287	954,333	24,075	2,692,744	1,714,336	824	125	.....	.....	699	180	21
199,834	246,797	1,030,994	2,200	113,755	9,675	1,536,215	45,849	3,836,779	2,254,715	1,577	520	225	.....	832	.....	22
22,773	42,743	29,454	569	5,052	2,579	222,589	1,260	393,522	169,673	47	36	4	.....	7	22	23
127,541	105,631	1,413,760	19,893	9,403	29,115	2,126,659	25,795	4,611,485	2,459,031	8,416	8,038	118	.....	260	1,207	24
921,124	770,019	5,851,236	204,348	263,271	122,494	15,323,931	215,645	26,662,534	11,122,958	26,343	18,742	1,124	80	6,397	2,043	25
161,514	217,401	425,766	3,039	37,797	71,260	8,938,587	246,664	11,132,980	1,947,729	7,724	6,435	900	.....	389	4,391	26
284,183	142,424	1,656,344	133,744	76,861	33,235	2,452,457	123,247	6,175,739	3,600,035	6,381	1,652	652	.....	4,077	373	27
122,832	153,335	546,088	1,705	75,734	13,408	2,090,235	36,139	3,669,634	1,543,260	1,435	310	104	.....	1,021	.....	28
285,408	425,851	1,803,949	9,300	209,042	15,879	4,970,487	48,749	9,221,978	4,202,742	1,130	659	13	.....	458	481	29
46,180	54,833	211,908	8,264	23,036	2,389	375,524	6,972	875,476	492,980	76	.....	9	.....	67	.....	30
180,338	336,274	1,428,392	.....	162,937	11,458	3,994,761	37,450	7,301,986	3,269,775	984	659	4	.....	321	481	31
17,440	7,683	60,668	1,036	7,600	335	134,390	1,288	308,980	173,302	20	.....	.....	.....	20	.....	32
41,450	27,061	102,981	.....	15,469	1,697	465,812	3,039	735,536	266,685	50	.....	.....	.....	50	.....	33
126,782	80,692	614,475	705	74,840	17,282	1,086,446	41,138	2,784,279	1,656,695	1,484	677	205	5	597	34	34
28,555	36,152	88,540	.....	3,045	4,815	229,649	24,058	600,783	347,076	1,558	830	60	100	568	5	35
41,664	27,245	215,730	5,057	17,767	5,378	649,303	11,179	1,074,978	414,496	469	300	5	.....	164	62	36
39,400	17,841	336,114	7,980	43,788	2,325	179,890	13,349	882,326	689,087	634	.....	45	3	586	.....	37
85,235	101,334	750,977	243	60,852	9,425	2,225,313	35,019	4,064,739	1,804,407	1,041	100	2	.....	939	.....	38
8,417	9,418	19,261	6,096	3,606	534	108,330	3,079	192,715	81,306	113	.....	35	.....	78	.....	39
54,413	27,828	236,901	6,320	15,426	11,427	238,021	11,970	719,344	469,353	352	30	105	.....	217	.....	40
17,784	20,832	89,044	.....	2,180	9,555	72,697	3,343	220,177	144,137	131	.....	105	.....	26	.....	41
21,449	1,156	87,056	1,120	5,786	1,460	70,696	4,864	244,740	169,180	166	.....	.....	.....	166	.....	42
15,180	5,840	60,801	5,200	7,460	412	94,628	3,763	254,427	156,036	55	30	.....	.....	25	.....	43
23,503	5,534	141,353	866	1,302	1,822	162,411	5,379	424,290	256,500	321	130	.....	.....	191	.....	44
588,158	716,892	4,417,393	75	105,007	129,500	6,906,683	151,469	16,785,649	9,727,497	6,559	5,337	50	.....	1,172	2,023	45
123,442	48,698	678,373	35	20,632	12,905	1,063,611	31,918	2,495,662	1,400,133	1,717	1,250	19	.....	448	771	46
24,483	26,390	14,416	4,057	7,240	1,029	317,508	1,814	566,272	246,950	60	50	.....	.....	10	.....	47
534,655	1,041,598	986,440	54,459	62,432	103,309	12,285,187	161,708	19,042,769	6,595,874	8,304	7,170	108	.....	1,026	4,666	48
170,453	207,270	1,118,113	3,507	38,182	35,569	3,789,520	475,490	6,951,794	2,686,784	24,613	18,230	404	4,864	1,115	3,587	49
95,982	119,027	169,159	2,518	40,448	2,867	983,168	11,375	1,590,702	596,159	418	10	23	.....	385	.....	50
601,448	1,191,950	662,132	19,088	148,448	49,510	3,634,859	34,558	11,470,734	7,801,317	1,694	832	137	10	715	591	51
160,667	82,673	1,053,103	181,870	28,717	21,926	871,023	214,038	2,962,680	1,877,619	7,941	1,900	40	.....	6,001	941	52
5,400	4,820	41,394	250	5,395	273	91,341	896	171,198	78,961	29	.....	.....	.....	29	.....	53
83,790	123,322	169,865	4,489	43,708	6,361	685,929	4,725	1,560,279	869,625	93	.....	.....	.....	93	.....	54
95,567	111,476	899,208	46,569	14,590	68,337	11,914,032	494,146	16,892,727	4,484,549	2,607	2,072	184	.....	351	326	55

[1] Same number reported for one or more other months.

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

	Industry and city.	Number of establishments.	Persons engaged in the industry.									Wage earners Dec. 15, or nearest representative day.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.		Male.	Female.	Male.	Female.	
1	Photographic apparatus	13	343	11	12	44	42	234				230	179	49		2	$972,119
2	Cameras and motion-picture machines.	6	311	4	8	44	38	217	Ja	239	Oc[2] 198	209	171	36		2	952,966
3	All other apparatus and parts	7	32	7	4		4	17	Au[2]	19	Ja[2] 15	21	8	13			19,153
4	Photographic materials	5	337	2	16	32	22	265	Au	314	De 200	200	102	97	1		866,918
5	Photo-engraving	31	1,634	13	77	199	90	1,255	Ja	1,352	Se 1,201	1,250	1,017	230	1	2	2,135,774
6	Pickles, preserves, and sauces	63	1,486	46	70	133	45	1,192				1,724	882	792	10	40	3,654,134
7	Preserves	7	228	3	7	10	2	206	Je	292	Ja 146	166	71	95			473,507
8	Pickles and sauces	56	1,258	43	63	123	43	986	Se	1,605	Je 785	1,558	811	697	10	40	3,180,627
9	Pipes, tobacco	4	118	1	10	20	4	83	Ja	89	Oc 74	87	68	18	1		242,078
10	Plumbers' supplies, not elsewhere specified.	23	3,931	11	79	330	89	3,422	Ap	3,577	De 3,122	3,122	2,967	152	3		9,256,996
11	Pocketbooks	3	27	4				23	Oc[2]	31	Ap[2] 15	31	31				6,300
12	Pottery, china, earthen and stone ware.	16	1,606	13	55	74	5	1,459	Oc	1,771	Ja 1,141	1,581	1,554	21	6		3,938,500
13	Poultry, killing and dressing	28	166	33	10	9	5	109	De	231	Mh 64	140	139	1			187,200
14	Printing and publishing, book and job.	1,173	24,434	1,037	1,094	1,918	1,493	18,892				18,785	13,928	4,296	393	168	36,353,178
15	Job printing	1,008	20,520	930	866	1,171	628	16,925	Mh	17,610	My 16,729	16,899	12,631	3,763	373	132	24,584,282
16	Book publishing and printing	18	1,733	7	63	118	42	1,503	Au	1,612	De 1,390	1,446	942	455	13	36	4,542,317
17	Book publishing without printing.	132	1,713	94	146	616	812	45	Ja[2]	50	No 33	41	24	17			6,541,724
18	Linotype work, typesetting	15	468	6	19	13	11	419	Mh	439	De[2] 402	399	331	61	7		684,855
19	Printing and publishing, music	35	383	31	29	88	139	96				94	64	30			805,381
20	Printing and publishing	6	196	5	9	32	74	76	Ja[2]	80	Au 71	74	56	18			377,720
21	Publishing without printing	29	187	26	20	56	65	20	(1)	20	(1) 20	20	8	12			427,661
22	Printing and publishing, newspapers and periodicals.	1,330	18,038	1,143	1,111	4,375	2,388	9,021				9,101	7,410	1,477	187	27	32,568,038
23	Printing and publishing	88	7,484	43	278	2,494	719	3,950	Mh	4,032	Au 3,828	4,005	3,421	461	111	12	17,912,760
24	Printing, publishing, and job printing.	833	7,112	869	358	571	531	4,783	Mh	4,839	Au 4,695	4,818	3,714	1,013	76	15	10,015,509
25	Publishing without printing	409	3,442	231	475	1,310	1,138	288	Ap	312	Ja 265	278	275	3			4,639,789
26	Printing materials	11	128	7	11	24	9	77	Oc	83	Je[2] 72	77	76	1			487,196
27	Pumps, not including power pumps.	8	285	6	18	16	5	240	Ja	264	De 202	207	201		6		615,275
28	Pumps, steam and other power	9	107	2	22	8	7	68				68	68				352,282
29	Steam	4	37		10	2	2	23	Oc[2]	26	Je 20	24	24				109,600
30	Other power	5	70	2	12	6	5	45	Ja	67	Je 37	44	44				242,682
31	Refrigerators	9	504	6	17	55	10	416	De	446	Au[2] 382	412	412				1,222,921
32	Regalia and society badges and emblems.	14	251	7	14	23	13	194	My	223	Ja 172	178	54	115	6	3	386,982
33	Roofing materials	23	1,146	3	69	157	55	862				826	815	8	3		5,766,142
34	Metal shingles and ceilings	6	127	2	9	16	6	94	My[2]	121	Ja 64	88	82	6			540,178
35	All other	17	1,019	1	60	141	49	768	My[2]	843	Ja 653	738	733	2	3		5,225,964
36	Rubber goods	17	683	4	26	68	22	563	My	601	Au 519	550	474	73	2	1	1,675,391
37	Saddlery and harness	216	1,178	229	35	71	24	819	Mh	866	Au 747	850	798	48	3	1	2,840,537
38	Sausage	28	384	26	15	24	7	312	Au	356	Mh 283	297	277	20			772,942
39	Saws	9	491	6	8	33	12	432	Mh	457	De 411	410	408	1	1		1,247,732
40	Scales and balances	12	613	10	22	32	18	531	Je	687	Oc 349	496	485	10	1		1,507,103
41	Screws, machine	9	628	2	17	27	15	567	Mh	596	No 518	548	526	13	9		1,420,991
42	Sewing machines and attachments	7	2,118	2	40	303	56	1,717	Mh	1,821	No 1,625	1,641	1,576	61	4		5,377,354
43	Shipbuilding, wooden, including boat building.	21	187	22	16	6	6	137				137	137				394,351
44	New vessels and repair work	7	68	9	5	3	1	50	Ap	80	De 23	55	55				225,509
45	Small boats	14	119	13	11	3	5	87	Je	117	Ja 59	82	82				168,842
46	Shirts	26	1,056	14	31	27	17	967	Mh	1,208	Au 825	1,067	354	690	2	21	614,633
47	Show cases	12	356	12	13	12	8	311	Fe	340	De 280	293	293				590,693
48	Signs and advertising novelties	150	3,036	132	137	414	177	2,176				2,243	1,706	487	25	25	8,207,060
49	Electric signs	13	392	10	37	114	41	190	Ap	209	Ja 177	201	181	20			2,037,731
50	Other signs	94	1,404	93	43	142	52	1,074	Je	1,179	No 971	1,104	990	103	11		4,205,443
51	Advertising novelties	43	1,240	29	57	158	84	912	No	980	Jy 858	938	535	364	14	25	1,963,886
52	Slaughtering and meat packing	70	39,298	33	342	6,620	988	31,315	De	35,366	My 28,264	34,658	31,102	3,500	18	38	210,561,104
53	Smelting and refining, zinc	8	3,762	1	40	145	3	3,573	De	3,783	Jy 3,468	3,499	3,474	2	23		15,014,348
54	Smelting and refining, not from the ore.	17	357	16	24	25	10	282	Mh	312	De 257	266	265		1		1,957,993
55	Soap	27	3,107	11	76	682	194	2,144	Mh	2,227	De 2,072	2,093	1,481	531	21	60	12,308,263
56	Soda-water apparatus	11	1,446	4	39	148	79	1,176	Ap	1,310	Jy 1,080	1,105	990	13	102		4,811,475
57	Sporting and athletic goods	21	860	14	28	26	23	769	My	858	Au 709	768	437	321	2	8	1,011,493
58	Springs, steel, car, and carriage, not made in steel works or rolling mills.	7	575		20	53	14	488				464	460		4		1,289,866
59	Automobile, carriage, wagon, and railway.	4	257		10	24	8	215	Ja	233	Oc 186	201	201				933,122
60	Machinery and other	3	318		10	29	6	273	My	296	Ja 227	263	259		4		356,744
61	Stamped and enameled ware, not elsewhere specified.	22	1,732	9	38	80	33	1,572	Ap	1,865	Jy 1,193	1,487	1,194	274	19		4,323,264
62	Stationery goods, not elsewhere specified.	23	646	15	29	100	35	467	Fe[2]	485	No[2] 444	447	303	140	4		1,808,363
63	Statuary and art goods	13	514	7	16	32	9	450	No	471	Ja 422	468	466	2			783,197

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$29,516	$68,424	$188,046	$9,835	$9,569	$4,002	$177,460	$6,703	$511,440	$327,277	314	.....	.....	.....	314	.....	1
23,406	66,495	172,287	8,000	5,570	3,926	168,476	6,582	470,850	295,792	254	.....	.....	.....	254	.....	2
6,110	1,929	15,759	1,835	3,999	76	8,984	121	40,590	31,485	60	.....	.....	.....	60	.....	3
42,100	40,385	138,467	.....	3,690	5,862	453,743	8,512	803,966	341,711	358	300	1	.....	57	334	4
226,264	235,334	1,183,761	51,522	94,120	15,292	551,988	39,279	3,356,688	2,765,421	1,071	355	185	.....	531	398	5
149,905	189,808	538,224	40,050	62,325	26,416	3,569,563	40,040	5,525,057	1,915,454	3,017	972	78	.....	1,967	456	6
16,649	9,848	99,971	.....	26,970	5,039	714,136	10,708	968,062	243,218	249	168	.....	.....	81	160	7
133,256	179,960	438,253	40,050	35,355	21,377	2,855,427	29,332	4,556,995	1,672,236	2,768	804	78	.....	1,886	296	8
24,224	17,830	44,957	.....	9,612	271	41,518	1,500	154,623	111,605	61	.....	2	.....	59	.....	9
216,117	442,285	2,157,035	361	57,374	47,807	2,496,519	188,631	6,260,419	3,575,269	4,534	1,961	84	100	2,389	1,137	10
.....	.....	12,752	48	300	8	34,885	66	52,114	17,163	.....	.....	.....	.....	.....	.....	11
145,041	73,855	915,105	.....	60	23,593	199,240	158,599	1,787,541	1,429,702	1,376	1,230	21	.....	125	673	12
7,164	5,387	66,690	895	5,746	869	1,043,013	1,114	1,243,910	199,783	51	.....	30	.....	21	.....	13
2,764,751	3,001,934	14,013,192	3,746,938	1,619,702	162,165	18,857,206	498,148	54,625,954	35,270,600	17,031	4,080	265	.....	12,686	3,338	14
2,136,482	1,546,829	12,569,942	1,691,391	1,410,748	126,288	17,453,882	448,763	41,311,634	26,408,989	14,288	1,955	265	.....	12,068	2,134	15
135,445	204,285	934,961	10,630	128,097	12,743	869,385	37,078	2,786,955	1,880,492	2,593	2,125	.....	.....	468	1,204	16
448,506	1,230,367	41,681	2,040,367	62,211	21,167	457,234	3,130	6,760,076	6,299,712	71	.....	.....	.....	71	.....	17
44,318	20,453	466,608	4,550	18,646	1,967	76,705	9,177	767,289	681,407	79	.....	.....	.....	79	.....	18
93,148	159,572	62,626	273,312	32,914	3,308	124,327	3,751	1,042,794	914,716	118	.....	.....	.....	118	.....	19
39,600	69,710	51,370	40,909	11,780	668	66,707	2,922	339,105	269,476	63	.....	.....	.....	63	.....	20
53,548	89,862	11,256	232,403	21,134	2,640	57,620	829	703,689	645,240	55	.....	.....	.....	55	.....	21
2,810,107	6,066,890	6,711,009	4,741,706	709,347	192,217	9,988,297	352,618	47,026,681	36,685,766	12,997	1,589	875	19	10,514	523	22
1,026,403	3,032,807	3,299,019	87,385	230,755	105,036	5,693,282	183,403	20,524,821	14,648,136	7,291	1,090	81	.....	6,120	422	23
645,961	831,662	3,230,463	98,299	255,321	56,688	2,941,979	167,828	12,042,212	8,932,405	5,663	499	794	19	4,351	101	24
1,137,743	2,202,421	181,527	4,556,022	223,271	30,493	1,353,036	1,387	14,459,648	13,105,225	43	.....	.....	.....	43	.....	25
37,857	41,002	64,027	2,317	12,270	3,279	131,286	6,059	453,217	315,872	163	.....	40	.....	123	2	26
																27
29,990	18,018	186,391	.....	1,220	5,065	280,723	9,536	602,164	311,905	349	35	.....	115	199	75	
31,488	8,776	59,849	3,465	6,584	1,664	121,293	2,922	275,373	151,158	107	50	5	.....	52	.....	28
11,466	2,628	20,858	.....	1,770	903	40,033	1,622	113,812	72,157	77	50	.....	.....	27	.....	29
20,022	6,148	38,991	3,465	4,814	761	81,260	1,300	161,561	79,001	30	.....	5	.....	25	.....	30
38,931	38,519	290,763	3,778	8,343	5,242	586,593	9,225	1,109,998	514,180	648	500	.....	.....	148	346	31
22,195	21,656	88,159	243	7,950	2,701	262,502	2,186	521,786	257,098	62	.....	.....	.....	62	.....	32
219,132	279,437	579,326	14,251	5,591	30,542	4,192,815	126,105	6,643,854	2,324,934	1,766	698	.....	36	1,032	154	33
31,063	17,553	43,561	49	1,920	1,357	331,571	8,749	416,872	76,552	234	138	.....	36	60	.....	34
188,069	261,884	535,765	14,202	3,671	29,185	3,861,244	117,356	6,226,982	2,248,382	1,532	560	.....	.....	972	154	35
71,302	81,246	341,625	375	14,118	9,142	912,246	52,794	1,980,133	1,015,093	1,951	1,180	20	.....	751	203	36
58,838	78,831	546,518	3,765	63,226	18,874	2,061,195	17,240	3,433,482	1,355,047	501	225	15	.....	261	131	37
38,895	35,856	246,594	.....	11,987	4,766	3,082,138	37,375	3,868,144	748,631	921	353	13	.....	555	.....	38
27,186	60,186	294,286	.....	7,662	6,617	580,671	51,735	1,225,072	592,666	1,795	190	.....	.....	1,605	100	39
78,944	36,005	397,947	32,301	16,718	8,321	517,184	20,170	1,375,843	838,489	702	230	.....	.....	472	5	40
39,515	41,665	373,043	.....	10,310	9,830	413,779	25,072	1,028,463	589,612	1,045	450	25	.....	570	.....	41
122,211	413,458	850,460	369	2,986	20,681	1,006,370	48,831	3,547,849	2,492,648	2,615	2,300	142	.....	173	1,579	42
22,470	6,817	99,909	524	4,941	1,137	105,307	2,852	283,341	175,182	251	.....	123	.....	128	13	43
9,120	3,200	43,636	.....	860	429	33,860	775	116,175	81,540	80	.....	8	.....	72	.....	44
13,350	3,617	56,273	524	4,081	708	71,447	2,077	167,166	93,642	171	.....	115	.....	56	13	45
79,494	35,856	440,209	2,122	35,899	2,565	797,653	9,589	1,632,322	825,080	314	95	.....	2	217	53	46
26,126	23,167	220,109	.....	16,908	2,958	247,095	8,205	694,053	438,753	430	268	.....	.....	162	37	47
360,181	563,191	1,404,249	359,691	96,705	27,985	1,786,684	36,976	6,045,092	4,221,432	1,888	543	83	.....	1,262	372	48
54,420	40,807	114,864	5,325	17,078	6,407	247,207	2,344	528,750	279,199	48	.....	.....	.....	48	.....	49
160,900	287,721	810,869	328,162	49,392	15,038	785,548	20,543	3,294,857	2,488,766	669	210	34	.....	425	213	50
144,861	234,663	478,516	26,204	30,235	6,540	753,929	14,089	2,221,485	1,453,467	1,171	333	49	.....	789	159	51
1,622,632	8,551,108	19,285,765	21,697	165,065	844,076	407,042,018	1,853,052	485,362,180	76,467,110	66,598	60,778	216	.....	5,604	25,807	52
190,087	241,216	2,571,407	.....	21,250	60,755	12,976,157	1,224,235	18,421,039	4,220,647	16,253	16,213	40	.....	.....	6,798	53
87,390	64,860	190,174	52	9,378	7,787	3,446,929	68,663	4,587,299	1,071,707	1,337	1,055	18	.....	264	3	54
267,391	792,125	1,254,752	21,882	83,495	77,848	14,936,204	316,689	21,420,035	6,167,142	6,108	3,568	1,501	.....	1,039	316	55
131,900	226,284	897,583	.....	14,520	26,610	1,756,956	31,929	4,237,536	2,448,651	1,805	375	115	.....	1,315	415	56
49,473	54,074	397,188	6,761	27,015	7,809	1,198,731	27,253	2,237,529	1,011,545	373	30	17	.....	326	.....	57
106,546	69,559	322,522	.....	22,765	8,619	615,409	43,020	1,399,764	741,335	1,293	830	.....	.....	463	422	58
68,512	39,407	138,872	.....	2,700	6,088	351,457	31,069	790,570	408,044	986	830	.....	.....	156	422	59
38,034	30,152	183,650	.....	20,065	2,531	263,952	11,951	609,194	333,291	307	.....	.....	.....	307	.....	60
132,897	120,260	899,689	5,409	42,328	18,587	1,247,881	82,474	3,578,943	2,248,588	1,875	1,190	25	.....	660	281	61
90,394	186,813	290,397	14,250	24,786	13,212	861,116	14,222	2,041,713	1,166,375	440	100	28	.....	312	65	62
48,371	45,249	326,070	8,546	15,752	4,695	144,407	7,710	818,918	666,801	205	120	.....	.....	85	.....	63

[1] Same number reported for one or more other months.

[2] Same number reported throughout the year.

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.		Wage earners. Number, 15th day of— Minimum month.		Wage earners dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
1	Steam fittings and steam and hot-water heating apparatus.	34	3,052	7	108	294	64	2,579	.....		.....		2,416	2,321	91	4	.....	$7,857,418
2	Radiators and cast-iron heating boilers.	8	640	1	20	69	21	529	Fe	592	De	465	475	473	.....	2	.....	1,859,584
3	All other	26	2,412	6	88	225	43	2,050	Mh	2,219	Ja	1,927	1,941	1,848	91	2	.....	5,997,834
4	Steam packing	15	212	6	24	10	8	164	De	204	Jy	126	202	193	3	6	.....	264,359
5	Stencils and brands	7	25	7	1	.....	1	16	(3)	16	(3)	16	16	12	4	.....	.....	19,930
6	Stereotyping and electrotyping	25	935	8	51	146	25	705	Ja	716	Oc	696	684	682	1	1	.....	812,634
7	Stoves and hot-air furnaces, except gas and oil stoves.	62	3,930	32	153	313	109	3,323	.....		.....		3,053	3,023	2	28	.....	9,474,717
8	Stoves and ranges	45	3,649	20	133	292	98	3,106	Ap	3,646	De	2,452	2,837	2,808	1	28	.....	8,825,539
9	Hot-air furnaces and fireless cookers.	17	281	12	20	21	11	217	Se	241	Fe	196	216	215	1	.....	.....	649,178
10	Stoves, gas and oil	8	703	.....	30	64	15	594	Jy	718	Ja	480	641	623	10	8	.....	1,687,986
11	Structural ironwork, not made in steel works or rolling mills.	115	5,909	78	243	560	95	4,933	Je	5,198	De	4,116	4,112	4,101	7	4	.....	11,870,862
12	Surgical appliances	26	1,000	15	45	182	104	654	Oc	756	Au	587	687	366	313	5	3	1,692,821
13	Suspenders, garters, and elastic woven goods.	14	885	16	23	98	51	697	Jy	765	De	627	628	34	553	1	40	807,946
14	Tinware, not elsewhere specified	32	3,808	11	71	228	115	3,383	Je	3,716	No	3,021	3,133	2,212	900	13	8	22,232,974
15	Tobacco, chewing and smoking, and snuff.	44	1,721	43	24	394	64	1,196	Se	1,301	De	1,126	1,131	362	760	5	4	5,885.510
16	Tobacco, cigars and cigarettes	1,578	8,618	1,730	141	234	56	6,457	De	6,628	Ap	6,324	6,739	5,005	1,556	129	49	6,136,000
17	Tools, not elsewhere specified	68	1,388	58	89	72	54	1,115	My	1,209	Oc	952	1,091	1,068	19	4	.....	2,384,459
18	Toys and games	14	183	8	14	9	13	139	No	231	Ja	83	177	101	75	1	.....	214,916
19	Trunks and valises	47	1,224	43	37	84	25	1,035	Mh	1,084	De	964	1,036	905	121	7	3	1,530,878
20	Type founding	7	318	2	14	22	14	266	Ap	301	Jy	232	253	206	47	.....	.....	1,695,379
21	Upholstering materials, not elsewhere specified.	8	481	3	10	29	5	434	Mh	475	De	401	401	308	91	.....	2	1,275,327
22	Varnishes	32	902	5	75	290	92	440	Ap	472	De	410	413	371	40	2	.....	5,136,827
23	Vault lights and ventilators	5	183	1	17	12	10	143	Je	171	Mh	112	137	137	.....	.....	.....	300,984
24	Vinegar and cider	12	210	7	12	24	7	160	.....		.....		187	176	11	.....	.....	1,021,460
25	Vinegar	7	198	3	11	23	6	155	Oc	172	Ja	145	168	157	11	.....	.....	1,007,610
26	Cider	5	12	4	1	1	1	5	Oc	19	Ja	0	19	19	.....	.....	.....	13,850
27	Wall paper, not made in paper mills.	5	677	2	19	87	25	544	Fe	640	Je	392	551	450	101	.....	.....	2,021,336
28	Wall plaster	5	74	2	7	15	2	48	Je	51	De	44	49	49	.....	.....	.....	460,558
29	Washing machines and clothes wringers.	18	356	14	31	37	27	247	Jy	293	Ja	203	236	236	.....	.....	.....	693,725
30	Windmills, not elsewhere specified	11	1,388	4	48	119	35	1,182	Mh	1,299	No	994	1,149	1,142	3	4	.....	3,754,664
31	Window and door screens and weather strips.	24	197	26	20	7	8	136	.....		.....		138	131	3	4	.....	288,477
32	Window and door screens	19	155	24	9	4	5	113	Je	171	Ja	64	112	106	2	4	.....	120,337
33	Weather strips	5	42	2	11	3	3	23	De	30	Mh	18	26	25	1	.....	.....	168,140
34	Window shades and fixtures	47	1,143	37	33	113	42	918	Au	946	De	887	891	686	199	6	.....	2,915,766
35	Wire	9	3,241	.....	105	290	83	2,763	My	2,996	De	2,113	2,123	2,105	18	.....	.....	11,205,146
36	Wirework, including wire rope and cable, not elsewhere specified.	51	1,154	30	66	110	62	886	.....		.....		877	809	63	5	.....	4,028,399
37	Woven-wire fencing	13	641	3	32	83	37	486	Ja	604	Jy	346	447	432	15	.....	.....	3,022,735
38	All other	38	513	27	34	27	25	400	De	420	Se	381	430	377	48	5	.....	1,005,664
39	Wood preserving	5	495	.....	34	52	5	404	Je	509	Fe	268	410	409	.....	1	.....	2,161,350
40	Wood, turned and carved	31	564	26	33	23	7	475	No	488	Jy	459	489	481	5	2	1	764,377
41	Wooden goods, not elsewhere specified.	10	146	12	9	8	2	115	Ap	153	De	96	96	96	.....	.....	.....	306,715
42	Wool pulling	8	48	10	.....	.....	.....	38	Se	57	Jy	10	48	48	.....	.....	.....	63,384
43	Woolen goods	4	364	.....	18	10	13	323	Mh	348	Au	243	334	238	88	4	4	831,467
44	All other industries *	182	22,739	78	552	2,154	719	19,236	.....		.....		.....	.....	.....	.....	.....	114,424,343

[1] Owned power only.

[2] Includes rented power, other than electric.

* All other industries embrace—

Aeroplanes and parts	2	Clocks	5	Enameling	2	Hardware, saddlery	5
Aluminum ware	4	Clothing, horse	3	Felt goods	2	Hones and whetstones	1
Ammunition	1	Combs and hairpins, not made from metal or rubber	3	Files	3	Ink, writing	6
Bags, paper, not including bags made in paper mills	2	Cordage and twine	3	Fire extinguishers, chemical	2	Iron and steel, cast-iron pipe	1
Bells	1	Cork, cutting	3	Fireworks	3	Iron and steel, wrought pipe	3
Belting and hose, woven	2	Cotton goods	4	Fuel, manufactured	1	Ivory, shell, and bone work	3
Butter, reworking	2	Cotton small wares	2	Glucose and starch	5	Lace, cotton	1
Cars, electric-railroad, not including operations of railroad companies	1	Drug grinding	3	Gold and silver, reducing and refining, not from the ore	4	Lasts	1
		Dyestuffs and extracts	2	Hammocks	2	Lead, bar, pipe, and sheet	1
						Liquors, vinous	2

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
$322,160	$362,246	$1,540,214	$13,283	$48,585	$35,999	$2,217,978	$138,304	$5,470,380	$3,114,098	4,492	3,720	41	.....	731	3,603	1
81,696	99,183	346,078	3,006	5,539	9,817	640,908	47,590	1,402,515	714,017	788	485	.....	.....	303	298	2
240,464	263,063	1,194,136	10,277	43,046	26,182	1,577,070	90,714	4,067,865	2,400,081	3,704	3,235	41	.....	428	3,305	3
53,553	14,828	130,525	3,200	10,712	1,271	303,828	5,377	616,882	307,677	125	35	10	.....	80	.....	4
750	468	10,590	.....	2,562	138	12,351	302	37,170	24,517	8	.....	1	.....	7	.....	5
139,034	104,366	627,753	3,576	75,685	2,377	364,412	43,304	1,593,829	1,186,113	1,339	.....	.....	.....	1,339	.....	6
358,965	459,024	2,464,079	58,125	29,948	54,542	3,219,675	111,965	8,404,439	5,072,799	4,578	2,411	152	.....	2,015	1,143	7
307,700	421,383	2,292,454	17,427	22,494	51,226	2,797,366	104,488	7,434,806	4,532,952	4,248	2,411	140	.....	1,697	1,143	8
51,265	37,641	171,625	40,698	7,454	3,316	422,309	7,477	969,633	539,847	330	.....	12	.....	318	.....	9
74,196	63,842	395,418	24,898	5,693	12,697	843,524	15,774	1,798,559	939,261	602	350	55	.....	197	136	10
578,262	727,753	3,650,883	600,052	63,637	89,605	8,351,033	194,150	16,023,040	7,477,857	13,148	5,566	170	.....	7,412	5,308	11
116,153	321,797	383,857	10,529	28,615	7,446	1,619,000	27,102	3,135,199	1,489,097	558	385	30	.....	143	352	12
52,089	127,337	237,396	137,286	20,952	4,452	1,213,048	6,966	2,076,556	856,542	135	.....	.....	.....	135	2	13
259,182	351,153	1,980,059	175	47,331	57,338	8,352,536	135,579	12,937,296	4,449,181	3,069	1,493	434	.....	1,142	994	14
117,680	532,649	584,726	160	10,569	2,204,731	4,947,569	24,233	12,716,651	7,744,849	1,000	965	2	.....	33	656	15
250,597	301,214	3,924,031	2,736	237,829	1,025,556	5,045,396	36,644	13,320,078	8,238,038	143	75	2	.....	66	.....	16
183,680	110,997	798,637	28,238	74,221	11,037	866,612	77,270	2,615,655	1,671,773	3,367	1,355	893	14	1,105	502	17
24,400	13,633	79,017	3,824	11,886	505	134,021	1,696	371,108	235,391	52	.....	4	.....	48	.....	18
84,081	104,456	693,741	.....	72,843	10,545	1,227,510	11,782	2,637,761	1,398,469	522	281	.....	.....	241	365	19
40,592	30,963	195,215	1,817	34,531	5,537	326,575	8,508	792,772	457,689	796	.....	375	.....	421	.....	20
30,913	45,955	239,529	.....	14,191	7,607	1,211,974	32,873	1,770,525	525,678	1,452	710	100	.....	642	228	21
245,863	481,508	314,467	7,427	37,155	36,462	2,988,469	41,134	5,445,680	2,416,077	1,604	593	7	89	915	15	22
45,554	28,961	149,206	.....	6,800	1,935	275,387	2,611	573,167	295,169	91	.....	41	.....	50	.....	23
39,399	32,295	112,853	.....	989	8,551	474,447	17,909	791,054	298,698	705	630	25	.....	50	.....	24
38,799	31,495	199,745	.....	914	8,445	468,403	17,239	773,540	287,898	605	575	5	.....	25	.....	25
600	800	3,108	.....	75	106	6,044	670	17,514	10,800	100	55	20	.....	25	.....	26
85,400	103,215	335,088	960	27,210	10,451	1,251,592	29,531	2,254,048	972,925	1,062	687	2	.....	373	105	27
18,479	19,365	35,753	13,820	1,650	2,893	142,205	4,360	281,310	134,745	279	240	.....	.....	39	1	28
65,875	56,356	150,277	5,520	19,731	1,685	616,067	6,875	1,137,217	514,275	296	.....	30	.....	266	.....	29
142,894	163,370	749,262	37,062	21,200	31,181	1,457,785	34,871	3,194,144	1,701,488	2,076	1,580	16	330	150	1,696	30
37,504	10,430	94,737	2,385	8,916	2,463	211,776	5,578	560,988	343,634	266	20	22	.....	224	.....	31
9,124	5,770	75,495	.....	5,470	1,236	93,753	4,664	238,535	140,118	209	20	22	.....	167	.....	32
28,380	4,660	19,242	2,385	3,446	1,227	118,023	914	322,453	203,516	57	.....	.....	.....	57	.....	33
73,470	182,488	543,629	415	35,965	15,486	3,580,253	51,568	4,950,677	1,318,856	2,102	1,636	.....	.....	466	2,580	34
264,343	424,228	2,057,511	.....	.....	50,205	9,530,061	342,017	15,219,277	5,347,199	17,006	16,155	.....	150	701	4,558	35
154,799	151,031	555,408	15,821	26,238	12,717	3,381,514	39,163	4,682,478	1,261,801	1,677	445	34	260	938	175	36
56,151	108,520	315,543	3,349	2,461	7,373	2,700,815	24,788	3,368,321	642,718	795	.....	22	50	723	.....	37
98,648	42,511	239,865	12,472	23,777	5,344	680,699	14,375	1,314,157	619,083	882	445	12	210	215	175	38
72,642	54,371	290,194	.....	2,114	11,538	1,504,454	39,680	2,317,393	773,259	925	725	200	.....	.....	1,063	39
61,626	30,379	295,221	692	22,163	3,421	592,732	16,344	1,181,977	572,901	1,015	665	110	.....	240	147	40
8,790	11,651	54,357	3,000	1,510	2,034	117,206	3,221	261,407	140,980	272	245	5	.....	22	80	41
.....	.....	28,869	16,621	3,862	191	448,675	726	498,482	49,081	35	25	.....	.....	10	.....	42
30,832	10,094	156,038	2,940	.....	4,241	418,898	17,069	717,466	281,499	940	600	.....	280	60	96	43
1,996,256	2,908,530	11,788,944	108,905	267,492	795,658	77,070,923	1,436,637	109,768,407	31,260,847	56,302	49,490	598	30	6,184	24,098	44

[1] Same number reported throughout the year.

[2] None reported for one or more other months.

Matches	2
Needles, pins, and hooks and eyes	1
Nets and seines	3
Oil, cottonseed, and cake	2
Oil, linseed	4
Oilcloth and linoleum, floor	1
Oilcloth, enameled	1
Oleomargarine	4
Optical goods	10
Paper patterns	3
Peanuts, grading, roasting, cleaning, and shelling	1
Pencils, lead	1
Phonographs and graphophones	3
Plated ware	1
Pulp goods	1
Rules, ivory and wood	1
Safes and vaults	1
Salt	1
Sand and emery paper and cloth	1
Screws, wood	2
Sewing-machine cases	1
Shipbuilding, iron and steel	1
Silk goods, including throwsters	3
Silversmithing and silverware	1
Smelting and refining, lead	4
Sugar, beet	1
Sulphuric, nitric, and mixed acids	2
Tin plate and terneplate	1
Tin foil	1
Typewriters and supplies	11
Umbrellas and canes	4
Waste	1
Watch and clock materials	4
Watch cases	4
Watches	2
Whips	2
Wool scouring	3
Wool shoddy	1

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	CHICAGO—All industries	10,115	387,319	8,184	11,881	39,124	14,420	313,710	Mh 323,852	Au 305,464	313,183	246,504	62,307	1,644	2,668	$1,190,068,927
2	Artificial stone products	24	354	20	21	12	8	293	My 314	Oc 260	313	313	.....	.....	.....	372,091
3	Automobile bodies and parts	51	1,220	43	76	125	48	928	No 1,088	Ja 787	1,007	986	20	1	.....	1,688,565
4	Automobiles	14	654	6	35	85	27	501	My 561	De 428	447	445	2	.....	.....	1,556,686
5	Automobile repairing	54	340	49	13	13	6	259	Jy 276	Ja 237	254	251	2	1	.....	236,522
6	Awnings, tents, and sails	39	400	37	18	19	19	307	Je 393	Oc 261	320	165	151	3	1	485,730
7	Bags, other than paper	9	318	6	12	12	13	275	Se 281	No 260	268	119	149	.....	.....	464,731
8	Baking powders and yeast	13	913	7	47	255	52	552	Je 590	Ja 516	544	404	140	.....	.....	5,983,274
9	Baskets, and rattan and willow ware	8	58	11	1	.....	1	45	Mh [3] 51	Jy 40	44	38	5	1	.....	45,745
10	Billiard tables and materials	5	36	3	4	6	1	22	Mh [3] 23	My [3] 21	22	19	3	.....	.....	72,260
11	Blacking, stains, and dressings	17	217	15	8	32	15	147	Jy 169	Au 120	145	82	60	3	.....	327,948
12	Bluing	5	21	3	4	2	2	10	Au [3] 12	Ja [3] 8	11	9	2	.....	.....	15,684
13	Bookbinding and blank-book making.	86	2,698	69	80	80	88	2,381	Jy 2,669	N 2,168	2,375	1,272	1,044	28	31	2,645,752
14	Boots and shoes, including cut stock and findings.	41	4,331	36	77	196	86	3,936	Jy 4,132	Ap 3,667	4,055	2,637	1,334	38	46	5,238,735
15	Boxes, cigar	9	363	7	13	17	6	320	Fe 333	Ap [3] 313	314	121	154	9	30	335,723
16	Boxes, fancy and paper	67	4,284	31	147	229	121	3,756	Ja 4,031	My 3,626	3,703	1,381	1,877	41	404	5,140,704
17	Boxes, wooden packing	30	3,424	21	57	106	17	3,223	Mh 3,356	No 3,106	3,130	3,017	111	2	.....	4,727,405
18	Brass, bronze, and copper products	59	1,451	34	80	92	23	1,222	My 1,363	No 904	1,190	1,154	25	11	.....	2,929,072
19	Bread and bakery products	1,305	10,422	1,379	133	984	246	7,680	.....	.....	7,844	5,674	2,095	32	43	21,624,442
20	Bakery products, other than biscuits and crackers.	1,294	7,331	1,373	99	650	211	4,998	Oc [3] 5,090	Ja 4,828	5,166	4,300	827	30	9	9,541,876
21	Biscuits and crackers	11	3,091	6	34	334	35	2,682	Oc 2,885	Ja 2,342	2,678	1,374	1,268	2	34	12,082,566
22	Brick, terra-cotta, and fire-clay products.	6	468	1	21	49	2	395	Jy 540	Ap 204	552	548	4	.....	.....	1,408,476
23	Brooms	31	350	38	10	4	4	294	Oc 317	Je 276	312	218	94	.....	.....	198,139
24	Brushes	28	377	25	22	10	9	311	Mh 345	No 256	265	178	78	5	4	736,188
25	Butter	7	115	2	11	20	15	67	Jy 73	Mh 63	66	48	18	.....	.....	443,286
26	Buttons	14	365	15	10	14	6	320	Au 349	Jy 288	337	161	164	4	8	320,814
27	Canning and preserving, fish	3	12	3	.....	.....	.....	9	(4) 9	(4) 9	9	9	.....	.....	.....	6,542
28	Card cutting and designing	4	139	2	7	.....	7	123	De 263	Ja 43	262	30	195	1	36	133,057
29	Cardboard, not made in paper mills	3	94	.....	10	4	7	73	Je 80	Ja 65	72	41	30	1	.....	166,511
30	Carpets, rag	21	229	21	6	20	12	170	Ap 201	Oc [3] 155	170	129	35	6	.....	87,305
31	Carriage and wagon materials	9	55	11	2	1	.....	41	Jy [3] 45	Ja 34	44	41	3	.....	.....	45,261
32	Carriages and wagons	127	2,073	147	49	121	21	1,735	.....	.....	1,551	1,541	10	.....	.....	9,519,926
33	Carriages and wagons	113	2,023	127	49	121	21	1,705	Ap 1,867	De 1,443	1,524	1,514	10	.....	.....	9,429,143
34	Repair work only	14	50	20	.....	.....	.....	30	Jy [3] 34	Ja [3] 26	27	27	.....	.....	.....	90,783
35	Cars and general shop construction and repairs by steam-railroad companies.	23	12,525	.....	156	497	37	11,835	Se 12,494	Ja 11,150	11,704	11,685	15	4	.....	20,270,194
36	Cars, steam-railroad, not including operations of railroad companies.	12	16,413	.....	140	679	55	15,539	Oc 18,585	My 12,640	16,750	16,687	63	.....	.....	29,725,689
37	Chemicals	15	258	3	21	40	20	174	Mh [3] 183	Fe 151	171	156	14	1	.....	1,754,100
38	Cleansing and polishing preparations	42	190	39	18	26	18	89	.....	.....	96	79	16	1	.....	334,326
39	Cleansing preparations	13	45	14	2	7	2	20	De 26	Ja [3] 17	28	17	10	1	.....	37,025
40	Polishing preparations	29	145	25	16	19	16	69	Au [3] 73	De 65	68	62	6	.....	.....	297,301
41	Cloth, sponging and refinishing	7	138	6	5	.....	4	123	Jy 126	De [3] 120	120	113	1	6	.....	28,365
42	Clothing, men's	546	37,647	623	517	2,732	1,867	31,908	Je 32,957	No 30,900	32,138	15,438	16,160	149	391	36,999,269
43	Clothing, men's, buttonholes	6	12	6	.....	.....	.....	6	Jy [3] 7	Ja [3] 4	7	3	4	.....	.....	4,000
44	Clothing, women's	227	8,637	267	237	431	372	7,330	.....	.....	7,595	2,500	4,993	9	93	5,977,059
45	Regular factories	201	8,054	236	232	423	369	6,794	.....	.....	7,016	2,247	4,671	9	89	5,871,306
46	Suits, skirts, cloaks, shirt waists, and dresses, except house dresses.	147	6,088	176	167	356	308	5,081	Oc 6,060	Je 4,341	5,188	2,057	3,062	5	64	4,392,301
47	Undergarments and petticoats.	13	511	13	26	22	16	434	Mh 494	Au 371	413	41	365	2	5	470,725
48	Wrappers, house dresses, and all other.	41	1,455	47	39	45	45	1,279	No 1,405	Ja 1,107	1,415	149	1,244	2	20	1,008,280
49	Contract work	26	583	31	5	8	3	536	.....	.....	579	253	322	.....	4	105,753
50	Suits, skirts, and cloaks	16	329	17	3	.....	.....	309	Se 395	Ja 231	336	195	141	.....	.....	29,540
51	Shirt waists, dresses, wrappers, and all other.	10	254	14	2	8	3	227	Ap 252	Ja 197	243	58	181	.....	4	76,213
52	Coffins, burial cases, and undertakers' goods.	13	791	3	27	97	10	654	Fe 685	De 626	629	506	120	1	2	2,320,232
53	Confectionery	131	5,907	78	197	453	316	4,863	.....	.....	5,319	2,384	2,569	13	383	8,841,019
54	Confectionery and chewing gum	97	5,331	59	152	411	303	4,409	Oc 5,206	Jy 3,835	4,881	1,932	2,553	13	383	7,071,159
55	Ice cream	34	573	19	45	42	13	454	Au 636	Ja [3] 309	468	452	16	.....	.....	1,769,860
56	Cooperage, hogsheads and barrels	28	1,191	16	43	19	11	1,105	Oc 1,178	Je 1,060	1,102	1,096	5	1	.....	1,931,224
57	Copper, tin, and sheet-iron work	260	2,241	266	101	127	70	1,674	Au 1,778	Fe 1,545	1,718	1,690	17	11	.....	3,641,404
58	Cutlery and edge tools	10	527	9	9	16	13	480	Oc 555	Jy 256	501	427	63	10	1	844,053
59	Dairymen's, poultrymen's, and apiarists' supplies.	7	221	4	9	8	13	187	Mh 221	Jy 159	194	188	6	.....	.....	699,310
60	Druggists' preparations	28	485	11	32	117	99	226	Je 243	Au 209	224	139	84	1	.....	1,128,107
61	Electrical machinery, apparatus, and supplies.	125	7,140	42	288	958	344	5,508	Fe 5,829	De 5,183	5,219	4,207	999	33	10	15,323,517
62	Electroplating	36	385	46	20	5	5	309	Fe 321	De 293	290	276	10	4	.....	161,237

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$34,841,617	$55,452,893	$213,737,372	$17,419,449	$13,302,675	$15,580,132	$874,446,486	$27,486,908	$1,483,498,416	$581,565,022	681,114	485,276	47,137	307	148,394	228,059	1
35,446	14,346	282,145	2,000	7,723	2,330	306,235	6,918	840,795	527,642	242	10	24	.....	208	.....	2
185,978	197,310	676,775	1,913	101,143	14,232	797,225	38,329	2,459,227	1,623,673	1,166	105	20	.....	1,041	10	3
95,412	96,072	430,724	600	45,608	5,798	1,299,232	20,427	2,240,906	921,247	446	.....	.....	.....	446	.....	4
16,482	16,290	204,929	1,864	29,477	2,318	119,522	11,038	477,642	347,082	251	15	37	.....	199	.....	5
36,337	31,441	202,486	4,107	31,079	2,109	686,798	6,633	1,308,418	614,987	213	.....	5	.....	208	.....	6
41,310	24,603	140,645	503	20,444	4,323	2,319,557	6,497	2,876,238	550,184	292	125	.....	.....	167	149	7
[3]292,334	295,369	352,829	.....	147,815	39,562	3,035,671	95,763	7,904,730	4,773,296	2,951	2,724	15	.....	212	1,572	8
.....	312	22,979	50	2,216	412	21,695	495	73,901	51,711	21	.....	.....	.....	21	.....	9
8,400	4,854	17,033	.....	4,156	157	62,023	1,532	77,316	13,761	17	.....	5	.....	12	.....	10
18,520	68,933	80,513	43	7,930	2,871	292,256	4,712	552,933	255,965	184	58	20	.....	106	6	11
852	398	5,490	.....	928	108	12,214	171	26,860	14,475	.....	.....	.....	.....	.....	.....	12
210,983	154,385	1,392,082	7,703	172,629	11,813	1,504,907	37,385	4,170,850	2,628,558	1,186	.....	15	.....	1,171	.....	13
205,807	186,163	2,356,510	960	128,127	145,857	7,496,665	26,322	11,663,097	4,140,110	2,022	1,563	50	1	408	845	14
34,816	25,111	140,806	.....	17,773	1,670	244,783	6,088	577,038	326,167	210	40	15	.....	155	.....	15
305,943	372,369	1,699,806	2,426	185,141	25,557	3,261,601	63,661	6,945,312	3,620,050	2,148	462	109	.....	1,577	400	16
186,953	149,885	1,802,925	1,246	89,630	44,538	4,395,426	24,524	7,486,648	3,066,698	7,893	7,310	75	.....	508	599	17
183,420	126,184	896,754	21,920	69,650	17,187	4,285,884	95,353	6,313,930	1,932,693	2,153	25	280	.....	1,848	.....	18
390,305	1,215,705	5,091,013	3,832	606,990	166,216	16,791,000	626,647	34,217,248	16,799,601	6,543	2,860	61	.....	3,622	1,695	19
273,998	854,686	3,857,824	3,832	531,473	100,683	11,633,276	521,210	22,897,064	10,742,578	4,468	1,455	61	.....	2,952	958	20
116,307	361,019	1,233,189	.....	75,517	65,533	5,157,724	105,437	11,320,184	6,057,023	2,075	1,405	.....	.....	670	737	21
49,084	65,576	351,326	120,000	45,161	10,256	51,796	120,695	927,624	755,133	2,385	2,020	22	5	338	75	22
17,900	9,319	175,945	2,933	11,299	1,339	353,697	5,170	691,198	332,331	104	.....	.....	.....	104	.....	23
49,574	16,841	197,069	4,921	15,261	3,889	552,127	12,361	1,037,512	473,024	203	75	2	.....	126	.....	24
28,862	29,034	41,836	9,113	18,640	2,830	1,089,478	7,712	1,347,098	249,908	233	63	.....	.....	170	.....	25
27,379	20,806	146,715	3,226	11,808	717	177,370	7,075	437,533	253,088	146	.....	.....	.....	146	.....	26
.....	.....	4,864	.....	420	52	23,370	700	38,477	14,407	.....	.....	.....	.....	.....	.....	27
13,012	4,889	56,976	.....	2,620	520	35,666	1,555	167,096	129,875	58	.....	.....	.....	58	.....	28
21,970	9,958	40,542	.....	10,400	507	103,356	2,481	214,884	109,047	135	.....	.....	.....	135	.....	29
11,275	19,368	100,148	766	11,004	691	55,887	5,663	244,424	182,874	128	.....	.....	.....	128	.....	30
3,600	951	30,107	.....	8,516	301	55,641	1,411	114,813	57,761	23	.....	.....	.....	23	.....	31
145,710	175,709	1,295,358	37,344	89,000	57,248	2,473,634	67,152	4,989,377	2,448,591	4,581	3,380	59	.....	1,142	2,197	32
145,710	175,709	1,271,334	37,144	85,186	55,897	2,444,634	65,665	4,913,026	2,402,727	4,514	3,380	59	.....	1,075	2,197	33
.....	.....	24,024	200	3,814	1,351	29,000	1,487	76,351	45,864	67	.....	.....	.....	67	.....	34
215,134	501,824	8,260,288	59,748	.....	34,573	6,645,936	443,508	16,687,929	9,598,485	13,150	12,413	12	.....	725	8,503	35
398,116	797,524	13,922,995	.....	33,660	175,051	31,851,421	537,491	50,930,691	18,541,779	27,052	21,501	4,088	55	1,408	19,853	36
48,176	60,958	112,424	360	11,629	11,846	1,007,030	56,529	1,816,571	753,012	950	405	320	.....	225	5	37
45,366	57,456	51,605	1,302	15,773	2,070	324,772	4,354	613,827	284,701	92	12	.....	.....	80	.....	38
1,666	4,816	10,801	502	6,325	165	33,158	829	84,234	50,247	25	12	.....	.....	13	.....	39
43,700	52,640	40,804	800	9,448	1,905	291,614	3,525	529,593	234,454	67	.....	.....	.....	67	.....	40
9,113	2,028	86,005	.....	14,970	300	400	1,632	159,895	157,863	35	.....	.....	.....	35	.....	41
2,195,810	4,501,791	18,770,681	5,220,017	1,358,285	179,475	37,761,864	294,404	83,394,069	45,237,801	4,148	490	38	.....	3,620	359	42
.....	.....	3,248	.....	480	24	721	340	8,931	7,870	6	.....	.....	.....	6	.....	43
528,229	612,943	4,259,842	329,009	421,087	17,542	10,311,717	67,844	19,211,137	8,831,576	1,051	.....	.....	.....	1,051	.....	44
522,049	600,071	3,977,904	329,009	406,378	16,985	10,203,070	61,354	18,705,638	8,441,214	978	.....	.....	.....	978	.....	45
406,521	513,434	3,276,302	328,559	327,448	14,173	8,006,452	46,760	14,934,701	6,881,489	614	.....	.....	.....	614	.....	46
54,668	39,978	236,284	.....	25,803	1,504	825,468	5,679	1,325,676	494,529	113	.....	.....	.....	113	.....	47
60,860	46,659	465,318	450	53,127	1,308	1,371,150	8,915	2,445,261	1,065,196	251	.....	.....	.....	251	.....	48
6,180	12,872	281,938	.....	14,709	557	108,647	6,490	505,499	390,362	73	.....	.....	.....	73	.....	49
5,400	.....	187,648	.....	7,050	183	5,059	3,230	243,742	235,453	32	.....	.....	.....	32	.....	50
780	12,872	94,290	.....	7,659	374	103,588	3,260	261,757	154,909	41	.....	.....	.....	41	.....	51
97,086	198,638	440,165	.....	28,434	12,500	1,052,378	18,518	2,262,058	1,191,162	1,100	675	33	.....	392	134	52
638,302	784,409	2,407,072	9,867	272,351	180,738	12,247,385	228,873	22,979,704	10,503,446	7,505	3,337	807	10	3,351	3,015	53
550,672	716,463	2,026,265	8,790	235,371	170,424	10,844,198	167,147	20,348,661	9,337,316	4,546	3,062	146	.....	1,338	2,406	54
87,630	67,946	380,807	1,077	36,980	10,314	1,403,187	61,726	2,631,043	1,166,130	2,959	275	661	10	2,013	519	55
109,273	30,718	627,503	6,993	24,889	13,547	2,549,939	24,366	3,675,528	1,101,223	2,067	1,916	.....	.....	151	29	56
249,328	177,204	1,386,686	58,372	144,910	24,111	2,624,642	48,179	5,640,362	2,967,541	1,565	356	110	.....	1,099	297	57
30,974	28,373	211,844	325	3,789	2,917	204,928	12,120	611,025	393,977	635	575	15	.....	45	114	58
27,744	26,266	119,197	5,050	7,358	4,873	142,164	8,154	680,913	530,595	269	155	.....	.....	114	94	59
86,677	241,389	162,118	9,089	21,640	8,718	447,997	12,654	1,380,809	920,158	595	503	31	.....	61	61	60
852,505	1,427,407	3,648,201	40,188	345,176	81,879	6,980,751	170,884	17,568,424	10,416,789	4,849	1,425	252	.....	3,172	1,913	61
32,172	7,548	236,479	2,281	34,453	758	75,393	10,150	487,360	401,817	439	.....	81	.....	355	3	62

[3] Same number reported for one or more other months.

[4] Same number reported throughout the year.

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	CHICAGO—Continued.															
1	Emery and other abrasive wheels	5	65	3	7	10	4	41	My [3] 47	Oc 35	39	36	3	.....	.....	$115,348
2	Engines, steam, gas, and water	9	963	2	20	76	12	853	Fe 968	Se 583	894	891	3	.....	.....	6,184,647
3	Engravers' materials	3	53	.....	7	5	6	35	De 36	Ja 34	36	36	.....	.....	.....	129,886
4	Engraving, steel and copper plate, including plate printing.	45	1,708	38	73	102	80	1,415	De 1,460	Mh 1,343	1,462	1,030	347	40	45	2,853,087
5	Engraving, wood	12	262	8	12	41	11	190	Jy 221	Fe 173	193	191	2	.....	.....	143,589
6	Envelopes	15	900	4	45	74	53	724	Fe 747	Je 692	733	294	419	7	13	1,285,197
7	Fancy articles, not elsewhere specified.	40	835	34	50	100	44	607	.....	.....	609	243	358	5	3	1,211,552
8	Beadwork	3	11	4	.....	.....	1	6	Mh [2] 8	Oc [3] 5	5	1	4	.....	.....	6,425
9	Metal and paper novelties	18	310	11	24	22	17	236	Oc 285	Ja 185	267	135	130	1	1	335,133
10	Celluloid, wood, and all other novelties.	19	514	19	26	78	26	365	Se 445	Ja 301	337	107	224	4	2	869,994
11	Feathers and plumes	4	42	2	3	1	1	35	Oc [3] 39	Ja 26	37	6	30	.....	1	19,898
12	Flags and banners	8	156	4	11	9	7	125	De 155	Fe 102	155	26	80	.....	49	114,155
13	Flavoring extracts	19	263	7	27	59	39	131	Ap 157	De 103	108	62	45	1	.....	787,863
14	Food preparations, not elsewhere specified.	74	1,601	84	72	214	90	1,141	.....	.....	1,219	783	423	4	9	3,539,247
15	Breadstuff preparations, cereals, and table foods.	4	38	1	2	3	1	31	Fe [3] 34	Au 28	30	22	8	.....	.....	95,363
16	Lard compounds and meat products.	8	238	4	16	25	10	183	Se 235	Ja 152	184	108	73	1	2	695,716
17	Sausage casings	7	247	7	2	12	1	225	Ja 235	Mh 207	230	149	81	.....	.....	93,955
18	All other	55	1,078	72	52	174	78	702	Se 765	Ja 642	775	504	261	3	7	2,654,213
19	Foundry and machine-shop products.	440	25,348	215	959	2,610	574	20,990	.....	.....	19,203	18,421	657	91	34	65,098,139
20	Boiler shops	7	70	9	3	5	1	52	Jy 63	Fe [3] 46	52	51	1	.....	.....	77,043
21	Foundries	36	9,252	10	205	1,042	54	7,941	Ap 8,398	De 7,177	7,198	6,953	229	16	.....	18,244,319
22	Machine shops	397	16,026	196	751	1,563	519	12,997	Mh 14,028	De 11,510	11,953	11,417	427	75	34	46,776,777
23	Fur goods	84	479	71	35	44	29	300	No 447	Ap 188	430	236	189	2	3	1,086,649
24	Furnishing goods, men's	30	1,303	25	32	160	66	1,020	De 1,084	Je 946	1,057	150	878	2	27	1,922,218
25	Furniture	212	11,247	151	419	678	266	9,733	.....	.....	9,727	9,397	236	91	3	18,820,032
26	Wood, metal, and rattan and willow.	150	9,189	106	316	464	192	8,111	Mh 8,496	Jy 7,644	8,211	7,922	199	88	2	15,819,139
27	Store and office fixtures	62	2,058	45	103	214	74	1,622	My 1,775	De 1,443	1,516	1,475	37	3	1	3,000,893
28	Furs, dressed	3	52	1	5	3	1	42	No 48	Mh 37	44	38	6	.....	.....	27,846
29	Galvanizing	5	85	.....	9	5	2	69	Mh [3] 78	Ja 58	64	64	.....	.....	.....	155,750
30	Gas and electric fixtures	43	1,613	20	85	181	73	1,254	.....	.....	1,265	1,033	217	9	6	2,758,704
31	Gas and electric	36	1,471	20	71	168	58	1,154	Fe 1,238	Jy [3] 1,084	1,151	921	217	7	6	2,444,628
32	All other	7	142	.....	14	13	15	100	Ja 117	Je 82	114	112	.....	2	.....	314,076
33	Gas machines and gas and water meters.	7	292	1	18	132	19	122	Fe 136	De 114	114	114	.....	.....	.....	1,383,995
34	Glass, cutting, staining, and ornamenting.	47	976	35	52	49	30	810	Oc 837	Jy 767	852	729	95	20	8	950,127
35	Gold, leaf and foil	6	166	2	14	.....	4	146	No 159	Je [2] 136	156	72	67	7	10	97,430
36	Grease and tallow, not including lubricating greases.	8	723	4	19	89	28	583	.....	.....	544	516	25	3	.....	2,414,713
37	Tallow	4	645	1	15	87	27	515	Ap 543	No 477	479	451	25	3	.....	2,200,882
38	Soap stock and all other	4	78	3	4	2	1	68	Ap 74	No 64	65	65	.....	.....	.....	213,831
39	Hand stamps	20	265	15	19	38	19	174	My 188	Se 161	170	127	38	5	.....	386,227
40	Hardware	51	2,189	22	95	131	95	1,846	.....	.....	1,708	1,529	166	13	.....	5,244,719
41	Locks, hinges, and other builders' hardware.	11	404	2	19	30	20	333	Mh 351	De [3] 314	316	306	3	7	.....	705,831
42	All other	40	1,785	20	76	101	75	1,513	Fe 1,762	Se 1,382	1,392	1,223	163	6	.....	4,538,888
43	Hat and cap materials	3	12	2	.....	1	1	8	(4) 8	(4) 8	8	2	6	.....	.....	5,664
44	Hats and caps, other than felt, straw, and wool.	36	561	46	23	20	10	465	Je 495	Ja 393	458	316	137	5	.....	288,116
45	Hats, fur-felt	6	38	5	5	.....	.....	28	Ap 33	De 21	25	13	12	.....	.....	39,486
46	Hosiery and knit goods	33	1,238	22	41	42	44	1,089	No 1,163	Jy 992	1,173	233	888	5	47	2,450,074
47	House-furnishing goods, not elsewhere specified.	40	710	37	45	55	78	495	Mh 542	Jy 448	474	214	240	6	14	1,361,690
48	Ice, manufactured	18	507	1	36	19	3	448	Jy 566	De 337	391	391	.....	.....	.....	3,335,154
49	Ink, printing	9	83	7	10	12	.....	54	My [3] 56	De [3] 53	55	50	1	4	.....	363,202
50	Iron and steel, steel works and rolling mills.	7	5,356	.....	195	433	65	4,663	Mh 5,622	De 3,246	3,623	3,623	.....	.....	.....	31,497,170
51	Iron and steel forgings, not made in steel works or rolling mills.	10	515	5	17	15	10	468	Au 552	No 339	399	399	.....	.....	.....	1,785,015
52	Japanning	3	65	2	3	1	.....	59	My 73	De 44	50	48	2	.....	.....	29,031
53	Jewelry	89	1,312	100	60	134	89	929	Ja 966	Jy 889	937	814	111	12	.....	2,155,773
54	Jewelry and instrument cases	8	254	5	9	2	4	234	Ja 260	Se 216	238	83	133	7	15	143,705
55	Lapidary work	6	42	2	4	7	1	28	Oc 37	Mh 23	34	34	.....	.....	.....	181,757
56	Leather goods, not elsewhere specified.	33	513	24	36	31	18	404	Fe 421	De 363	414	271	132	4	7	694,373
57	Leather, tanned, curried, and finished.	24	2,513	22	49	115	16	2,311	Fe 2,478	Oc 2,106	2,593	2,587	3	3	.....	14,942,269

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Expenses. Salaries and wages. Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent and taxes. Rent of factory.	Taxes, including internal revenue and corporation income.	For materials. Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Power. Primary horsepower. Total.	Steam engines.[1]	Internal combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
$10,380	$12,219	$41,416	.....	$5,040	$665	$64,645	$2,213	$194,383	$127,525	57	.....	.....	.....	57	.....	1
48,332	83,866	718,693	$1,470	7,608	25,599	976,219	39,414	1,795,009	773,376	694	33	44	.....	617	5	2
20,450	10,104	27,776	.....	6,021	958	237,768	4,111	339,390	97,511	185	.....	.....	.....	185	.....	3
203,776	194,671	945,955	120,796	77,949	12,848	865,954	32,312	3,142,650	2,244,384	1,296	750	1	.....	545	692	4
58,233	44,294	238,249	3,674	14,069	403	66,492	1,101	490,224	422,631	13	.....	.....	.....	13	.....	5
106,670	124,943	395,184	3,972	50,138	4,459	784,317	15,383	1,830,473	1,030,773	561	.....	.....	.....	561	.....	6
78,825	215,979	408,662	18,765	42,894	2,310	1,077,829	15,345	2,157,209	1,064,035	371	.....	43	.....	328	.....	7
.....	365	2,247	300	978	21	6,297	49	13,300	6,954	1	.....	.....	.....	1	.....	8
38,285	33,742	122,751	17,335	15,858	1,344	277,692	7,317	617,231	332,282	277	.....	40	.....	237	.....	9
40,540	181,872	283,664	1,130	26,058	945	793,840	7,979	1,526,618	724,799	93	.....	3	.....	90	.....	10
3,305	1,024	15,557	.....	2,535	84	21,451	330	59,783	38,002	1	.....	.....	.....	1	.....	11
12,666	8,929	56,040	1,550	12,265	294	128,651	1,302	288,820	158,867	25	.....	.....	.....	25	.....	12
67,769	86,326	75,450	.....	23,316	3,638	654,863	8,007	1,345,551	682,681	259	90	32	.....	137	.....	13
185,667	339,041	620,177	1,770	101,434	27,898	7,389,733	83,486	10,047,716	2,574,497	2,699	1,201	311	.....	1,187	427	14
4,141	4,519	18,024	.....	6,789	368	151,776	2,889	193,702	39,037	162	.....	.....	.....	162	.....	15
45,330	55,883	87,328	.....	12,768	8,043	2,228,526	11,862	2,754,003	513,615	383	210	6	.....	167	.....	16
4,820	9,648	123,563	.....	9,450	849	328,266	7,579	595,750	259,905	107	52	.....	.....	55	5	17
131,376	268,991	391,262	1,770	72,427	18,638	4,681,165	61,156	6,504,261	1,761,940	2,047	939	305	.....	803	422	18
2,896,232	3,561,898	14,819,337	408,973	812,246	515,195	21,252,855	1,403,342	57,005,703	34,349,506	41,614	18,976	1,482	20	21,136	11,664	19
5,200	3,840	40,765	1,494	4,450	839	41,051	2,804	130,701	86,846	108	10	.....	.....	98	.....	20
701,078	1,260,549	5,185,544	21,655	232,119	246,223	6,471,102	831,043	18,463,280	11,161,135	14,932	3,240	87	.....	11,605	927	21
2,189,954	2,297,509	9,593,028	385,824	575,677	268,133	14,740,702	569,495	38,411,722	23,101,525	26,574	15,726	1,395	20	9,433	10,737	22
55,150	56,708	219,053	24,108	93,115	2,227	864,415	5,426	1,604,873	735,032	141	.....	55	.....	86	21	23
90,116	246,548	544,442	3,241	71,091	10,189	2,258,748	6,594	3,579,603	1,314,261	472	400	.....	.....	72	269	24
1,040,929	963,291	6,356,699	38,158	479,148	109,088	10,457,420	277,767	23,349,811	12,614,624	18,561	12,125	2,935	.....	3,501	3,838	25
813,550	720,943	5,060,363	28,466	332,842	94,858	8,581,249	222,923	18,635,990	9,831,818	13,188	10,255	254	.....	2,679	3,477	26
227,379	242,348	1,296,336	9,692	146,306	14,230	1,876,171	54,844	4,713,821	2,782,896	5,373	1,870	2,681	.....	822	361	27
14,860	3,520	24,003	.....	3,000	210	7,379	1,880	65,336	56,077	40	.....	.....	.....	40	.....	28
21,344	7,561	40,058	213	3,180	2,005	124,568	8,158	245,144	112,418	94	25	65	.....	4	.....	29
235,810	225,113	898,968	21,590	106,429	10,459	1,981,285	39,812	4,075,405	2,054,308	1,317	720	121	.....	476	420	30
202,285	201,355	822,609	20,610	91,792	9,235	1,824,891	34,518	3,689,458	1,839,049	1,171	720	71	.....	380	420	31
30,525	23,758	76,359	980	14,637	1,224	156,394	5,294	385,947	224,259	146	.....	50	.....	96	.....	32
62,686	162,984	103,388	1,550	3,660	6,365	307,346	2,929	991,193	680,918	27	.....	.....	.....	27	.....	33
106,746	71,275	555,533	3,357	64,113	4,386	826,618	22,925	1,836,266	986,723	315	30	8	.....	277	.....	34
16,350	3,504	73,709	4,921	3,302	363	145,434	1,385	256,798	109,979	66	50	.....	.....	16	5	35
78,795	88,727	431,541	.....	2,200	17,325	3,007,431	106,330	3,974,765	861,004	1,361	1,306	.....	.....	55	1,077	36
71,411	85,763	378,140	.....	1,000	14,783	2,869,861	98,677	3,758,871	799,333	1,220	1,180	.....	.....	40	1,027	37
7,384	2,964	53,401	.....	1,200	2,542	137,570	7,653	215,891	70,671	141	126	.....	.....	15	50	38
43,792	39,174	119,064	100	26,132	1,688	162,053	3,869	527,160	361,238	152	.....	17	.....	135	.....	39
270,908	220,669	1,172,504	16,424	69,088	34,665	2,148,935	93,284	5,141,763	2,899,544	2,593	1,160	267	.....	1,166	662	40
42,145	56,467	223,226	5,444	18,108	2,492	281,662	15,791	786,323	488,870	304	85	29	.....	190	.....	41
228,763	164,202	949,278	10,980	50,980	32,173	1,867,273	77,493	4,355,440	2,410,674	2,289	1,075	235	.....	976	662	42
.....	208	5,500	.....	1,200	14	690	139	13,400	12,571	1	.....	.....	.....	1	.....	43
34,560	21,614	304,967	.....	34,248	964	511,387	5,297	1,126,735	610,051	81	.....	.....	.....	81	.....	44
8,782	.....	20,222	.....	2,820	156	41,253	1,074	90,655	48,328	16	.....	.....	.....	16	.....	45
92,352	84,638	483,724	4,552	67,858	9,598	1,239,738	22,548	2,325,212	1,062,926	468	85	25	.....	358	.....	46
138,581	201,837	250,639	24,695	44,619	9,190	1,500,005	11,643	3,054,243	1,542,595	688	475	38	.....	175	115	47
72,857	24,625	402,635	.....	8,203	20,557	153,869	301,591	1,334,494	879,034	10,732	6,430	200	115	3,987	880	48
41,147	20,507	37,690	.....	7,285	2,583	249,238	10,510	503,538	243,790	345	.....	.....	.....	345	.....	49
514,221	474,470	4,284,611	50	4,000	135,059	16,485,432	2,215,800	27,001,775	8,270,543	97,493	85,204	12,085	.....	204	55,571	50
49,775	24,871	398,250	243	17,738	13,198	628,585	99,755	1,289,046	560,706	1,699	666	.....	.....	1,033	103	51
10,620	1,040	39,625	.....	4,287	182	8,198	1,377	81,548	71,973	5	.....	.....	.....	5	.....	52
169,592	219,773	751,411	15,360	98,209	7,457	1,196,634	15,107	3,135,945	1,924,204	514	150	7	.....	357	75	53
17,793	3,162	114,316	.....	12,872	825	222,651	2,295	390,551	165,605	51	.....	.....	.....	51	.....	54
5,400	3,664	27,242	1,075	7,010	526	69,130	860	127,176	57,186	21	.....	.....	.....	21	.....	55
81,302	58,087	209,707	.....	40,297	3,105	1,122,401	10,927	1,733,982	600,654	524	250	.....	.....	274	.....	56
177,879	134,387	1,333,140	.....	89,253	43,832	12,374,993	137,068	15,662,742	3,150,681	7,128	6,645	50	.....	433	448	57

[3] Same number reported for one or more other months.

[4] Same number reported throughout the year.

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.	Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	CHICAGO—Continued.															
1	Liquors, malt	37	4,785	4	253	525	30	3,973	Je 4,277	Fe 3,806	3,901	3,879	22	.....	.....	$42,088,471
2	Lithographing	34	1,150	14	54	99	39	944	My 970	Fe 914	956	810	136	8	2	2,095,232
3	Looking-glass and picture frames	52	2,093	31	76	157	97	1,732	Mh 1,802	De 1,568	1,814	1,627	156	26	5	2,707,205
4	Lubricating greases	5	45	.....	10	14	2	19	Mh[3] 20	Ja[3] 18	19	19	.....	.....	.....	85,678
5	Lumber and timber products	4	188	2	9	14	2	161	Je 185	Se 124	172	172	.....	.....	.....	1,216,924
6	Lumber, planing-mill products, not including planing mills connected with sawmills.	159	6,460	79	279	439	129	5,534	Au 5,812	Ja 5,277	5,418	5,363	3	46	6	12,476,456
7	Malt	11	501	.....	25	68	5	403	Fe 484	Au 284	410	410	.....	.....	.....	10,541,782
8	Marble and stone work	110	1,570	126	98	63	27	1,256	Au 1,358	Fe 1,152	1,209	1,206	3	.....	.....	2,804,252
9	Mattresses and spring beds, not elsewhere specified.	60	1,130	62	44	94	40	890	My 939	De 829	836	702	132	2	.....	1,384,785
10	Mineral and soda waters	63	544	67	40	45	10	382	Jy 456	Fe 333	355	335	20	.....	.....	736,804
11	Mirrors, framed and unframed	10	288	7	18	23	9	231	No 245	Jy 216	235	232	2	1	.....	391,098
12	Models and patterns, not including paper patterns.	58	421	60	21	12	6	322	Mh 379	Oc 271	289	262	23	4	.....	316,840
13	Musical instruments, organs	6	30	6	4	.....	1	19	Ap 21	Oc[3] 18	18	16	2	.....	.....	57,455
14	Musical instruments, pianos	30	4,782	6	87	325	190	4,174	Ap 4,473	Oc 3,852	4,007	3,806	144	46	11	24,348,861
15	Musical instruments, piano and organ materials.	10	828	3	33	21	14	757	Ja 867	Au[3] 682	686	501	170	14	1	1,544,067
16	Paints	31	2,529	7	117	749	127	1,529	Ap 1,717	No 1,361	1,347	1,198	148	1	.....	14,175,253
17	Paper goods, not elsewhere specified	21	501	9	33	59	25	375	Au 448	Ja 298	378	168	204	.....	6	780,774
18	Patent medicines and compounds	190	1,831	102	175	487	342	725	Mh 803	Au 660	672	388	248	10	26	3,515,508
19	Paving materials	4	539	.....	10	18	1	510	Au 899	Fe 159	808	808	.....	.....	.....	1,269,717
20	Perfumery and cosmetics	53	592	35	43	27	129	358	Oc 375	Ja 338	353	89	248	7	9	526,382
21	Photographic apparatus	13	343	11	12	44	42	234	.....	.....	230	179	49	.....	2	972,119
22	Cameras and motion-picture machines.	6	311	4	8	44	38	217	Ja 239	No 198	209	171	36	.....	2	952,966
23	All other apparatus and parts	7	32	7	4	.....	4	17	Au[3] 19	Ap[3] 15	21	8	13	.....	.....	19,153
24	Photographic materials	5	337	2	16	32	22	265	Au 314	De 200	200	102	97	1	.....	866,918
25	Photo-engraving	23	1,211	8	59	186	51	907	Fe 951	Se 864	932	874	39	17	2	1,016,250
26	Pickles, preserves, and sauces	44	1,225	31	51	120	36	987	.....	.....	1,005	477	485	8	35	3,033,632
27	Preserves	7	228	3	7	10	2	206	Je 292	Ja 146	166	71	95	.....	.....	473,507
28	Pickles and sauces	37	997	28	44	110	34	781	Oc 859	Je 705	839	406	390	8	35	2,560,125
29	Plumbers' supplies, not elsewhere specified.	14	2,598	3	37	211	41	2,306	Fe 2,452	De 2,135	2,135	2,051	81	3	.....	6,429,766
30	Pocketbooks	3	27	4	.....	.....	.....	23	Oc[3] 31	Ja 11	31	31	.....	.....	.....	6,300
31	Printing and publishing, book and job.	904	21,857	757	958	1,766	1,410	16,966	.....	.....	16,862	12,640	3,721	356	145	32,959,869
32	Job printing	752	18,071	667	745	1,045	561	15,053	Mh 15,504	My[3] 14,847	15,025	11,375	3,204	337	109	21,378,710
33	Book publishing and printing, including linotype work and typesetting.	152	3,786	90	213	721	849	1,913	Au 2,044	De 1,789	1,837	1,265	517	19	36	11,581,159
34	Printing and publishing, newspapers and periodicals.	440	10,833	206	715	3,581	1,886	4,445	.....	.....	4,372	3,936	396	33	7	22,565,351
35	Printing and publishing	33	5,560	13	180	2,107	566	2,694	Ja 2,770	No 2,635	2,648	2,545	100	3	.....	15,012,212
36	Printing, publishing, and job printing.	74	2,187	56	111	233	297	1,490	Fe 1,537	Au 1,444	1,474	1,141	296	30	7	3,272,012
37	Publishing without printing	333	3,086	137	424	1,241	1,023	261	Se 286	Ja 234	250	250	.....	.....	.....	4,281,127
38	Printing materials	11	128	7	11	24	9	77	Oc 87	Jy 70	77	76	1	.....	.....	487,196
39	Roofing materials	12	739	2	40	100	33	564	My 629	Ja 484	542	539	1	2	.....	3,974,628
40	Saddlery and harness	97	390	95	11	16	6	252	My 277	Se 210	278	254	22	2	.....	501,958
41	Sausage	21	358	17	15	24	6	206	Au 317	Mh 268	282	262	20	.....	.....	739,687
42	Shipbuilding, wooden, including boat building.	8	70	6	5	4	2	53	Ap [3] 86	Se 22	50	50	.....	.....	.....	178,698
43	Shirts	17	555	8	24	20	11	492	Ap 554	Au 411	460	105	351	1	3	324,456
44	Signs and advertising novelties	136	2,387	118	126	302	141	1,700	.....	.....	1,788	1,364	375	24	25	6,925,700
45	Electric signs	13	392	10	37	114	41	190	Ap 209	Ja[3] 177	201	181	20	.....	.....	2,037,731
46	Other signs	87	936	86	38	89	33	690	Je. 779	Mh 616	737	705	22	10	.....	3,127,667
47	Advertising novelties	34	1,059	22	51	99	67	820	No 885	Ja 768	850	478	333	14	25	1,760,302
48	Slaughtering and meat packing	37	33,468	10	277	5,865	908	26,408	De 30,322	My 23,740	29,432	26,323	3,055	16	38	194,434,335
49	Smelting and refining, not from the ore.	13	184	13	15	21	9	126	Mh 133	Au[3] 118	130	129	.....	1	.....	1,595,560
50	Soap	23	3,068	10	67	681	191	2,116	Mh 2,196	De 2,045	2,066	1,461	524	21	60	12,144,094
51	Soda-water apparatus	7	1,221	4	27	133	68	989	Ap 1,115	Oc 888	914	903	11	.....	.....	3,885,009
52	Stamped and enameled ware	14	445	7	19	21	10	388	My[3] 484	No 303	364	245	118	1	.....	884,548
53	Statuary and art goods	13	514	7	16	32	9	450	No 471	Ja 422	468	466	2	.....	.....	783,197
54	Steam fittings and steam and hot-water heating apparatus.	21	707	4	64	77	21	538	Ja 564	My 503	524	522	.....	2	.....	1,993,427
55	Steam packing	15	212	6	24	10	8	164	De 202	Jy 126	202	193	3	6	.....	264,359
56	Stencils and brands	7	25	7	1	.....	1	16	(4) 16	(4) 16	16	12	4	.....	.....	19,930
57	Stereotyping and electrotyping	25	935	8	51	146	25	705	Ja 716	De 695	684	682	1	1	.....	812,634
58	Stoves and hot-air furnaces, except gas and oil stoves.	25	943	21	52	85	41	744	.....	.....	674	671	.....	3	.....	3,286,737
59	Stoves and ranges	16	836	16	45	78	38	650	My 816	Au[3] 449	584	581	.....	3	.....	3,117,105
60	Hot-air furnaces and fireless cookers.	9	107	5	7	7	3	85	Se 106	Je 70	90	90	.....	.....	.....	169,632

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$924,972	$684,269	$3,978,094	$129,764	$85,527	$5,766,964	$7,090,308	$508,607	$28,933,286	$21,334,371	22,156	21,492	155	.....	509	5,164	1
196,311	185,549	873,592	23,591	80,403	8,287	954,333	24,075	2,692,744	1,714,336	824	125	.....	.....	699	180	2
199,834	246,329	1,023,734	200	112,771	9,449	1,525,388	45,497	3,814,071	2,243,186	1,573	520	225	.....	828	.....	3
12,796	16,969	14,196	200	4,100	1,868	69,512	380	119,689	49,797	9	.....	4	.....	5	.....	4
30,900	43,805	105,356	.....	7,129	7,733	634,765	8,683	984,295	340,847	590	450	23	.....	117	105	5
658,748	582,791	4,287,780	195,358	232,988	82,639	11,469,651	129,996	19,860,859	8,261,212	17,510	13,325	753	.....	3,432	1,614	6
150,114	214,865	399,605	3,039	33,867	70,572	8,628,198	235,460	10,745,989	1,882,331	7,439	6,150	900	.....	389	4,391	7
207,388	81,934	1,053,559	93,363	52,467	21,113	1,177,282	83,006	3,362,435	2,102,147	4,142	1,090	412	.....	2,640	25	8
104,257	139,297	481,173	1,630	71,174	11,077	1,872,260	32,591	3,304,380	1,399,529	1,080	145	48	.....	887	.....	9
70,628	43,315	340,020	160	46,839	6,539	470,827	19,963	1,209,947	719,157	609	364	39	2	204	4	10
35,564	25,625	157,561	5,057	17,337	2,882	472,032	8,706	770,075	289,337	374	250	5	.....	119	62	11
32,980	14,442	255,559	7,839	37,904	1,797	150,305	9,708	706,071	546,058	525	.....	37	.....	488	.....	12
4,472	520	17,330	.....	1,302	407	18,360	438	56,101	37,303	20	.....	.....	.....	20	.....	13
400,927	517,068	2,905,606	.....	87,360	99,356	4,195,133	87,366	11,008,364	6,725,865	4,464	3,655	50	.....	759	1,173	14
95,506	32,253	381,096	35	16,103	6,222	731,446	22,625	1,606,240	852,169	1,018	740	.....	.....	278	708	15
469,714	1,003,166	894,801	10,619	59,092	91,337	11,307,820	135,537	17,564,841	6,121,484	7,626	6,645	58	.....	923	4,666	16
91,062	117,233	154,371	2,518	40,268	2,372	868,683	10,388	1,471,308	592,237	384	10	23	.....	351	.....	17
483,526	871,262	461,428	15,614	130,826	34,593	2,060,947	22,508	7,963,866	5,880,411	957	383	46	10	518	127	18
33,970	27,205	298,187	160,000	19,210	8,648	481,947	37,914	977,300	457,439	1,170	300	.....	.....	870	.....	19
83,790	119,764	164,283	4,355	42,956	6,221	650,228	4,409	1,464,018	809,381	92	.....	.....	.....	92	.....	20
29,516	68,424	188,046	9,835	9,569	4,002	177,460	6,703	511,440	327,277	314	.....	.....	.....	314	.....	21
23,406	66,495	172,287	8,000	5,570	3,926	168,476	6,582	470,850	295,792	254	.....	.....	.....	254	.....	22
6,110	1,929	15,759	1,835	3,999	76	8,984	121	40,590	31,485	60	.....	.....	.....	60	.....	23
42,100	40,385	138,467	.....	3,690	5,862	453,743	8,512	803,966	341,711	358	300	1	.....	57	334	24
173,384	213,736	1,012,023	51,431	89,525	10,046	397,784	31,938	2,355,634	1,925,912	778	355	185	.....	238	398	25
112,309	158,837	465,211	40,050	60,780	23,731	3,055,010	32,120	4,677,655	1,590,525	2,781	820	37	.....	1,924	393	26
16,649	9,848	99,971	.....	26,970	5,039	714,136	10,708	968,062	243,218	249	168	.....	.....	81	160	27
95,660	148,989	365,240	40,050	33,810	18,692	2,340,874	21,412	3,709,593	1,347,307	2,532	652	37	.....	1,843	233	28
117,164	235,156	1,514,643	.....	57,374	36,463	1,475,153	143,843	3,786,981	2,167,985	3,273	1,151	84	.....	2,038	526	29
.....	.....	12,752	.....	300	8	34,885	66	52,114	17,163	.....	.....	.....	.....	.....	.....	30
2,539,363	2,849,995	12,953,439	3,683,924	1,495,705	141,445	17,678,295	448,395	50,836,108	32,709,418	15,329	4,080	129	.....	11,120	3,336	31
1,930,359	1,418,446	11,546,189	1,662,824	1,294,186	106,355	16,310,523	400,517	40,730,085	24,019,045	12,650	1,955	129	.....	10,566	2,132	32
609,004	1,431,549	1,407,250	2,021,100	201,519	35,090	1,367,772	47,878	10,106,023	8,690,373	2,679	2,125	.....	.....	554	1,204	33
2,214,461	5,204,453	3,784,559	4,434,837	517,965	134,164	7,462,860	189,379	35,622,820	27,970,581	7,118	1,010	93	.....	6,015	100	34
812,045	2,651,996	2,407,438	83,163	199,799	86,109	4,702,017	135,986	16,630,736	11,792,733	5,443	710	74	.....	4,659	100	35
321,822	460,481	1,215,930	74,055	102,375	18,603	1,464,357	52,836	5,311,653	3,794,460	1,670	300	19	.....	1,351	.....	36
1,080,594	2,091,976	161,191	4,277,619	215,791	29,452	1,296,486	557	13,689,431	12,383,388	5	.....	.....	.....	5	.....	37
37,857	41,002	64,027	2,317	12,270	3,279	131,286	6,059	453,217	315,872	163	.....	40	.....	123	2	38
127,901	185,591	404,603	7,685	2,403	23,948	2,780,341	87,981	4,510,773	1,642,451	1,124	250	.....	.....	874	63	39
22,330	15,449	175,570	2,535	36,077	3,174	610,658	7,931	1,055,706	437,117	102	35	.....	.....	67	.....	40
38,895	35,492	230,518	.....	10,517	4,586	2,977,915	35,791	3,725,958	712,252	829	308	13	.....	508	.....	41
10,620	5,167	45,804	.....	3,356	292	41,036	947	116,801	74,818	107	.....	12	.....	95	.....	42
69,138	25,785	271,291	2,122	29,005	1,923	378,834	4,847	945,542	561,861	144	12	.....	.....	132	.....	43
328,837	425,749	1,099,965	357,142	92,711	23,019	1,363,705	28,533	4,989,362	3,597,124	1,392	439	81	.....	872	372	44
54,420	40,807	114,864	5,325	17,078	6,407	247,207	2,344	528,750	279,199	48	.....	.....	.....	48	.....	45
143,700	227,031	543,830	326,848	48,428	10,576	489,894	15,342	2,561,471	2,056,235	346	210	34	.....	102	213	46
130,717	157,911	441,271	24,969	27,205	6,036	626,604	10,847	1,899,141	1,261,690	998	229	47	.....	722	159	47
1,451,364	7,734,758	16,311,119	14,633	141,474	792,221	340,909,396	1,598,848	406,983,267	64,475,023	56,489	53,048	176	.....	3,265	22,544	48
63,390	62,624	105,776	52	8,386	4,834	2,923,897	33,959	3,857,469	899,613	255	.....	18	.....	237	.....	49
254,627	791,125	1,239,317	21,882	83,015	76,904	14,820,852	312,872	21,255,430	6,121,706	5,974	3,454	1,501	.....	1,019	316	50
105,124	201,974	760,329	.....	14,520	20,489	1,371,570	27,578	3,407,393	2,008,245	1,378	.....	115	.....	1,263	168	51
65,922	30,688	224,731	5,409	30,308	4,755	443,483	13,670	951,377	494,224	361	75	.....	.....	286	.....	52
48,371	45,249	326,070	8,546	15,752	4,695	144,407	7,710	818,918	666,801	205	120	.....	.....	85	.....	53
207,197	94,374	397,708	13,283	45,765	6,485	740,692	22,076	1,956,616	1,193,848	833	335	34	.....	464	45	54
53,553	14,828	130,525	3,200	10,712	1,271	303,828	5,377	616,882	307,677	125	35	10	.....	80	.....	55
750	468	10,590	.....	2,562	138	12,351	302	37,170	24,517	8	.....	1	.....	7	.....	56
139,034	104,366	627,753	3,576	75,685	2,377	364,412	43,304	1,593,829	1,186,113	1,339	.....	.....	.....	1,339	.....	57
124,436	169,660	628,149	17,523	27,769	21,538	1,100,315	25,960	2,765,494	1,639,219	1,120	530	105	.....	485	658	58
107,881	161,875	541,861	14,758	21,056	20,259	900,713	25,117	2,369,520	1,443,690	1,098	530	105	.....	463	658	59
16,555	7,785	86,288	2,765	6,713	1,279	199,602	843	395,974	195,529	22	.....	.....	.....	22	.....	60

[3] Same number reported for one or more other months.

[4] Same number reported throughout the year.

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	Industry and city.	Number of establishments.	Persons engaged in the industry.										Wage earnings Dec. 15, or nearest representative day.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.					Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.			Male.	Female.	Male.	Female.	
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
	CHICAGO—Continued.																	
1	Structural ironwork, not made in steel works or rolling mills.	94	5,127	63	189	475	76	4,324	Ja	4,607	De	3,582	3,644	3,633	7	4	.....	$9,741,236
2	Suspenders, garters, and elastic woven goods.	11	712	14	21	97	50	530	Jy	600	De	478	479	31	414	1	33	786,119
3	Tinware, not elsewhere specified	19	2,165	9	37	117	66	1,936	Se	2,180	Ja	1,682	1,835	1,248	580	3	4	8,953,575
4	Tobacco manufactures	842	6,896	889	111	535	92	5,269	No	5,377	Jy	5,176	5,381	3,428	1,902	22	29	9,779,017
5	Tools, not elsewhere specified	46	851	45	58	41	37	670	Au [3]	680	Ja [3]	659	671	648	19	4	.....	1,424,205
6	Toys and games	11	154	4	11	6	11	122	No	204	Ja	75	143	73	69	1	.....	144,367
7	Trunks and valises	42	1,205	38	36	82	25	1,024	Mh	1,070	Ja	951	1,024	896	118	7	3	1,509,197
8	Type founding	7	318	2	14	22	14	266	Ap	301	Jy	235	253	206	47	.....	.....	1,695,379
9	Varnishes	29	888	5	73	290	90	430	Ap	464	Fe	400	403	361	40	2	.....	4,986,334
10	Vault lights and ventilators	5	183	1	17	12	10	143	Je	171	Mh	110	137	137	.....	.....	.....	300,984
11	Vinegar	3	172	.....	10	15	4	143	Oc	150	Ja	136	149	138	11	.....	.....	910,179
12	Washing machines and clothes wringers.	8	249	3	23	33	22	168	Je	213	Ja	139	151	151	.....	.....	.....	438,354
13	Window and door screens and weather strips.	14	147	12	18	7	6	104	Je	146	Fe [3]	65	107	101	2	4	.....	226,664
14	Window shades and fixtures	42	1,068	34	30	110	40	854	Se	883	De	818	824	623	195	6	.....	2,782,696
15	Wirework, including wire rope and cable, not elsewhere specified	30	266	24	18	16	13	195	Ap	211	No	188	206	194	8	4	.....	324,173
16	Wood, turned and carved	26	427	25	23	16	5	358	Se	368	Ja	345	362	354	5	2	1	537,300
17	Wooden goods, not elsewhere specified.	6	101	8	6	6	.....	81	Ap	101	Fe	67	72	72	.....	.....	.....	194,930
18	Wool pulling	8	48	10	.....	.....	.....	38	Se	57	Jy	10	48	48	.....	.....	.....	63,384
19	All other industries *	853	54,965	517	1,646	6,093	1,633	45,076	.....	.....	.....	.....	43,539	33,977	8,980	144	438	348,176,847

* All other industries embrace—

Aeroplanes and parts	2
Agricultural implements	3
Aluminum ware	1
Artificial flowers	12
Artificial limbs	9
Artists' materials	8
Asbestos products, not including steam packing	2
Babbitt metal and solder	9
Bags, paper, not including bags made in paper mills	1
Bells	1
Belting, leather	7
Belting and hose, woven	2
Butter, reworking	2
Canning and preserving, fruits and vegetables	4
Carriages and sleds, children's	7
Cars and general shop construction and repairs by electric-railroad companies	6
Cash registers and calculating machines	9
Cement	1
China decorating	9
Clocks	4
Clothing, horse	1
Coffee and spice, roasting and grinding	32
Coke	1
Combs and hairpins	3
Cordage and twine	2
Cordials and flavoring sirups	8
Cork, cutting	3
Corsets	15
Cotton goods	2
Cotton small wares	1
Dental goods	9
Drug grinding	2
Dyeing and finishing textiles	6
Dyestuffs and extracts	2
Enameling	1
Engraving and diesinking	30
Felt goods	2
Fertilizers	3
Files	2
Fire extinguishers, chemical	2
Flour-mill and gristmill products	3
Foundry supplies	5
Gas, illuminating and heating	3
Gloves and mittens, leather	26
Glue, not elsewhere specified	6
Gold and silver, reducing and refining, not from the ore	4
Hair work	25
Hammocks	1
Hardware, saddlery	4
Hats, straw	6
Hats, wool-felt	4
Hones and whetstones	1
Horseshoes	2
Ink, writing	6
Instruments, professional and scientific	28
Iron and steel, blast furnaces	4
Iron and steel, bolts, nuts, washers, and rivets	6
Iron and steel, doors and shutters	8
Iron and steel, nails and spikes, cut and wrought, including wire nails	5
Iron and steel, cast-iron pipe	1
Ivory, shell, and bone work	3

1	**EAST ST. LOUIS**—All industries	125	6,796	70	244	498	121	5,863	Se	6,227	De	5,064	5,875	5,762	95	18	.....	28,321,590
2	Bread and other bakery products	17	104	17	2	8	.....	77	My [3]	80	Oc	68	77	73	4	.....	.....	124,351
3	Cars and general shop construction and repairs by steam-railroad companies.	6	1,072	.....	10	68	3	991	Se	1,056	De	896	885	885	.....	.....	.....	394,368
4	Confectionery, ice cream	3	24	7	3	.....	1	13	Au	26	Ja [3]	3	16	14	2	.....	.....	21,128
5	Cooperage, hogsheads and barrels	3	17	1	6	2	.....	8	Je [3]	10	De	5	10	10	.....	.....	.....	65,026
6	Copper, tin, and sheet-iron work	7	27	7	2	.....	.....	18	Se [3]	21	Fe	15	17	17	.....	.....	.....	19,785
7	Flour-mill and gristmill products	7	283	1	27	42	21	192	Ap	206	Ja	154	202	201	.....	1	.....	1,935,487
8	Lumber, planing-mill products, not including planing mills connected with sawmills.	3	62	.....	8	2	2	50	Se	62	Ja	38	41	41	.....	.....	.....	168,268
9	Mineral and soda waters	6	27	4	2	1	.....	20	Jy	28	Ja [3]	14	19	19	.....	.....	.....	62,447
10	Printing and publishing, job printing.	6	43	5	8	1	4	25	Se	35	Ja [3]	21	29	21	7	1	.....	43,265
11	Printing and publishing, newspapers and periodicals.	3	33	3	3	.....	.....	27	Je	28	My	26	27	25	2	.....	.....	28,140
12	Tobacco, cigars	8	25	7	.....	1	.....	17	Fe [3]	20	Jy	12	16	12	4	.....	.....	13,009
13	All other industries *	56	5,079	18	173	373	90	4,425	.....	.....	.....	.....	4,536	4,444	76	16	.....	25,446,316

* All other industries embrace—

Artificial stone products	2
Awnings, tents, and sails	1
Baking powders and yeast	2
Butter	1
Carriages and wagons	2
Cars and general shop construction and repairs by electric-railroad companies	1
Cars, steam-railroad, not including operations of railroad companies	1
Chemicals	2
Cleansing and polishing preparations	1
Clothing, women's	1
Druggists' preparations	2
Food preparations, not elsewhere specified	3
Foundry and machine-shop products	4
Foundry supplies	1
Furniture	2
Gas, illuminating and heating	1
Glass	1
House-furnishing goods, not elsewhere specified	2

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Expenses. Salaries and wages. Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent and taxes. Rent of factory.	Taxes, including internal revenue and corporation income.	For materials. Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Power. Primary horsepower. Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
$469,035	$631,721	$3,282,149	$588,329	$61,223	$80,642	$6,968,565	$170,237	$13,736,282	$6,597,480	9,949	5,122	97	.....	4,730	5,258	1
50,425	125,011	198,066	137,286	19,332	4,271	1,172,958	5,816	1,958,857	780,083	121	.....	.....	.....	121	.....	2
140,236	214,004	1,162,952	175	46,331	20,860	4,031,916	52,518	6,644,334	2,559,900	1,270	488	.....	.....	782	126	3
310,341	749,888	3,202,814	2,403	163,695	2,839,756	8,304,469	46,729	21,460,007	13,108,809	1,069	1,015	.....	.....	54	656	1
127,441	73,424	494,646	9,536	41,202	6,772	452,678	36,421	1,558,669	1,069,570	1,463	760	201	.....	502	168	5
20,600	10,419	70,390	3,464	11,761	467	111,690	1,116	296,630	183,824	38	.....	.....	.....	38	.....	6
82,981	103,806	689,154	.....	71,203	10,362	1,222,655	11,532	2,620,835	1,386,648	516	275	.....	.....	241	365	7
40,592	30,963	195,215	1,817	34,531	5,537	326,575	8,508	792,772	457,689	796	.....	375	.....	421	.....	8
239,283	480,588	306,682	7,427	35,455	35,161	2,827,463	39,192	5,245,834	2,379,179	1,549	593	7	89	860	15	9
45,554	28,961	149,206	.....	6,800	1,935	275,387	2,611	573,167	295,169	91	.....	41	.....	50	.....	10
36,999	22,400	103,279	.....	914	7,820	402,696	16,412	662,702	243,594	430	415	.....	.....	15	.....	11
56,120	49,661	107,905	5,520	17,680	1,199	453,636	3,661	875,124	417,827	127	.....	12	.....	115	.....	12
35,404	9,590	70,483	2,385	8,226	1,788	145,874	3,936	379,388	229,578	135	.....	22	.....	113	.....	13
69,370	177,308	514,656	415	35,770	14,921	3,366,229	47,528	4,665,650	1,251,893	1,978	1,546	.....	.....	432	2,580	14
50,217	23,070	124,739	8,305	20,139	2,388	351,586	4,605	712,101	355,910	248	100	8	.....	140	.....	15
42,217	20,299	238,770	692	21,609	2,350	276,399	14,200	756,911	466,312	609	320	110	.....	179	147	16
4,750	8,710	34,280	3,000	1,500	1,459	83,250	2,421	163,383	77,712	162	150	.....	.....	12	80	17
.....	.....	28,869	16,621	3,862	191	448,675	726	498,482	49,081	35	25	.....	.....	10	.....	18
5,021,629	8,133,226	30,883,981	607,172	1,490,289	2,593,631	128,489,425	14,179,015	231,845,059	89,176,619	191,942	151,097	16,461	.....	24,384	52,996	19

Labels and tags	13
Lamps and reflectors	19
Lasts	1
Lead, bar, pipe, and sheet	1
Lime	2
Liquors, vinous	1
Matches	1
Millinery and lace goods, not elsewhere specified	100
Minerals and earths, ground	3
Motorcycles, bicycles, and parts	12
Mucilage and paste	8
Musical instruments and materials, not specified	26
Needles, pins, and hooks and eyes	1
Nets and seines	2
Oil, linseed	4
Oil, not elsewhere specified	6
Oilcloth and linoleum, floor	1
Oleomargarine	4
Optical goods	9
Paper and wood pulp	1
Paper patterns	3
Peanuts, grading, roasting, cleaning, and shelling	1
Pens, fountain and stylographic	7
Phonographs and graphophones	3
Pipes, tobacco	3
Pottery products	7
Printing and publishing, music	34
Pulp goods	1
Pumps, not including power pumps	1
Pumps, power	8
Refrigerators	7
Regalia and society badges and emblems	10
Rubber goods, not elsewhere specified	16
Rules, ivory and wood	1
Salt	1
Sand and emery paper and cloth	1
Saws	8
Scales and balances	10
Screws, machine	8
Screws, wood	2
Sewing machines and attachments	3
Shipbuilding, iron and steel	1
Show cases	10
Silk goods, including throwsters	3
Silversmithing and silverware	1
Smelting and refining, lead	2
Sporting and athletic goods	19
Springs, steel, car, carriage, etc., not made in steel works or rolling mills	6
Stationery goods, not elsewhere specified	21
Stoves, gas and oil	3
Sulphuric, nitric, and mixed acids	1
Surgical appliances	25
Tin foil	1
Typewriters and supplies	7
Umbrellas and canes	3
Upholstering materials	7
Wall paper, not made in paper mills	4
Wall plaster	1
Waste	1
Watchcases	2
Whips	2
Windmills	1
Wire	2
Wool scouring	3

$578,843	$655,155	$4,369,199	$46,700	$53,152	$300,988	$16,735,016	$688,410	$26,904,565	$9,481,139	18,183	15,095	30	.....	3,058	8,491	1
2,555	10,154	61,880	81	7,075	811	208,137	8,136	335,096	118,823	72	.....	.....	.....	72	.....	2
13,884	63,999	764,769	.....	.....	2,146	347,835	22,158	1,276,138	906,145	730	260	30	.....	440	.....	3
2,460	128	7,552	.....	1,495	4	23,515	215	42,400	18,670	10	.....	.....	.....	10	.....	4
6,647	300	4,053	.....	216	265	16,633	136	24,660	7,891	3	.....	.....	.....	3	.....	5
2,500	.....	13,748	.....	1,212	51	23,511	243	50,100	26,346	.....	.....	.....	.....	.....	.....	6
64,961	81,225	132,743	.....	8,755	10,191	4,879,326	19,866	5,811,422	912,210	2,127	1,450	.....	.....	677	.....	7
11,260	3,814	38,512	1,500	.....	1,587	69,786	2,279	149,562	77,497	206	100	.....	.....	106	.....	8
2,325	600	14,535	.....	2,334	490	25,279	507	52,070	26,284	16	.....	.....	.....	16	.....	9
6,648	1,724	15,069	100	2,390	127	16,030	928	53,382	36,424	24	.....	.....	.....	24	.....	10
4,260	.....	27,235	.....	1,524	105	20,562	534	57,942	36,846	29	.....	.....	.....	29	.....	11
.....	240	11,013	.....	558	2,873	11,214	10	28,618	17,394	.....	.....	.....	.....	.....	.....	12
461,343	492,971	3,278,090	45,019	27,593	282,338	11,093,188	633,398	19,023,195	7,296,609	14,966	13,285	.....	.....	1,681	8,491	13

Ice, manufactured	2
Iron and steel, steel works and rolling mills	1
Iron and steel forgings, not made in steel works or rolling mills	1
Liquors, malt	2
Marble and stone work, other than slate	2
Paints	4
Paper and wood pulp	1
Patent medicines and compounds	1
Petroleum, refining	1
Roofing materials	1
Saddlery and harness	2
Shipbuilding, wooden, including boat building	1
Signs and advertising novelties	1
Slaughtering, wholesale, not including meat packing	3
Springs, steel, car, and carriage, etc., not made in steel works or rolling mills	1
Tools, not elsewhere specified	1
Wirework, including wire rope and cable, not elsewhere specified	1

[3] Same number reported for one or more other months.

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.		Wage earners. Number, 15th day of— Minimum month.		Wage earnings Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
1	**PEORIA**—All industries	283	7,976	253	337	838	263	6,285	Jy	6,966	De	5,580	6,256	5,158	968	115	15	$32,509,307
2	Artificial stone products	6	63	6	7	1	1	48	Se [3]	62	Ja [3]	34	44	44				60,557
3	Automobile repairing	14	93	20	2	4	5	62	Jy	71	Ja	53	64	64				35,363
4	Bread and other bakery products	34	353	31	6	28	13	275	Au	289	Ja [3]	263	273	198	74	1		423,380
5	Carpets, rag	3	7	3				4	Jy [3]	5	Ja [3]	3	3	3				6,145
6	Carriages and wagons and materials	5	65	7	5	2	5	46	Au [3]	58	Ap	35	55	55				146,245
7	Cooperage, hogsheads and barrels	5	312	2	13	7	2	288	Oc	338	Je	220	291	291				979,077
8	Copper, tin, and sheet-iron products	9	267	8	11	17	10	221	No	236	Jy	209	212	155	48	6	3	617,259
9	Flour-mill and gristmill products	4	74	5	4	10	5	50	De [3]	53	Jy	44	53	52	1			309,929
10	Foundry and machine-shop products.	12	197	12	11	9	5	160					135	135				345,416
11	Foundries	3	84	2	3	1	1	77	Jy	121	No	54	65	65				140,875
12	Machine shops	9	113	10	8	8	4	83	Se	97	Ja	66	70	70				204,541
13	Furniture	3	45	3	2	4	3	33	Je	36	Mh	30	32	30	2			230,609
14	Ice, manufactured	3	114		9	8	4	93	Jy	144	De	62	120	118	2			451,296
15	Jewelry	4	19	4		1		14	Oc [3]	17	Je	10	17	17				21,050
16	Lumber, planing-mill products, not including planing mills connected with sawmills.	7	185	1	12	7	6	159	Se	175	De	131	160	160				560,849
17	Marble and stone work	6	149	13	8	8	3	117	My	137	De	79	131	131				318,597
18	Mineral and soda waters	7	31	8		1	1	21	Au [3]	28	Fe [3]	16	22	21	1			52,545
19	Patent medicines and compounds	5	18	3	2	8	1	4	(4)	4	(4)	4	4	4				76,211
20	Printing and publishing, book and job.	19	244	11	21	10	4	198	Mh	216	Au	186	201	162	33	4	2	390,971
21	Printing and publishing, newspapers and periodicals.	11	383	13	8	85	29	248					249	152	8	89		329,169
22	Printing, publishing, and job printing.	6	359	9	3	81	18	248	De	254	Fe	242	249	152	8	89		299,636
23	Publishing without printing	5	24	4	5	4	11											29,533
24	Saddlery and harness	4	43	8	1	3	3	28	Ap	32	Se	20	28	28				47,781
25	Slaughtering and meat packing	3	233	1	7	41	2	182	De	203	Oc [3]	168	203	201	2			665,886
26	Tobacco, cigars	32	331	40	3	18	6	264	Jy	277	De	248	254	198	48	7	1	288,177
27	All other industries *	87	4,750	54	205	566	155	3,770					3,705	2,939	749	8	9	26,152,795

* All other industries embrace—

Agricultural implements 1
Artificial limbs 1
Awnings, tents, and sails 2
Baking powders and yeast 2
Bluing 2
Bookbinding and blank-book making 1
Boxes, cigar 1
Boxes, fancy and paper 1
Brass, bronze, and copper products 3
Butter 2
Buttons 1
Canning and preserving, fruits and vegetables 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 2
Charcoal 1
China decorating 1
Cleansing and polishing preparations 2
Clothing, men's, including shirts 2
Clothing, women's 1
Coffins, burial cases, and undertakers' goods 1
Confectionery and ice cream 4
Cordage and twine 1
Druggists' preparations 2
Electrical machinery, apparatus, and supplies 1
Electroplating 1

1	**ROCKFORD**—All industries	265	11,828	169	399	503	285	10,472	Ja	11,070	Au	10,143	10,502	8,679	1,772	45	6	$38,853,145
2	Artificial stone products	4	21	3	2			16	Jy [3]	21	Ja [3]	5	17	17				20,175
3	Automobile repairing	4	28	2		1	3	22	Jy [3]	23	Ja [3]	21	22	22				11,700
4	Awnings, tents, and sails	3	6	4				2	Jy	5	Ja [5]	0	4	3	1			14,072
5	Bread and other bakery products	19	186	25	4	9	1	147	No [3]	150	Ja [3]	143	150	135	14	1		134,716
6	Confectionery and ice cream	7	48	10	1	1	2	34	Se	41	De [3]	29	29	19	10			122,687
7	Copper, tin, and sheet-iron work	13	46	18	1			27	Se [3]	28	Ja	26	29	28	1			31,205
8	Flour-mill and gristmill products	4	21	1	2	2	1	15	(4)	15	(4)	15	15	13	2			114,233
9	Foundry and machine-shop products.	25	1,577	15	72	66	35	1,389	Ap	1,492	No	1,268	1,274	1,262	10	2		4,075,194
10	Furniture	25	2,314	12	52	69	41	2,140	Mh	2,247	De	2,000	2,007	1,959	26	21	1	4,810,741
11	Hosiery and knit goods	5	1,651		22	22	23	1,584	De	1,705	Jy	1,455	1,700	731	968		1	4,516,060
12	Lumber, planing-mill products, not including planing mills connected with sawmills.	6	47	4	8	1	1	33	Se	37	Ja [3]	30	34	34				92,421
13	Marble and stone work	6	31	6	5	1	1	18	My	23	Fe	10	20	20				60,192
14	Mineral and soda waters	3	16	3	3	2		8	(4)	8	(4)	8	8	8				52,822
15	Models and patterns, not including paper patterns.	5	36	7	1		1	27	My	31	De	24	25	25				16,245
16	Printing and publishing, book and job.	16	178	12	7	22	8	129	De	138	Jy	119	137	107	26	4		280,773
17	Printing and publishing, newspapers and periodicals.	6	130	2	13	35	12	68	(4)	68	(4)	68	68	61	7			180,131
18	Pumps, not including power pumps	3	235	1	14	11	3	206	Ja	229	No [3]	168	168	167		1		488,458
19	Tobacco, cigars	8	26	8				18	De [3]	19	Fe [3]	17	19	18	1			11,198
20	Tools, not elsewhere specified	4	36		5	1	1	29	My	32	Se	26	28	28				77,759
21	All other industries *	99	5,195	36	187	260	152	4,560					4,748	4,022	706	16	4	23,742,363

*All other industries embrace—

Agricultural implements 3
Artificial limbs 1
Artists' materials 1
Automobile bodies and parts 3
Belting, leather 1
Blacking, stains, and dressings 1
Bookbinding and blank-book making 2
Boots and shoes, not including rubber boots and shoes 1
Boxes, fancy and paper 2
Boxes, wooden packing, except cigar boxes 1
Brass, bronze, and copper products 1
Brooms 1
Canning and preserving, fruits and vegetables 1
Carpets, rag 2
Carriage and wagon materials 1
Carriages and wagons 2
Cars and general shop construction and repairs by steam-railroad companies 2
Cars and general shop construction and repairs by street-railroad companies 1
Clothing, men's 4
Cordials and flavoring sirups 1
Cutlery and edge tools 1
Dairymen's, poultrymen's and apiarists' supplies 3
Electrical machinery, apparatus, and supplies 1
Electroplating 1
Engines, steam, gas, gasoline, and water 1
Fancy articles, not elsewhere specified 1
Flavoring extracts 1
Food preparations, not elsewhere specified 1
Galvanizing 1
Gas, illuminating and heating 1
Gas machines and gas and water meters 1
Glass, cutting, staining, and ornamenting 2

[1] Owned power only.

[2] Includes rented power, other than electric.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.										POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$867,215	$984,562	$4,143,688	$51,554	$129,420	$31,636,561	$20,587,323	$701,552	$64,689,045	$43,400,170	22,881	18,899	447	4	3,531	3,472	1
7,194	1,036	32,679	.....	1,236	122	23,632	1,031	77,756	53,093	46	.....	6	.....	40	.....	2
4,300	4,746	48,091	.....	11,436	233	43,883	3,727	179,657	132,047	59	.....	.....	.....	59	.....	3
16,760	51,920	158,318	.....	16,687	1,992	557,425	18,490	1,057,145	481,230	256	.....	.....	.....	256	3	4
.....	.....	2,000	.....	252	60	1,188	263	7,176	5,725	12	.....	.....	.....	12	.....	5
5,650	4,460	33,742	.....	4,540	512	63,757	1,859	155,084	89,468	42	.....	.....	.....	42	.....	6
34,952	8,797	175,297	.....	920	4,786	868,110	8,158	1,176,235	299,967	1,103	1,060	.....	.....	43	.....	7
17,912	20,929	142,485	.....	2,376	3,168	372,297	5,688	670,249	292,264	245	.....	.....	.....	245	.....	8
8,300	15,060	33,156	.....	276	2,600	720,161	5,158	814,527	89,208	365	290	.....	.....	75	.....	9
17,697	10,246	128,005	.....	4,570	2,182	129,450	5,610	329,970	194,910	302	55	44	.....	203	.....	10
4,000	832	57,798	.....	310	602	41,954	2,096	126,185	82,135	71	.....	.....	.....	71	.....	11
13,697	9,414	70,207	.....	4,260	1,580	87,496	3,514	203,785	112,775	231	55	44	.....	132	.....	12
3,000	5,152	23,071	.....	300	730	65,020	1,551	115,373	48,802	44	.....	.....	.....	44	3	13
11,499	8,623	61,344	.....	.....	2,868	32,970	23,810	210,846	154,066	545	545	.....	.....	.....	32	14
.....	873	11,455	.....	1,428	41	14,048	299	41,366	27,019	7	.....	.....	.....	7	.....	15
20,923	12,909	127,181	500	4,970	2,484	203,737	5,312	436,503	227,454	369	263	20	.....	86	115	16
19,180	12,990	143,366	16,271	3,215	1,810	183,636	5,193	455,920	267,091	467	400	.....	.....	67	340	17
.....	800	13,558	.....	1,700	410	20,661	830	65,028	43,537	26	.....	.....	.....	26	.....	18
1,620	36,286	2,912	.....	1,514	388	28,829	928	100,455	70,698	40	.....	.....	.....	40	.....	19
32,152	11,742	127,228	12,603	11,330	1,799	102,612	7,073	412,976	303,291	245	.....	85	.....	160	.....	20
12,880	71,173	140,140	12,935	7,510	1,353	136,915	6,934	607,108	463,259	228	.....	.....	.....	228	.....	21
7,160	63,200	140,140	.....	6,845	1,276	136,725	6,894	556,818	413,199	227	.....	.....	.....	227	.....	22
5,720	7,973	.....	12,935	665	77	190	40	50,290	50,060	1	.....	.....	.....	1	.....	23
1,560	2,520	19,332	.....	1,644	940	35,541	580	70,176	34,055	8	.....	.....	.....	8	.....	24
16,898	40,129	148,056	.....	6,013	3,096	3,630,740	23,878	3,894,416	239,798	657	622	.....	.....	35	13	25
6,795	17,242	172,038	.....	5,774	47,585	191,817	503	511,908	319,588	.....	.....	.....	.....	.....	.....	26
627,943	646,929	2,399,334	9,245	41,729	31,557,402	13,160,894	574,677	53,299,171	39,563,600	17,815	15,664	292	4	1,855	2,966	27

Food preparations..... 4
Furnishing goods, men's..... 1
Gas and electric fixtures..... 1
Gas, illuminating and heating..... 1
Glass, cutting, staining, and ornamenting..... 1
Grease and tallow..... 1
Hand stamps..... 2
Hardware..... 1
Hats, fur-felt..... 1
Liquors, distilled..... 5
Liquors, malt..... 3
Malt..... 2
Mattresses and spring beds..... 2
Models and patterns..... 2
Paper and wood pulp..... 3
Paper goods, not elsewhere specified. 1
Photo-engraving..... 1
Pickles, preserves, and sauces..... 2
Poultry, killing and dressing..... 1
Scales and balances..... 1
Signs and advertising novelties..... 3
Soap..... 1
Steam fittings and steam and hot-water heating apparatus..... 1
Stoves and hot-air furnaces, except gas and oil stoves..... 2
Structural ironwork..... 2
Tools, not elsewhere specified..... 2
Washing machines and clothes wringers 1
Wirework..... 1

$843,840	$693,783	$6,644,708	$170,481	$106,295	$216,567	$12,881,976	$531,555	$26,371,219	$12,957,688	21,039	12,696	270	1,310	6,763	4,138	1
2,300	.....	9,605	.....	300	149	10,012	465	32,824	22,347	15	2	7	.....	6	.....	2
.....	2,280	17,200	.....	400	165	19,370	490	52,000	32,140	13	.....	.....	.....	13	.....	3
.....	.....	1,540	.....	600	17	4,515	60	10,990	6,325	3	.....	.....	2	1	.....	4
8,000	9,490	106,110	250	9,052	1,053	305,899	12,895	552,226	233,432	106	.....	.....	.....	106	.....	5
1,040	2,216	20,185	.....	2,338	159	93,931	2,840	154,261	57,490	112	.....	.....	.....	112	.....	6
600	.....	17,351	.....	2,504	117	45,585	559	96,616	50,472	1	.....	.....	.....	1	.....	7
2,032	1,980	8,942	.....	350	818	83,094	3,150	106,505	20,261	333	.....	.....	125	208	.....	8
150,255	88,669	1,102,509	6,340	11,388	23,020	618,975	60,061	2,443,535	1,764,499	2,762	1,455	.....	140	1,167	1,125	9
95,061	112,224	1,357,778	6,625	1,530	35,001	2,231,699	61,660	4,584,923	2,291,564	4,550	3,423	.....	.....	1,127	25	10
81,400	45,106	777,308	118,855	11,550	26,183	2,059,548	51,026	3,907,248	1,796,674	1,778	960	9	.....	809	400	11
11,329	1,456	28,159	.....	280	409	43,509	1,921	94,767	49,337	200	.....	.....	.....	200	.....	12
6,970	2,560	14,555	125	880	296	59,316	1,061	106,171	45,794	23	.....	.....	.....	23	.....	13
2,460	2,400	5,918	.....	1,260	97	16,128	1,531	39,885	22,226	7	.....	.....	.....	7	.....	14
1,100	1,200	13,843	.....	2,016	14	11,464	390	45,320	33,466	13	.....	.....	3	10	.....	15
14,053	18,165	80,018	16,527	10,051	1,085	69,396	3,508	308,673	235,769	99	.....	.....	.....	99	.....	16
27,498	36,632	78,541	13,900	3,820	1,371	38,277	1,878	253,114	212,959	162	.....	.....	.....	162	.....	17
22,000	11,990	160,017	.....	999	3,793	222,401	7,190	480,100	250,509	290	35	.....	115	140	75	18
.....	.....	12,488	.....	828	4,167	14,998	200	44,972	29,774	1	.....	.....	.....	1	.....	19
6,921	1,231	23,008	114	877	417	14,226	1,818	57,424	41,350	58	.....	.....	10	48	.....	20
416,821	356,184	2,809,633	7,745	45,371	148,236	6,919,623	318,822	12,999,745	5,761,300	10,513	6,821	254	915	2,523	2,513	21

Hair work..... 1
Hardware..... 4
House-furnishing goods, not elsewhere specified..... 1
Ice, manufactured..... 2
Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills..... 1
Iron and steel forgings, not made in steel works or rolling mills..... 1
Labels and tags..... 1
Leather goods, not elsewhere specified 2
Leather, tanned, curried, and finished 1
Lime..... 1
Liquors, malt..... 1
Looking-glass and picture frames..... 1
Mattresses and spring beds..... 1
Mirrors, framed and unframed, not elsewhere specified..... 2
Musical instruments, pianos..... 1
Musical instruments, piano and organ materials..... 2
Paper and wood pulp..... 2
Patent medicines and compounds..... 5
Paving materials..... 1
Pens, fountain and stylographic..... 1
Perfumery and cosmetics..... 1
Photo-engraving, not done in printing establishments..... 1
Plated ware..... 1
Refrigerators..... 1
Saddlery and harness..... 1
Sewing-machine cases..... 1
Sewing machines and attachments..... 1
Shirts..... 1
Slaughtering and meat packing..... 1
Stamped and enameled ware, not elsewhere specified..... 1
Stoves, gas and oil..... 1
Tinware, not elsewhere specified..... 2
Varnishes..... 1
Wall plaster..... 2
Watchcases..... 1
Wirework..... 2
Woolen goods..... 1

[3] Same number reported for one or more other months.

[4] Same number reported throughout the year.

TABLE 44.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	Industry and city.	Number of establishments.	Persons engaged in the industry.										Wage earners Dec. 15, or nearest representative day.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.					Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.			Male.	Female.	Male.	Female.	
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
1	**SPRINGFIELD**—All industries	189	5,007	183	126	397	144	4,157	Ja	4,281	No	4,048	4,231	3,371	827	32	1	$9,084,957
2	Bread and other bakery products	17	129	24	2	2	18	83	Au [3]	87	Ja	75	83	79	4	.....	.....	177,613
3	Carriages and wagons	5	50	6	1	1	.....	42	My	46	No [3]	39	39	39	.....	.....	.....	91,625
4	Cars and general shop construction and repairs by steam-railroad companies.	4	352	.....	8	17	.....	327	Ja	358	Ap	305	315	315	.....	.....	.....	179,462
5	Confectionery and ice cream	9	64	12	1	11	19	21	Jy	29	Fe	14	19	18	1	.....	.....	82,264
6	Copper, tin, and sheet-iron work	14	79	16	5	2	2	54	Au	72	Fe	30	69	68	1	.....	.....	98,106
7	Foundry and machine-shop products.	11	172	12	6	11	6	137	My	156	Fe	117	125	119	6	.....	.....	415,563
8	Lumber, planing-mill products, not including planing mills connected with sawmills.	6	123	12	8	12	2	89	Au	104	Mh	68	94	94	.....	.....	.....	247,023
9	Mineral and soda waters	5	19	4	.....	.....	.....	15	Jy	25	No [3]	11	17	17	.....	.....	.....	30,550
10	Printing and publishing, job printing.	13	196	12	7	16	7	154	Oct	179	Je	139	149	113	35	1	.....	231,827
11	Printing and publishing, newspapers and periodicals.	12	453	9	20	120	44	260	No	265	Ja	250	260	229	17	14	.....	277,662
12	Saddlery and harness	3	14	3	.....	1	1	9	(4)	9	(4)	9	9	9	.....	.....	.....	49,298
13	Tobacco, cigars	31	153	26	3	4	.....	120	Se	128	De	115	117	100	6	11	.....	41,719
14	All other industries*	59	3,203	47	65	200	45	2,846	.....	.....	.....	.....	2,935	2,171	757	6	1	7,162,245

* All other industries embrace—

Agricultural implements	3	Boxes, cigar	1	Butter	1	Cleansing and polishing preparations	1
Artificial stone products	2	Boxes, wooden packing, except cigar boxes	1	Carpets, rag	1	Electrical machinery, apparatus, and supplies	1
Automobile repairing	1	Brick and tile, terra-cotta, and fire-clay products	1	Cars and general shop construction and repairs by electric-railroad companies	1	Engines, steam, gas, and water	1
Awnings, tents, and sails	2	Brooms	1	China decorating, not including that done in potteries	1	Engraving, steel and copper plate, including plate printing	2
Bookbinding and blank-book making	1	Brushes	1			Flour-mill and gristmill products	3
Boots and shoes, not including rubber boots and shoes	1						

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.[5]

1	ALTON	76	3,061	57	101	178	63	2,662	Mh	3,042	Au	2,279	2,621	2,488	120	13	.....	$8,695,046
2	AURORA	140	5,496	101	195	284	139	4,777	Ap	5,049	De	4,301	4,667	3,539	1,034	46	48	14,865,859
3	BELLEVILLE	129	2,869	124	132	130	33	2,450	Au	2,642	Ja	2,120	2,518	2,052	398	61	7	5,010,824
4	BLOOMINGTON	100	2,828	88	110	182	64	2,384	Au	2,524	My	2,245	2,397	2,161	221	12	3	5,482,721
5	CAIRO	61	1,769	44	65	100	38	1,522	Ap	1,761	No	1,113	1,525	1,482	42	.....	1	3,474,074
6	CANTON	34	1,113	34	26	114	19	920	Fe	1,747	Je	497	1,208	1,056	152	.....	.....	9,733,481
7	CENTRALIA	30	309	27	14	16	15	237	Se	255	No	221	234	152	81	1	.....	661,004
8	CHAMPAIGN	59	549	50	45	52	20	382	Jy [3]	425	Ja	311	374	324	49	1	.....	970,886
9	CHICAGO HEIGHTS	77	5,018	46	160	411	113	4,288	Ap	4,609	Au	3,754	4,629	4,430	185	7	7	20,350,251
10	DANVILLE	100	2,481	95	83	150	44	2,109	Fe	2,498	My	1,837	1 801	1 647	137	13	4	5,019,562
11	DECATUR	126	4,989	139	222	429	196	4,003	Je	4,223	De	3,747	4,076	3,410	493	137	36	12,549,629
12	ELGIN	91	5,974	68	133	156	88	5,529	Je	5,634	Au	5,425	5,567	3,300	2,195	25	47	17,371,339
13	EVANSTON	49	1,053	48	29	90	62	924	Au	978	My	859	910	885	24	.....	1	2,616,841
14	FREEPORT	63	3,013	47	77	212	111	2,566	Fe	2,854	No	2,188	2,615	2,417	176	22	.....	11,227,499
15	GALESBURG	60	1,672	47	82	119	62	1,362	Se	1,409	De	1,275	1,410	1,255	152	3	.....	2,488,391
16	GRANITE CITY	39	5,698	48	133	374	53	5,090	Mh	6,104	De	3,824	4,935	4,711	219	5	.....	18,866,840
17	JACKSONVILLE	63	1,162	67	44	92	27	932	Se	992	De	857	912	723	173	13	3	1,780,234
18	JOLIET	136	5,922	112	155	474	182	4,999	Ap	5,642	De	4,186	4,210	3,742	465	3	.....	28,928,406
19	KANKAKEE	53	1,574	49	48	26	21	1,430	Au	1,558	Ja	1,244	1,404	971	382	18	33	3,987,555
20	KEWANEE	31	3,261	34	86	241	63	2,837	Mh	3,065	De	2,696	2,703	2,346	331	11	15	8,446,158
21	LA SALLE	30	1,311	28	21	42	6	1,214	Se	1,270	Fe	1,156	1,121	1,089	7	25	.....	4,752,855
22	LINCOLN	40	327	44	18	19	7	239	Oc	258	De	211	248	228	18	2	.....	866,924
23	MATTOON	47	889	49	24	61	20	735	Ja	928	No	653	895	849	46	.....	.....	1,063,832
24	MOLINE	108	5,811	76	132	435	115	5,053	Ja	6,237	Jy	3,694	5,174	4,970	174	11	19	34,179,434
25	OAK PARK	47	366	47	11	20	20	268	Jy	288	Ja [3]	255	265	250	15	.....	.....	5,155,238
26	PEKIN	44	860	40	35	117	34	634	De	779	Jy	443	844	796	46	2	.....	6,606,840
27	QUINCY	194	3,983	150	195	436	141	3,067	Je	3,280	Fe	2,694	3,101	2,551	498	45	7	11,421,015
28	ROCK ISLAND	106	2,320	89	107	197	90	1,837	Fe	2,076	De	1,710	1,809	1,664	139	5	1	13,851,144
29	STREATOR	66	1,908	53	35	34	23	1,763	Je	2,037	Se	1,377	1,786	1,647	124	8	7	6,565,405
30	WAUKEGAN	48	2,744	41	76	278	73	2,276	Je	2,536	No	1,530	1,828	1,685	136	.....	7	16,010,080

[1] Owned power only. [2] Includes rented power, other than electric. [3] Same number reported for one or more other months.

OR MORE, BY INDUSTRIES, AND FOR CITIES OF 10,000 TO 50,000 INHABITANTS: 1914—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water-wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$298,428	$483,921	$2,534,503	$56,856	$95,138	$150,198	$5,592,067	$289,614	$11,769,969	$5,888,288	9,823	7,429	10	.....	2,384	1,039	1
1,400	8,636	55,686	150	5,235	1,353	202,053	7,928	369,958	159,977	102	.....	.....	.....	102	.....	2
1,275	180	28,354	.....	1,800	824	29,422	1,287	66,262	35,553	34	.....	.....	.....	34	.....	3
11,080	12,717	230,818	.....	.....	4,446	138,011	16,595	410,163	255,557	1,020	835	.....	.....	185	.....	4
1,040	15,688	14,721	.....	10,105	861	87,811	1,931	179,513	89,771	55	.....	.....	.....	55	.....	5
7,000	1,504	47,892	450	2,722	646	61,551	778	158,740	96,411	63	.....	.....	.....	63	.....	6
15,100	14,614	90,562	3,900	2,880	2,174	196,351	11,050	460,810	253,409	593	85	.....	.....	508	15	7
9,004	15,430	76,095	.....	640	1,549	124,748	1,845	262,284	135,691	282	250	.....	.....	32	.....	8
.....	.....	9,634	.....	630	229	12,640	252	31,820	18,928	12	.....	.....	.....	12	7	9
12,260	15,167	88,156	2,403	11,446	6,967	117,257	3,594	312,822	191,971	113	.....	.....	.....	113	.....	10
42,780	106,120	100,188	35,881	12,579	3,101	110,849	5,917	606,073	489,307	265	.....	.....	.....	265	.....	11
.....	1,560	6,280	.....	1,200	156	18,100	92	32,469	14,277	5	.....	.....	.....	5	.....	12
4,666	2,180	65,002	.....	4,802	17,996	66,874	158	189,980	122,948	.....	.....	.....	.....	.....	.....	13
192,823	290,125	1,721,115	14,072	41,099	109,896	4,426,400	238,187	8,689,075	4,024,488	7,279	6,259	10	.....	1,010	1,017	14

Food preparations, not elsewhere specified..... 2
Furnishing goods, men's..... 1
Gas and electric fixtures..... 1
Gas, illuminating and heating..... 1
Hair work..... 1
Hand stamps..... 1
Hats, wool-felt..... 1
Ice, manufactured..... 2
Jewelry..... 1
Lamps and reflectors..... 2
Liquors, malt..... 1
Marble and stone work..... 1
Mattresses and spring beds, not elsewhere specified..... 1
Monuments and tombstones..... 1
Patent medicines and compounds..... 2
Photo-engraving, not done in printing establishments..... 1
Sausage, not made in slaughtering and meat-packing establishments..... 2
Smelting and refining, zinc..... 1
Trunks and valises..... 1
Varnishes..... 1
Watch and clock materials..... 3
Watches..... 1
Window and door screens and weather strips..... 2
Wool-shoddy..... 1

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.[5]																
$253,366	$272,404	$1,758,613	$10,718	$24,129	$64,555	$8,194,723	$409,635	$12,864,532	$4,260,174	8,335	6,191	981	.....	1,163	709	1
374,913	524,949	3,032,800	6,043	51,576	239,594	5,059,577	199,890	10,789,383	5,529,916	7,794	4,311	173	150	3,160	1,538	2
249,344	142,923	1,409,914	3,108	11,774	144,072	2,784,242	121,697	5,727,269	2,821,330	4,447	2,426	56	135	1,830	516	3
194,650	176,922	1,539,787	22,968	26,425	32,976	1,951,107	132,557	4,803,808	2,720,144	4,579	1,419	15	.....	3,145	279	4
125,338	123,952	852,613	50	17,571	50,615	2,984,710	61,421	4,583,539	1,537,408	5,222	4,[illegible]95	43	.....	714	1,388	5
53,708	110,742	829,027	.....	8,440	39,405	1,079,134	46,850	2,576,965	1,450,981	5,807	5,690	.....	.....	117	.....	6
19,580	20,420	123,103	28	3,273	8,066	422,928	22,324	767,533	322,281	1,212	1,025	3	.....	184	11	7
51,468	42,869	242,897	1,642	16,434	10,858	586,947	46,174	1,244,696	611,575	1,125	509	54	.....	562	.....	8
524,264	630,684	2,946,921	43,778	46,570	64,556	7,148,608	535,914	14,485,569	6,801,047	21,002	15,284	214	.....	5,504	8,122	9
129,363	191,177	1,345,873	5,164	33,168	60,236	2,789,855	138,301	5,291,160	2,363,004	4,735	4,035	124	.....	576	1,550	10
441,931	598,014	2,323,640	9,315	55,891	81,152	6,426,575	239,171	11,957,406	5,291,660	10,634	5,040	251	.....	5,343	3,056	11
374,837	211,015	3,320,500	7,788	23,885	134,013	4,132,814	138,084	10,491,829	6,220,931	5,956	4,416	160	539	841	1,866	12
200,350	32,331	656,208	77,076	12,514	15,629	2,350,040	88,638	3,984,824	1,546,146	2,249	360	36	.....	1,853	.....	13
172,360	327,515	1,661,047	30,925	30,478	65,474	3,762,626	146,984	7,446,977	3,537,367	4,600	3,648	125	.....	827	1,527	14
119,659	143,018	941,267	300	20,669	27,555	1,396,473	118,157	3,192,129	1,677,499	1,984	1,327	84	.....	573	10	15
375,983	496,394	4,007,135	.....	44,688	117,199	9,335,533	509,739	17,903,162	8,057,890	17,556	17,116	2	.....	438	11,740	16
62,937	109,295	499,388	125	9,558	30,253	1,300,680	59,564	2,355,192	994,048	2,855	963	42	.....	1,850	112	17
397,384	677,881	3,568,772	4,865	30,357	283,954	15,130,889	4,905,610	30,091,415	10,054,916	45,918	26,826	12,043	141	6,908	17,297	18
70,432	29,664	762,975	.....	9,620	55,956	1,587,629	116,180	3,193,020	1,489,211	3,543	2,984	10	.....	549	403	19
201,461	298,607	1,576,354	1,760	6,767	46,878	2,533,106	152,684	5,446,615	2,760,825	5,394	4,168	47	.....	1,179	3,271	20
107,348	88,587	817,018	.....	6,751	31,896	3,071,928	412,142	5,245,780	1,761,710	8,342	7,238	.....	.....	1,104	2,937	21
22,251	16,734	134,270	308	7,879	7,558	260,864	22,829	560,637	276,944	506	368	35	.....	103	.....	22
39,996	64,047	471,224	40	10,242	10,726	635,538	57,660	1,543,727	850,529	2,305	536	6	.....	1,763	5	23
448,967	682,087	3,509,619	43,370	46,100	166,472	10,086,544	300,794	19,925,106	9,537,768	12,200	6,642	32	.....	5,526	7,010	24
21,059	29,536	240,524	34,873	10,865	5,197	264,825	227,632	1,555,083	1,062,626	1,113	826	.....	.....	287	15	25
122,585	154,028	492,002	21,200	4,156	4,120,177	3,846,887	125,266	9,609,500	5,637,347	6,628	6,044	104	2	478	4,127	26
311,944	495,323	1,863,154	46,320	52,618	217,379	4,239,637	194,956	9,556,918	5,122,325	6,297	4,167	52	.....	2,078	530	27
235,057	285,084	1,376,901	64,509	21,231	148,589	3,318,219	92,714	6,487,859	3,076,926	5,430	1,958	28	.....	3,444	1,142	28
81,209	62,379	1,040,007	75	8,427	47,280	1,250,297	512,196	3,886,617	2,124,124	5,823	4,965	46	.....	812	3,006	29
183,476	327,943	1,776,669	3,251	12,063	74,034	7,080,963	549,495	12,438,514	4,808,058	18,663	18,112	.....	.....	551	2,348	30

[1] Same number reported throughout the year.

[5] Excludes statistics for Cicero, to avoid disclosure of individual operations.