

# MISSOURI.

## GENERAL STATISTICS.

**General character of the state.**—Missouri was admitted to the Union as a state in 1821. With a gross area of 69,420 square miles, of which 68,727 represent land surface, it ranks eighteenth in size among the states. The inhabitants of Missouri in 1900 numbered 3,106,665, and in 1910, 3,293,335; and its estimated population in 1914 was 3,373,000. In total population Missouri ranked seventh among the states in 1910; and in density of population it ranked eighteenth, with 47.9 inhabitants per square mile, the corresponding figure for 1900 being 45.2.

The urban population in 1910—that is, the population residing in incorporated places of 2,500 or more—was 1,398,817, or 42.5 per cent of the total, as against 36.3 per cent in 1900. There were in the state in 1914, 14 cities, each with an estimated population of more than 10,000: Cape Girardeau, Columbia, Hannibal, Independence, Jefferson City, Joplin, Kansas City, Moberly, St. Charles, St. Joseph, St. Louis, Sedalia, Springfield, and Webb City. The aggregate population of these cities formed 38.3 per cent of the estimated population of the state.

With the exception of portions of the south central part, the transportation facilities of Missouri are excellent, St. Louis and Kansas City being among the greatest railway centers of the country. The steam-railway mileage in 1914 was 8,224, and the electric-railway

mileage in 1912 was 921. The Mississippi and Missouri Rivers provide exceptionally good facilities for water transportation.

According to the annual report of the United States Geological Survey, the total output of the mines and quarries of Missouri in 1914 was valued at \$48,597,593, the leading products being lead, zinc, and coal. The state ranked eleventh in that year in total value of mineral output and first in production of lead and zinc.

The value of merchandise imported through the St. Louis customs district in 1914 was \$9,583,659.

**Importance and growth of manufactures.**—Missouri's manufactured products in 1914 were valued at \$637,952,128, and the average number of wage earners employed in its manufacturing industries was 152,182. In that year it ranked eleventh among the states both in value of products and average number of wage earners, producing 2.6 per cent of the manufactured products and reporting 2.2 per cent of the total wage earners shown for the United States. The corresponding percentages for 1909 were 2.8 and 2.3 and for 1904 were 3 and 2.4 per cent, respectively.

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

	MANUFACTURING INDUSTRIES.				PER CENT OF INCREASE. <sup>1</sup>		
	1914	1909	1904	1899	1909-1914	1904-1909	1899-1904
Number of establishments.....	8,386	8,375	6,464	6,853	0.1	29.6	-5.7
Persons engaged.....	188,266	185,705	156,585	( <sup>2</sup> )	1.4	18.6	.....
Proprietors and firm members.....	7,698	8,226	6,299	( <sup>2</sup> )	-6.4	30.6	.....
Salaried employees.....	28,356	24,486	17,119	12,474	15.9	43.0	37.2
Wage earners (average number).....	152,182	152,993	133,167	107,704	-0.5	14.9	23.6
Primary horsepower.....	391,385	340,467	247,861	189,117	15.0	37.4	31.1
Capital.....	\$522,548,083	\$444,343,135	\$379,368,827	\$223,781,088	17.6	17.1	69.5
Salaries and wages.....	126,494,933	109,836,698	85,646,364	60,008,556	15.2	28.2	42.7
Salaries.....	37,297,456	28,993,922	19,002,238	13,294,822	28.6	52.6	42.9
Wages.....	89,197,477	80,842,776	66,644,126	46,713,734	10.3	21.3	42.7
Paid for contract work.....	2,602,416	2,667,451	2,649,428	( <sup>2</sup> )	-2.4	0.7	.....
Rent and taxes (including internal revenue).....	18,023,569	14,617,099	3,681,955	( <sup>2</sup> )	23.3	.....	.....
Cost of materials.....	388,714,859	354,411,151	252,258,417	184,189,030	9.7	40.0	37.0
Value of products.....	637,952,128	574,111,070	439,548,957	316,304,095	11.1	30.6	39.0
Value added by manufacture (value of products less cost of materials).....	249,237,269	219,699,919	187,290,540	132,115,065	13.4	17.3	41.8

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Figures not available.

<sup>3</sup> Exclusive of internal revenue.

This table shows an increase from census to census in the value of the manufactures of the state, although the rate of increase was smaller for each succeeding five-year period—39 per cent from 1899 to 1904, 30.6 per cent from 1904 to 1909, and 11.1 per cent from 1909 to 1914.

During the period 1909-1914 the capital invested increased by \$78,204,948, or 17.6 per cent; the amount paid for salaries and wages, by \$16,658,235, or 15.2 per

cent; the value of products, by \$63,841,058, or 11.1 per cent; and the value added by manufacture, which best represents the importance of the manufactures as described in the "Explanation of terms," increased by \$29,537,350, or 13.4 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.

INDUSTRY.	CENSUS OF 1914.						PER CENT OF INCREASE. <sup>1</sup>									
	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.....	8,386	152,182	100.0	\$637,952,123	100.0	\$249,237,269	100.0	-0.5	14.9	23.6	11.1	30.6	39.0	13.4	17.3	41.8
Slaughtering and meat packing.....	40	5,200	3.4	92,060,499	14.4	7,376,434	3.0	11.3	10.3	35.6	15.7	32.4	39.3	-0.1	22.8	51.0
Boots and shoes, including cut stock and findings.....	54	14,740	9.7	52,522,006	8.2	15,390,628	6.2	-15.3	66.5	75.1	7.7	107.1	105.5	8.3	65.5	157.7
Flour-mill and gristmill products.....	641	2,096	1.4	38,636,309	6.1	5,423,920	2.2	-4.6	-6.3	54.6	-13.1	17.0	59.6	-4.5	11.5	34.2
Tobacco manufactures.....	431	3,997	2.6	33,330,843	5.2	19,319,470	7.8	-10.2	-15.3	0.5	7.9	0.2	10.9	34.1	-23.9	3.9
Printing and publishing.....	1,353	10,571	6.9	33,173,414	5.2	23,602,183	9.5	-2.0	10.6	21.2	11.9	21.5	47.6	12.3	19.4	53.6
Liquors, malt.....	32	5,947	3.9	31,801,404	5.0	24,428,671	9.8	5.3	1.4	76.8	15.9	13.6	75.3	22.9	11.0	67.2
Foundry and machine-shop products.....	356	8,449	5.6	22,270,635	3.5	11,748,725	4.7	13.5	4.0	-----	11.5	36.0	-----	8.6	25.5	-----
Bread and other bakery products.....	1,043	5,260	3.5	19,040,499	3.1	9,733,693	3.9	11.1	26.0	66.3	7.6	46.2	74.0	27.1	42.7	58.6
Lumber and timber products.....	956	5,106	6.0	18,396,838	2.9	9,934,182	4.0	-32.0	6.8	11.2	-20.9	26.8	11.7	-21.1	6.0	39.4
Clothing, men's, including shirts.....	90	8,140	5.3	17,300,109	2.7	7,263,972	2.9	1.8	31.7	-12.9	12.3	49.2	5.4	14.6	32.4	11.1
Coffee and spice, roasting and grinding.....	37	656	0.4	14,299,135	2.2	3,350,217	1.3	-10.1	31.8	11.0	18.5	66.1	37.9	16.7	35.4	120.0
Cars and general shop construction and repairs by steam-railroad companies.....	39	9,721	6.4	12,847,379	2.0	7,475,468	3.0	19.7	20.1	21.1	30.9	12.5	33.7	31.5	23.4	31.5
Patent medicines and compounds and druggists' preparations.....	212	1,090	0.7	9,010,409	1.4	6,084,042	2.4	11.2	6.1	-2.8	18.0	38.6	10.8	19.2	44.7	1.0
Copper, tin, and sheet-iron products.....	195	2,506	1.6	8,339,552	1.3	3,621,014	1.5	-5.0	18.9	144.8	7.2	36.8	-----	12.1	32.8	-----
Food preparations, not elsewhere specified.....	54	629	0.4	7,793,604	1.2	1,646,404	0.7	33.5	-17.5	18.0	44.8	79.3	10.0	45.7	19.7	20.9
Furniture and refrigerators.....	100	3,346	2.2	7,693,343	1.2	4,075,814	1.6	-2.4	23.4	6.7	3.1	52.6	26.1	0.6	42.2	29.7
Confectionery.....	100	2,520	1.7	7,255,593	1.1	3,165,516	1.3	33.9	5.8	-4.7	9.0	43.8	-6.2	16.2	38.4	13.8
Gas, illuminating and heating.....	35	1,342	0.9	7,196,994	1.1	5,054,085	2.0	42.6	-48.5	118.9	55.2	-17.0	94.1	48.0	-10.3	79.5
Chemicals.....	22	842	0.6	6,936,122	1.1	2,772,252	1.1	36.0	-3.3	88.2	90.6	11.0	81.8	95.8	27.9	136.5
Carriages and wagons and materials.....	223	2,560	1.7	6,850,955	1.1	3,019,396	1.2	-22.5	4.4	5.8	-19.1	10.3	19.1	-16.3	5.6	2.8
Stoves, hot-air furnaces, and ranges.....	15	1,714	1.1	6,644,251	1.0	4,305,848	1.7	-----	-----	-----	-----	-----	-----	-----	-----	-----
Electrical machinery, apparatus, and supplies.....	19	2,560	1.7	6,643,210	1.0	4,227,457	1.7	141.5	33.3	49.2	104.3	86.7	91.1	96.9	89.2	104.1
Brick, tile, pottery, and other clay products.....	93	5,196	3.4	6,517,288	1.0	4,520,383	1.8	-15.3	26.0	20.3	-15.9	36.3	55.7	-20.1	32.8	51.7
Leather goods.....	133	1,419	0.0	5,859,229	0.9	2,680,046	1.1	-21.8	2.2	30.3	-10.0	21.4	50.6	-1.3	9.7	50.8
Paint and varnish.....	34	599	0.4	5,791,895	0.9	2,042,162	0.8	-12.6	13.4	17.3	-15.2	6.7	40.5	-4.1	28.1	39.0
Clothing, women's.....	74	2,355	1.5	5,517,015	0.9	2,482,862	1.0	-14.4	47.6	-9.9	1.4	63.7	6.3	9.9	48.3	9.9
Butter.....	54	351	0.2	5,167,343	0.8	800,031	0.3	127.0	7.4	100.0	74.6	125.2	204.2	73.9	63.7	172.8
Soap.....	9	521	0.3	4,919,685	0.8	2,103,865	0.8	-6.0	1.1	-----	4.3	51.6	-----	28.7	34.0	-----
Glass.....	7	2,248	1.5	3,882,420	0.6	2,307,632	0.9	28.1	12.4	140.2	94.8	11.9	132.5	120.6	-2.5	100.9
Wirework, including wire rope and cable.....	21	741	0.5	3,484,293	0.5	2,151,801	0.9	4.4	21.6	69.3	2.6	45.4	94.0	29.5	50.8	140.6
Iron and steel, steel works and rolling mills.....	3	1,237	0.8	3,362,955	0.5	1,476,375	0.6	-44.5	65.1	-15.9	-32.9	67.2	-6.3	-31.5	52.7	-11.5
Ice, manufactured.....	117	1,059	0.7	3,106,895	0.5	2,065,730	0.8	39.2	75.8	55.2	49.1	34.4	76.3	45.8	93.8	76.1
Brass and bronze products.....	13	333	0.3	3,047,306	0.5	608,864	0.2	29.0	51.5	-26.0	37.2	45.4	19.4	7.4	65.3	10.6
Marble and stone work.....	175	905	0.6	2,710,440	0.4	1,435,794	0.6	-32.6	52.2	34.0	-21.1	49.3	86.5	-28.0	42.3	93.5
Leather, tanned, curried, and finished.....	10	227	0.1	2,572,987	0.4	531,377	0.2	3.2	1.4	17.3	26.4	80.4	38.1	21.9	10.7	51.5
Poultry, killing and dressing.....	10	172	0.1	2,387,146	0.4	242,684	0.1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Automobiles, including bodies and parts.....	25	504	0.3	2,182,911	0.3	976,087	0.4	37.0	-----	-----	30.2	-----	-----	49.7	-----	-----
Millinery and lace goods.....	33	908	0.6	2,162,822	0.3	1,098,329	0.4	-2.8	206.2	-27.0	31.3	267.6	-1.8	44.1	262.9	20.0
Confectionery (ice cream).....	54	334	0.2	1,995,834	0.3	830,188	0.3	-----	-----	-----	-----	-----	-----	-----	-----	-----
Cooperage and wooden goods, not elsewhere specified.....	39	852	0.6	1,888,484	0.3	726,831	0.3	-21.7	-38.9	44.2	-38.7	-17.1	77.9	-38.2	-18.7	55.5
Cars and general shop construction and repairs by electric-railroad companies.....	8	1,168	0.8	1,710,323	0.3	875,891	0.4	20.1	-3.2	112.5	42.1	-0.6	124.3	24.6	-2.5	132.6
Paper goods, not elsewhere specified.....	12	578	0.4	1,631,645	0.3	755,988	0.3	32.9	43.6	332.9	32.4	54.2	-----	50.2	43.1	-----
Boxes, fancy and paper.....	32	1,092	0.7	1,636,058	0.3	888,656	0.4	-1.9	31.4	28.7	18.9	78.7	57.8	25.7	73.7	25.6
Mineral and soda waters.....	195	555	0.4	1,623,220	0.3	997,263	0.4	20.1	-4.5	-----	25.6	10.7	-----	9.5	11.0	-----
Furnishing goods, men's.....	16	873	0.6	1,573,650	0.2	578,994	0.2	186.2	-----	-----	80.4	-----	-----	70.0	-----	-----
Awnings, tents, and sails.....	21	428	0.3	1,551,537	0.2	560,299	0.2	-0.2	38.8	-15.6	-13.0	44.2	25.6	-2.9	39.7	-8.8
Jewelry.....	28	461	0.3	1,085,075	0.2	687,906	0.3	22.6	49.2	49.1	24.6	48.2	77.4	25.1	55.4	57.3
Canning and preserving.....	153	850	0.6	1,081,590	0.2	341,618	0.1	-10.7	25.6	-9.8	-31.3	19.0	-----	-40.0	20.0	-----
Coffins, burial cases, and undertakers' goods.....	8	436	0.3	1,038,077	0.2	452,213	0.2	-19.3	11.3	38.6	-33.7	25.6	60.8	-42.7	31.9	111.3
Flavoring extracts.....	12	109	0.1	1,014,583	0.2	437,349	0.2	25.0	-9.1	7.3	55.7	31.7	73.8	16.2	53.6	98.2
Photographic materials.....	5	191	0.1	1,003,790	0.2	577,191	0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
All other industries.....	940	22,337	14.7	95,331,443	15.0	29,928,469	12.0	-----	-----	-----	-----	-----	-----	-----	-----	-----

<sup>1</sup> Percentages are based on figures in Table 36; 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 51 industries, or industry groups, for each of which products valued at more than \$1,000,000 were reported for 1914. These industries include 2 with products valued at more than \$50,000,000, 4 with products between \$30,000,000 and \$50,000,000, 6 with products between \$12,000,000 and \$30,000,000, 15 with products

between \$5,000,000 and \$10,000,000, 11 with products between \$2,000,000 and \$5,000,000, and the remaining 13 with products between \$1,000,000 and \$2,000,000. In addition to those industries shown, there are 14 with products valued at more than \$1,000,000 included in "all other industries" in order to avoid the possibility of disclosing individual operations; the

most important of these are the manufacture of steam-railroad cars, not including the operations of railroad companies; bags, other than paper; cement; explosives; and the smelting and refining of lead and the refining of petroleum.

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.

Slaughtering and meat packing as measured by the value of products is the most important industry in this state. Though first in value of products, the industry ranked ninth in number of wage earners and value added by manufacture. The boot and shoe industry ranked second in value of products, first in number of wage earners, and fourth in value added by manufacture. Printing and publishing, the fifth industry as measured by value of products, is second in number of wage earners and value added by manufacture. Malt liquors, ranking sixth, and tobacco manufactures, ranking fourth in value of products, are first and third, respectively, as measured by value added by manufacture; for both of these industries, however, it should be remembered that the amount paid for internal revenue is included in the value of products. Foundry and machine-shop products ranks seventh in value of products and fifth in both number of wage earners and value added by manufacture.

The industries in the table showing the greatest relative increases in value of products from 1909 to 1914 are electrical machinery, apparatus, and supplies, increasing 104.3 per cent; the manufacture of glass, 94.8 per cent; the manufacture of chemicals, 90.6 per cent; men's furnishing goods, 89.4 per cent; and paper goods, not elsewhere specified, 82.4 per cent.

Although certain industries predominate, it will be seen from Table 2 that there is a considerable diversity in the manufacturing activities of the state. The most important industries call for brief consideration.

*Slaughtering and meat packing.*—This industry includes wholesale slaughtering and meat-packing establishments and also 9 establishments, with products valued at \$452,378, engaged primarily in the manufacture of sausage. Missouri is one of the principal cattle and hog raising states. According to the census of agriculture of 1909, there were 1,596,294 cattle and calves and 5,374,746 swine sold and slaughtered during the year. The abundance of food animals in this and adjoining states has fostered the slaughtering industry, and the state ranked fifth among the states in the value of products for the industry in 1914. The industry is largely centralized in the stockyards of South St. Joseph and St. Louis.

*Boots and shoes, including cut stock and findings.*—This classification includes not only the manufacture of boots and shoes but also the manufacture of boot and shoe cut stock and findings. The 54 establishments shown in the table include 48 making boots and

shoes, 1 making moccasins, 3 manufacturing cut stock, and 2 findings.

The industry, all branches combined, ranked second among the industries in the state in value of products in both 1914 and 1909, and gave employment to the largest number of wage earners, 14,740, or 9.7 per cent of the total number reported for all industries in 1914. The value of products and value added by manufacture both increased during the five-year period. The increase shown for the period 1909-1914 is due to the increase in the value of products of those establishments making cut stock and findings, as the product of the boot and shoe factories decreased during the period. St. Louis, however, is one of the principal centers of the boot and shoe industry in the country, and there are large establishments in a number of the other cities of the state.

*Flour-mill and gristmill products.*—This industry does not include statistics for the small custom mills grinding exclusively for local consumption. Notwithstanding the decrease shown for the period 1909-1914 the industry ranked third in both 1914 and 1909, as measured by value of products. The number of wage earners employed and the value added by manufacture, as compared with other industries, are relatively small, because the processes are largely performed by machinery and comparatively few wage earners are required.

*Tobacco manufactures.*—In 1914 this industry included 15 establishments engaged primarily in the manufacture of chewing and smoking tobacco, 415 in the manufacture of cigars, and 1 in the manufacture of cigarettes. The 431 establishments gave employment to 2.6 per cent of the total number of wage earners in all industries in the state, reported 5.2 per cent of the total value of products and 7.8 per cent of the value added by manufacture. The increase in value of products for the period 1909-1914 amounted to 7.9 per cent and in value added by manufacture to 34.1 per cent.

*Printing and publishing.*—This classification includes establishments engaged in printing and publishing; bookbinding and blank-book making; engraving, steel and copper plate, including plate printing; and lithographing. These industries combined rank fifth in value of products and second in both average number of wage earners and value added by manufacture. As compared with 1909, the number of wage earners reported in 1914 shows a decrease, but the value of products and value added by manufacture show substantial increases, 11.9 per cent and 12.3 per cent, respectively.

*Liquors, malt.*—Missouri ranked fifth in the value of malt liquors manufactured in 1909, but in 1914 it held sixth place. The industry held the same relative rank at the two censuses (fifth and sixth) among the industries of the state. Notwithstanding these proportional decreases, there was an actual increase during the five-year period 1909-1914 of \$4,354,900, or 15.9

per cent, in value of products; \$4,549,923, or 22.9 per cent, in value added by manufacture; and 301, or 5.3 per cent, in average number of wage earners employed.

The high ranking of the malt-liquor industry in value of products and value added by manufacture is due in large part to the fact that these items include the amount of internal-revenue taxes paid, for which reason the value added by manufacture represents much more than the value actually added to the materials by the manufacturing processes. As a result, the importance of the industry, as measured by either value of products or value added by manufacture, is considerably exaggerated.

*Foundry and machine-shop products.*—In addition to the foundries and machine shops, this industry includes the repairs to automobiles; the manufacture of bells; engines; gas machines, and gas and water meters; hardware; saddlery hardware; plumbers' supplies; steam fittings; and the fabrication of structural iron and steel. The industry as a whole ranks seventh in value of products and fifth in average number of wage earners for 1914 among the industries of the state. The number of establishments increased from 329 to 356 during the period from 1909 to 1914; there was also an increase of 13.5 per cent in the average number of wage earners, 11.5 per cent in value of products, and 8.6 per cent in value added by manufacture.

*Bread and other bakery products.*—In addition to establishments supplying the local trade, the location in Kansas City and St. Louis of large wholesale bakeries increases the importance of this industry, which ranks eighth in the state when measured by value of products. The industry gave employment to 5,269 wage earners and reported products valued at \$19,940,499. These figures show increases over 1909 of 11.1 per cent and 7.6 per cent, respectively.

*Lumber and timber products.*—Under this head are included statistics for logging and sawmill operations, for planing mills, and establishments manufacturing wooden packing boxes and window and door screens and weather strips. The industry gave employment during the year 1914 to an average of 9,196 wage earners, with products valued at \$18,396,838. These figures represent 6 per cent and 2.9 per cent of the respective totals reported for all manufacturing industries of the state. The decreases in number of establishments, average number of wage earners, value of products, and value added by manufacture are due to a depression in the industry during 1914 and also to some extent to the fact that some of the smaller mills reported as engaged in merchant sawing in 1909 were doing only custom work in 1914 and, therefore, were not enumerated. Mills engaged exclusively in custom sawing for the immediate neighborhood should not be included in the census of manufactures, but it is not always possible to conduct the canvass in regard to the omission of these establishments on uniform lines in all sections of the country at different censuses.

*Clothing, men's, and clothing, women's.*—These industries include the manufacture of men's outer clothing and shirts and also the manufacture of suits, skirts, cloaks, shirt waists, dresses, undergarments, petticoats, and wrappers for women's wear.

The manufacture of men's clothing ranks tenth among the industries of Missouri, contributing 2.7 per cent of value of products and giving employment to 5.3 per cent of all wage earners reported. The combined industries employed 10,495 wage earners and reported products valued at \$22,817,124, representing 6.9 per cent and 3.6 per cent, respectively, of the totals for the state. Both industries show increases in 1914 as compared with 1909, except in number of wage earners reported for the manufacture of women's clothing.

*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."

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.			Per cent of total.	
		Total.	Male.	Female.	Male.	Female.
All classes .....	1914	188,266	150,451	37,815	79.9	20.1
	1909	185,705	150,750	34,955	81.2	18.8
Proprietors and officials.....	1914	14,809	14,340	469	96.8	3.2
	1909	14,820	14,423	397	97.3	2.7
Proprietors and firm members..	1914	7,698	7,426	272	96.5	3.5
	1909	8,226	7,989	237	97.1	2.9
Salaried officers of corporations..	1914	3,328	3,209	119	96.4	3.6
	1909	3,010	2,924	86	97.1	2.9
Superintendents and managers..	1914	3,783	3,705	78	97.9	2.1
	1909	3,584	3,510	74	97.9	2.1
Clerks and other subordinate salaried employees.	1914	21,275	16,483	4,792	77.5	22.5
	1909	17,892	14,061	3,831	78.6	21.4
Wage earners (average number).....	1914	152,182	119,628	32,554	78.6	21.4
	1909	152,993	122,266	30,727	79.9	20.1
16 years of age and over .....	1914	150,390	118,650	31,740	78.9	21.1
	1909	149,175	119,980	29,195	80.4	19.6
Under 16 years of age.....	1914	1,792	978	814	54.6	45.4
	1909	3,818	2,286	1,532	59.9	40.1

Of the total number of persons employed in 1914, 152,182, or 80.8 per cent, were wage earners, and of this number, 78.6 per cent were males. The proportions of females engaged in the manufactures show increases over 1914 for every class, except for superintendents and managers. The largest proportions of females shown were for clerks and other subordinate salaried employees, 22.5 per cent, and wage earners, 21.4 per cent.

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 increase of 1.4 per cent in number of persons engaged in the manufactures of the state during

the period 1909 to 1914 is due to the increase in the number of females. Of the classes shown, the largest increases are for salaried officers of corporations, 10.6 per cent, and for clerks and other subordinate salaried employees, 18.9 per cent. The number of female employees increased in every class, except

wage earners under 16 years of age. There has been a marked decrease in the employment of child labor, the number decreasing from 3,818 in 1909 to 1,792 in 1914, or 53.1 per cent. The proportion of wage earners under 16 decreased from 2.1 per cent in 1909 to nine-tenths of 1 per cent in 1914.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.								
	Per cent of increase, <sup>1</sup> 1909-1914.			Per cent distribution.					
	Total.	Male.	Female.	Total.		Male.		Female.	
				1914	1909	1914	1909	1914	1909
All classes.....	1.4	-0.2	8.2	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials.....	-0.1	-0.6	18.1	7.9	8.0	9.5	9.6	1.2	1.1
Proprietors and firm members.....	-6.4	-7.0	14.8	4.1	4.4	4.9	5.3	0.7	0.7
Salaried officers of corporations.....	10.6	9.7	.....	1.8	1.6	2.1	1.9	0.3	0.2
Superintendents and managers.....	5.6	5.6	.....	2.0	1.9	2.5	2.3	0.2	0.2
Clerks and other subordinate salaried employees.....	18.9	17.2	25.1	11.3	9.6	11.0	9.3	12.7	11.0
Wage earners (average number).....	-0.5	-2.2	5.9	80.8	82.4	79.5	81.1	56.1	57.9
16 years of age and over.....	0.8	-1.1	8.7	79.9	80.3	78.9	79.6	53.9	53.5
Under 16 years of age.....	-53.1	-57.2	-46.9	0.9	2.1	0.6	1.5	2.2	4.4

<sup>1</sup> 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. <sup>1</sup>	
	1914	1909	1904	1914	1909	1904	1909-1914	1904-1909
Total.....	188,266	185,705	156,585	100.0	100.0	100.0	1.4	18.6
Proprietors and firm members.....	7,698	8,226	6,299	4.1	4.4	4.0	-6.4	30.6
Salaried employees.....	28,386	21,486	17,119	15.1	13.2	10.9	15.9	43.0
Wage earners (average).....	152,182	152,993	133,167	80.8	82.4	85.0	-0.5	14.9

<sup>1</sup> A minus sign (-) denotes decrease.

This table shows an increase in the total number of employees for each of the five-year periods, the increase for the decade being 20.2 per cent. Proprietors and firm members decreased 6.4 per cent during the later five-year period, while salaried employees increased. This is partly due to the fact that some establishments operated by individuals or firms in 1909 became incorporated between the censuses. It is probable that some of the persons reported as proprietors or firm members of such establishments in 1909 were reported as salaried officials 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. <sup>1</sup>	Per cent of total.		
			16 years of age and over.		Under 16 years of age.
			Male.	Female.	
All industries.....	1914 1909 1904	152,182 152,993 133,167	79.0 78.4 79.5	19.9 19.1 17.1	1.1 2.5 3.4
Boots and shoes, including cut stock and findings.....	1914 1909	14,740 17,396	63.6 60.6	35.1 31.8	1.3 7.6
Boxes, fancy and paper.....	1914 1909	1,092 1,113	29.0 28.6	63.0 62.1	8.0 11.3
Bread and other bakery products.....	1914 1909	5,269 4,743	65.5 68.1	33.2 29.0	1.3 2.8
Brick, tile, pottery, and other clay products.....	1914 1909	5,196 6,137	99.3 98.4	0.2 0.1	0.5 1.5
Carriages and wagons and materials.....	1914 1909	2,560 3,302	98.2 97.5	1.5 2.2	0.2 0.4
Cars and general shop construction and repairs by electric-railroad companies.....	1914 1909	1,168 905	99.9 99.6	0.1 0.1	..... 0.3
Cars and general shop construction and repairs by steam-railroad companies.....	1914 1909	9,721 8,121	99.9 99.0	0.1 0.1	..... .....
Clothing, men's, including shirts.....	1914 1909	8,140 7,994	22.6 21.5	76.1 76.4	1.3 2.1
Clothing, women's.....	1914 1909	2,355 2,750	20.6 18.7	77.1 79.1	2.3 2.2
Confectionery.....	1914 1909	2,520 1,882	37.9 38.6	61.1 59.4	1.0 2.1
Copper, tin, and sheet-iron products.....	1914 1909	2,506 2,037	85.2 91.8	13.4 6.8	1.4 1.4
Electrical machinery, apparatus, and supplies.....	1914 1909	2,560 1,060	76.2 78.4	22.6 18.8	1.2 2.8
Flour-mill and gristmill products.....	1914 1909	2,096 2,198	99.1 99.3	0.8 0.4	0.1 0.4
Foundry and machine-shop products.....	1914 1909	8,449 7,443	98.9 98.8	0.3 0.4	0.8 0.8
Furniture and refrigerators.....	1914 1909	3,346 3,427	97.3 95.0	1.9 2.4	0.9 2.6
Gas, illuminating and heating.....	1914 1909	1,342 941	100.0 99.9	..... .....	..... 0.1

<sup>1</sup> 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. <sup>1</sup>	Per cent of total.			Under 16 years of age.
			16 years of age and over.			
			Male.	Female.		
Glass.....	1914 1909	2,248 1,755	98.3 98.4	1.4 0.9	0.3 0.7	
Ice, manufactured.....	1914 1909	1,059 761	99.2 99.7	0.1 0.1	0.7 0.1	
Iron and steel, steel works and rolling mills.....	1914 1909	1,237 2,227	99.9 99.6	.....	0.1 0.4	
Leather goods.....	1914 1909	1,410 1,814	94.2 89.7	5.1 9.5	0.6 0.8	
Liquors, malt.....	1914 1909	5,047 5,646	95.0 90.5	4.9 8.5	0.1 1.1	
Lumber and timber products.....	1914 1909	9,196 13,522	97.6 97.6	0.6 0.5	1.8 1.8	
Patent medicines and compounds and druggists' preparations.....	1914 1909	1,090 980	44.7 40.3	53.6 57.7	1.7 2.0	
Printing and publishing.....	1914 1909	10,571 10,790	74.5 71.5	23.8 26.0	1.7 2.5	
Slaughtering and meat packing.....	1914 1909	5,200 4,674	95.9 96.6	4.0 3.3	0.1 0.1	
Tobacco manufactures.....	1914 1909	3,997 4,453	65.3 62.3	31.9 36.2	2.8 1.5	
All other industries.....	1914 1909	37,158 34,322	80.1 77.4	18.7 18.7	1.2 3.9	

<sup>1</sup> For method of estimating the distribution by sex and age periods of the average number for all industries combined see "Explanation of terms."

The table shows that in 1914, 79 per cent of the wage earners were men, a slightly greater proportion

than that shown for 1909, but a decrease as compared with 1904. There has been an increase in the relative number of women employed at each successive census since 1904 and a decrease in the wage earners under 16 years of age. The decrease, though slight, indicates the increasing tendency to reduce child labor.

Of the 26 industries shown in the table, 13 reported more wage earners for 1914 than 1909. Female wage earners predominate in establishments engaged in the manufacture of fancy and paper boxes, men's clothing, women's clothing, confectionery, and patent medicines and compounds. Sixteen industries show increases over 1909 in the proportion of males employed and 11 in the proportion of females. Only three industries show increases in the proportion of wage earners under 16 years of age, and the largest of these increases is but 1.3 per cent. Among the industries shown in the table, two reporting wage earners under 16 years of age in 1909 reported none in this class in 1914..

Table 7 shows the average number and the per cent. distribution of wage earners employed in each of 13 cities having more than 10,000 inhabitants, classified according to age periods, and of those 16 years of age and over according to sex, for 1914, 1909, and 1904.. Statistics for Independence can not be shown separately without disclosing individual operations.

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.

**Table 7**

AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.

CITY.	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.						
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	
	Cape Girardeau.....	1,259	.....	.....	1,040	.....	.....	212	.....	.....	7	.....	.....	82.6	.....	.....	16.8	.....	.....	0.6	.....	.....
Columbia.....	479	.....	.....	352	.....	.....	120	.....	.....	1	.....	.....	73.5	.....	.....	26.3	.....	.....	0.2	.....	.....	.....
Hannibal.....	2,365	2,445	1,811	1,877	1,808	1,334	486	542	1,324	3	95	153	79.3	73.9	73.7	20.5	22.2	17.9	0.1	3.9	8.4	.....
Jefferson City.....	1,401	2,651	.....	738	2,450	.....	606	2,171	.....	57	30	.....	52.7	69.1	.....	43.3	26.3	.....	4.1	4.6	.....	.....
Joplin.....	1,156	830	680	964	659	634	185	168	40	7	3	6	83.4	79.4	93.2	16.0	20.2	5.9	0.6	0.4	0.9	.....
Kansas City.....	16,252	14,643	11,030	12,276	10,841	8,444	3,900	3,562	2,313	76	240	282	75.5	74.0	76.5	24.0	24.3	21.0	0.5	1.6	2.6	.....
Moberly.....	1,411	999	.....	1,264	860	.....	138	118	.....	9	21	.....	80.6	86.1	.....	9.8	11.8	.....	0.6	2.1	.....	.....
St. Charles.....	1,683	.....	.....	1,426	.....	.....	256	.....	.....	1	.....	.....	84.7	.....	.....	15.2	.....	.....	0.1	.....	.....	.....
St. Joseph.....	4,914	5,390	4,603	3,108	3,268	2,773	1,798	2,035	1,709	8	87	91	63.2	60.6	59.5	36.6	37.8	38.6	0.2	1.6	2.0	.....
St. Louis.....	85,058	87,371	82,628	63,637	65,892	62,626	20,159	19,105	16,772	1,202	2,464	3,300	74.9	75.3	75.7	23.7	21.9	20.3	1.4	2.8	4.0	.....
Sedalia.....	903	935	974	777	768	754	120	163	207	6	4	13	85.0	82.1	77.4	13.3	17.4	21.3	0.7	0.4	1.3	.....
Springfield.....	2,009	2,131	2,158	1,836	2,020	2,042	117	98	62	6	13	54	93.9	94.8	94.6	5.8	4.6	2.9	0.3	0.6	2.5	.....
Webb City.....	136	170	.....	124	146	.....	6	24	.....	6	.....	.....	91.2	85.9	.....	4.4	14.1	.....	4.4	.....	.....	.....

<sup>1</sup> 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.  
<sup>2</sup> Figures do not agree with those published in 1909, as convicts employed in the penitentiary were included at that census but have been excluded in order to make the totals comparable with those for 1904 and 1914.

Male wage earners predominate in all of the cities; only 3 of the 10 cities which were shown separately in 1909 reported a larger proportion of female wage earners in 1914, and 2 reported a larger proportion of children employed. Jefferson City, where the chief industries are the manufacture of boots and shoes and clothing, reported the largest proportion (43.3 per cent)

of female wage earners in 1914 and Webb City the largest proportion (4.4 per cent) of wage earners under 16 years of age. Three cities reported females as constituting less than 10 per cent of the wage earners.

Of the total number of wage earners reported for the state, 55.9 per cent were employed in St. Louis. The number employed in the manufactures of the city

increased 2.9 per cent, during the decade and decreased 2.6 per cent during the period 1909-1914. The number of male wage earners reported for 1914 was a decrease of 3.2 per cent from the number for 1909, but the number of female wage earners increased by 5.5 per cent. The number of children decreased by 51.2 per cent.

CITY.	PER CENT OF INCREASE IN AVERAGE NUMBER OF WAGE EARNERS. <sup>1</sup>				
	Period.	Total.	16 years of age and over.		Under 16 years of age.
			Male.	Female.	
Hannibal.....	1904-1914	30.6	40.7	50.0	-98.0
	1909-1914	-3.2	3.8	-10.3	.....
	1904-1909	35.0	35.5	67.3	-37.9
Jefferson City.....	1904-1914	434.7	280.4	.....	.....
	1909-1914	115.2	64.0	254.4	.....
	.....	.....	.....	.....	.....
Joplin.....	1904-1914	70.0	52.1	.....	.....
	1909-1914	39.3	46.3	10.1	.....
	1904-1909	22.1	3.9	.....	.....
Kansas City.....	1904-1914	47.2	45.4	68.6	-73.0
	1909-1914	11.0	13.2	9.5	-68.3
	1904-1909	32.6	28.4	54.0	-14.9
Moberly.....	1904-1914	184.5	159.5	.....	.....
	1909-1914	41.2	47.0	16.9	.....
	.....	.....	.....	.....	.....
St. Joseph.....	1904-1914	5.4	12.1	-0.1	.....
	1909-1914	-8.8	-4.9	-11.6	.....
	1904-1909	15.6	17.9	13.1	.....
St. Louis.....	1904-1914	2.9	1.7	20.2	-63.6
	1909-1914	-2.6	-3.2	5.5	-51.2
	1904-1909	5.7	5.1	13.9	-25.3
Sedalia.....	1904-1914	-7.3	3.1	-42.0	.....
	1909-1914	-3.4	1.2	-26.4	.....
	1904-1909	-4.0	1.9	-21.3	.....
Springfield.....	1904-1914	-6.9	-7.6	.....	.....
	1909-1914	-5.7	-6.6	.....	.....
	1904-1909	-1.3	-1.1	.....	.....
Webb City.....	1904-1914	-1.4	2.5	.....	.....
	1909-1914	-20.0	-15.1	.....	.....
	.....	.....	.....	.....	.....

<sup>1</sup> A minus sign (-) denotes decrease; percentages are omitted where base is less than 100.

Kansas City reported 16,252 as the average number of wage earners in 1914 and shows an increase for each five-year period for both males and females but decreases in the number of children employed.

Wage earners employed, by months.—Table 9 presents, 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.

MONTH.	WAGE EARNERS IN MANUFACTURING INDUSTRIES.					
	Number. <sup>1</sup>			Per cent of maximum.		
	1914	1909	1904	1914	1909	1904
January.....	151,293	141,263	126,243	96.4	86.4	90.0
February.....	151,799	145,022	127,254	95.7	88.7	91.6
March.....	155,240	148,776	132,872	98.9	91.0	95.7
April.....	156,968	147,979	132,604	100.0	90.5	95.4
May.....	155,556	148,053	133,797	99.1	90.5	96.3
June.....	156,296	150,023	133,738	99.6	91.8	96.3
July.....	156,263	150,969	131,943	99.6	92.3	95.0
August.....	155,366	157,351	136,800	99.0	96.2	98.5
September.....	154,431	163,514	138,687	98.4	100.0	100.0
October.....	152,048	161,110	138,991	96.9	98.5	99.4
November.....	141,558	161,540	134,365	90.2	98.8	96.7
December.....	139,366	160,294	131,420	88.8	98.0	94.6

<sup>1</sup> 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 spring and summer months show the greatest activity in the combined industries of the state, the maximum number of wage earners appearing for April and the minimum for December of that year. In 1909 and 1904, however, the maximum number was employed in September and the minimum in January. The minimum number, in 1914, represented 88.8 per cent of the maximum; in 1909 the smallest number employed in any month represented 86.4 per cent of the largest number. The greatest stability in employment is shown for 1904, when the difference between the maximum and minimum months was but 9.1 per cent of the maximum.

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 13 cities having more than 10,000 inhabitants.

Of the 19 industries for which statistics are given in the table, the greatest stability of employment is shown for printing and publishing, tobacco manufactures, steam-railroad repair shops, bakeries, and lumber and timber products. For none of these was the fluctuation greater than 10 per cent. The boot and shoe industry shows the greatest variation in number of wage earners employed, the smallest number representing 65.5 per cent of the largest. This is probably due to the depression in the industry during 1914.

INDUSTRY AND CITY.	Average number employed during year.	WAGE EARNERS: 1914.												Per cent minimum is of maximum.
		[Month of maximum employment for each industry is indicated by boldface figures and that of minimum by italic figures.]												
		Number employed on 15th day of the month or nearest representative day.												
		Janu-ary.	Febru-ary.	March.	April.	May.	June.	July.	August.	Septem-ber.	Octo-ber.	Novem-ber.	Decem-ber.	
All Industries.....	152,182	151,293	151,799	155,240	<b>156,968</b>	155,556	156,296	156,263	155,366	154,431	152,048	141,558	<i>139,366</i>	88.8
Boots and shoes, including cut stock and findings.....	14,740	15,498	15,769	16,334	<b>16,667</b>	15,908	15,455	15,341	13,789	14,577	13,604	<i>10,916</i>	13,022	65.5
Bread and other bakery products.....	5,269	5,136	5,097	5,104	5,133	<i>5,066</i>	5,130	5,274	5,309	5,422	5,665	5,529	5,473	90.9
Brick, tile, pottery, and other clay products.....	5,196	4,723	<i>4,124</i>	4,997	5,457	5,935	<b>5,968</b>	5,926	5,792	5,372	5,040	4,771	4,247	69.1
Carriages and wagons and materials.....	2,560	2,445	2,519	2,664	2,998	3,000	2,940	2,763	2,585	2,384	2,220	2,142	<i>2,060</i>	68.7
Cars and general shop construction and repairs by steam-railroad companies.....	9,721	9,524	<i>9,405</i>	9,504	9,602	9,714	9,919	<b>10,178</b>	9,988	9,785	9,797	9,709	9,437	92.4

Table 10—Continued.

INDUSTRY AND CITY.	Average number employed during year.	WAGE EARNERS: 1914. [Month of maximum employment for each industry is indicated by boldface figures and that of minimum by <i>italic</i> figures.]												Per cent minimum is of maximum.
		Number employed on 15th day of the month or nearest representative day.												
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Clothing, men's, including shirts.....	8,140	<b>9,222</b>	9,119	9,092	8,525	8,166	8,276	8,286	8,178	<i>6,520</i>	6,903	7,519	7,874	70.7
Clothing, women's.....	2,355	<b>2,335</b>	2,489	<b>2,558</b>	2,494	2,348	2,337	2,297	2,337	2,543	2,419	<i>2,045</i>	2,058	79.9
Confectionery.....	2,520	<b>2,417</b>	2,410	2,359	<b>2,299</b>	2,401	2,394	2,332	2,517	2,902	3,020	2,620	2,569	78.1
Copper, tin, and sheet-iron products.....	2,506	<b>2,320</b>	2,420	2,537	2,535	2,601	2,600	2,709	2,700	2,664	2,503	2,295	<i>2,188</i>	80.8
Electrical machinery, apparatus, and supplies.....	2,560	<b>2,856</b>	2,740	2,729	2,705	2,648	2,566	2,662	2,540	2,320	2,382	2,298	<i>2,274</i>	79.6
Flour-mill and gristmill products.....	2,096	<b>2,011</b>	2,030	2,045	1,970	<i>1,968</i>	1,978	2,209	2,230	2,244	2,206	2,126	2,137	87.6
Foundry and machine-shop products.....	8,449	<b>8,634</b>	8,763	8,792	8,799	8,687	8,673	8,777	8,761	8,543	7,854	<i>7,539</i>	7,566	85.7
Furniture and refrigerators.....	3,346	<b>3,164</b>	3,310	3,447	3,455	3,439	3,442	3,382	3,432	3,409	3,367	3,253	<i>3,052</i>	88.3
Glass.....	2,248	<b>2,388</b>	2,503	2,636	2,690	2,300	1,951	1,926	<i>1,839</i>	1,884	2,493	2,125	2,241	68.4
Liquors, malt.....	5,947	<b>5,669</b>	5,663	5,685	5,824	5,977	6,443	<b>6,509</b>	6,454	6,025	5,821	5,726	<i>5,568</i>	85.5
Lumber and timber products.....	9,196	<b>9,023</b>	8,647	9,315	9,370	9,385	9,457	9,548	9,184	9,073	9,317	9,208	8,825	90.6
Printing and publishing.....	10,571	<b>10,768</b>	10,844	10,938	10,800	10,574	10,461	<i>10,314</i>	10,372	10,491	10,499	10,382	10,409	94.3
Slaughtering and meat packing.....	5,200	<b>5,473</b>	5,223	5,218	5,033	4,850	5,147	5,108	<i>4,678</i>	4,860	5,512	5,669	5,629	82.5
Tobacco manufactures.....	3,997	<b>3,841</b>	4,062	4,092	4,044	4,044	4,075	4,029	3,946	4,048	4,056	3,837	3,890	93.8
All other industries.....	45,565	<b>43,846</b>	44,662	45,194	46,568	46,557	47,084	46,693	48,735	49,365	47,470	41,759	<i>38,847</i>	78.7
Total for cities.....	119,027	<b>119,373</b>	120,830	122,834	124,341	122,637	122,813	122,512	119,512	118,483	116,641	109,795	<i>108,553</i>	87.3
CAPE GIRARDEAU.....	1,259	<b>1,273</b>	1,302	1,298	1,330	1,314	1,295	1,305	1,280	1,266	1,184	1,078	1,183	81.1
COLUMBIA.....	479	<b>593</b>	572	578	548	260	194	477	514	534	504	493	481	32.7
HANNIBAL.....	2,366	<b>2,281</b>	2,285	2,337	2,387	2,393	2,484	2,409	2,475	2,439	2,376	2,332	<i>2,194</i>	88.3
JEFFERSON CITY.....	1,401	<b>1,274</b>	1,366	1,400	1,454	1,495	1,484	1,530	1,531	1,502	1,387	1,283	<i>1,106</i>	72.2
JOPLIN.....	1,156	<b>1,088</b>	1,106	1,118	1,146	1,189	1,187	1,206	1,187	1,198	1,164	1,151	1,134	90.0
KANSAS CITY.....	16,252	<b>15,710</b>	15,821	16,060	16,245	16,309	16,632	17,014	17,114	16,564	16,241	15,798	<i>16,516</i>	90.7
MOBERLY.....	1,411	<b>1,334</b>	1,360	1,353	1,330	1,411	1,420	1,393	1,429	1,469	1,514	1,433	1,486	87.8
ST. CHARLES.....	1,683	<b>1,685</b>	1,722	1,812	1,746	1,688	1,526	1,696	1,831	1,867	1,757	1,496	<i>1,370</i>	73.4
ST. JOSEPH.....	4,914	<b>4,595</b>	4,641	4,828	4,800	4,843	4,945	4,930	5,074	5,139	5,360	5,012	4,804	85.9
ST. LOUIS.....	85,058	<b>86,705</b>	87,840	89,175	90,433	88,725	88,524	87,126	83,743	83,251	82,080	76,721	<i>76,373</i>	84.5
SEDALIA.....	903	<b>786</b>	793	792	786	784	847	1,032	1,075	1,083	999	933	926	72.4
SPRINGFIELD.....	2,009	<b>1,924</b>	1,896	1,962	1,999	2,093	2,133	2,248	2,114	2,027	1,941	1,928	<i>1,843</i>	82.0
WEBB CITY.....	136	<b>127</b>	126	123	123	133	142	146	145	144	144	137	137	84.2

<sup>1</sup> Statistics for Independence can not be shown without disclosing individual operations.

Among the cities, Kansas City shows little change in employment from month to month, the minimum number being only 9.3 per cent less than the maximum. Columbia shows the greatest fluctuation in number of wage earners employed, the minimum number being 32.7 per cent of the maximum. This condition is abnormal, because the boot and shoe industry, the largest in the city, reported but few wage earners for two months of the year. For the other cities, there was considerable stability of employment during the entire year 1914. The fluctuation shown was greatest (72.2 per cent) for Jefferson City and least (90 per cent) for Joplin.

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 13 cities 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.

The figures in this table show a tendency toward a shorter working day. In 1914, 62.7 per cent of the wage earners reported, for all industries combined, were employed in establishments where the working

hours were 54 or less per week, compared with 46.2 per cent similarly employed in 1909. The largest percentage of wage earners, 31.2, was employed by establishments operated 54 hours per week. The proportion of wage earners employed in establishments where the prevailing hours of labor were more than 54 but not more than 60 decreased 33.3 per cent during the period 1909-1914.

For the industries shown separately in the table, the manufacture of men's clothing and women's clothing, malt liquors, and printing and publishing show a majority of the wage earners employed in establishments working less than 54 hours per week.

The boot and shoe industry, including cut stock and findings, which employs more wage earners than any other industry in the state, shows no establishment in which the working hours were more than 60 per week. The bakeries reported 60.5 per cent of the wage earners in establishments operating 60 hours in 1909, while in 1914, 64.4 per cent were employed in establishments operating 54 hours per week.

The steam-railroad repair shops and flour-mills and gristmills are the only industries showing, for 1914, a considerable number of wage earners in establishments operating more than 60 hours per week, and these reported but 20.7 per cent and 38.7 per cent, respectively, so employed.

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 1909	152,182 152,993	28,576 23,276	19,252 10,671	47,528 36,711	20,480 28,934	29,786 46,446	4,573 3,350	653 1,737	1,334 1,868
Boots and shoes, including cut stock and findings.....	1914 1909	14,740 17,396	123 4	881	6,349 2,464	6,993 9,917	394 5,011			
Bread and other bakery products.....	1914 1909	5,269 4,743	485 252	496 181	3,392 1,122	147 215	589 2,570	135 66	17 21	8 16
Brick, tile, pottery, and other clay products.....	1914 1909	5,196 6,137	13 82	172 5	709 283	1,094 1,732	3,148 3,940			60
Carriages and wagons and materials.....	1914 1909	2,560 3,302	96 471	501 182	363 881	921 417	679 1,220			
Cars and general shop construction and repairs by steam-railroad companies.....	1914 1909	9,721 8,121	2,658 1,397	169	4,807 5,237		70 280	1,977 647	40	21
Clothing, men's, including shirts.....	1914 1909	8,140 7,694	2,190 2,174	4,919 3,024	952 2,180	76 503	3 113			
Clothing, women's.....	1914 1909	2,355 2,750	454 134	1,069 956	826 1,158		6 40			
Confectionery.....	1914 1909	2,520 1,882	38 289	796 123	761 432	417 237	494 799	7 2		7
Copper, tin, and sheet-iron products.....	1914 1909	2,506 2,637	472 593	537 128	898 443	558 800	41 613			
Electrical machinery, apparatus, and supplies.....	1914 1909	2,560 1,060	329 27	424 239	1,751 636	52 150	4 8			
Flour-mill and gristmill products.....	1914 1909	2,096 2,198	116 119	5 6	104 32	11 6	1,049 949	557 368	251 709	3 9
Foundry and machine-shop products.....	1914 1909	8,449 7,443	642 200	623 561	5,279 4,661	656 664	1,249 1,357			
Furniture and refrigerators.....	1914 1909	3,246 3,427	841 488	485 392	1,003 727	282 250	735 1,570			
Glass.....	1914 1909	2,248 1,755	11 102	448 102	35		1,754			
Liquors, malt.....	1914 1909	5,947 5,646	5,226 4,755		37 789	502 7	66 78	116		13
Lumber and timber products.....	1914 1909	9,196 13,522	610 1,155	1,125 720	1,198 1,677	635 223	5,527 9,677	190 67	1 2	1 1
Printing and publishing.....	1914 1909	10,571 10,790	7,550 6,457	1,358 974	1,283 1,883	155 856	212 614	11 5	1 1	1 1
Slaughtering and meat packing.....	1914 1909	5,200 4,674	629 4	84	805 1,960	1,834 59	1,746 2,650		102 1	
Tobacco manufactures.....	1914 1909	3,997 4,453	985 4,453	130 118	2,854 81	4 2,632	9 464	15		
All other industries.....	1914 1909	45,565 45,063	5,108 3,517	5,030 2,956	14,122 10,065	6,143 8,981	12,011 14,193	1,655 966	241 577	1,255 1,808
Total for cities <sup>1</sup> .....	1914	119,027	25,218	17,392	40,444	14,380	18,176	2,676	262	479
CAPE GIRARDEAU.....	1914	1,259	48	4	194	645	327	32		9
COLUMBIA.....	1914	479	106		316	28	14	15		
HANNIBAL.....	1914	2,366	124	4	811	1,040	333	48		6
JEFFERSON CITY.....	1914	1,401	203	264	5	794	106	13	14	2
JOPLIN.....	1914	1,156	231	21	285	432	131	40		16
KANSAS CITY.....	1914	16,252	4,197	2,212	4,694	1,643	2,098	1,193	23	192
MOBERLY.....	1914	1,411	997	4	346		40	13	11	
ST. CHARLES.....	1914	1,683	24		19	1,596	28	8	8	
ST. JOSEPH.....	1914	4,914	1,609	879	1,371	394	519	16	27	99
ST. LOUIS.....	1914	85,058	17,337	13,896	30,559	7,735	14,039	1,197	165	130
SEDALIA.....	1914	903	174		546	9	157	2		15
SPRINGFIELD.....	1914	2,009	160	108	1,212	64	362	99		4
WEBB CITY.....	1914	136	8		86		22		14	6

<sup>1</sup> Statistics for Independence can not be shown without disclosing individual operations.

In 8 of the 13 cities shown, the majority of the wage earners are employed in establishments operating 54 hours or less per week. In 1914 St. Louis, Kansas City, and St. Joseph reported 72.6 per cent, 68.3 per cent, and 78.5 per cent, respectively, of the wage earners employed in establishments operating 54 hours or less per week. For these cities the proportions of wage earners in establishments operating more than

60 hours were 1.8 per cent, 8.7 per cent, and 2.9 per cent, respectively.

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

Thirteen cities in Missouri, in 1914, having an estimated population of 10,000 or more, contained 38 per

cent of the total estimated population for the state, 55.2 per cent of the total number of establishments, 78.2 per cent of the total average number of wage earners, 75.5 per cent of the total value of products, and 83.8 per cent of the value added by manufacture.

In accepting the statistics in this table, it must be remembered that Cape Girardeau, Columbia, and St.

Charles, which had a population of 10,000 and over at the census of 1914, were included in those for the outside districts at prior censuses; also that Jefferson City, Moberly, and Webb City, which had a population of 10,000 and over at the census of 1909, were included in the statistics for the outside districts in 1900.

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. <sup>1</sup>		
			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		13		8		3		2				
	1910		10		5		3		2				
	1900		7		3		1		3				
Population <sup>2</sup> .....	1914	3,372,886	1,280,715	38.0	109,892	3.3	154,245	4.6	1,016,578	30.1	2,092,171	62.0	
	1910	3,283,335	1,150,840	34.9	70,783	2.1	144,677	4.4	935,410	28.4	2,142,495	65.1	
	1900	3,106,665	919,270	29.6	51,278	1.6	26,023	0.8	841,969	27.1	2,187,395	70.4	
Number of establishments.....	1914	8,386	4,633	55.2	318	3.8	476	5.7	3,839	45.8	3,763	44.8	
	1909	8,375	4,247	50.7	232	2.8	446	5.3	3,569	42.6	4,128	49.3	
	1899	6,853	3,662	53.4	202	2.9	45	0.6	3,415	49.8	3,191	46.6	
Average number of wage earners..	1914	152,182	119,027	78.2	9,638	6.3	8,079	5.3	101,310	66.6	33,155	21.8	
	1909	152,993	115,565	75.5	5,200	3.4	8,351	5.5	102,014	66.7	37,428	24.5	
	1899	107,704	84,185	78.1	3,857	3.6	682	0.6	79,626	73.9	27,539	21.9	
Value of products.....	1914	\$637,952,128	\$481,861,939	75.5	\$31,217,914	4.9	\$29,210,746	4.6	\$421,433,279	66.1	\$156,090,189	24.5	
	1909	574,111,070	427,078,288	74.4	16,734,760	2.9	27,143,705	4.7	383,199,823	66.7	147,032,782	25.6	
	1899	316,304,095	238,424,508	75.4	7,415,910	2.3	2,325,218	0.7	228,683,360	72.3	77,879,587	24.6	
Value added by manufacture.....	1914	249,237,209	208,835,584	83.8	12,471,948	5.0	10,717,276	4.3	185,646,360	74.5	40,401,685	16.2	
	1909	219,699,919	181,522,835	82.6	5,945,511	2.7	10,684,506	4.9	164,892,818	74.9	38,177,094	17.4	
	1899	132,115,065	111,156,471	84.1	3,015,240	2.3	789,037	0.6	107,372,194	81.8	20,958,694	15.9	

<sup>1</sup> Includes Independence, to avoid disclosure of individual operations.

<sup>2</sup> Census estimate of population for 1914.

The value of products of the urban districts increased 102.1 per cent during the 15 years shown in the table; while the rural districts increased 100.4 per cent. Notwithstanding the increase in the number of places included in the urban districts, no marked changes occurred in the proportion contributed by these urban districts to the totals for the several items shown.

The relative importance in manufactures of each of 13 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 rank, as measured by value of products in 1914. Those for which comparative figures are not shown for 1909 and 1904 had less than 10,000 inhabitants in those years.

CITY.	AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
	1914	1909	1904	1914	1909	1904
St. Louis.....	85,058	87,371	82,698	\$360,479,868	\$328,405,313	\$267,307,038
Kansas City.....	19,252	14,643	11,039	60,853,411	54,704,510	35,573,049
St. Joseph.....	4,914	5,390	4,663	17,067,642	17,625,682	11,573,720
Jefferson City.....	1,401	1,631		8,086,929	5,445,518	
Hannibal.....	2,366	2,445	1,811	6,214,645	6,195,129	3,563,842
Springfield.....	2,090	2,131	2,158	6,192,954	5,382,098	5,293,315
Joplin.....	1,156	830	680	5,950,150	4,135,925	3,006,203
St. Charles.....	1,683			4,993,624		
Cape Girardeau.....	1,259			3,888,376		
Moberly.....	1,411	990		3,136,734	1,983,971	
Sedalia.....	903	935	974	2,921,686	2,333,072	1,691,727
Columbia.....	479			1,269,702		
Webb City.....	136	170		706,227	777,070	

<sup>1</sup> Figures do not agree with those published in 1909, as convicts employed in the penitentiary were included at that census, but have been excluded in order to make the totals comparable with those for 1904 and 1914.

Each of the cities, for which comparable figures are given, except St. Joseph and Webb City, show increases in value of products for the period 1909-1914. The highest per cent of increase, 58.1, is shown for Moberly.

St. Louis, the most important city of the state, ranks fifth in value of manufactured products among the cities of the United States. In 1914 its manufacturing industries gave employment to 55.9 per cent of the total average number of wage earners, and the value of its products formed 56.5 per cent of the total value of manufactured products for the state. The leading industries are slaughtering and meat packing, printing and publishing, the manufacture of malt liquors, steam-railroad cars, boots and shoes, tobacco, and foundry and machine-shop products.

Kansas City, the second city in the state, increased 11.4 per cent in value of products and 11 per cent in number of wage earners employed for the period 1909-1914. The principal industries are printing and publishing, the manufacture of flour-mill and grist-mill products, foundry and machine-shop products, bakery products, and bags, other than paper.

St. Joseph, the third city in importance, shows 3.2 per cent of the total number of wage earners reported by the state and 2.7 per cent of the total value of products. The chief industries are slaughtering and meat packing, printing and publishing, confectionery, flour-mill and gristmill products, butter, men's clothing, boots and shoes, and saddlery and harness.

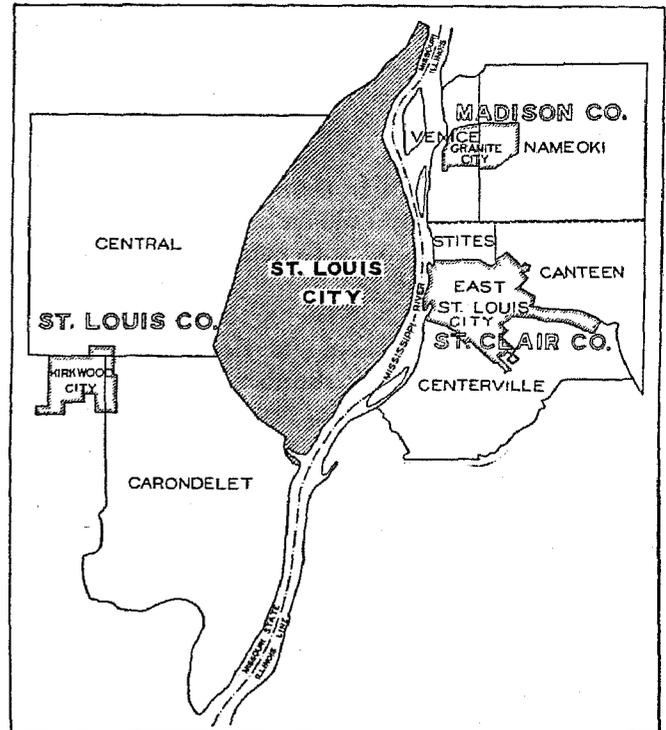
Jefferson City shows an increase of \$2,641,402, or 48.5 per cent, in value of products for the five-year period 1909-1914. The principal industries are manufacturing boots and shoes and men's clothing.

The manufacture of boots and shoes was the leading industry in Cape Girardeau, Columbia, Hannibal, Moberly, and St. Charles, while the flour-mill and grist-mill industry was important in Hannibal, Joplin, Springfield, and Webb City. The leading industry in Joplin was smelting and refining, lead; in St. Charles, the manufacture of steam-railroad cars, by other than railroad companies; and in Sedalia, the killing and dressing of poultry. The construction and repairs of cars by steam-railroad companies is an important industry in Hannibal, Moberly, Sedalia, and Springfield.

**St. Louis metropolitan district.**—The St. Louis metropolitan district, which was the seventh in importance in the United States in manufacturing industries in 1914, embraces 197,817 acres of territory, of which 39,100 acres constitute the area of St. Louis and 158,717 acres, the area of the outside district. The estimated population of the district, on July 1, 1914, was 905,024; that of St. Louis was 734,667; East St. Louis, 69,502; and Granite City, 13,647; for the remainder of the district it was 87,208.

The metropolitan district includes, in addition to the city of St. Louis, Carondelet and Central Townships and Kirkwood City in Bonhomme Township in St. Louis County, Mo.; East St. Louis City, and Canteen, Centerville, and Stites Townships in St. Clair County, and Granite City, and Nameoki and Venice Townships in Madison County, Ill.

The following is an outline map of the metropolitan district in 1914:



*Summary for the district.*—Table 14 summarizes for 1914 the statistics of manufacturing industries and gives the estimated population in 1914 for each of the three cities and for the remainder of the district, with the percentage St. Louis forms of the total for the district.

	ST. LOUIS METROPOLITAN DISTRICT.						Per cent St. Louis is of total for dis- trict.
	The district.	St. Louis.	District exclusive of St. Louis.				
			Total.	East St. Louis.	Granite City.	Remainder.	
Population <sup>1</sup> .....	905,024	734,667	170,357	69,502	13,647	87,208	81.2
Number of establishments.....	3,090	2,787	303	125	39	139	90.2
Persons engaged.....	129,329	104,187	25,142	6,796	5,698	12,648	80.6
Proprietors and firm members.....	2,110	1,900	210	70	48	92	90.0
Salaried employees.....	20,431	17,229	3,202	863	560	1,779	84.3
Wage earners (average number).....	106,788	85,058	21,730	5,863	5,090	10,777	79.7
Primary horsepower.....	240,718	169,982	70,736	18,183	17,556	34,997	70.6
Capital.....	\$399,841,035	\$314,728,289	\$85,112,746	\$28,321,596	\$12,866,840	\$37,924,210	78.7
Salaries and wages.....	94,810,044	75,123,125	19,686,919	5,603,197	4,879,512	9,204,210	79.2
Salaries.....	28,322,154	23,973,344	4,348,810	1,233,998	872,377	2,242,435	84.6
Wages.....	66,487,890	51,149,781	15,338,109	4,369,199	4,007,135	6,961,775	76.9
Paid for contract work.....	1,258,505	1,111,623	146,882	46,700	.....	100,182	88.3
Rent and taxes (including internal revenue).....	15,037,465	14,378,361	659,104	354,140	161,887	143,077	95.6
Cost of materials.....	299,003,228	203,806,296	95,196,932	17,423,425	9,845,272	67,928,234	68.2
Value of products.....	493,219,710	360,479,868	132,739,842	26,904,565	17,903,162	87,932,115	73.1
Value added by manufacture.....	194,216,482	156,673,572	37,542,910	9,481,139	8,057,890	20,003,881	80.7

<sup>1</sup> Estimated population July 1, 1914.

In 1914 the St. Louis metropolitan district had 3,090 manufacturing establishments which gave employment to 129,329 persons during the year and paid \$94,810,044 in salaries and wages. Of the persons employed, 106,788 were wage earners. The establishments manufactured products to the value of \$493,219,710, to produce which materials costing \$299,003,228 were utilized. The value added by manufacture was thus \$194,216,482.

In this district the greater part of the value of manufactured products was reported by factories in the central city. St. Louis contained over four-fifths of the population of the district of which it is the manufacturing, commercial, and financial center. Its manufacturing establishments constituted over nine-tenths of all in the district and gave employment to nearly four-fifths of the average number of wage earners and contributed nearly three-fourths of the value of the

manufactured products for the district. The principal industries of East St. Louis in 1914 were the manufacture of flour-mill and gristmill products and chemicals, and slaughtering and meat packing. For Granite City, the manufacture of babbitt metal and solder, glucose and starch, iron and steel works and rolling-mill products, and stamped and enameled ware, are the more important industries.

*Comparison with earlier censuses.*—Table 15 gives the statistics for the St. Louis metropolitan district as a whole for 1914 and 1909, with percentages of increase for the five-year period.

The table shows an increase for the five-year period in every item shown. The population increased practically 10 per cent and the number of establishments 4.7 per cent, while the value of products increased 14.7 per cent. Large increases were shown for number of salaried employees and their salaries, these being 14.3 per cent and 25.2 per cent, respectively. Though the number of wage earners increased but little, the wages increased 11.7 per cent.

Table 15

	ST. LOUIS METROPOLITAN DISTRICT.		
	Number or amount.		Per cent of increase, 1909-1914.
	1914	1909	
Population.....	1 905,024	828,733	9.2
Number of establishments.....	3,090	2,951	4.7
Persons engaged.....	129,329	126,453	2.3
Proprietors and firm members.....	2,110	2,045	3.2
Salaried employees.....	20,431	17,873	14.3
Wage earners (average number).....	106,788	106,535	0.2
Primary horsepower.....	240,718	213,405	12.8
Capital.....	\$399,841,035	\$356,356,256	12.2
Salaries and wages.....	94,810,044	82,157,253	15.4
Salaries.....	28,322,154	22,612,726	25.2
Wages.....	66,487,890	59,544,527	11.7
Paid for contract work.....	1,258,505	.....	.....
Rent and taxes (including internal revenue).....	15,037,465	.....	.....
Cost of materials.....	299,003,228	266,552,373	12.2
Value of products.....	493,219,710	430,170,244	14.7
Value added by manufacture.....	194,216,482	163,617,871	18.7

<sup>1</sup> Estimated population July 1, 1914.

<sup>2</sup> Apr. 15, 1910.

*Comparative summary, by industries.*—Statistics for such of the industries in the district that can be shown separately and have products valued at \$1,600,000 or more in 1914, are given in Table 16, for 1914 and 1909.

Table 16

ST. LOUIS METROPOLITAN DISTRICT: 1914 AND 1909.

INDUSTRY.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
			Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number.)							
All industries.....	1914 1909	3,090 2,951	129,329 126,453	2,110 2,045	20,431 17,873	106,788 106,535	240,718 213,405	\$399,841,035 \$356,356,256	\$28,322,154 22,612,726	\$66,487,890 59,544,537	\$299,003,228 266,552,373	\$493,219,710 430,170,244	\$194,216,482 163,617,871
Automobiles, including bodies and parts.	1914 1909	116 11	542 340	5 2	103 56	434 282	550 139	1,688,063 620,371	175,100 61,895	327,286 197,452	1,029,641 726,798	1,881,578 1,302,283	851,937 575,485
Boots and shoes, including cut stock and findings.	1914 1909	27 33	10,260 13,006	4 3	1,527 865	8,729 12,138	5,602 7,547	22,886,292 10,562,837	2,073,130 990,893	4,453,136 6,169,631	22,630,162 23,735,168	31,048,945 33,970,372	8,418,783 10,235,204
Brass and bronze products.....	1914 1909	11 11	423 325	6 6	68 50	349 269	445 385	1,639,448 963,035	130,453 76,162	236,961 179,661	2,399,021 1,631,835	2,936,923 2,164,768	537,902 532,933
Bread and other bakery products..	1914 1909	513 484	3,706 3,476	527 475	569 648	2,610 2,353	2,280 1,458	7,228,432 7,240,585	693,092 685,435	1,518,861 1,287,833	5,213,956 4,992,567	9,998,339 9,047,142	4,784,383 4,054,575
Brick, tile, pottery, and other clay products.	1914 1909	30 30	3,967 4,693	6 6	305 301	3,656 4,386	8,442 8,882	12,906,147 14,522,242	483,727 462,805	2,066,174 2,215,674	1,339,101 1,460,989	5,608,855 4,147,866	3,394,725 4,147,866
Carriages and wagons and materials.	1914 1909	92 85	2,007 2,608	81 63	230 256	1,696 2,289	2,098 3,173	4,226,308 5,209,760	334,718 362,377	1,145,462 1,261,795	3,129,166 3,867,741	5,155,675 6,401,405	2,026,509 2,533,664
Chemicals.....	1914 1909	115 17	1,130 774	5 .....	341 172	784 602	1,389 865	5,581,501 3,872,062	514,105 322,111	458,546 322,450	3,959,921 2,196,698	6,471,061 3,535,410	2,511,140 1,338,712
Clothing, men's, including shirts...	1914 1909	54 50	5,665 5,246	33 32	541 463	5,091 4,751	1,770 879	5,300,692 5,419,636	711,906 581,726	2,184,231 1,966,168	5,861,020 5,382,012	10,272,765 9,687,421	4,411,745 4,305,409
Clothing, women's.....	1914 1909	166 158	2,593 2,745	47 49	275 257	2,271 2,439	581 438	2,094,996 2,050,468	371,884 301,456	1,062,309 1,021,016	2,947,322 2,901,898	5,353,268 4,886,052	2,405,946 1,934,244
Coffee and spice, roasting and grinding.	1914 1909	20 23	1,093 1,091	5 6	589 515	499 570	1,808 1,836	5,123,203 4,547,171	840,767 697,362	273,729 268,406	7,217,065 7,217,065	11,971,901 9,513,595	2,808,716 2,296,530
Confectionery.....	1914 1909	149 25	1,726 1,453	15 14	209 217	1,472 1,222	1,320 823	2,440,544 1,747,211	339,773 349,724	520,252 512,420	2,146,740 2,174,939	3,589,785 3,848,422	1,443,045 1,473,483
Copper, tin, and sheet-iron products	1914 1909	115 126	3,033 3,632	106 113	308 355	2,619 3,164	2,759 2,031	7,190,479 6,632,822	497,699 428,466	1,502,705 1,580,170	4,466,931 4,851,264	8,265,351 8,018,879	3,798,420 3,167,615
Electrical machinery, apparatus, and supplies.	1914 1909	112 116	1,728 912	5 7	303 206	1,420 699	1,400 650	3,418,417 1,523,842	409,800 265,414	827,542 390,114	1,228,572 636,129	3,275,247 2,080,635	2,046,675 1,444,506
Fertilizers.....	1914 1909	7 4	314 186	..... .....	55 50	259 136	1,842 780	1,318,160 912,025	63,332 68,375	132,283 62,153	1,035,586 384,450	1,604,136 638,439	568,550 253,980
Flour-mill and gristmill products...	1914 1909	12 16	423 355	1 4	132 105	290 246	3,725 4,082	3,520,745 2,252,576	235,858 152,634	196,253 144,915	7,504,444 5,853,913	8,775,455 6,578,991	1,271,011 924,991
Food preparations, not elsewhere specified.	1914 1909	26 21	699 559	13 18	248 159	438 382	1,843 946	1,642,107 2,377,416	326,031 206,776	194,282 169,722	5,110,590 3,498,913	6,206,618 4,454,774	1,096,028 955,861
Foundry and machine-shop products	1914 1909	185 176	8,558 7,800	80 83	1,373 1,107	7,105 6,610	15,335 11,009	21,917,057 17,581,220	1,948,485 1,415,475	4,855,694 4,239,599	8,994,240 8,125,592	18,450,717 17,338,198	9,456,477 9,212,606

<sup>1</sup> Excludes statistics for establishments located outside of the corporate limits of St. Louis, to avoid disclosure of individual operations. The figures for these establishments are included under the head of "all other industries."

Table 16—Continued.

ST. LOUIS METROPOLITAN DISTRICT: 1914 AND 1909—continued.

INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments.	Persons engaged in industry.				Pri- mary horse- power.	Capital.	Salaries.	Wages.	Cost of material.	Value of products.	Value added by manufac- ture.
			Total.	Pro- pri- etors and firm mem- bers.	Sala- ried em- ploy- ees.	Wage earn- ers (aver- age num- ber).							
Furniture and refrigerators.....	1914 1909	1 62 1 65	3, 224 3, 310	19 22	433 406	2, 772 2, 882	5, 030 5, 163	\$5, 551, 129 5, 689, 684	\$583, 608 504, 488	\$1, 666, 304 1, 620, 135	\$2, 703, 287 2, 735, 029	\$6, 019, 679 6, 110, 965	\$3, 316, 392 3, 375, 930
Iron and steel, steel works and rolling mills.	1914 1909	7 9	5, 994 6, 293	..... .....	491 579	5, 503 5, 714	19, 707 21, 004	20, 372, 214 19, 921, 755	884, 399 591, 813	4, 617, 395 3, 444, 688	6, 152, 193 6, 264, 040	13, 774, 438 12, 037, 791	7, 622, 245 5, 773, 751
Leather goods.....	1914 1909	42 32	1, 136 1, 204	25 21	260 223	851 960	523 693	2, 215, 135 2, 292, 601	312, 868 271, 519	539, 659 514, 931	1, 542, 334 1, 629, 336	3, 197, 472 3, 103, 131	1, 655, 088 1, 478, 795
Liquors, malt.....	1914 1909	15 14	5, 757 5, 598	..... .....	582 589	5, 175 5, 009	26, 876 26, 102	59, 553, 140 47, 252, 731	1, 349, 436 1, 128, 556	4, 334, 784 2, 484, 681	5, 935, 352 6, 691, 627	28, 220, 374 24, 191, 737	22, 285, 022 17, 500, 110
Lumber and timber products.....	1914 1909	88 86	2, 910 3, 574	31 36	341 420	2, 538 3, 118	11, 436 10, 077	5, 994, 180 7, 121, 163	491, 331 496, 848	1, 492, 681 1, 852, 297	3, 145, 111 4, 429, 065	6, 050, 592 8, 197, 133	2, 905, 481 3, 763, 068
Paint and varnish.....	1914 1909	1 26 1 23	812 869	3 1	294 270	515 598	2, 363 2, 139	4, 792, 101 4, 661, 137	428, 174 398, 199	337, 308 315, 048	3, 216, 971 3, 738, 225	5, 002, 918 5, 564, 021	1, 785, 947 1, 825, 796
Patent medicines and compounds and druggists' preparations.	1914 1909	131 99	1, 691 1, 626	74 87	699 677	918 862	686 800	5, 000, 517 4, 879, 796	1, 045, 980 879, 642	432, 761 364, 259	2, 498, 266 1, 620, 680	7, 821, 239 8, 546, 391	5, 322, 973 4, 563, 711
Printing and publishing.....	1914 1909	399 375	8, 431 8, 685	308 246	2, 554 2, 258	5, 569 6, 181	6, 866 5, 844	12, 999, 862 13, 138, 946	3, 275, 771 2, 859, 936	4, 161, 296 4, 051, 105	5, 259, 536 5, 258, 278	18, 529, 268 17, 785, 074	13, 269, 732 12, 526, 796
Slaughtering and meat packing.....	1914 1909	29 28	7, 372 6, 354	17 19	1, 024 976	6, 331 5, 359	13, 472 13, 148	21, 065, 173 18, 107, 879	1, 210, 891 1, 057, 528	3, 882, 978 3, 065, 827	90, 830, 907 81, 903, 907	104, 168, 190 87, 903, 483	13, 337, 283 6, 983, 263
Soap.....	1914 1909	9 9	796 837	6 2	269 281	521 554	1, 358 954	3, 086, 373 2, 637, 965	267, 069 232, 537	279, 280 271, 640	2, 810, 820 3, 054, 197	4, 919, 685 4, 718, 552	2, 108, 865 1, 664, 355
Stoves and furnaces, including gas and oil stoves.	1914 1909	11 13	2, 373 2, 048	..... 2	457 373	1, 916 1, 673	3, 029 1, 826	9, 019, 131 7, 254, 137	720, 759 535, 244	1, 335, 670 2, 457, 524	2, 718, 873 2, 457, 524	7, 478, 760 5, 923, 388	4, 759, 887 3, 465, 864
Wirework, including wire rope and cable..	1914 1909	1 10 1 9	863 832	6 6	145 143	712 683	1, 521 853	3, 298, 609 2, 241, 838	343, 654 247, 129	350, 745 364, 932	1, 179, 945 1, 097, 227	3, 264, 732 3, 323, 043	2, 084, 787 1, 625, 816
All other industries.....	1914 1909	1, 012 1, 013	40, 103 36, 022	652 722	5, 706 4, 896	33, 745 30, 404	94, 657 78, 829	136, 800, 880 133, 474, 265	7, 258, 264 6, 080, 201	21, 101, 254 18, 017, 183	82, 849, 985 71, 750, 044	144, 780, 773 121, 384, 681	61, 930, 788 49, 628, 937

<sup>1</sup> Excludes statistics for establishments located outside of the corporate limits of St. Louis, to avoid disclosure of individual operations. The figures for these establishments are included under the head of "all other industries."

Fourteen of the industries, for which statistics are shown in the table, comprise establishments inside the corporate limits of St. Louis. Eight of these industries, however, operated to some extent outside of the city proper, but the reports for such establishments have been included with "all other industries," in order to avoid disclosure of individual operations.

The manufacture of brass and bronze products, boots and shoes, men's clothing, soap, stoves and furnaces, and the roasting and grinding of coffee and spice, were confined to establishments located within the corporate limits of the city.

Totals for all industries combined show an increase in every item for the five-year period, 1909-1914. Considerable increases are shown for the value of products in a majority of the industries. Slaughtering and meat packing, the most important industry as measured by value of products, shows the greatest actual increase, \$22,264,707, or 27.2 per cent; while the greatest relative increase is shown for fertilizers, 151.3 per cent. The increases in the manufacture of chemicals, and electrical machinery and apparatus and supplies, were in each case more than 50 per cent.

Several prominent industries are not shown in this table, in order to avoid disclosure of individual operations; among them are those manufacturing bags, other than paper; electric and steam railroad cars; cement; gas; glucose and starch; cottonseed oil and cake; and tobacco.

**Character of ownership.**—Table 17 presents statistics in respect to character of ownership, or legal organization, of manufacturing enterprises. For all industries combined, comparative figures are given for 1914, 1909, and 1904; for the 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 and the city of Independence from this table.

This table shows for all industries that, while the establishments under the corporate form of ownership were less than 30 per cent of the total number of establishments, they employed more than five-sixths of the wage earners and reported more than nine-tenths of the total value of products in 1914. In 1909 the percentages were 29.2 per cent, 85.3 per cent, and 88.6 per cent, respectively.

The form of ownership prevailing in the individual industries shows much variation. The boot and shoe factories and the breweries were owned almost exclusively by corporations, and 60 per cent or more of the men's clothing, furniture-manufacturing, and slaughtering and meat-packing establishments were under this form of ownership. A majority of the establishments engaged in printing and publishing and the manufacture of bakery and lumber and timber products were operated by individuals, though in each

case the average number of wage earners and value of products for those operated by corporations formed more than 60 per cent of the total for the industry. This predominates in the bakery industry, where 874, or 83.8 per cent, out of a total of 1,043 establishments

in 1914, were owned by individuals, but they gave employment to only 26.8 per cent of the total number of wage earners and their products formed only 28.9 per cent of the total value of products for the industry.

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.					
		Indj- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.			
						Indj- vid- uals.	Cor- pora- tions.	All oth- ers.	Indj- vid- uals.	Cor- pora- tions.	All oth- ers.		Indj- vid- uals.	Cor- pora- tions.	All oth- ers.	Indj- vid- uals.	Cor- pora- tions.	All oth- ers.	
All Industries.....	1914	4,346	2,501	1,530	152,182	12,832	133,110	6,240	8.4	87.5	4.1	\$637,952,128	\$40,542,280	\$574,836,664	\$22,573,204	6.4	90.1	3.5	
	1909	4,335	2,447	1,593	152,993	13,755	130,514	8,724	9.0	85.3	5.7	574,111,070	38,121,568	508,761,173	27,228,329	6.6	88.6	4.7	
	1904	3,316	1,847	1,301	133,167	13,776	109,821	9,570	10.3	82.5	7.2	439,548,957	33,642,863	379,405,293	26,400,801	7.7	86.3	6.0	
Boots and shoes, including out stock and findings.	1914	4	50	3	14,740	19	14,721	271	0.1	99.9	1.6	52,522,006	82,741	52,439,265	646,912	0.2	99.8	1.3	
	1909	5	51	3	17,396	34	17,091	305	0.2	98.2	1.6	48,751,235	75,418	48,028,905	646,912	0.2	98.5	1.3	
Bread and other bakery products.	1914	874	39	130	5,269	1,414	3,506	349	26.8	66.5	6.6	19,940,499	5,771,880	12,766,532	1,402,087	28.9	64.0	7.0	
	1909	820	47	87	4,743	1,193	3,382	168	25.2	71.3	3.5	18,523,826	5,159,331	12,702,722	661,773	27.9	68.6	3.6	
Carriages and wagons and materials.	1914	120	50	53	2,560	383	2,029	148	15.0	79.3	5.8	6,850,955	779,822	5,678,839	392,294	11.4	82.9	5.7	
	1909	109	64	70	3,302	417	2,617	368	12.6	76.2	11.1	8,468,858	721,434	6,979,890	767,542	8.5	82.4	9.1	
Clothing, men's, including shirts.	1914	19	59	12	8,140	200	7,716	224	2.5	94.8	2.8	17,300,109	329,122	16,432,812	538,175	1.9	95.0	3.1	
	1909	21	50	13	7,994	276	7,583	135	3.4	94.9	1.7	15,407,193	406,541	14,595,652	405,000	2.6	94.7	2.6	
Flour-mill and gristmill products.	1914	284	152	205	2,096	393	1,345	358	18.7	64.2	17.1	38,686,309	4,328,925	27,838,468	6,518,913	11.2	72.0	16.8	
	1909	309	159	212	2,198	414	1,384	400	18.8	63.0	18.2	45,503,106	5,157,588	32,512,754	6,837,764	11.6	73.0	15.4	
Foundry and machine-shop products.	1914	106	105	55	8,449	440	7,765	244	5.2	91.9	2.9	22,270,635	1,090,004	20,460,093	720,538	4.9	91.9	3.2	
	1909	110	181	38	7,443	494	6,485	464	6.6	87.1	6.2	19,975,149	1,292,878	17,750,947	931,324	6.5	88.9	4.7	
Furniture and refrigerators.	1914	31	61	8	3,344	236	3,063	47	7.1	91.5	1.4	7,608,343	511,876	6,995,093	101,374	6.7	91.9	1.3	
	1909	31	59	9	3,427	294	2,979	154	8.6	86.9	4.5	7,380,091	610,278	6,472,122	297,691	8.3	87.7	4.0	
Liquors, malt.....	1914	4	27	1	5,947	123	5,924	.....	0.4	99.6	.....	31,801,404	125,627	31,675,777	.....	0.4	99.6	.....	
	1909	4	25	2	5,646	122	5,624	.....	0.4	99.6	.....	27,446,504	112,707	27,333,797	.....	0.4	99.6	.....	
Lumber and timber products.	1914	570	157	229	9,196	1,680	6,435	1,081	18.3	70.0	11.7	18,306,838	2,640,206	13,915,173	1,841,459	14.4	75.6	10.0	
	1909	633	179	286	13,522	3,268	8,358	1,896	24.2	61.8	14.0	43,508,926	4,094,764	32,512,754	2,247,280	17.6	72.7	9.7	
Printing and publishing..	1914	805	313	235	10,571	2,148	7,706	717	20.3	72.0	6.8	33,173,414	6,378,265	25,079,967	1,715,182	19.2	75.6	5.2	
	1909	772	303	247	10,790	2,154	7,809	827	20.0	72.4	7.6	29,651,153	5,794,603	22,013,459	1,843,091	19.5	74.2	6.2	
Slaughtering and meat packing.	1914	10	24	6	5,200	28	5,139	33	0.5	98.8	0.6	92,060,499	392,938	91,192,177	475,384	0.4	99.1	0.5	
	1909	15	22	8	4,674	35	4,604	35	0.7	98.5	0.7	79,581,294	548,268	78,222,015	811,011	0.7	98.3	1.0	
Total for cities <sup>2</sup> .....	1914	2,151	1,879	603	110,027	8,145	107,254	3,628	6.8	90.1	3.1	481,861,039	28,181,665	440,596,973	13,083,301	5.8	91.4	2.7	
CAPE GIRARDEAU.....	1914	16	20	6	1,259	47	1,179	33	3.7	93.6	2.6	3,888,376	159,035	3,638,312	91,006	4.1	93.6	2.3	
COLUMBIA.....	1914	10	8	4	479	29	413	37	6.1	80.2	7.7	1,299,702	70,056	1,156,023	43,623	5.5	91.0	3.4	
HANNIBAL.....	1914	23	27	19	2,363	82	2,232	72	2.6	94.3	3.0	6,214,645	172,360	5,434,799	607,486	2.8	87.5	9.3	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
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JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	169,292	1.6	96.3	2.1	
JEFFERSON CITY.....	1914	14	21	13	1,401	64	1,306	37	4.6	92.8	2.5	8,086,920	127,532	7,799,076	16				

The table shows that during the five years from 1909 to 1914, there was a considerable increase, as measured by both value of products and value added by manufacture, in the relative importance of the largest establishments—those reporting products val-

ued at not less than \$1,000,000—and a decrease in that of each of the other classes. A similar change took place between 1904 and 1909, with slight exceptions which occur in those groups having products valued at less than \$20,000.

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.....	8,386	8,375	6,464	152,182	152,993	133,167	\$637,952,128	\$574,111,070	\$439,548,957	\$249,237,269	\$219,699,919	\$187,290,540
Less than \$5,000.....	3,611	3,649	2,524	3,911	5,107	3,542	8,426,604	8,272,292	6,055,336	5,352,461	5,293,990	4,077,458
\$5,000 to \$20,000.....	2,512	2,505	1,983	10,152	10,999	10,060	25,008,975	25,001,039	20,344,366	14,351,718	14,249,566	11,879,553
\$20,000 to \$100,000.....	1,449	1,444	1,304	23,127	23,948	23,756	65,177,199	65,057,234	56,375,635	33,028,026	32,157,387	29,100,054
\$100,000 to \$1,000,000.....	710	683	585	61,506	64,791	60,886	209,474,054	204,184,575	167,436,866	87,704,685	84,656,927	76,028,084
\$1,000,000 and over.....	104	94	65	53,486	48,148	34,923	329,867,296	271,595,930	189,336,754	108,800,379	83,342,049	66,205,391
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.....	43.1	43.6	39.0	2.6	3.3	2.7	1.3	1.4	1.4	2.1	2.4	2.2
\$5,000 to \$20,000.....	30.0	29.9	30.7	6.7	7.2	7.6	3.9	4.4	4.6	5.8	6.5	6.3
\$20,000 to \$100,000.....	17.3	17.2	20.2	15.2	15.7	17.8	10.2	11.3	12.8	13.3	14.6	15.5
\$100,000 to \$1,000,000.....	8.5	8.2	9.0	40.4	42.3	45.7	32.8	35.6	38.1	35.2	38.5	40.6
\$1,000,000 and over.....	1.2	1.1	1.1	35.1	31.5	26.2	51.7	47.3	43.1	43.7	37.9	35.3

Table 19 gives, for 1914 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 18 for all industries combined.

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
BOOTS AND SHOES, INCLUDING CUT STOCK AND FINDINGS.....	54	59	100.0	100.0	14,740	17,396	100.0	100.0	\$52,522,006	\$48,751,235	100.0	100.0	\$15,390,628	\$14,211,534	100.0	100.0
Less than \$20,000 <sup>1</sup> .....	5	7	9.2	11.9	35	42	0.2	0.2	37,684	85,288	0.1	0.2	20,657	48,468	0.1	0.3
\$20,000 to \$100,000.....	5	4	9.2	6.8	101	69	0.7	0.4	297,081	157,600	0.6	0.3	111,480	65,062	0.7	0.5
\$100,000 to \$1,000,000.....	27	32	50.0	54.2	5,371	6,435	36.4	37.0	14,185,003	17,520,727	27.0	35.0	5,106,881	5,662,868	33.2	39.8
\$1,000,000 and over.....	17	16	31.5	27.1	9,233	10,850	62.6	62.4	38,002,238	30,987,620	72.4	63.6	10,151,610	8,435,136	66.0	59.4
BREAD AND OTHER BAKERY PRODUCTS.....	1,043	954	100.0	100.0	5,269	4,743	100.0	100.0	19,040,499	18,523,826	100.0	100.0	9,783,693	7,684,492	100.0	100.0
Less than \$5,000.....	503	473	48.2	49.6	221	312	6.1	6.6	1,548,923	1,345,051	7.8	7.3	744,934	617,347	7.6	8.0
\$5,000 to \$20,000.....	466	498	44.7	42.8	1,010	851	19.2	17.9	3,817,534	3,466,654	19.1	18.7	1,825,285	1,584,225	18.7	20.6
\$20,000 to \$100,000.....	54	58	5.2	6.1	660	607	12.5	12.8	2,364,435	2,425,794	11.9	13.1	979,091	1,024,146	10.0	13.3
\$100,000 to \$1,000,000.....	16	11	1.5	1.1	1,091	887	20.7	18.7	4,452,049	3,440,970	22.3	18.6	2,069,905	1,462,361	21.2	19.0
\$1,000,000 and over.....	4	4	0.4	0.4	2,187	2,086	41.5	44.0	7,757,558	7,845,357	38.9	42.3	4,164,478	3,006,413	42.6	39.1
CARRIAGES AND WAGONS AND MATERIALS.....	223	243	100.0	100.0	2,560	3,302	100.0	100.0	6,850,955	8,468,856	100.0	100.0	3,019,396	3,609,026	100.0	100.0
Less than \$5,000.....	100	100	44.8	41.2	107	147	4.2	4.5	258,790	273,785	3.8	3.2	176,719	168,166	5.9	4.7
\$5,000 to \$20,000.....	83	87	37.2	35.8	422	500	16.5	15.1	818,675	846,331	12.0	10.0	544,338	543,392	18.0	15.1
\$20,000 to \$100,000.....	29	38	13.0	15.6	575	759	22.5	20.0	1,250,119	1,511,179	18.2	17.8	680,095	765,552	22.5	21.2
\$100,000 and over <sup>2</sup> .....	11	18	5.0	7.4	1,456	1,896	56.9	57.4	4,523,371	5,837,561	66.0	68.9	1,618,244	2,131,916	53.6	59.1
CLOTHING, MEN'S, INCLUDING SHIRTS.....	90	84	100.0	100.0	8,140	7,994	100.0	100.0	17,300,109	15,407,193	100.0	100.0	7,263,972	6,335,883	100.0	100.0
Less than \$5,000.....	11	9	12.2	10.7	25	26	0.3	0.3	25,474	15,811	0.1	0.1	18,820	13,086	0.3	0.2
\$5,000 to \$20,000.....	19	18	21.1	21.4	230	214	2.8	2.7	186,100	203,360	1.1	1.3	134,917	120,100	1.9	1.9
\$20,000 to \$100,000.....	24	30	26.7	35.7	539	1,016	6.6	12.7	1,283,008	1,714,392	7.4	11.1	618,283	763,843	8.5	12.1
\$100,000 to \$1,000,000.....	32	23	35.6	27.4	4,347	3,953	53.4	49.4	8,314,654	7,555,797	48.1	49.0	3,082,141	3,125,792	42.4	49.3
\$1,000,000 and over.....	4	4	4.4	4.8	2,999	2,785	36.8	34.8	7,490,873	5,917,833	43.3	38.4	3,409,811	2,313,062	46.9	36.5
FLOUR-MILL AND GRISTMILL PRODUCTS.....	641	680	100.0	100.0	2,096	2,198	100.0	100.0	38,686,309	44,508,106	100.0	100.0	5,423,920	5,682,478	100.0	100.0
Less than \$5,000.....	145	138	22.6	20.3	94	60	4.5	2.7	384,498	364,738	1.0	0.8	80,643	79,242	1.5	1.4
\$5,000 to \$20,000.....	241	251	38.1	36.9	275	287	13.1	13.1	2,771,811	2,801,137	7.2	6.3	538,725	574,739	9.9	10.1
\$20,000 to \$100,000.....	182	221	28.4	32.5	534	624	25.5	28.4	7,411,813	9,718,475	19.2	21.8	1,205,274	1,691,347	22.2	29.8
\$100,000 to \$1,000,000.....	65	62	10.1	9.1	874	776	41.7	35.3	20,036,330	19,019,790	51.8	42.7	2,493,546	2,304,640	46.0	40.6
\$1,000,000 and over.....	5	8	0.8	1.2	319	451	15.2	20.5	8,081,857	12,609,966	20.9	28.3	1,105,732	1,032,540	20.4	18.2
FOUNDRY AND MACHINE-SHOP PRODUCTS.....	356	329	100.0	100.0	8,449	7,443	100.0	100.0	22,270,635	19,975,149	100.0	100.0	11,748,725	10,819,432	100.0	100.0
Less than \$5,000.....	85	86	23.9	26.1	84	121	1.0	1.6	195,906	215,198	0.9	1.1	147,418	151,938	1.3	1.4
\$5,000 to \$20,000.....	107	86	30.1	26.1	536	407	6.3	5.5	1,209,410	948,320	5.4	4.7	831,468	624,568	7.1	5.8
\$20,000 to \$100,000.....	114	107	32.0	32.5	1,819	1,689	21.5	22.7	4,985,977	4,677,756	22.4	23.4	2,802,239	2,542,307	23.9	23.5
\$100,000 and over <sup>2</sup> .....	50	50	14.0	15.2	6,010	5,226	71.1	70.2	15,879,342	14,133,875	71.3	70.8	7,967,600	7,500,599	67.8	69.3

<sup>1</sup> Includes the group "less than \$5,000."

<sup>2</sup> Includes the group "\$1,000,000 and over."

**Table 19—Continued.**

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914		1909		1914		1909		1914		1909		1914		1909	
	Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.			
	1914	1909	1914	1909	1914	1909	1914	1909	1914	1909	1914	1909	1914	1909	1914	1909
<b>FURNITURE AND REFRIGERATORS.....</b>	100	99	100.0	100.0	3,346	3,427	100.0	100.0	\$7,608,343	\$7,380,091	100.0	100.0	\$4,075,814	\$4,053,522	100.0	100.0
Less than \$5,000.....	17	13	17.0	13.1	17	9	0.5	0.3	39,658	27,494	0.5	0.4	23,730	18,079	0.6	0.4
\$5,000 to \$20,000.....	20	21	20.0	21.2	107	115	3.2	3.4	223,693	219,717	2.9	3.0	141,283	132,948	3.5	3.3
\$20,000 to \$100,000.....	39	45	39.0	45.5	1,041	1,184	31.1	34.5	2,052,035	2,556,453	27.0	34.6	1,128,547	1,421,988	27.7	35.1
\$100,000 to \$1,000,000.....	24	20	24.0	20.2	2,181	2,119	65.2	61.8	5,292,957	4,576,427	69.6	62.0	2,782,254	2,480,507	68.2	61.2
<b>LIQUORS, MALT.....</b>	32	31	100.0	100.0	5,947	5,646	100.0	100.0	31,801,404	27,446,504	100.0	100.0	24,428,671	19,878,748	100.0	100.0
Less than \$20,000 <sup>1</sup> .....	5	6	15.6	19.4	13	17	0.2	0.3	42,472	54,697	0.1	0.2	29,085	40,788	0.1	0.2
\$20,000 to \$100,000.....	11	12	34.4	38.7	162	112	2.7	2.0	697,173	549,454	2.2	2.0	474,073	393,943	1.9	2.0
\$100,000 to \$1,000,000.....	11	8	34.4	25.8	777	417	13.1	7.4	4,677,039	3,048,848	14.7	11.1	3,164,500	2,341,633	13.0	11.8
\$1,000,000 and over.....	5	5	15.6	16.1	4,995	5,100	84.0	90.3	26,384,720	23,793,505	83.0	86.7	20,761,013	17,102,384	85.0	86.0
<b>LUMBER AND TIMBER PRODUCTS.....</b>	956	1,098	100.0	100.0	9,196	13,522	100.0	100.0	18,396,838	23,260,926	100.0	100.0	9,984,182	12,647,273	100.0	100.0
Less than \$5,000.....	597	626	62.4	57.0	702	1,448	7.6	10.7	1,139,840	1,200,823	6.2	5.2	\$12,441	889,695	8.1	7.0
\$5,000 to \$20,000.....	202	278	21.1	25.3	1,313	2,335	14.3	17.3	2,034,976	2,728,425	11.1	11.7	1,320,901	1,801,100	13.2	14.2
\$20,000 to \$100,000.....	120	151	12.6	13.8	3,035	4,391	33.0	32.5	5,416,421	7,037,774	29.4	30.3	3,173,945	4,173,050	31.8	33.0
\$100,000 and over.....	37	43	3.9	3.9	4,146	5,348	45.1	39.5	9,805,601	12,293,904	53.3	52.9	4,676,895	5,783,428	46.8	45.7
<b>PRINTING AND PUBLISHING.....</b>	1,353	1,322	100.0	100.0	10,571	10,790	100.0	100.0	33,173,414	29,651,153	100.0	100.0	23,602,183	21,024,401	100.0	100.0
Less than \$5,000.....	763	782	56.4	59.2	1,039	1,112	9.8	10.3	1,807,148	1,810,400	5.4	6.1	1,457,120	1,455,657	6.2	6.9
\$5,000 to \$20,000.....	388	362	28.7	27.4	1,651	1,737	15.6	16.1	3,676,837	3,516,225	11.1	11.9	2,918,344	2,749,492	12.3	13.1
\$20,000 to \$100,000.....	143	125	10.6	9.5	2,100	2,074	19.9	19.2	6,009,942	5,191,019	18.1	17.5	4,441,214	3,792,000	18.8	18.0
\$100,000 to \$1,000,000.....	53	48	3.9	3.6	3,861	4,185	36.5	38.8	12,063,024	10,908,559	36.4	36.8	8,324,552	7,649,293	35.3	36.4
\$1,000,000 and over.....	6	5	0.4	0.4	1,920	1,682	18.2	15.6	9,616,463	8,224,950	29.0	27.7	6,460,933	5,377,959	27.4	25.6
<b>SLAUGHTERING AND MEAT PACKING.....</b>	40	45	100.0	100.0	5,200	4,674	100.0	100.0	92,060,499	79,581,294	100.0	100.0	7,376,434	7,383,030	100.0	100.0
Less than \$20,000 <sup>1</sup> .....	7	11	17.5	24.4	6	14	0.1	0.3	30,129	113,272	(*)	0.1	12,451	23,910	0.2	0.3
\$20,000 to \$100,000.....	11	14	27.5	31.1	60	52	1.2	1.1	604,621	750,029	0.5	0.9	112,076	110,578	1.5	1.5
\$100,000 to \$1,000,000.....	13	12	32.5	26.7	217	274	4.2	5.9	3,454,019	4,284,842	3.8	5.4	411,260	516,027	5.6	7.0
\$1,000,000 and over.....	9	8	22.5	17.8	4,917	4,334	94.6	92.7	88,071,730	74,433,151	95.7	93.5	6,840,647	6,732,515	92.7	91.2

<sup>1</sup> Includes the group "less than \$5,000."

<sup>2</sup> Includes the group "\$1,000,000 and over."

<sup>3</sup> Less than one-tenth of 1 per cent.

It will be noted that the average number of wage earners, value of products, and value added by manufacture per establishment are high in the boot and shoe, malt-liquor, and slaughtering and meat-packing industries; while the averages are low in the bread and bakery products, lumber, and printing and publishing industries. The average value of products per establishment in the slaughtering and meat-packing industry was \$2,301,512, and in the lumber and timber industry, \$19,244.

Of the establishments reporting a product of \$1,000,000 and over, the boot and shoe industry, the malt-liquor industry, and slaughtering and meat packing reported 72.4 per cent, 83 per cent, and 95.7 per cent, respectively, of the total value of products for the industry. The only industry shown in which the establishments in the groups \$100,000 and over did not report more than 60 per cent of the total value of products was lumber and timber, which is carried on quite commonly throughout the state in small establishments in small towns as well as in the large city plants. For the industries shown, with the exception of malt liquors, boots and shoes, and carriages and wagons and materials, the proportion of the value of products contributed by the group of largest establishments has increased during the period 1909-1914.

Other important industries having a high average value of products per establishment are tobacco, chewing and smoking; coffee and spice, roasting and grinding; and chemicals; but, in order to avoid disclosing the operations of individual establishments,

these industries are not shown separately in the table.

Table 20 presents, for all industries combined, in each of the cities having more than 10,000 inhabitants, except Independence, statistics similar to those given in Table 18 for the state as a whole.

**Table 20**

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.
<b>CAPE GIRARDEAU.....</b>	42	1,259	100.0	\$3,888,376	100.0	\$1,532,586	100.0
Less than \$5,000.....	9	9	0.7	25,743	0.7	15,280	1.0
\$5,000 to \$20,000.....	14	71	5.6	133,134	3.4	80,674	5.3
\$20,000 to \$100,000.....	13	198	15.7	497,434	12.8	304,417	19.9
\$100,000 and over <sup>1</sup> .....	6	981	77.9	3,232,065	83.1	1,132,215	73.9
<b>COLUMBIA.....</b>	22	479	100.0	1,269,702	100.0	767,655	100.0
Less than \$5,000.....	4	2	0.4	8,810	0.7	7,220	0.9
\$5,000 to \$20,000.....	11	65	13.6	115,469	9.1	82,444	10.7
\$20,000 to \$100,000.....	4	35	7.3	113,274	8.9	52,056	6.8
\$100,000 to \$1,000,000.....	3	377	78.7	1,032,149	81.3	625,935	81.5
<b>HANNIBAL.....</b>	66	2,366	100.0	6,214,645	100.0	2,419,579	100.0
Less than \$5,000.....	19	31	1.3	43,160	0.7	29,366	1.2
\$5,000 to \$20,000.....	20	113	4.8	198,664	3.2	103,368	4.3
\$20,000 to \$100,000.....	19	319	13.5	898,483	14.5	451,218	18.8
\$100,000 and over <sup>1</sup> .....	8	1,903	80.4	5,074,338	81.6	1,832,627	75.7
<b>JEFFERSON CITY.....</b>	50	1,401	100.0	8,086,920	100.0	3,343,426	100.0
Less than \$5,000.....	8	10	0.7	21,065	0.3	15,607	0.5
\$5,000 to \$20,000.....	24	103	7.4	264,945	3.3	174,931	5.2
\$20,000 to \$100,000.....	6	55	3.9	257,124	3.2	121,035	3.6
\$100,000 and over <sup>1</sup> .....	12	1,233	88.0	7,543,786	93.3	3,031,853	90.7
<b>JOPLIN.....</b>	100	1,156	100.0	5,950,150	100.0	1,829,915	100.0
Less than \$5,000.....	34	25	2.2	77,722	1.3	49,575	2.7
\$5,000 to \$20,000.....	39	136	11.8	406,483	6.8	220,814	12.1
\$20,000 to \$100,000.....	16	251	21.7	769,564	12.9	334,238	21.0
\$100,000 and over <sup>1</sup> .....	11	744	64.3	4,696,381	78.9	1,175,288	64.2

<sup>1</sup> Includes the group, "\$1,000,000 and over."

Table 20—Contd.

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.
KANSAS CITY.....	1,052	16,252	100.0	\$60,953,411	100.0	\$23,972,788	100.0
Less than \$5,000.....	320	269	1.7	839,388	1.4	540,386	1.9
\$5,000 to \$20,000.....	367	1,417	8.7	3,794,493	6.2	2,417,063	8.3
\$20,000 to \$100,000.....	257	3,831	23.6	11,227,558	18.4	6,185,436	21.3
\$100,000 to \$1,000,000.....	99	7,563	46.5	28,404,465	46.6	12,610,109	43.5
\$1,000,000 and over.....	9	3,172	19.5	16,687,507	27.4	7,219,794	24.9
MOBERLY.....	30	1,411	100.0	3,136,734	100.0	1,299,164	100.0
Less than \$5,000.....	9	9	0.6	25,200	0.8	16,893	1.3
\$5,000 to \$20,000.....	9	42	3.0	86,559	2.8	50,656	3.9
\$20,000 and over <sup>1</sup> .....	12	1,360	96.4	3,024,975	96.4	1,231,615	94.9
ST. CHARLES.....	19	1,683	100.0	4,993,624	100.0	1,920,420	100.0
Less than \$5,000.....	5	7	0.4	14,624	0.3	9,777	0.5
\$5,000 to \$20,000.....	7	35	2.1	82,515	1.7	48,333	2.5
\$20,000 and over <sup>1</sup> .....	7	1,641	97.5	4,896,485	98.0	1,862,307	97.0
ST. JOSEPH.....	267	4,914	100.0	17,067,642	100.0	6,460,292	100.0
Less than \$5,000.....	91	79	1.6	209,151	1.2	132,011	2.0
\$5,000 to \$20,000.....	90	381	7.8	1,024,024	6.0	591,930	9.2
\$20,000 to \$100,000.....	51	793	16.1	2,190,967	12.8	1,066,820	16.5
\$100,000 and over <sup>2</sup> .....	35	3,661	74.5	13,643,500	80.0	4,666,531	72.3
ST. LOUIS.....	2,787	85,058	100.0	360,479,568	100.0	156,673,572	100.0
Less than \$5,000.....	881	753	0.9	2,254,502	0.6	1,444,107	0.9
\$5,000 to \$20,000.....	823	3,225	3.8	8,117,076	2.3	5,130,655	3.3
\$20,000 to \$100,000.....	619	11,436	13.4	30,004,838	8.3	16,907,164	10.8
\$100,000 to \$1,000,000.....	397	36,498	42.9	114,112,162	31.7	52,429,960	33.5
\$1,000,000 and over.....	67	33,146	39.0	205,991,290	57.1	80,761,686	51.5
SEDALIA.....	69	903	100.0	2,921,686	100.0	970,786	100.0
Less than \$5,000.....	25	33	3.7	62,127	2.1	42,693	4.4
\$5,000 to \$20,000.....	21	79	8.7	209,274	7.2	119,293	12.3
\$20,000 to \$100,000.....	15	151	16.7	681,668	23.3	354,328	36.5
\$100,000 to \$1,000,000.....	5	640	70.9	1,968,617	67.4	454,472	46.8
SPRINGFIELD.....	109	2,009	100.0	6,192,954	100.0	2,427,099	100.0
Less than \$5,000.....	32	42	2.1	74,187	1.2	48,051	2.0
\$5,000 to \$20,000.....	42	223	11.1	415,135	6.7	247,717	10.2
\$20,000 to \$100,000.....	21	342	17.0	1,088,677	17.6	540,264	22.3
\$100,000 and over <sup>2</sup> .....	14	1,402	69.8	4,614,955	74.5	1,591,037	65.5
WEBB CITY.....	20	136	100.0	706,227	100.0	218,332	100.0
Less than \$5,000.....	7	10	7.4	16,533	2.3	9,695	4.4
\$5,000 to \$20,000.....	8	34	25.0	77,357	11.0	47,160	21.6
\$20,000 and over <sup>3</sup> .....	5	92	67.6	611,817	86.6	161,477	74.0

<sup>1</sup> Includes the groups "\$100,000 to \$1,000,000" and "\$1,000,000 and over."  
<sup>2</sup> Includes the group "\$1,000,000 and over."  
<sup>3</sup> Includes the group "\$100,000 and over."

The cities having the highest average value of products per establishment, for all classes combined, were St. Charles, with \$262,822, and Jefferson City, with \$161,738; and those having the lowest averages were Sedalia and Webb City, with \$42,343 and \$35,311, respectively. There were 67 establishments in St. Louis having products in excess of \$1,000,000.

For every city shown, a majority of the establishments are in those classes having products valued at less than \$20,000, but only in the case of wage earners for Webb City, are the average number of wage earners or the value of products reported more than 15 per cent of the totals for the city.

Table 21 shows the size of establishments in 1914, as measured by number of wage earners employed. The figures given are for all industries combined, for 19 of the more important industries individually, and for 13 cities having more than 10,000 inhabitants.

Table 22 presents, for 1914, percentages based on the figures in Table 21, and for 1909, similar percentages for all industries combined and for individual industries in the state as a whole.

Of the 8,386 establishments reported for all industries, 1,311, or 15.6 per cent, employed no wage earners. These were small establishments in which the work was done by the proprietors or firm members. In some cases a few wage earners were employed for a short period, 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 these establishments. The most numerous single group consists of 4,684 establishments, 55.9 per cent of the total number, employing from 1 to 5 wage earners. The establishments employing more than 100 wage earners numbered 295, of which 43 employed more than 500 each. Among the latter were 6 steam-railroad repair shops, 7 boot and shoe factories, 4 breweries, and 5 slaughtering and meat-packing establishments.

Of the wage earners, 44.1 per cent of the total were in establishments employing more than 250 wage earners. The single group reporting the largest number of employees is that comprising the establishments having 251 to 500 wage earners, which gave employment to 27,474 wage earners, or 18.1 per cent of the total for all industries. This group shows an average of 352 wage earners per establishment, 43.9 per cent of the total number of wage earners employed in the boot and shoe industry being in establishments of this class. Electrical machinery, apparatus, and supplies and glass also show large percentages of wage earners in the establishments employing 251 to 500 wage earners, 51.9 per cent and 42.2 per cent, respectively.

There was a slight increase during the period 1909-1914 in the proportion of wage earners in those groups of establishments employing more than 250 (as shown by Table 22). The industries showing the greatest increases in this respect are electrical machinery, apparatus, and supplies; confectionery; copper, tin, and sheet-iron products; and glass; while brick, tile, pottery, and other clay products and malt liquors, show the greatest decreases.

For the 13 cities shown, there were 688, or 14.8 per cent, of the 4,633 establishments which employed no wage earners; 2,111, or 45.6 per cent, employed 1 to 5 wage earners; and 98, or 2.1 per cent, more than 250 wage earners. Of the total number of wage earners, 44.4 per cent were in the latter class, and the average per establishment was 540. With the exception of Webb City, each city in the table shows one or more establishments employing more than 250 wage earners.

Table 21

INDUSTRY AND CITY.	ESTABLISHMENTS EMPLOYING—																		
	TOTAL.		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.	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.....	8,386	152,182	1,311	4,684	9,865	1,327	14,845	534	17,274	235	16,676	174	26,444	78	27,474	32	22,518	11	17,086
Boots and shoes, including cut stock and findings.....	54	14,740	2	3	6	3	40	3	90	6	440	12	2,114	18	6,477	6	4,075	1	1,498
Bread and other bakery products.....	1,043	5,269	227	738	1,283	53	551	16	502	2	160	3	586	3	1,256	1	981		
Brick, tile, pottery, and other clay products.....	93	5,196		33	87	22	301	14	471	10	769	10	1,441	2	604	1	522	1	1,001
Carriages and wagons and materials.....	223	2,560	32	124	305	45	450	15	479	2	151	4	617				568		
Cars and general shop construction and repairs by steam-railroad companies.....	39	9,721		2	8	5	53	7	214	5	363	7	1,083	7	2,660	5	4,210	1	1,130
Clothing, men's, including shirts.....	90	8,140	6	17	56	20	250	15	578	9	597	15	2,179	4	1,481	4	2,999		
Clothing, women's.....	74	2,355		9	31	32	392	19	617	10	674	3	885	1	256				
Confectionery.....	100	2,520	15	59	114	9	110	4	136	4	342	3	1,330	1	483				
Copper, tin, and sheet-iron products.....	195	2,506	16	124	279	34	327	9	301	4	297	7	990	1	312				
Electrical machinery, apparatus, and supplies.....	19	2,590		8	22	4	47	2	57					4	1,329			1	1,105
Flour-mill and gristmill products.....	641	2,096	134	431	841	57	569	15	412	4	274			5	569				
Foundry and machine-shop products.....	353	8,449	25	145	384	107	1,177	33	1,010	18	1,342	20	2,719	2	1,837				
Furniture and refrigerators.....	100	3,346	5	25	69	26	317	25	934	13	958	4	495	2	673				
Glass.....	7	2,248		6	19	1	11	1	35			1	134	3	949			1	1,119
Liquors, malt.....	32	5,947		6	19	9	130	4	95	6	473	2	235	1	491	3	2,176	1	2,323
Lumber and timber products.....	956	9,196	91	621	1,051	139	1,601	99	2,173	22	1,441	10	1,652	4	1,278				
Printing and publishing.....	1,353	10,571	301	788	1,897	160	1,734	56	1,809	21	1,422	13	1,952	4	1,219	1	538	1	1,705
Slaughtering and meat packing.....	40	5,200	4	9	20	15	182	3	81	2	130	1	102	1	292	4	2,688	1	2,491
Tobacco manufactures.....	431	3,997	173	208	414	31	335	9	304	2	108	2	345			6	3,821	3	4,700
All other industries.....	2,540	45,565	275	1,331	2,999	546	6,268	215	6,976	95	6,735	52	8,085	17	3,972				
Total for cities <sup>1</sup> .....	4,633	119,027	688	2,111	4,912	962	10,887	432	14,073	192	13,590	150	22,656	65	22,740	26	18,142	7	12,027
CAPE GIRARDEAU.....	42	1,259	3	17	43	14	179	5	167			2	257				613		
COLUMBIA.....	22	479	2	12	34	5	51	1	28		74		1		262				
HANNIBAL.....	66	2,366	7	28	68	18	194	3	208			2	210	1	284	2	1,353		
JEFFERSON CITY.....	50	1,401	6	26	69	11	132	2	74			3	540	2	586				
JOPLIN.....	100	1,156	16	62	112	21	241	7	224	3	184		1	395					
KANSAS CITY.....	1,052	16,252	130	535	1,216	244	2,740	83	2,719	27	1,823	23	3,248	9	3,575	1	931		
MOBERLY.....	30	1,411	3	17	47	8	84					1	332	1	948				
ST. CHARLES.....	19	1,683		10	28	7	59					1	484					1	1,112
ST. JOSEPH.....	267	4,914	37	128	278	57	596	21	713	9	690	13	2,006	2	631				
ST. LOUIS.....	2,787	85,058	468	1,176	2,723	528	6,109	292	9,496	146	10,371	105	16,175	46	15,727	20	13,542	6	10,915
SEDALIA.....	69	903	4	43	103	16	129	4	112			1	103	1	454				
SPRINGFIELD.....	109	2,009	11	54	158	28	325	9	272	5	391	1	108						
WEBB CITY.....	20	136	1	13	31	5	48			1	57								

<sup>1</sup> Statistics for Independence can not be shown without disclosing individual operations.

Table 22

INDUSTRY AND CITY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.								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			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 1909	6.5 6.8	9.7 10.4	11.4 11.1	11.0 11.0	17.4 19.0	18.1 17.4			14.8 11.1	11.2 13.3	Furniture and refrigerators.....	1914 1909	2.1 1.5	9.5 10.0	27.9 28.2	28.6 25.1	14.8 25.1	17.1 10.1
Boots and shoes, including cut stock and findings.....	1914 1909	( <sup>1</sup> ) 0.1	0.3 0.4	0.6 0.1	3.0 2.5	14.3 14.9	43.9 36.9	27.6 25.2	10.2 19.8	Glass.....	1914 1909		0.5	1.5		6.0 18.6	42.2 20.7	49.8 60.7			
Bread and other bakery products.....	1914 1909	24.3 25.1	10.5 8.4	9.5 6.4	3.0 4.1	11.1 12.0	23.8 26.0	17.7 18.0		Liquors, malt.....	1914 1909	0.3 0.3	2.2 2.4	1.6 1.7	8.0 5.3	3.9 8.6	8.3 38.8	36.6 42.9			
Brick, tile, pottery, and other clay products.....	1914 1909	1.7 2.9	5.8 5.8	9.1 8.3	14.8 11.4	27.7 22.3	11.6 13.6	10.0 11.5	19.3 24.2	Lumber and timber products.....	1914 1909	11.4 11.9	17.4 20.8	23.6 19.3	15.7 18.2	18.0 14.6	13.9 15.1				
Carriages and wagons and materials.....	1914 1909	11.9 10.1	17.6 19.5	18.7 16.8	5.9 19.0	24.1 13.3		21.8 16.3		Printing and publishing.....	1914 1909	17.9 17.1	16.4 15.9	17.1 14.7	13.5 15.6	18.5 15.9	11.5 14.1	5.1 6.6			
Cars and general shop construction and repairs by steam-railroad companies.....	1914 1909	0.1 0.1	0.5 1.1	2.2 0.9	3.7 2.9	11.1 19.0	27.4 28.8	43.3 6.6	11.6 40.6	Slaughtering and meat packing.....	1914 1909	0.4 0.8	3.5 2.7	1.5 3.8	2.5 2.7	2.0 2.9	5.6 21.3	51.7 30.3	32.8 35.6		
Clothing, men's, including shirts.....	1914 1909	0.7 0.6	3.1 2.1	7.1 8.6	7.3 7.0	26.8 24.6	18.2 27.9	36.8 16.5	12.6	Tobacco manufactures.....	1914 1909	10.4 10.7	8.4 9.7	7.6 8.4	2.7 3.0	8.6 9.7		62.3 56.3			
Clothing, women's.....	1914 1909	1.3 0.8	16.6 15.9	26.2 20.4	28.6 20.1	16.3 32.6	10.9 10.2			All other industries.....	1914 1909	6.6 6.7	13.8 13.3	15.3 15.1	14.8 13.1	17.7 20.4	13.1 13.5	8.4 10.0	10.3 7.9		
Confectionery.....	1914 1909	4.5 3.9	4.4 5.4	5.4 0.5	13.6 17.4	52.8 63.9	19.4			Total for cities.....	1914	4.1	9.2	11.8	11.4	19.0	19.1	15.2	10.1		
Copper, tin, and sheet-iron products.....	1914 1909	11.1 12.9	13.0 16.0	12.0 16.4	11.9 12.6	39.5 42.1	12.5			CAPE GIRARDEAU.....	1914	3.4	14.2	13.3		20.4		48.7			
Electrical machinery, apparatus, and supplies.....	1914 1909	0.9 2.1	1.8 7.2	2.2		51.9 53.6	43.2			COLUMBIA.....	1914	7.1	10.6	5.8	15.4		61.0				
Flour-mill and gristmill products.....	1914 1909	40.1 39.0	27.1 31.6	19.7 15.6	13.1 9.2					HANNIBAL.....	1914	2.9	8.2	11.3		9.3	11.2	57.2			
Foundry and machine-shop products.....	1914 1909	4.3 4.6	13.9 15.8	11.9 13.1	15.9 19.7	32.2 34.8	21.7 12.0			JEFFERSON CITY.....	1914	4.9	9.4	5.3		38.5	41.8				
										JOPLIN.....	1914	9.7	20.8	19.4	15.9		34.2				
										KANSAS CITY.....	1914	8.5	16.9	16.7	11.2	20.0	22.0	5.7			
										MOBERLY.....	1914	3.3	6.0			23.5	67.2				
										ST. CHARLES.....	1914	1.7	3.5			28.8	66.1				
										ST. JOSEPH.....	1914	5.7	12.1	14.5	14.0	40.8	12.8				
										ST. LOUIS.....	1914	3.2	7.2	11.2	12.2	19.0	18.5	15.9	12.8		
										SEDALIA.....	1914	11.6	14.3	12.4		11.4	50.3				
										SPRINGFIELD.....	1914	7.9	16.2	13.5	19.5	5.4		37.6			
										WEBB CITY.....	1914	22.8	35.3		41.9						

<sup>1</sup> Less than one-tenth of 1 per cent.

Engines and power.—Table 23 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.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1914	1909	1904	Amount.			Per cent distribution.		
				1914	1909	1904	1914	1909	1904
Primary power, total.....	16, 197	11, 545	4, 083	391, 385	340, 467	247, 861	100. 0	100. 0	100. 0
Owned.....	4, 824	5, 140	4, 083	305, 014	295, 391	232, 566	77. 9	88. 8	93. 8
Steam engines and turbines.....	3, 458	3, 802	3, 257	283, 490	280, 494	223, 879	72. 4	82. 4	90. 3
Internal-combustion engines.....	1, 273	1, 200	658	18, 321	11, 159	4, 960	4. 7	3. 3	2. 0
Water wheels, turbines, and motors.....	123	138	168	3, 293	3, 738	3, 727	0. 8	1. 1	1. 5
Rented.....	11, 373	6, 405	(*)	86, 371	45, 076	15, 295	22. 1	13. 2	6. 2
Electric.....	11, 373	6, 405	(*)	84, 382	44, 056	13, 965	21. 6	12. 9	5. 6
Other.....				2, 009	1, 020	1, 330	0. 5	0. 3	0. 5
Electric.....	18, 951	11, 534	(*)	181, 981	106, 941	37, 671	100. 0	100. 0	100. 0
Rented.....	11, 373	6, 405	(*)	84, 382	44, 056	13, 965	46. 4	41. 2	37. 1
Generated by establishments reporting.....	7, 578	5, 129	2, 382	97, 619	62, 885	23, 706	53. 6	58. 8	62. 9

\* Figures for horsepower include for 1909 and 1904 the amounts reported under the head of "other" owned power.

\*\* Not reported.

For 1914 the total primary power reported was 391,385 horsepower, as against 340,467 in 1909, the increase being 50,918 horsepower, or 15 per cent. Although steam furnishes the bulk of power used, its relative importance diminished somewhat between the two censuses. The total horsepower of steam engines and turbines in use in 1914 was 283,490 horsepower, or 72.4 per cent of the primary power, as compared with 280,494, or 82.4 per cent of the total, in 1909. This decrease in relative importance is due to the increasing use of rented electric power and of internal-combustion engines, which together represented 26.3 per cent of the total primary power in 1914, as against 16.2 per cent in 1909.

The use of water power shows a marked decline during the same period, the horsepower of water wheels, turbines, and motors decreasing 14.3 per cent for the period 1909-1914.

The power of motors operated by current generated in the establishments where used was equivalent to 24.9 per cent of the total primary power in 1914, as against 18.5 per cent in 1909. The aggregate capacity of the electric motors in use—both those run by rented electric current and those run by current generated in the same establishments—in 1914 was 181,981 horsepower. The use of electric power, both owned and rented, during the five-year period 1909-1914 increased by 70.2 per cent. Practically all industries reported electric power, the most important being cement, with 20,125 horsepower; glass, 14,822; malt liquors, 14,026; and printing and publishing, 11,545.

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 24 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 each city.

INDUSTRY AND CITY.	COAL.				
	An-thra-cite (tons, 2,240 lbs.).	Bitu-minous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, in-cluding gasoline (barrels).	Gas (1,000 cubic feet).
All industries.....	15, 100	3, 577, 688	222, 717	1, 346, 828	1, 073, 686
Boots and shoes, including cut stock and findings.....	6, 550	42, 034		18	4, 162
Bread and other bakery products.....	4, 218	52, 743	13, 347	24, 958	140, 441
Brick, tile, pottery, and other clay products.....	35	401, 236	540	96, 035	118, 210
Carriages and wagons and materials.....	675	7, 504	163	379	4, 129
Cars and general shop construction and repairs by steam-railroad companies.....		223, 077	675	34, 168	502
Clothing, men's, including shirts.....	61	11, 140	15	79	11, 627
Confectionery.....	41	23, 484	1, 565	430	23, 908
Copper, tin, and sheet-iron products.....	47	9, 946	755	2, 800	19, 282
Flour-mill and gristmill products.....	74	134, 496	2	4, 919	14, 209
Foundry and machine-shop products.....	671	68, 827	36, 962	21, 633	73, 020
Furniture and refrigerators.....	15	16, 683	748	196	4, 873
Gas, illuminating and heating.....	208	330, 095	92, 826	286, 480	40, 494
Glass.....		221, 666	2, 922	40, 326	800
Ice, manufactured.....		317, 521		5, 589	108, 447
Iron and steel, steel works and rolling mills.....		48, 135	1, 836	95, 976	
Leather goods.....	29	6, 789	102	67	823
Lime.....		34, 532			
Liquors, malt.....		281, 174	4, 919	114, 435	12, 114
Lumber and timber products.....	16	35, 191	1, 061	3, 614	4, 630
Paint and varnish.....	4	20, 613	210	1	1, 138
Printing and publishing.....	572	26, 535	45	13, 548	65, 551
Slaughtering and meat packing.....		223, 730		74, 916	199, 531
Stoves and furnaces, including gas and oil stoves.....	7	14, 999	3, 173		576
All other industries.....	1, 877	965, 478	61, 721	526, 202	220, 169
Total for cities.....	12, 891	2, 205, 921	175, 243	711, 453	806, 744
CAPE GIRARDEAU.....		17, 262		25	
COLUMBIA.....	4	6, 821		1, 195	409
HANNIBAL.....	81	33, 657	3, 679	2, 113	1, 453
INDEPENDENCE.....	9	11, 702	1, 609	3, 232	42, 114
JEFFERSON CITY.....	6	8, 212	990	2, 443	2, 235
JOPLIN.....	43	9, 500	7, 309	866	152, 005
KANSAS CITY.....	1, 154	145, 102	8, 438	261, 232	158, 670
MOBERLY.....	2, 026	18, 505	653	2, 037	206
ST. CHARLES.....	53	24, 321	1, 116	7, 688	890
ST. JOSEPH.....	283	46, 959	1, 909	13, 634	232, 594
ST. LOUIS.....	9, 115	1, 809, 267	145, 024	402, 195	163, 899
SEDALIA.....		17, 993	31	93	10, 439
SPRINGFIELD.....	84	51, 353	3, 446	14, 624	3, 171
WEBB CITY.....	3	207	540	25	38, 651

The principal fuel used was bituminous coal, although the proximity of some of the large industries to the Kansas and Oklahoma oil fields enabled them to use crude petroleum and natural gas as fuel.

## 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 six important industries in Missouri are here presented, together with statistics for power laundries.

**Slaughtering and meat packing.**—This classification embraces wholesale slaughtering and meat-packing establishments only. Table 25 shows detail statistics for the materials and products for the industry for 1914, 1909, and 1904. The cost of "all other materials" includes ice, containers, curing materials, seasoning, cottonseed oil, fuel, rent of power, mill supplies, and freight. The value of canned goods, meat puddings, headcheese, scrapple, etc., lard compounds and substitutes, other oils, soap stock, oleo-margarine, hoofs, horns, horntips, etc., glue, goat and kid and other skins, and wool, have been included in "all other products," to avoid disclosure of individual reports.

Table 25	1914	1909	1904
<b>MATERIALS.</b>			
Total cost.....	\$54,335,435	\$72,004,428	\$54,042,087
<b>Animals slaughtered:</b>			
Beeves—			
Number.....	359,910	530,356	573,887
Cost.....	\$24,718,132	\$24,332,919	\$22,047,756
Calves—			
Number.....	45,213	81,551	52,044
Cost.....	\$637,528	\$821,820	\$389,123
Sheep and lambs—			
Number.....	776,751	546,649	564,784
Cost.....	\$4,192,669	\$2,659,215	\$2,224,718
Hogs—			
Number.....	2,793,439	2,471,658	2,126,932
Cost.....	\$47,559,427	\$36,911,941	\$23,253,132
Dressed meat purchased for curing, cost.....	<sup>1</sup> \$2,642,470	<sup>1</sup> \$4,015,472	<sup>1</sup> \$1,358,866
All other materials, cost.....	\$4,585,209	\$3,263,052	\$4,768,492
<b>PRODUCTS.</b>			
Total value.....	\$91,608,121	\$79,325,733	\$60,031,133
<b>Fresh meat:</b>			
Beef—			
Pounds.....	183,947,055	273,808,501	315,665,100
Value.....	\$20,469,895	\$20,038,884	\$19,171,944
Veal—			
Pounds.....	4,402,875	8,831,469	5,421,809
Value.....	\$549,457	\$767,841	\$386,860
Mutton and lamb—			
Pounds.....	30,382,856	21,806,982	23,555,759
Value.....	\$3,409,063	\$2,209,306	\$1,834,529
Pork—			
Pounds.....	164,944,862	138,974,435	118,797,174
Value.....	\$18,746,424	\$13,492,089	\$8,444,749
All other fresh meat—			
Pounds.....	20,108,325	10,867,868	2,630,218
Value.....	\$1,335,734	\$1,450,509	\$120,090
<b>Cured meat:</b>			
Beef, pickled and other cured—			
Pounds.....	1,253,335	1,668,474	904,663
Value.....	\$186,995	\$168,055	\$55,576
Pork, pickled and other cured—			
Pounds.....	209,922,094	222,224,021	195,757,762
Value.....	\$28,393,231	\$24,769,411	\$15,512,369
Sausage:			
Pounds.....	16,183,674	18,022,911	19,272,945
Value.....	\$1,984,958	\$1,376,818	\$1,304,473
Lard:			
Pounds.....	72,410,760	48,835,133	33,215,200
Value.....	\$7,573,570	\$5,593,067	\$2,313,586
Oleo oil:			
Gallons.....	833,249	846,066	1,829,250
Value.....	\$564,369	\$709,777	\$1,021,529

<sup>1</sup> Includes cost of all other animals.

Table 25—Continued.	1914	1909	1904
<b>PRODUCTS—Continued.</b>			
Tallow, oleo stock, and stearin:			
Pounds.....	10,642,879	14,122,291	(1)
Value.....	\$773,813	\$1,156,139	(1)
Sausage casings:			
Pounds.....	4,561,258	(1)	(1)
Value.....	\$473,885	(1)	(1)
Fertilizers and fertilizer materials:			
Tons.....	15,973	19,482	42,249
Value.....	\$473,606	\$564,335	\$617,080
Hides and pelts:			
Cattle—			
Number.....	359,910		
Pounds.....	21,920,168		
Value.....	\$3,449,506	567,275	612,670
Calves—			
Number.....	33,971	32,406,006	37,971,556
Pounds.....	526,789	\$4,427,484	\$3,349,715
Value.....	\$94,932		
Sheep—			
Number.....	776,751	281,627	580,261
Value.....	\$870,028	\$330,199	\$547,801
All other products, value.....	\$2,308,925	\$2,269,819	\$5,350,232

<sup>1</sup> Not reported separately.

The total cost of materials increased \$12,331,007, or 17.1 per cent, and the total value of products, \$12,282,388, or 15.5 per cent, during the census period 1909–1914. There were 3,975,313 animals slaughtered in 1914, 3,630,214 in 1909, and 3,317,647 in 1904, indicating a normal increase in the aggregate number during each period. The total production of fresh and cured meat, however, declined from 1909 to 1914. This decrease is attributed to the decline in the number of beeves and calves slaughtered and also to the decrease in the average weights of these animals.

**Boots and shoes.**—The number of pairs of the different kinds of boots and shoes made in 1914, 1909, and 1904 is given in the following table:

Table 26	NUMBER OF PAIRS.		
	1914	1909	1904
PRODUCT.			
Boots and shoes.....	20,444,240	24,657,160	15,918,052
Men's.....	8,840,878	9,309,028	5,740,729
Boys' and youths'.....	748,018	2,087,258	1,819,192
Women's.....	6,753,611	8,642,965	5,933,114
Misses' and children's.....	4,096,733	4,623,909	2,365,017
Slippers.....	102,422	616,229	249,506
All other.....	321,600	657,718	272,000

The total output for all kinds of boots and shoes in 1914 was 20,444,240 pairs, a decrease of 4,212,920, or 17.1 per cent, in the actual number of pairs manufactured in 1909. This is in part due to the liquidation of some establishments and curtailment of output in others. The proportion of the total for the United States represented by Missouri is 7.1 per cent, the corresponding percentage for 1909 being 9.1.

Men's boots and shoes form the leading class as in 1909 and show the smallest decrease in output, 5 per cent. Women's boots and shoes, which are next in importance, decreased 21.8 per cent, as compared with 1909, while misses' and children's decreased 11.4 per cent.

Table 27 shows the output of the industry, classified according to the method of manufacture.

PRODUCT.	Cen-sus year.	NUMBER OF PAIRS, BY METHOD OF MANUFACTURE.			
		Total.	Welted.	McKay.	Turned and wood or metal fastened.
Boots and shoes.....	1914	20,444,240	7,364,001	9,318,739	3,761,500
	1909	21,657,160	7,423,545	14,204,733	3,028,882
Men's.....	1914	8,840,878	5,188,588	1,337,283	2,315,007
	1909	9,303,028	5,584,054	2,299,792	1,419,182
Boys' and youths'.....	1914	748,018	188,803	227,081	332,134
	1909	2,087,258	382,802	1,533,768	170,688
Women's.....	1914	6,758,611	1,986,610	4,224,983	547,018
	1909	8,642,965	1,374,610	6,056,358	1,211,997
Misses' and children's.....	1914	4,096,733	(1)	3,529,392	567,341
	1909	4,623,909	82,079	4,314,815	227,015
Slippers.....	1914	102,422	.....	102,422	.....
	1909	616,229	.....	616,229	.....
All other.....	1914	321,690	.....	321,690	.....
	1909	657,718	.....	657,718	.....

<sup>1</sup> Included with "turned and wood or metal fastened." <sup>2</sup> Includes "turned."

The McKay method was used for 45.6 per cent of the boots and shoes produced, the welted for 36 per cent, and the larger part of the remainder was wood or metal fastened.

Of the men's shoes, almost 60 per cent were welted, practically the same proportion as in 1909, while wood or metal fastened represent 26.2 per cent in 1914 and 15.3 in 1909; the remainder, 15.1 per cent, was McKay, no turned shoes being reported for this class. Of the women's shoes, 62.5 per cent and of the misses' and children's shoes, 86.2 per cent were of the McKay type; this style also predominated in 1909. The other classes of footwear formed only a negligible part of the total and were practically all McKay.

Flour-mill and gristmill products.—Table 25 gives the quantities and values of the products of this industry for the census years, 1914, 1909, and 1904.

	1914	1909	1904
Products, total value.....	\$38,686,309	\$44,508,106	\$38,026,142
Wheat flour:			
Barrels.....	5,402,391	5,672,269	6,175,541
Value.....	\$25,638,116	\$30,054,023	\$28,512,755
Corn meal and corn flour:			
Barrels.....	763,678	1,020,738	935,318
Value.....	\$2,641,988	\$3,129,694	\$2,343,395
Hominy and grits:			
Pounds.....	21,853,523	26,726,254	58,814,607
Value.....	\$373,432	\$413,234	\$613,653
Bran and middlings:			
Tons (2,000 lbs.).....	210,068	.....	.....
Value.....	\$5,071,600	.....	.....
Feed and offal:			
Tons.....	188,597	425,467	367,877
Value.....	\$4,898,895	\$9,711,059	\$6,528,010
All other products, value.....	\$67,278	\$1,200,091	\$28,320

In 1914 wheat flour formed 66.3 per cent of the total value of products of this industry, and bran and middlings combined with feed and offal, 25.8 per cent; the corresponding proportions for 1909 were 67.5 per cent and 21.8 per cent, respectively.

Printing and publishing.—Table 29 shows the number of publications, classified according to the period of issue, and the aggregate circulation per issue of each class for the census years 1914, 1909, and 1904.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1914	1909	1904	1914	1909	1904
Total.....	1,004	1,003	1,032	9,098,333	7,577,639	8,133,162
Daily.....	89	81	92	1,432,219	1,624,621	1,126,760
Sunday.....	23	21	24	1,131,459	978,377	970,071
Semiweekly.....	12	13	19	108,326	353,481	590,203
Weekly.....	721	731	730	3,542,326	1,871,585	1,739,457
Monthly.....	116	117	133	1,755,852	2,305,276	3,305,168
Quarterly.....	23	12	15	414,245	203,504	191,948
All other classes.....	26	18	19	713,906	280,796	149,555

<sup>1</sup> Includes one triweekly.

This table shows a decrease in the total number of publications and aggregate circulation per issue for the five-year period 1904-1909, while for the last five-year period 1909-1914, although the total number of publications increased by only one, there was a considerable increase in total circulation, due mainly to the large increase of weeklies, 1,670,741, or 89.3 per cent. As a result of this increase, the greatest aggregate circulation per issue was in the weeklies, 3,542,326, while in 1909 and 1904, it was in the monthlies, which in 1914 show a decrease of 509,423, or 22.5 per cent.

The largest number for any class of publications reported was 721, or 71.8 per cent of the total, for weekly papers. The greatest average circulation shown for any class of publication, 49,194, is reported for Sunday editions. The average circulation of quarterlies in 1914 was 18,011; of dailies, 16,092; of monthlies, 15,962; of semiweeklies, 9,027; and of weeklies, 4,913. From 1909 to 1914 Sunday editions, weeklies, quarterlies, and the publications included under the head of "all other classes" each showed an increase in aggregate circulation.

In 1914 there were published in the state in the German language 3 dailies, 2 Sunday editions, 15 weeklies, 1 semiweekly, 12 monthlies, 4 semimonthlies, 1 bimonthly, and 3 quarterlies; in English and German, 2 weeklies, 2 monthlies, and 1 quarterly; in Bohemian, 1 weekly, 1 monthly, and 2 semimonthlies; in Croatian, 1 monthly; in Greek, 1 weekly; in Hungarian, 1 weekly; in Italian, 2 weeklies; and in Polish, 2 weeklies.

Carriages and wagons and materials.—The following table consists of a detailed statement of the kind, number, and value of carriages and wagons manufactured and of parts and materials used in the production of the completed vehicle in 1914, 1909, and 1904.

The value of products of the carriage and wagon industry in Missouri in 1914 amounted to \$6,850,955. Almost three-fourths (70 per cent) of the entire number of vehicles reported were family and pleasure

carriages, and their value constituted 45.5 per cent of the total.

	1914	1909	1904
Products, total value.....	\$6,850,955	\$8,468,856	\$7,673,429
Carriages (family and pleasure):			
Number.....	53,552	97,444	74,650
Value.....	\$3,118,458	\$3,913,969	\$3,826,342
Wagons (business, farm, etc.):			
Number.....	21,456	20,140	25,281
Value.....	\$1,356,569	\$1,388,699	\$1,507,225
Public conveyances:			
Number.....	30	98	58
Value.....	\$12,766	\$48,558	\$4,445
Sleighs and sleds:			
Number.....	1	53	6
Value.....	\$18	\$783	\$153
All other products, including parts and amount received for repair work, value.	\$2,363,144	\$3,116,847	\$2,340,264

<sup>1</sup> Includes the value of 12 automobiles manufactured by establishments devoted primarily to the manufacture of carriages and wagons.

As compared with 1909, there was a decrease for 1914 of 19.1 per cent in the total value of products of the industry and 36.3 per cent in the number of carriages and wagons made.

Decreases are shown for every item in the table for the period 1909 to 1914, with the exception of the number of wagons, which slightly increased. The situation is quite natural considering the rapidly increasing use of the automobile.

Butter.—The following table gives the quantity and value of the various products of the industry for 1914, 1909, and 1904.

	1914	1909	1904
Products, total value.....	\$5,167,343	\$2,958,818	\$1,313,958
Butter:			
Packed solid—			
Pounds.....	7,254,182	4,452,602	1,866,507
Value.....	\$1,961,029	\$1,213,508	\$386,379
Prints or rolls—			
Pounds.....	8,987,505	5,809,274	3,940,217
Value.....	\$2,493,617	\$1,648,722	\$806,228
Cream sold:			
Pounds.....	594,415	122,357	308,551
Value.....	\$59,074	\$18,838	\$28,320
All other products, value.....	\$653,623	\$77,750	\$93,022

As the manufacture of cheese and condensed milk was reported by only two establishments in 1914, the products have been excluded from the table, in order to avoid disclosure of individual operations; in 1904 and 1909 the products of such establishments were included with "all other products."

There was a large increase for both census periods in the total value of products and in each class of products between 1909 and 1914.

Laundries.—Statistics for power laundries were first presented at the census of 1909. These statistics, however, are not included in the general tables or in the totals for all manufacturing industries. Table

32, however, summarizes these statistics for Missouri for 1914 and 1909.

	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase, <sup>1</sup> 1909-1914.
	1914	1909	
Number of establishments.....	177	171	3.5
Persons engaged.....	6,757	6,113	10.5
Proprietors and firm members.....	144	152	-5.3
Salaried employees.....	714	523	36.5
Wage earners (average number).....	5,899	5,438	8.5
Primary horsepower.....	7,941	5,727	38.7
Capital.....	\$4,332,735	\$3,407,985	27.1
Salaries and wages.....	3,334,921	2,564,005	30.1
Salaries.....	725,766	428,283	69.5
Wages.....	2,609,155	2,135,742	22.2
Contract work.....	9,821	16,277	-39.7
Rent and taxes.....	176,825	114,993	52.8
Cost of materials.....	1,349,790	892,197	51.3
Amount received for work done.....	6,316,206	4,904,249	28.8

<sup>1</sup> A minus sign (—) denotes decrease.

In 1914, as in 1909, Missouri ranked seventh among the states in amount received for work done and in number of persons engaged in the industry. Substantial increases are shown for the period 1909-1914, except in number of proprietors and firm members and contract work. The number of establishments under the corporate form of ownership increased by 10, while the other forms—individual, firm, etc.—decreased by 4. This, in a measure, accounts for the increase in salaried employees and their salaries and the decrease in proprietors and firm members.

Table 33 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 forms of the greatest number employed in any month of the same year.

MONTH.	WAGE EARNERS.			
	Number.		Per cent of maximum.	
	1914	1909	1914	1909
January.....	5,588	5,199	96.8	91.4
February.....	5,867	5,171	96.8	90.9
March.....	5,899	5,235	97.3	92.0
April.....	5,891	5,275	97.1	92.7
May.....	5,902	5,281	97.3	92.8
June.....	6,056	5,325	99.9	97.1
July.....	6,064	5,641	100.0	99.2
August.....	5,960	5,689	98.3	100.0
September.....	5,875	5,652	96.9	99.3
October.....	5,813	5,556	95.9	97.7
November.....	5,770	5,522	95.2	97.1
December.....	5,813	5,505	95.9	96.8

Table 34 gives statistics for the kind and amount 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 34**

KIND.	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
	1914	1909	Amount.		Per cent of increase, 1909-1914.
			1914	1909	
Primary power, total.....	222	200	7,941	5,727	38.7
Owned.....	181	170	7,489	5,577	34.3
Steam.....	162	155	7,175	5,288	35.7
Internal combustion.....	19	15	314	289	8.7
Rented.....	111	30	452	150	201.3
Electric.....	111	30	382	150	154.7
Other.....			70		
Electric—Generated in establishments reporting.....	360		1,695		

Table 35 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 35**

KIND.	Unit.	QUANTITY.		Per cent of increase, <sup>1</sup> 1909-1914.
		1914	1909	
Anthracite coal.....	Tons, 2,240 lbs.....	660	676	-2.4
Bituminous coal.....	Tons, 2,000 lbs.....	72,494	52,650	37.7
Coke.....	Tons, 2,000 lbs.....	357	10	
Oil.....	Barrels.....	48,422	26,123	85.3
Gas.....	1,000 cubic feet.....	69,329	207,923	-66.7

<sup>1</sup> A minus sign (-) denotes decrease; percentage is omitted where base is less than 100.

## GENERAL TABLES.

Table 36 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 37 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, with the exception of Independence, for the cities having from 10,000 to 50,000 inhabitants, for all industries combined.

TABLE 36.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1914	8,386	152,132	391,385	\$89,197	\$388,715	\$637,952	Coffee and spice, roast- ing and grinding.	1914	37	656	2,760	\$355	\$10,949	\$14,299
	1909	8,375	152,993	340,467	80,843	354,411	574,111		1909	40	780	2,379	342	9,192	12,062
	1904	6,464	133,167	247,861	66,644	252,258	439,549		1904	26	554	1,243	268	5,145	7,264
Agricultural imple- ments.	1914	18	240	742	142	270	570	Coffins, burial cases, and undertakers' goods.	1914	8	436	792	267	586	1,038
	1909	25	438	1,080	219	504	981		1909	11	540	663	296	778	1,565
	1904	21	525	856	261	452	1,068		1904	11	485	904	245	648	1,246
Automobiles, including bodies and parts.	1914	25	504	626	389	1,207	2,183	Confectionery.....	1914	100	2,520	2,465	950	4,090	7,256
	1909	17	368	184	252	1,025	1,677		1909	61	1,882	1,268	770	3,934	6,659
	1904	13	21	20	16	31	63		1904	43	1,779	1,048	628	2,632	4,630
Awnings, tents, and sails	1914	21	428	203	206	991	1,552	Cooperage and wooden goods, not elsewhere specified.	1914	39	852	1,702	431	1,162	1,888
	1909	18	429	217	193	1,207	1,784		1909	43	1,088	2,319	558	1,902	3,079
	1904	12	309	65	138	824	1,237		1904	46	1,781	3,314	739	2,264	3,712
Blackening and cleansing and polishing prepara- tions.	1914	37	81	319	40	321	660	Copper, tin, and sheet- iron products.	1914	195	2,506	2,394	1,569	4,789	8,390
	1909	32	110	162	55	303	600		1909	207	2,637	1,556	1,482	4,598	7,827
	1904	10	35	100	14	85	169		1904	106	2,218	878	1,099	3,288	5,720
Boots and shoes, includ- ing cut stock and findings.	1914	54	14,740	9,527	6,933	37,131	52,522	Electrical machinery, apparatus, and suppl- ies.	1914	19	2,560	1,918	1,536	2,416	6,643
	1909	59	17,396	11,113	8,164	34,540	48,751		1909	20	1,060	1,180	627	1,104	3,251
	1904	37	10,461	5,145	4,349	14,953	23,541		1904	20	795	824	412	606	1,741
Boxes, fancy and paper.	1914	32	1,092	727	455	747	1,636	Flavoring extracts.....	1914	12	100	125	54	571	1,009
	1909	27	1,113	657	372	669	1,376		1909	12	80	70	31	272	648
	1904	17	847	363	240	363	770		1904	13	88	46	30	255	492
Brass and bronze prod- ucts.	1914	18	383	523	264	2,438	3,047	Flour-mill and gristmill products.	1914	641	2,096	39,003	1,122	33,262	38,686
	1909	18	297	448	196	1,654	2,221		1909	680	2,198	43,175	1,040	38,828	44,508
	1904	16	196	178	122	1,184	1,527		1904	582	2,346	40,262	1,091	32,928	38,026
Bread and other bakery products.	1914	1,043	5,269	5,000	2,875	10,157	19,940	Food preparations, not elsewhere specified.	1914	54	629	1,997	305	6,147	7,794
	1909	954	4,743	3,023	2,487	10,829	18,524		1909	37	471	1,551	214	4,254	5,384
	1904	614	3,764	1,944	1,816	7,281	12,672		1904	35	571	630	184	2,058	3,002
Brick, tile, pottery, and other clay products.	1914	93	5,196	14,757	2,774	1,997	6,517	Foundry and machine- shop products.	1914	356	8,449	18,402	5,877	10,522	22,271
	1909	149	6,137	16,122	3,023	2,088	7,745		1909	329	7,443	13,568	4,860	9,156	19,975
	1904	195	4,869	13,034	2,365	1,421	5,682		1904	256	7,155	9,905	4,274	6,073	14,692
Butter.....	1914	54	361	1,556	202	4,367	5,187	Furnishing goods, men's	1914	16	873	122	250	990	1,574
	1909	56	159	788	100	2,499	2,959		1909	20	305	48	106	490	831
	1904	54	148	573	69	1,033	1,314		1904	13	163	32	39	229	408
Canning and preserving.	1914	153	850	1,012	142	740	1,082	Furniture and refrig- erators.	1914	100	3,346	6,546	2,043	3,533	7,608
	1909	222	952	974	186	1,005	1,574		1909	99	3,427	6,203	1,919	3,327	7,390
	1904	75	758	1,154	171	849	1,323		1904	77	2,777	4,909	1,415	1,985	4,836
Carriages and wagons and materials.	1914	223	2,560	4,528	1,636	3,832	6,851	Gas, illuminating and heating.	1914	35	1,342	16,351	844	2,143	7,197
	1909	243	3,302	5,858	1,781	4,860	8,469		1909	29	941	3,635	636	1,223	4,638
	1904	243	3,163	3,431	1,726	4,261	7,678		1904	28	1,826	3,050	898	1,778	5,585
Cars and general shop construction and re- pairs by electric-rail- road companies.	1914	8	1,168	812	807	834	1,710	Glass.....	1914	7	2,248	12,445	1,588	1,575	3,882
	1909	7	905	3,005	620	501	1,204		1909	4	1,755	8,820	758	947	1,993
	1904	4	935	603	490	1,211	1,211		1904	6	1,501	5,755	938	708	1,781
Cars and general shop construction and re- pairs by steam-rail- road companies.	1914	39	9,721	9,031	6,839	5,372	12,847	Hats and caps, other than felt, straw, and wool.	1914	13	212	26	133	356	581
	1909	35	8,121	9,042	5,097	4,128	9,812		1909	14	182	39	106	218	440
	1904	34	6,760	4,993	4,165	4,112	8,720		1904	9	171	20	86	186	330
Chemicals.....	1914	22	842	1,764	498	4,164	6,936	Ice, manufactured.....	1914	117	1,059	26,787	748	1,041	3,107
	1909	29	619	856	333	2,224	3,640		1909	92	761	22,904	472	667	2,084
	1904	21	640	1,339	310	2,172	3,279		1904	53	433	13,546	272	399	1,130
Clothing, men's, includ- ing shirts.	1914	90	8,140	2,500	3,213	10,036	17,300	Iron and steel, steel works and rolling mills.	1914	3	1,237	7,062	954	1,887	3,363
	1909	84	7,994	1,539	2,994	9,071	15,407		1909	4	2,227	6,255	1,320	2,859	5,013
	1904	73	6,070	1,322	2,098	5,543	10,329		1904	4	1,349	4,692	928	1,588	2,969
Clothing, women's.....	1914	74	2,355	692	1,093	3,034	5,517	Jewelry.....	1914	28	461	225	366	400	1,088
	1909	63	2,759	497	1,137	3,150	5,439		1909	19	376	160	272	323	873
	1904	52	1,803	405	673	1,799	3,322		1904	17	252	87	201	235	589

<sup>1</sup> Excludes statistics for one establishment, to avoid disclosure of individual operations.

<sup>2</sup> Excludes statistics for two establishments, to avoid disclosure of individual operations.

<sup>3</sup> Includes "pickles, preserves, and sauces."

<sup>4</sup> Includes "stamped ware" and "tinware."

<sup>5</sup> Includes "automobile repairing;" "balls;" "engines, steam, gas, and water;" "gas machines and gas and water meters;" "hardware;" "hardware, saddlery;"

<sup>6</sup> "plumbers' supplies;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork, not made in steel works or rolling mills."

MANUFACTURES—MISSOURI.

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TABLE 36.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horse-power.	Expressed in thousands.			INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horse-power.	Expressed in thousands.		
					Wages.	Cost of materials.	Value of products.						Wages.	Cost of materials.	Value of products.
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
Leather goods.....	1914	133	1,419	1,392	\$999	\$3,179	\$5,859	Paper goods, not elsewhere specified.	1914	412	578	651	\$285	\$926	\$1,682
	1909	106	1,814	2,596	1,037	3,794	6,503		1909	11	435	309	178	447	922
	1904	74	1,773	1,122	971	2,888	5,361		1904	9	303	175	105	266	598
Leather, tanned, curried, and finished.	1914	10	227	700	156	2,042	2,573	Patent medicines and compounds and druggists' preparations.	1914	212	1,030	867	532	2,926	9,010
	1909	9	220	519	146	1,599	2,035		1909	185	990	908	415	2,536	7,639
	1904	9	217	546	131	734	1,128		1904	125	924	449	353	1,985	5,612
Lime.....	1914	19	531	1,593	277	409	890	Photo-engraving.....	1914	17	224	90	233	61	529
	1909	31	692	1,314	317	461	1,031		1909	18	187	80	165	82	450
	1904	23	493	615	221	319	792		1904	10	113	63	83	34	205
Liquors, distilled.....	1914	11	22	369	12	75	427	Pipes, tobacco.....	1914	7	301	332	109	229	433
	1909	28	34	644	14	101	613		1909	7	307	243	107	169	396
	1904	34	49	654	25	61	206		1904	6	285	191	83	145	329
Liquors, malt.....	1914	32	5,947	31,184	4,852	7,373	31,801	Printing and publishing	1914	1,353	10,571	14,330	7,391	9,571	33,173
	1909	31	5,646	30,436	3,908	7,568	27,447		1909	1,322	10,790	10,472	6,610	8,227	29,651
	1904	50	5,568	18,759	3,408	6,252	24,154		1904	1,253	9,757	8,384	5,330	6,801	24,412
Lumber and timber products.	1914	956	9,196	44,098	4,749	8,413	18,397	Show cases.....	1914	8	230	351	146	259	574
	1909	1,095	13,522	49,506	5,897	10,614	23,261		1909	8	209	100	137	170	433
	1904	495	12,664	33,047	5,542	6,417	18,349		1904	8	260	234	151	207	548
Marble and stone work..	1914	175	905	4,018	647	1,281	2,716	Slaughtering and meat packing.	1914	740	5,200	15,690	3,462	84,684	92,060
	1909	169	1,342	4,306	939	1,447	3,441		1909	45	4,674	11,735	2,673	72,198	79,581
	1904	73	852	2,216	590	904	2,305		1904	38	4,236	7,685	2,381	54,099	60,110
Mattresses and spring beds.	1914	33	296	406	162	460	882	Soap.....	1914	9	521	1,358	279	2,811	4,920
	1909	33	345	310	137	457	959		1909	10	554	854	272	3,055	4,719
	1904	28	480	437	270	564	1,140		1904	10	548	745	237	1,871	3,113
Millinery and lace goods	1914	33	908	241	367	1,064	2,163	Tobacco manufactures..	1914	431	3,997	1,859	1,990	14,061	33,381
	1909	35	934	94	277	885	1,647		1909	477	4,453	2,034	2,235	16,546	30,951
	1904	10	305	42	99	238	448		1904	561	5,259	3,670	2,305	11,962	30,884
Mineral and soda waters	1914	195	556	845	298	656	1,623	Wirework, including wire rope and cable.	1914	21	741	1,609	374	1,332	3,484
	1909	176	463	749	221	420	1,292		1909	14	710	902	379	1,734	3,396
	1904	132	485	475	242	371	1,166		1904	23	584	894	291	1,234	2,336
Paint and varnish.....	1914	34	599	2,775	393	3,750	5,792	All other industries.....	1914	861	22,611	71,266	13,684	69,116	101,872
	1909	32	685	2,706	366	4,698	6,828		1909	786	20,061	44,762	11,295	52,448	80,538
	1904	30	604	2,028	313	4,737	6,400		1904	642	19,719	39,372	10,640	40,311	67,967

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

KANSAS CITY—All industries.								KANSAS CITY—Con. Furniture and refrigerators.							
Year	Estab.	Wage E.	HP	Wages	Cost of Mat.	Value of Prod.	Year	Estab.	Wage E.	HP	Wages	Cost of Mat.	Value of Prod.		
1914	1,052	16,252	35,706	\$10,504	\$31,081	\$60,953	1914	26	266	591	\$188	\$399	\$757		
1909	902	14,643	29,208	8,526	30,118	54,705	1909	20	203	501	189	406	835		
1904	612	11,649	5,920	5,920	19,525	35,573	1904	17	239	128	285	540			
Bread and other bakery products.	1914	141	1,908	1,973	969	3,442	7,093	Leather goods.....	1914	18	204	165	123	512	768
	1909	107	1,375	847	726	2,646	5,617		1909	21	409	204	264	1,017	1,568
	1904	75	1,056	458	1,959	3,462	3,462		1904	13	275	171	171	443	857
Brick, tile, pottery, and other clay products.	1914	8	343	1,377	296	192	538	Lumber and timber products.	1914	26	693	2,117	474	1,485	2,359
	1909	5	353	450	161	121	389		1909	26	802	1,866	519	2,141	3,398
	1904	5	155	84	81	253	253		1904	13	478	317	317	677	1,274
Carriages and wagons and materials.	1914	28	197	330	138	177	442	Marble and stone work.	1914	13	139	533	119	171	410
	1909	11	130	252	78	128	270		1909	12	201	379	156	255	596
	1904	16	74	42	42	63	161		1904	8	129	106	111	303	
Cars and general shop construction and repairs by steam-railroad companies.	1914	4	1,104	1,440	844	580	1,504	Mattresses and spring beds.	1914	9	71	86	36	124	251
	1909	4	662	415	598	315	883		1909	7	74	136	44	133	237
	1904	5	796	552	481	1,073	1,073		1904	5	65	30	79	149	
Clothing, men's, including shirts.	1914	16	617	189	254	729	1,195	Models and patterns, not including paper patterns.	1914	7	20	51	14	7	35
	1909	15	819	199	302	631	1,129		1909	5	14	29	11	5	25
	1904	9	730	205	502	959	959		1904	5	8	7	3	20	
Coffee and spice, roasting and grinding.	1914	10	100	680	50	1,225	1,648	Patent medicines and compounds and druggists' preparations.	1914	546	88	83	56	244	781
	1909	10	107	350	51	1,393	1,879		1909	46	70	63	25	162	467
	1904	3	47	17	139	219	219		1904	12	38	16	16	51	178
Confectionery.....	1914	19	200	254	81	449	1,013	Printing and publishing	1914	186	2,459	4,803	1,870	3,030	9,263
	1909	10	214	242	76	512	990		1909	179	2,192	2,105	1,465	2,352	7,518
	1904	8	380	118	594	926	926		1904	129	1,553	999	1,418	4,505	
Copper, tin, and sheet-iron products.	1914	55	513	363	407	801	1,611	Surgical appliances and artificial limbs.	1914	8	47	27	37	18	140
	1909	59	553	407	349	828	1,575		1909	7	14	10	9	12	79
	1904	17	366	202	525	973	973		1904	9	8	3	3	25	
Flour-mill and gristmill products.	1914	6	119	1,837	79	3,215	3,529	All other industries.....	1914	346	5,824	16,219	3,594	13,738	23,669
	1909	8	209	3,210	93	4,102	4,507		1909	292	5,510	16,184	3,038	12,184	20,916
	1904	10	209	124	5,072	5,516	5,516		1904	218	3,830	2,010	6,494	12,923	

1 Includes "saddlery and harness" and "trunks and valises."  
 2 Apparently an error in figures; should be 1,269.  
 3 Includes "boxes, wooden packing;" "lumber, planing-mill products;" and "window and door screens and weather strips."  
 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 Includes "sausage."  
 8 Figures do not agree with those published because certain establishments revised their reports.  
 9 Excludes statistics for one establishment, to avoid disclosure of individual operations.  
 10 Includes "tinware, not elsewhere specified."  
 11 Includes "automobile repairing;" "engines, steam, gas, and water"; "gas machines and gas and water meters"; hardware; "plumbers' supplies, not elsewhere specified"; "steam fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills."  
 12 Excludes statistics for two establishments, to avoid disclosure of individual operations.

TABLE 36.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horse-power.	Wages.	Cost of materials.	Value of products.	INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horse-power.	Wages.	Cost of materials.	Value of products.
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
ST. JOSEPH—All industries.	1914	267	4,914	9,109	\$2,675	\$10,607	\$17,098	ST. LOUIS—Contd. Brick, tile, pottery, and other clay products.	1914	19	3,212	6,789	\$1,776	\$1,117	\$4,060
	1909	261	5,390	7,737	2,710	11,054	17,628		1909	20	3,822	6,862	1,948	1,252	4,881
	1904	219	4,663	.....	2,072	6,820	11,574		1904	27	3,001	.....	1,554	931	3,574
Boots and shoes.....	1914	3	264	266	161	610	912	Carriages and wagons and materials.	1914	88	1,678	2,082	1,133	3,114	5,117
	1909	5	410	213	201	724	1,025		1909	77	2,254	3,144	1,242	3,838	6,328
	1904	3	168	.....	65	256	350		1904	98	2,215	.....	1,266	3,402	5,759
Bread and other bakery products.	1914	34	108	131	75	257	415	Cars and general shop construction and repairs by steam-railroad companies.	1914	8	1,668	1,390	1,294	835	2,235
	1909	43	548	321	261	1,367	2,174		1909	5	1,877	1,485	879	765	1,742
	1904	36	499	.....	182	1,343	2,054		1904	4	1,260	.....	844	817	1,725
Carriages and wagons and materials.	1914	10	40	47	35	34	107	Clothing, men's, including shirts.	1914	54	5,091	1,770	2,184	5,861	10,273
	1909	9	49	41	33	40	108		1909	50	4,751	879	1,966	5,382	9,687
	1904	8	67	.....	34	30	103		1904	53	3,942	.....	1,449	3,436	6,850
Clothing, men's, including shirts.	1914	8	1,112	362	430	1,290	2,098	Clothing, women's.....	1914	66	2,271	581	1,062	2,947	5,353
	1909	9	1,326	364	499	1,453	2,403		1909	58	2,439	438	1,021	2,902	4,886
	1904	6	1,151	.....	371	1,061	1,557		1904	46	1,704	.....	623	1,675	3,075
Confectionery.....	1914	7	715	809	299	1,276	2,184	Coffee and spice, roasting and grinding.	1914	20	499	1,808	274	9,163	11,972
	1909	6	313	162	142	1,004	1,424		1909	23	570	1,886	268	7,217	9,514
	1904	4	188	.....	66	234	437		1904	19	484	.....	240	4,738	6,725
Cooperage, hogsheads and barrels.	1914	3	22	50	11	32	60	Coffins, burial cases, and undertakers' goods.	1914	5	413	755	252	533	959
	1909	3	28	24	17	46	71		1909	6	490	608	268	665	1,371
	1904	3	26	.....	15	31	53		1904	6	470	.....	238	627	1,204
Copper, tin, and sheet-iron work.	1914	12	53	5	39	60	125	Confectionery.....	1914	48	1,472	1,320	520	2,147	3,590
	1909	12	51	.....	45	76	146		1909	25	1,222	823	512	2,175	3,848
	1904	8	47	.....	39	50	124		1904	18	1,123	.....	416	1,691	3,052
Flour-mill and grist-mill products.	1914	9	130	1,324	76	2,485	2,714	Cooperage and wooden goods, not elsewhere specified.	1914	18	604	1,227	325	903	1,447
	1909	7	94	1,277	44	1,838	1,904		1909	22	958	1,942	493	1,562	2,592
	1904	5	39	.....	22	593	683		1904	20	914	.....	428	1,195	1,946
Foundry and machine-shop products.	1914	15	186	289	107	109	326	Copper, tin, and sheet-iron products.	1914	95	1,818	1,749	1,043	3,444	5,946
	1909	15	233	398	128	164	430		1909	100	1,833	976	978	2,978	5,060
	1904	17	104	.....	58	49	150		1904	63	1,721	.....	813	2,630	4,432
Leather goods.....	1914	13	177	131	120	569	779	Cutlery and tools, not elsewhere specified.	1914	12	155	349	95	142	306
	1909	10	233	110	152	585	819		1909	13	200	472	128	234	440
	1904	5	184	.....	103	326	525		1904	11	150	.....	97	175	337
Marble and stone work.	1914	6	12	74	8	16	37	Electrical machinery, apparatus, and supplies.	1914	12	1,420	1,400	828	1,229	3,275
	1909	4	12	15	10	18	39		1909	16	699	650	380	636	2,081
	1904	4	30	.....	23	37	81		1904	16	784	.....	407	598	1,713
Mattresses and spring beds.	1914	3	13	31	7	16	38	Electroplating.....	1914	8	65	443	45	26	108
	1909	4	16	20	8	17	35		1909	12	66	115	45	21	103
	1904	3	11	.....	4	10	19		1904	9	63	.....	41	19	94
Patent medicines and compounds and druggists' preparations.	1914	8	18	9	7	38	80	Enameling and japaning.	1914	3	39	11	29	10	52
	1909	7	8	6	3	9	24		1909	3	28	.....	17	5	31
	1904	3	2	.....	1	3	17		1904	3	61	.....	25	43	77
Printing and publishing.	1914	34	416	352	258	250	1,156	Food preparations, not elsewhere specified.	1914	23	390	1,083	176	4,268	5,130
	1909	30	368	278	226	273	1,025		1909	21	382	946	170	3,499	4,455
	1904	25	359	.....	182	215	745		1904	24	490	.....	153	1,632	2,409
All other industries.....	1914	101	1,648	5,239	1,042	3,565	6,037	Foundry and machine-shop products.	1914	169	5,251	11,257	3,639	6,602	13,785
	1909	97	1,693	4,501	941	3,440	5,909		1909	160	5,298	8,692	3,518	6,582	14,591
	1904	99	1,788	.....	907	2,582	4,676		1904	143	5,677	.....	3,412	4,828	11,573
ST. LOUIS—All industries.	1914	2,787	85,058	169,982	51,150	203,806	360,480	Furniture and refrigerators.	1914	62	2,772	5,030	1,666	2,703	6,020
	1909	2,667	87,371	148,095	48,535	188,189	328,495		1909	65	2,862	5,163	1,620	2,735	6,111
	1904	2,482	82,698	.....	42,642	137,740	267,307		1904	51	2,364	.....	1,213	1,589	4,057
Automobiles, including bodies and parts.	1914	16	434	550	327	1,030	1,882	Gas and electric fixtures and lamps and reflectors.	1914	6	217	360	132	194	577
	1909	11	282	139	197	727	1,302		1909	7	202	185	126	285	547
	1904	3	21	.....	16	31	63		1904	9	181	.....	122	185	448
Blackening and cleansing and polishing preparations.	1914	23	59	275	31	268	517	Hats and caps, other than felt, straw, and wool.	1914	7	139	16	90	254	387
	1909	23	97	150	53	291	571		1909	9	124	31	78	159	307
	1904	8	27	.....	12	77	147		1904	6	136	.....	69	161	275
Boots and shoes, including cut stock and findings.	1914	27	8,729	5,602	4,453	22,630	31,049	Ice, manufactured.....	1914	7	319	8,700	272	418	1,129
	1909	33	12,138	7,547	6,169	23,735	33,970		1909	9	201	8,105	151	291	731
	1904	22	9,331	.....	3,998	12,233	19,662		1904	9	167	.....	124	186	516
Boxes, fancy and paper.	1914	23	766	542	349	569	1,256	Jewelry.....	1914	13	248	111	195	236	655
	1909	19	790	493	286	464	960		1909	8	224	117	153	228	533
	1904	12	655	.....	187	285	604		1904	10	209	.....	165	196	434
Brass and bronze products.	1914	11	349	445	237	2,309	2,037	Leather goods.....	1914	39	847	524	536	1,531	3,177
	1909	11	269	385	180	1,632	2,165		1909	32	960	693	515	1,629	3,108
	1904	10	178	.....	111	1,161	1,457		1904	36	1,121	.....	593	1,776	3,265
Bread and other bakery products.	1914	470	2,483	2,153	1,422	4,880	9,454	Liquors, malt.....	1914	12	4,941	25,210	4,107	5,649	26,829
	1909	448	2,264	1,390	1,223	4,765	8,624		1909	10	4,823	24,590	3,339	6,474	23,147
	1904	311	1,874	.....	1,013	3,385	6,098		1904	28	4,947	.....	2,998	5,445	20,930

<sup>1</sup> Excludes statistics for two establishments, to avoid disclosure of individual operations.

<sup>2</sup> Excludes statistics for one establishment, to avoid disclosure of individual operations.

<sup>3</sup> Includes "gas machines and gas and water meters" and "structural ironwork, not made in steel works or rolling mills."

<sup>4</sup> Includes "saddlery and harness" and "trunks and valises."

<sup>5</sup> Figures do not agree with those published because certain establishments revised their reports.

<sup>6</sup> Includes "stamped ware" and "tinware."

<sup>7</sup> Includes "automobile repairing"; "bells"; "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware"; "hardware, saddlery"; "plumbers' supplies"; "steam fittings and steam and hot-water heating apparatus"; and "structural ironwork, not made in steel works or rolling mills."

TABLE 36.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
<b>ST. LOUIS—Contd.</b>	1914	175	2,305	10,456	\$1,341	\$2,610	\$5,149	<b>ST. LOUIS—Contd.</b>	1914	5	55	30	\$29	\$315	\$432
Lumber and timber products.	1909	71	2,812	8,608	1,669	3,884	7,367	Pickles, preserves, and sauces.	1909	9	191	161	75	628	962
	1904	63	2,949	.....	1,460	2,473	4,409		1904	7	164	.....	64	397	631
Marble and stone work.	1914	37	329	1,155	280	626	1,180	Printing and publishing	1914	373	5,440	6,740	4,054	5,184	18,026
	1909	39	557	1,073	468	723	1,580		1909	347	5,708	5,441	3,824	5,118	17,164
	1904	25	381	.....	265	575	1,305		1904	362	5,839	.....	3,492	4,543	16,366
Mattresses and spring beds.	1914	15	140	234	59	238	409	Slaughtering and meat packing.	1914	23	2,066	5,938	1,366	34,788	36,634
	1909	14	179	120	106	204	462		1909	24	1,469	5,515	900	24,055	26,601
	1904	14	344	.....	216	398	815		1904	20	1,237	.....	753	16,043	17,455
Millinery and lace goods	1914	20	618	223	267	792	1,626	Stereotyping and electrotyping.	1914	4	93	197	67	35	166
	1909	18	514	64	183	549	1,045		1909	4	94	146	72	51	194
	1904	9	293	.....	96	235	440		1904	3	54	.....	36	16	91
Models and patterns, not including paper patterns.	1914	16	77	75	51	36	157	Stoves and furnaces, including gas and oil stoves.	1914	11	1,916	3,029	1,336	2,719	7,479
	1909	15	106	72	78	46	211		1909	13	1,673	1,826	1,199	2,458	5,923
	1904	16	93	.....	57	33	156		1904	14	1,875	.....	1,316	1,943	5,523
Paint and varnish.	1914	26	515	2,363	337	3,217	5,003	Wirework, including wire rope and cable.	1914	10	712	1,521	351	1,180	3,265
	1909	23	598	2,139	315	3,738	5,564		1909	9	683	853	365	1,697	3,323
	1904	25	552	.....	283	4,439	5,909		1904	11	545	.....	276	1,194	2,245
Patent medicines and compounds and druggists' preparations.	1914	125	900	674	421	2,480	7,769	All other industries.	1914	671	21,365	53,755	12,524	65,443	113,345
	1909	99	862	800	364	2,281	6,846		1909	675	19,866	42,325	10,901	59,470	97,269
	1904	95	861	.....	328	1,907	5,182		1904	737	22,166	.....	11,410	48,378	94,068
Photo-engraving	1914	12	158	60	145	41	363								
	1909	11	114	46	93	59	298								
	1904	6	66	.....	53	19	131								

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

HANNIBAL	1914	66	2,366	3,530	\$1,329	\$3,795	\$6,215	SEDALIA	1914	69	903	1,778	\$488	\$1,951	\$2,922
	1909	66	2,445	3,412	1,284	4,316	6,195		1909	75	935	1,662	461	1,216	2,333
	1904	58	1,811	.....	825	2,166	3,564		1904	50	974	.....	503	825	1,692
JEFFERSON CITY	1914	50	1,401	1,826	603	4,743	8,087	SPRINGFIELD	1914	109	2,009	4,646	1,243	3,766	6,193
	1909	35	763	1,166	271	3,652	5,446		1909	108	2,131	3,685	1,280	3,048	5,382
	1904	56	680	.....	386	1,990	3,006		1904	82	2,158	.....	1,128	3,392	5,293
JOPLIN	1914	100	1,156	3,774	618	4,120	5,950	WEBB CITY	1914	20	136	619	90	488	706
	1909	77	830	3,102	494	2,358	4,136		1909	25	170	511	108	513	777
	1904	56	680	.....	386	1,990	3,006								
MOBERLY	1914	30	1,411	1,366	537	1,838	3,137								
	1909	31	999	1,276	538	1,092	1,984								

1 Includes "boxes, wooden packing"; "lumber, planing-mill products"; and "window and door screens and weather strips."  
 2 Includes "perfumery and cosmetics."  
 3 Includes "bookbinding and blank-book making"; "engraving, steel and copper-plate, including plate printing"; and "lithographing."  
 4 Figures do not agree with those published because certain establishments revised their reports.  
 5 Includes "sausage."  
 6 Excludes statistics for one establishment, to avoid disclosure of individual operations.  
 7 Figures do not agree with those published in 1909, as convicts employed in the penitentiary were included at that census, but have been excluded in order to make the totals comparable with those for 1904 and 1914.

MANUFACTURES—MISSOURI

TABLE 37.—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—			Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.						

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1	All industries .....	8,356	188,266	7,698	7,111	16,483	4,792	152,182	Ap 156,968	De 139,366	(2)	(3)	(4)	(5)	(6)	\$522,548,083
2	Agricultural implements .....	18	306	12	23	25	7	240	My 315	No 133	292	287	.....	5	.....	1,347,799
3	Artificial limbs .....	12	98	8	9	19	11	51	Oc 4	Ap 49	52	51	1	.....	.....	174,060
4	Artificial stone products .....	96	325	125	13	12	1	174	Jy 289	Ja 61	272	272	.....	.....	.....	810,154
5	Automobile bodies and parts .....	20	231	16	19	10	9	177	My 196	Ja 148	181	172	9	.....	.....	211,110
6	Automobiles .....	5	409	.....	18	54	10	327	My 368	De 210	270	267	3	.....	.....	1,660,988
7	Automobile repairing .....	19	91	20	1	1	2	67	Jy 79	Ja 58	67	66	.....	1	.....	83,916
8	Awnings, tents, and sails .....	21	566	13	41	53	31	428	My 575	De 305	354	155	197	2	.....	953,390
9	Baking powders .....	4	47	2	7	6	2	30	My 33	De 27	28	15	13	.....	.....	47,696
10	Baskets, and rattan and willow ware .....	5	48	4	3	1	3	37	My 47	Oc 25	35	34	1	.....	.....	38,760
11	Belting, leather .....	5	84	2	10	18	10	44	My 52	De 41	43	42	.....	1	.....	523,742
12	Blacking, stains, and dressings .....	14	85	8	14	17	7	39	My 43	No 33	38	18	17	.....	.....	170,341
13	Bookbinding and blank-book making .....	35	976	26	39	80	45	786	Fe 915	No 676	690	846	322	8	14	1,369,686
14	Boots and shoes, including moccasins .....	49	15,225	3	272	1,426	355	13,169	Ap 14,887	No 9,987	12,749	7,803	4,773	96	77	27,701,768
15	Boxes, cigar .....	4	87	1	8	3	4	71	Ja 82	De 66	66	22	41	.....	.....	67,321
16	Boxes, fancy and paper .....	32	1,240	8	64	50	26	1,092	Mh 1,163	Oc 1,026	1,076	813	677	6	80	2,320,281
17	Boxes, wooden packing .....	25	1,161	11	50	36	13	1,051	Jy 1,202	De 930	1,032	943	17	59	13	2,478,642
18	Brass and bronze products .....	18	471	15	30	39	4	333	Au 413	Fe 356	380	378	.....	2	.....	1,704,729
19	Bread and other bakery products .....	1,043	7,464	1,155	128	759	183	5,269	Oc 5,565	My 5,056	5,550	3,632	1,853	21	53	15,157,071
20	Brick and tile, terra-cotta, and fire-clay products .....	90	5,673	62	143	234	46	5,188	.....	.....	5,437	5,398	10	29	.....	16,331,153
21	Building brick .....	57	2,179	33	68	64	10	2,004	My 2,671	Fe 1,087	2,386	2,365	2	19	.....	6,554,386
22	Sewer pipe and drain tile .....	11	1,060	15	17	60	11	987	Jy 1,089	Fe 833	1,072	1,072	.....	.....	.....	2,816,281
23	Fire brick, stove lining .....	11	1,514	4	37	76	17	1,380	Ja 1,584	De 1,174	1,177	1,176	.....	1	.....	5,987,972
24	Tile and architectural and fire-proofing terra cotta .....	11	890	10	21	34	8	817	My 885	De 645	802	785	8	9	.....	972,514
25	Brooms .....	49	327	49	15	30	10	223	De 251	Ap 202	248	218	25	5	.....	483,576
26	Brushes .....	10	60	7	6	3	1	43	.....	.....	44	42	1	1	.....	125,574
27	Toilet, paint, and varnish .....	3	38	1	6	3	1	27	My 31	Ja 25	28	27	1	.....	.....	87,059
28	All other .....	7	22	6	.....	.....	.....	16	(2) 16	(3) 16	16	16	1	1	.....	38,515
29	Butter .....	54	552	45	44	60	42	361	Au 437	Fe 286	364	263	71	.....	.....	1,163,107
30	Buttons .....	9	308	8	9	5	4	282	Mh 356	Jy 140	335	247	86	2	.....	264,833
31	Canning and preserving, fruits and vegetables .....	142	990	173	23	12	2	780	.....	.....	3,531	1,067	2,274	62	128	456,830
32	Canned vegetables .....	138	972	169	22	12	2	767	Se 3,531	Ja 0	3,467	1,042	2,236	61	128	445,480
33	Canned and dried fruit .....	4	18	4	1	.....	.....	13	Se 66	Ja 0	64	25	38	1	.....	11,350
34	Carpets, rag .....	10	34	12	1	.....	.....	21	Oc 32	Ja 13	27	20	6	1	.....	25,325
35	Carriage and wagon materials .....	26	617	13	31	13	10	550	Ap 642	Oc 467	555	534	19	2	.....	1,248,413
36	Carriages, wagons, and repairs .....	197	2,478	223	91	115	39	2,010	.....	.....	2,135	2,110	21	4	.....	5,274,707
37	Carriages and wagons .....	166	2,325	193	81	111	39	1,901	My 2,275	De 1,456	2,031	2,008	21	2	.....	5,127,476
38	Repair work only .....	31	153	30	10	4	.....	109	Au 119	Fe 98	104	102	.....	2	.....	147,231
39	Cars and general shop construction and repairs by electric-railroad companies .....	8	1,216	.....	20	27	1	1,168	Mh 1,195	No 1,133	1,163	1,162	1	.....	.....	2,423,041
40	Cars and general shop construction and repairs by steam-railroad companies .....	39	10,273	.....	251	281	20	9,721	Jy 10,178	Fe 9,405	9,479	9,475	4	.....	.....	11,269,499
41	Charcoal, not including production in lumber and wood distillation industries .....	7	73	5	7	.....	.....	61	De 65	Ap 58	64	64	.....	.....	.....	306,880
42	Chemicals .....	22	1,257	7	66	291	51	842	Se 929	Fe 782	836	724	99	5	8	6,318,836
43	Cleansing and polishing preparations .....	23	115	10	21	30	12	42	.....	.....	41	29	12	.....	.....	436,601
44	Cleansing preparations .....	15	75	8	12	19	5	31	Ap 41	Oc 24	29	21	8	.....	.....	350,145
45	Polishing preparations .....	8	40	2	9	11	7	11	De 12	Ja 10	12	8	4	.....	.....	86,458
46	Clothing, men's .....	71	6,434	40	185	516	100	5,593	.....	.....	5,956	1,716	4,176	1	63	7,251,408
47	Men's and youths' .....	68	6,359	37	178	504	96	5,544	Ja 5,952	Oc 5,038	5,902	1,680	4,158	1	63	7,137,422
48	Boys' .....	3	75	3	7	12	4	49	Mh 56	Au 42	54	36	18	.....	.....	113,986
49	Clothing, women's .....	74	2,690	54	115	117	58	2,355	.....	.....	2,431	483	1,885	1	57	2,087,188
50	Suits, skirts, and cloaks .....	37	1,149	22	67	66	28	966	Se 1,114	De 757	962	381	572	.....	.....	1,012,919
51	Shirt waists and dresses, except house dresses .....	14	396	13	15	23	8	337	Se 441	Jy 272	360	23	.....	11	.....	346,021
52	Undergarments and petticoats .....	10	848	10	21	17	11	780	Ja 914	No 690	858	68	757	1	32	567,742
53	Wrappers and house dresses .....	7	274	4	11	11	11	267	Mh 292	No 150	222	15	202	5	.....	141,900
54	All other .....	6	32	5	1	.....	.....	27	My 31	Au 17	29	1	28	.....	.....	19,606
55	Coffee and spice, roasting and grinding .....	37	1,371	15	89	516	95	656	Ja 678	My 630	655	405	246	1	3	6,151,673
56	Coffins, burial cases, and undertakers' goods .....	8	488	1	13	34	4	436	Fe 452	Do 419	419	330	87	2	.....	1,279,307
57	Confectionery and ice cream .....	154	3,640	163	109	423	91	2,854	.....	.....	2,914	1,293	1,591	6	24	6,738,248
58	Confectionery, including chewing gum .....	169	3,140	164	65	384	67	2,520	Oc 3,020	Ap 2,299	2,576	979	1,572	1	24	5,346,505
59	Ice cream .....	54	500	59	44	39	24	334	Jy 461	Ja 228	338	314	19	5	.....	1,391,743
60	Copperage .....	36	936	25	38	19	6	848	.....	.....	870	848	.....	22	.....	1,719,133
61	Hogsheads and barrels .....	31	695	21	32	12	6	621	Se 748	Ja 514	635	614	.....	.....	.....	1,392,828
62	All other .....	5	211	1	6	7	.....	227	Oc 237	My 213	235	234	.....	1	.....	326,305
63	Copper, tin, and sheet-iron work .....	180	1,426	178	80	93	23	1,052	Jy 1,212	Ja 875	1,040	1,028	3	9	.....	2,245,216
64	Dairymen's and poultrymen's supplies .....	5	52	2	4	.....	6	40	Fe 48	Oc 31	44	38	2	4	.....	124,454
65	Dental goods .....	7	41	2	7	.....	1	31	Se 34	Ja 30	32	24	7	1	.....	159,875

<sup>1</sup> Owned power only.

<sup>2</sup> Includes rented power, other than electric.

<sup>3</sup> No figures given for reasons stated under "Explanation of terms."

MANUFACTURES—MISSOURI.

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.		Total.	Primary horsepower.				Electric power 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.		Steam engines. <sup>1</sup>			Internal-combustion engines. <sup>2</sup>		Water wheels and motors. <sup>1</sup>	Electric (rented).	

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

\$15,669,430	\$21,628,017	\$89,197,477	\$2,602,416	\$4,149,957	\$13,873,612	\$376,546,681	\$12,168,178	\$637,952,128	\$249,237,269	391,385	283,490	20,330	3,203	\$4,362	97,619	1
38,425	31,253	142,233	14,710	3,160	4,652	259,050	11,027	569,904	299,827	742	490	134		118	80	2
18,473	18,661	43,341		9,322	1,487	17,107	1,642	176,721	157,972	40				40		3
17,469	11,414	94,173		6,105	1,909	153,254	1,394	362,516	207,868	257	38	153		66		4
29,936	14,476	142,794	50	22,396	925	162,440	5,578	420,080	252,062	260	150	17		93		5
53,290	97,384	246,098		7,363	6,745	1,027,849	10,957	1,762,831	724,025	366				366		6
1,500	1,780	42,396		13,963	636	60,169	3,161	172,256	108,926	85		38		47		7
60,565	63,728	206,138	80	37,149	5,477	985,636	5,622	1,551,557	560,299	203	4			199	30	8
12,720	13,988	94,381	2,300	1,980	660	89,277	789	164,015	73,949	35		20		15	6	9
3,650	2,123	15,096		2,201	347	17,488	194	53,510	35,828	18				18		10
29,070	27,051	33,515		6,144	2,651	359,774	4,060	503,411	139,577	156				156		11
20,645	22,484	19,647		5,558	862	216,453	2,149	365,225	146,623	230		3		97		12
77,048	86,995	462,103	3,785	33,562	7,223	440,555	11,891	1,556,954	1,104,708	413	130			413		13
600,633	2,203,822	6,112,990	77,978	53,738	138,983	25,900,915	145,523	40,311,210	14,364,772	8,911	6,960			1,951	3,933	14
9,877	4,896	27,223		3,191	174	72,700	2,350	144,938	69,888	45	10			35		15
109,548	70,288	454,570	641	59,556	7,049	724,069	23,363	1,636,088	888,656	727	125	20		582	125	16
105,489	46,796	451,001	3,744	41,984	18,070	1,501,133	22,927	2,635,411	1,111,351	4,884	3,648	60		1,159	504	17
82,973	55,779	264,214		7,134	10,848	2,404,432	34,010	3,047,396	608,864	523	160	85		298	80	18
260,788	988,502	2,875,447	5,635	353,670	66,546	9,792,988	356,818	19,940,499	9,783,663	5,000	2,391	228	4	2,377	1,755	19
356,378	266,033	2,770,580	9,339	93,212	7,049	962,739	1,032,545	6,509,161	4,513,877	14,747	13,003	393		1,351	1,625	20
185,239	45,889	1,086,026	5,692	8,733	48,182	342,134	457,957	2,513,688	1,712,597	6,391	4,914	334		1,143	306	21
50,636	96,692	547,406		8,000	16,787	175,647	219,484	1,341,111	945,980	2,815	2,778	12		25	155	22
110,722	87,691	734,932		5,914	23,416	385,660	259,074	1,226,484	4,175	1,226,484	4,175			34	1,116	23
59,781	35,761	402,216	3,647	3,534	6,827	108,598	96,030	833,878	629,250	1,366	1,170	47		149	48	24
22,266	25,402	112,391	20,094	7,199	2,550	319,485	3,451	666,486	343,550	184	45	46		93		25
6,960	3,288	24,305		2,116	542	49,010	765	105,044	55,269	20				14		26
6,960	3,288	14,941		1,200	305	28,215	478	62,619	32,926	14				20		27
93,522	80,399	201,804	2,939	22,461	7,596	19,796	287	42,425	22,343	6				6		28
8,822	3,267	86,945	350	1,302	1,136	4,318,926	53,386	5,167,343	800,031	1,556	789	6		761	25	29
6,559	1,840	105,874	849	2,442	1,615	104,701	3,602	256,708	148,406	295	299	6		20		30
6,529	1,840	104,299	849	2,442	1,545	394,646	8,111	609,725	206,968	965	823	128		14		31
30	1,575			70	390,728		7,731	601,698	203,239	857	721	122		14		32
976	9,434			154	3,918		380	8,027	3,729	108	102	6				33
51,367	20,502	268,432	2,555	18,495	4,585	2,503,450	844	26,086	22,670	48	15			33		34
185,547	167,768	1,367,106	10,137	103,372	26,390	3,244,263	47,408	5,714,382	2,422,711	2,430	1,035	290		1,105	80	36
172,577	163,463	1,281,686	10,037	85,788	35,171	3,162,057	42,745	5,454,177	2,219,375	2,259	1,035	237		987	80	37
12,970	4,305	85,420	109	14,584	1,129	82,204	4,063	290,295	173,399	171		53		118		38
28,395	23,459	807,199		13,695	814,678		19,754	1,710,323	575,891	812				812	1,541	39
356,189	289,635	6,538,843	3,941	4,400	51,683	5,025,362	346,549	12,847,379	7,475,468	9,031	7,955	33		1,043	6,655	40
3,500		27,687		60	652	391	113,306	178,806	65,109							41
219,017	366,695	497,837		20,761	42,881	4,079,515	84,355	6,936,122	2,772,252	1,764	1,235			529	670	42
30,752	35,704	20,046	14,729	6,780	771	99,390	2,623	285,129	193,116	89				89		43
18,150	25,664	14,732	14,129	4,301	455	74,662	2,195	197,578	120,721	71				71		44
12,602	10,040	5,314	600	2,479	316	24,728	428	97,551	72,395	18				18		45
343,884	676,751	2,222,750	217,880	143,989	34,799	7,672,405	40,552	13,484,374	5,771,417	1,541	430	120	6	985	89	46
332,834	661,126	2,201,522	203,388	139,329	34,478	7,574,544	39,547	13,251,000	5,637,509	1,532	430	120	6	976	89	47
11,050	15,625	21,228	14,492	4,660	321	97,861	1,005	232,774	133,908	9				9		48
220,378	164,569	1,093,312	1,832	101,060	7,593	3,014,298	19,855	5,517,015	2,482,862	602	100	6		496		49
129,008	98,222	557,241	150	55,844	4,226	1,285,513	9,253	2,049,204	1,354,438	236				496		50
25,770	28,250	145,680	1,278	12,612	794	468,700	3,436	791,908	319,832	64		4		60		51
47,228	21,949	285,791	354	22,886	2,040	986,300	5,903	1,530,399	588,196	221	100			121		52
17,722	16,148	94,679		8,440	472	260,173	907	508,015	247,535	70				70		53
650		9,921	50	1,273	61	13,612	356	30,829	22,861	11		2		9		54
265,798	713,172	355,318	2,858	105,691	28,832	10,882,972	65,946	14,299,135	3,350,217	2,760	653			2,107	85	55
38,800	39,726	266,767	210	10,179	5,112	580,257	5,607	1,038,077	452,213	792	750	20		22	54	56
243,405	548,982	1,182,867	1,414	140,765	40,146	5,145,289	110,434	9,251,427	3,995,704	3,981	2,214	60		1,707	728	57
169,761	510,426	949,886	244	118,144	30,675	4,025,025	65,052	7,255,593	3,165,516	2,405	1,796	7		662	623	58
73,644	38,556	232,981	1,170	22,621	9,471	1,120,264	45,382	1,995,834	830,188	1,516	418	53		1,045	105	59
73,126	21,114	428,501		14,508	9,201	1,143,977	13,591	1,878,684	721,116	1,609	1,290	40		339	53	60
63,656	14,636	338,381		10,788	7,784	988,669	11,364	1,608,597	608,564	1,334	1,045	40		249	23	61
9,470	6,478	90,120		3,720	1,417	155,368	2,227	270,087	112,552	335	245			90	30	62
176,327	108,948	808,496	5,035	72,330	14,250	2,021,836	20,059	3,841,922	1,799,927	909		270		639	6	63
7,640	3,084	24,507	457	1,230	1,017	110,871	918	204,590	92,801	51	30			17		64
12,900	740	18,732		4,790	217	72,302	994	148,221	74,925	13				13		65

\* Same number reported for one or more other months.

° Same number reported throughout the year.

° None reported for one or more other months.

TABLE 37.—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—			Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.						

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

1	Druggists' preparations.....	22	424	16	36	97	25	250	Se	271	Ja	226	261	162	96	2	1	\$894,067
2	Electrical machinery, apparatus, and supplies.....	19	3,131	7	105	314	145	2,560	Ja	2,856	De	2,274	2,456	1,871	555	5	25	6,676,852
3	Electroplating.....	13	112	16	7	1	2	86	Je	92	De	78	77	74		3		61,025
4	Engines, steam, gas, and water.....	6	490		22	107	44	307	De	400	Ja	257	409	409				2,094,350
5	Engraving and diesinking.....	8	13	8				5	No <sup>a</sup>	6	Jy	3	7	5		2		2,247
6	Engraving, steel and copper plate, including plate printing.....	13	139	13	15	6	4	101	Ja	109	Au	88	110	66	42	2		60,162
7	Engraving, wood.....	8	29	10				19	De <sup>a</sup>	20	Ap <sup>a</sup>	17	20	19		1		5,561
8	Envelopes.....	7	420	1	24	30	19	345	No	351	Je	336	345	137	201	2	8	1,204,320
9	Fertilizers.....	5	79	2	6	9	2	60	Fe	84	De	29	47	47				348,820
10	Flavoring extracts.....	12	215	7	17	74	17	100	Jy	120	De <sup>a</sup>	81	82	50	32			647,689
11	Flour-mill and gristmill products.....	641	3,466	755	321	233	61	2,096	Se	2,244	My	1,966	2,192	2,172	18	2		19,100,413
12	Food preparations, not elsewhere specified.....	54	990	41	75	187	58	629					716	547	149	13	7	2,193,132
13	Breadstuff preparations, cereals, and table foods.....	7	115	6	8	26	2	73	Se	94	Ap	63	72	48	24			255,369
14	Macaroni, vermicelli, and noodles.....	7	179	8	9	21	4	137	De	151	Ap	126	149	101	34	9	5	323,153
15	All other preparations for human consumption.....	30	331	27	23	24	9	243	Se	292	Ja	194	316	234	76	4	2	533,011
16	For animals and fowls.....	10	365		35	116	43	171	Ap	183	Jy	156	179	164	15			1,081,594
17	Foundry and machine-shop products.....	261	6,926	173	420	573	158	5,602					5,207	5,185	7	15		18,457,696
18	Boiler shops.....	9	269	9	35	16	5	204	Ja	237	No	180	199	199				752,777
19	Foundries.....	27	1,304	9	56	43	10	1,186	Ap	1,276	De	1,013	1,068	1,060	4	4		2,903,855
20	Machine shops.....	225	5,353	155	329	514	143	4,212	Jy	4,499	No	3,670	3,940	3,923	3	11		14,801,064
21	Fur goods.....	7	132	4	6	7	9	106	No	152	Mh	59	149	49	98	1	1	312,683
22	Furnishing goods, men's.....	16	959	1	33	34	18	873	Ja	1,038	Ap	813	919	162	740	5	12	721,470
23	Furniture.....	91	3,738	45	195	232	57	3,209					3,204	3,113	61	27	3	6,687,015
24	Wood, other than rattan and wiflow.....	56	2,371	25	114	146	30	2,056	Mh	2,234	De	1,902	2,018	1,945	48	22	3	4,497,876
25	Metal.....	7	551	2	39	45	11	454	Ap	495	De	361	461	445	12	4		884,264
26	Store and office fixtures.....	28	816	18	42	41	16	699	Au	848	Fe	581	725	723	1	1		1,804,875
27	Gas and electric fixtures.....	9	221	4	19	28	14	156					168	146	20	2		221,963
28	Gas fixtures.....	4	58	2	5	2	2	47	Ja	57	Je	29	52	33	19			36,320
29	Electric fixtures.....	5	163	2	14	26	12	109	No	121	My <sup>a</sup>	100	116	113	1	2		185,633
30	Gas, illuminating and heating.....	35	2,143	2	75	515	209	1,342	Je	1,454	Mh	1,261	1,346	1,346				44,307,311
31	Gas machines and gas and water meters.....	6	38	5	5	6	1	21	Oc <sup>a</sup>	28	Ja	15	24	23	1			87,125
32	Glass.....	7	2,335		29	50	8	2,248	Ap	2,690	Au	1,839	2,483	2,441	35	7		9,762,406
33	Glass, cutting, staining, and ornamenting.....	18	263	9	13	12	5	224	Ja	243	De	200	209	189	13	7		429,337
34	Hair work.....	3	12	1				10	(*)	(*)	(*)	10	10	2	7	1		6,776
35	Hand stamps.....	11	69	7	10	4	4	44	De <sup>a</sup>	46	My <sup>a</sup>	42	46	41	4	1		43,513
36	Hardware.....	8	244	5	23	3	1	212	Ap <sup>a</sup>	216	De	204	207	162	4	40	1	502,434
37	Hats and caps, other than felt, straw, and wool.....	13	261	14	17	15	3	212	No <sup>a</sup>	224	Ja	192	220	126	93	1		197,097
38	Hats, fur-felt.....	6	121	2	5			114	Jy	119	Fe	107	115	68	46	1		87,868
39	Hats, straw.....	5	235	2	8	52	14	159	Fe	223	Jy	68	179	58	117	3	1	343,402
40	House-furnishing goods, not elsewhere specified.....	9	77	12	6	8	7	44					43	31	12			260,032
41	Feather pillows and beds.....	5	57	4	5	8	7	33	Mh	43	De	24	29	22	7			219,919
42	Mops and dusters.....	4	20	8	1			11	My <sup>a</sup>	15	De	6	14	9	5			40,113
43	Ice, manufactured.....	117	1,364	91	119	66	29	1,059	Au	1,469	Ja	680	1,229	1,220	1	8		9,259,634
44	Ink, writing.....	4	28	6	2	3	5	12	Ap	16	De <sup>a</sup>	10	10	6	4			34,550
45	Iron and steel, steel works and rolling mills.....	3	1,332		14	63	13	1,237	Au	1,527	De	820	1,200	1,199		1		5,289,881
46	Iron and steel, doors and shutters.....	5	94	1	12	9	6	66	Ja	109	De	32	70	70				358,530
47	Jewelry.....	28	594	22	32	35	44	461	Ja	494	Au	426	475	431	34	10		482,896
48	Labels and tags.....	8	167	4	13	6	10	134	No	136	Jy <sup>a</sup>	132	132	83	46	3		250,274
49	Leather goods, not elsewhere specified.....	5	50	3	4	6	6	31	Ja	37	Jy	27	32	27	5			74,350
50	Leather, tanned, curried, and finished.....	10	266	5	18	11	5	227	Ja	252	Jy	215	233	232		1		1,941,847
51	Lime.....	19	584	8	20	19	6	531	Au	626	De	414	505	505				2,537,799
52	Liquors, distilled, whisky and brandy.....	11	39	8	7	1	1	22	My <sup>a</sup>	28	Au	14	35	32	3			235,456
53	Liquors, malt.....	32	6,679	10	135	530	57	5,947	Jy	6,509	De	5,568	5,756	5,467	284	5		67,628,919
54	Lithographing.....	12	357	4	27	50	14	262	Je	274	No	243	267	213	52	2		748,132
55	Looking-glass and picture frames.....	11	42	10	3	1	4	21	No	30	Fe <sup>a</sup>	21	26	22		4		51,299
56	Lumber and timber products.....	796	7,325	991	180	124	23	6,007	Mh	6,281	Fe	5,680	7,488	7,366	35	68	19	9,027,020
57	Lumber, planing-mill products, not including planing mills connected with sawmills.....	122	2,463	70	165	149	39	2,039	Au	2,208	Ja	1,834	2,043	2,009	14	20		5,755,946
58	Marble and stone work, including slate.....	175	1,264	184	86	75	17	905	Ap	951	Fe	787	955	951	2	2		2,760,288
59	Mattresses and spring beds.....	33	375	24	22	24	9	296	Oc	308	Fe	283	308	252	55	1		509,954
60	Millinery and lace goods.....	33	1,064	18	48	45	45	908					850	88	750	3	9	838,382
61	Trimmed hats and hat frames.....	22	865	11	37	31	38	748	Fe	1,288	Je	410	692	64	621	1	6	796,033
62	Embroideries and women's neckwear.....	5	61	4	3			54	Fe	70	Je <sup>a</sup>	45	49	14	33		2	30,910
63	All other.....	6	138	3	8	14	7	106	No <sup>a</sup>	108	Ja <sup>a</sup>	104	109	10	96	2	1	101,439

<sup>a</sup> Owned power only.

<sup>a</sup> Includes rented power, other than electric.

MANUFACTURES—MISSOURI.

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. <sup>1</sup>	Internal-combustion engines. <sup>2</sup>	Water wheels and motors. <sup>1</sup>		Electric (rented).

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

\$70,426	\$117,973	\$124,502	\$150	\$18,957	\$4,808	\$708,773	\$5,181	\$1,648,228	\$934,274	121	62	6	53	66	1
232,474	485,595	1,536,103	31,395	32,936	25,487	2,363,832	51,891	6,643,210	4,227,457	1,918	513	5	1,400	1,524	2
9,204	1,790	63,004	.....	8,150	435	25,223	7,628	144,503	111,652	530	.....	50	480	.....	3
71,424	149,461	231,472	.....	2,256	5,810	573,172	16,866	1,171,929	531,891	1,119	60	833	201	1,343	4
.....	.....	2,796	.....	1,689	102	133	6	12,318	12,179	.....	.....	.....	.....	.....	5
24,839	5,208	63,499	960	10,114	311	37,075	717	183,293	145,501	23	.....	.....	23	.....	6
.....	.....	11,313	203	1,950	155	2,245	119	30,725	28,361	2	.....	.....	2	.....	7
58,713	45,177	168,638	.....	27,230	3,999	435,515	7,229	908,333	465,609	467	245	50	172	150	8
8,934	7,145	37,216	500	4,178	1,210	179,532	17,557	345,427	145,338	865	375	.....	490	.....	9
48,856	131,526	83,896	100	13,920	2,709	567,123	4,111	1,008,583	437,349	125	.....	.....	125	.....	10
455,109	292,233	1,122,193	3,162	24,705	103,880	32,826,061	436,328	38,686,309	5,423,920	39,003	29,902	3,097	2,883	3,121	11
148,334	243,289	305,283	1,665	47,668	14,212	6,038,153	49,047	7,733,604	1,646,404	1,997	1,244	211	542	441	12
14,823	31,367	24,311	.....	6,999	1,961	351,181	5,289	521,903	165,433	278	250	.....	28	.....	13
7,340	19,610	66,692	.....	6,452	553	428,737	4,744	574,448	140,065	286	145	25	116	.....	14
54,250	30,032	107,295	665	19,737	2,662	908,305	12,591	1,362,071	441,175	396	49	166	181	.....	15
71,921	162,280	106,985	1,000	14,480	9,036	4,409,930	26,423	5,335,184	898,831	1,037	800	20	217	189	16
854,311	702,077	3,936,582	45,847	133,588	92,493	6,399,671	391,630	14,564,313	7,773,012	12,731	5,861	2,504	9	4,357	17
55,146	22,571	142,529	162	2,862	5,919	379,753	7,522	646,983	259,713	435	325	12	98	285	18
131,998	57,493	784,072	5,133	8,576	15,683	1,179,629	144,873	2,566,221	1,241,719	1,694	840	113	641	55	19
687,167	622,013	3,009,981	40,552	122,150	70,891	4,840,289	239,235	11,351,104	6,271,680	10,702	4,696	2,379	9	3,618	20
22,200	10,339	47,378	.....	21,000	1,343	90,690	2,256	231,117	138,171	57	.....	.....	57	.....	21
67,679	42,303	250,188	25,000	26,165	2,883	989,995	4,691	1,573,680	578,994	122	.....	12	110	.....	22
372,616	297,887	1,932,769	3,833	87,948	44,082	3,298,419	56,408	7,174,010	3,819,183	6,344	5,062	179	1,103	673	23
213,296	165,818	1,129,715	500	48,227	28,337	1,877,386	26,273	4,131,050	2,227,391	4,275	3,785	89	401	289	24
68,368	54,584	267,012	50	3,178	8,964	623,348	12,787	1,208,224	572,069	587	450	12	125	264	25
90,952	77,505	536,032	3,283	36,643	6,791	797,665	17,348	1,834,736	1,019,723	1,482	827	78	577	120	26
31,618	33,496	106,793	.....	13,282	1,406	169,750	8,154	487,102	309,198	294	10	12	272	.....	27
7,230	4,382	27,099	.....	3,740	83,249	35,468	1,980	42,847	44	10	12	.....	22	.....	28
24,388	29,114	79,694	.....	9,542	1,157	131,282	6,174	403,807	266,351	250	.....	.....	250	.....	29
166,818	491,023	844,073	13,495	37,115	332,175	380,065	1,762,844	7,196,994	5,054,085	16,351	15,020	1,163	168	3,315	30
5,325	3,246	21,118	.....	2,350	160	25,794	564	67,395	41,047	18	.....	.....	18	.....	31
100,167	62,273	1,538,448	5,200	3,000	22,669	1,069,685	505,103	3,882,420	2,307,632	12,445	7,945	4,300	200	14,822	32
23,982	15,971	141,703	4,600	14,799	1,454	106,953	8,585	395,372	279,834	195	.....	2	193	.....	33
.....	750	4,764	.....	3,200	82	7,375	163	26,118	17,580	4	.....	.....	4	.....	34
10,130	5,140	28,273	560	5,730	438	35,652	1,046	114,222	77,524	28	.....	.....	28	.....	35
35,762	4,120	101,333	.....	4,067	4,388	198,738	7,498	426,580	220,334	375	250	7	118	60	36
22,160	14,120	133,048	.....	10,450	911	353,423	2,767	580,823	224,643	26	.....	.....	26	.....	37
6,400	.....	73,127	.....	4,880	184	200,632	1,285	320,616	118,699	24	.....	.....	24	.....	38
25,140	37,625	80,742	.....	12,225	3,537	344,419	3,137	731,393	383,807	42	30	.....	12	.....	39
6,545	8,807	27,507	.....	4,937	892	124,810	5,086	223,098	93,202	325	240	4	81	.....	40
6,020	8,807	21,139	.....	3,822	774	106,607	4,892	190,008	78,509	322	240	4	78	.....	41
525	.....	6,368	.....	1,115	118	18,203	194	33,090	14,693	3	.....	.....	3	.....	42
158,947	62,238	748,476	15,919	53,724	61,378	370,537	670,608	3,106,895	2,065,730	26,787	25,581	539	667	2,613	43
5,700	6,686	6,286	.....	2,152	239	32,069	75	66,888	34,744	.....	.....	.....	.....	.....	44
88,102	70,726	954,402	8,235	.....	20,075	1,656,048	230,532	3,362,955	1,476,375	7,062	5,080	.....	1,982	3,200	45
15,963	9,314	47,732	.....	3,457	240	81,137	1,686	167,014	84,191	155	.....	50	105	.....	46
61,253	69,425	366,059	380	50,382	6,576	395,769	4,400	1,088,075	687,906	225	.....	.....	225	.....	47
25,628	15,931	72,012	.....	9,175	919	80,631	3,446	251,671	167,594	105	.....	.....	105	.....	48
5,016	7,614	20,378	13,100	2,382	131	28,289	2,857	135,555	104,409	45	40	.....	5	.....	49
42,092	15,024	156,015	.....	2,548	7,875	2,017,543	24,007	2,572,987	531,377	700	435	.....	265	16	50
33,217	24,580	277,290	4,702	1,449	6,447	236,360	173,015	890,458	481,083	1,593	1,338	124	131	120	51
7,522	1,620	11,741	.....	.....	236,530	69,932	5,027	427,228	352,269	369	357	2	10	.....	52
677,516	865,967	4,831,827	148,851	119,706	5,073,570	6,715,035	657,698	31,801,404	24,428,671	31,164	30,081	965	118	13,993	53
107,863	64,535	212,805	21,023	21,693	2,600	223,058	6,135	762,419	533,226	285	25	.....	260	.....	54
4,336	1,724	14,859	.....	5,362	271	30,082	341	72,321	41,898	20	15	.....	5	.....	55
291,994	136,166	2,813,291	513,051	11,251	197,913	3,660,746	45,568	10,076,586	6,370,272	20,614	29,117	279	68	150	56
250,290	174,524	1,384,909	4,149	50,437	36,782	3,032,526	58,602	5,453,709	2,362,581	9,329	6,795	455	2,079	680	57
133,155	71,614	648,897	20,995	32,681	15,006	1,212,313	68,333	2,716,440	1,435,794	4,018	1,495	250	2,273	225	58
31,447	25,856	162,295	.....	17,611	3,191	451,699	8,617	882,494	422,178	406	.....	17	389	.....	59
104,621	73,697	367,096	.....	56,357	3,589	1,052,455	12,038	2,162,822	1,098,329	241	125	.....	116	5	60
84,307	67,762	294,911	.....	42,797	2,810	916,213	10,305	1,866,371	939,853	220	125	.....	95	5	61
4,150	.....	22,793	.....	5,786	159	35,818	872	90,100	53,410	12	.....	.....	12	.....	62
16,164	5,935	49,392	.....	7,774	620	100,424	861	206,351	105,066	9	.....	.....	9	.....	63

\* Same number reported for one or more other months.

\* Same number reported throughout the year.

MANUFACTURES—MISSOURI.

TABLE 37.—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—			Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.						

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

1	Mineral and soda waters.....	195	940	230	71	59	24	556	Jy	867	Ja	361	614	584	17	13	.....	\$1,564,222	
2	Minerals and earths, ground.....	9	208	3	17	6	3	179	Mh	212	No	150	176	175	.....	1	.....	807,052	
3	Mirrors, framed and unframed.....	6	73	4	8	5	2	54	Se	67	No	45	52	52	.....	.....	.....	95,080	
4	Models and patterns, not including paper patterns.....	23	145	26	8	12	2	97	Ja	113	Oc <sup>2</sup>	85	98	97	.....	1	.....	97,775	
5	Mucilage and paste.....	6	88	7	9	9	10	53	Je	65	De <sup>2</sup>	46	46	40	6	.....	.....	82,617	
6	Musical instruments, violins, stringed instruments, drums, and snares.....	5	15	4	2	.....	.....	9	(*)	9	(*)	9	10	9	.....	1	.....	23,968	
7	Oil, not elsewhere specified.....	4	39	5	1	9	3	21	My	25	Ja	16	20	20	.....	.....	.....	147,549	
8	Optical goods.....	4	171	.....	13	22	14	122	Jy	129	De <sup>2</sup>	119	119	94	20	5	.....	331,684	
9	Paints.....	27	919	3	77	233	54	552	Je	654	Ja	457	498	462	35	1	.....	4,984,796	
10	Paper goods, not elsewhere specified.....	5	265	3	11	9	10	232	Au	255	De	205	217	132	71	.....	14	.....	352,858
11	Patent medicines and compounds.....	168	1,540	98	144	315	196	787	Mh	840	No	750	801	322	463	10	6	.....	4,377,397
12	Paving materials.....	25	720	7	40	16	5	652	My	809	De	335	586	586	.....	.....	.....	947,313	
13	Perfumery and cosmetics.....	22	136	29	9	20	25	53	Ap	67	Oc	37	53	16	37	.....	.....	426,046	
14	Photographic materials.....	5	266	.....	13	51	11	181	My	215	No	141	176	125	51	.....	.....	1,065,497	
15	Photo-engraving.....	17	317	6	31	45	11	224	Mh	238	No	207	223	211	6	6	.....	285,881	
16	Pickles, preserves, and sauces.....	11	127	10	9	28	10	70	Je	75	De	63	75	42	29	1	3	.....	138,811
17	Pipes, tobacco.....	7	329	5	13	9	1	301	Ja	321	Jy	281	297	231	47	17	2	.....	314,209
18	Plumbers' supplies, not elsewhere specified.....	7	359	3	21	15	7	313	Fe	354	De	275	276	276	.....	.....	.....	641,224	
19	Pottery, earthen and stone ware.....	3	11	2	1	.....	.....	8	Mh	13	De <sup>2</sup>	6	6	5	.....	1	.....	10,688	
20	Poultry, killing and dressing.....	10	238	5	10	39	12	172	De	257	Mh	127	246	224	22	.....	.....	288,924	
21	Printing and publishing, book and job.....	435	6,785	400	345	685	232	5,123	.....	.....	.....	.....	5,183	3,781	1,296	93	13	.....	9,569,294
22	Job printing.....	400	6,355	381	308	579	188	4,899	Mh	5,098	Jy	4,746	4,949	3,694	1,251	91	13	.....	8,512,293
23	Book publishing and printing.....	4	133	1	9	8	7	108	Ja	116	Se	103	107	77	29	1	.....	309,865	
24	Book publishing without printing.....	18	150	8	20	90	32	(*)	(*)	(*)	(*)	.....	.....	.....	.....	.....	.....	444,442	
25	Linotype work and typesetting.....	13	147	10	8	8	5	116	De	129	Fe	94	127	110	16	1	.....	302,694	
26	Printing and publishing, music.....	7	43	1	8	7	7	20	Oc	24	Fe <sup>2</sup>	18	20	15	5	.....	.....	130,054	
27	Printing and publishing, newspapers and periodicals.....	851	7,861	832	389	1,648	713	4,279	.....	.....	.....	.....	4,329	3,491	786	46	6	.....	11,678,081
28	Printing and publishing.....	59	3,996	25	158	1,311	421	2,081	No	2,115	Se	2,033	2,071	1,962	106	2	1	.....	6,563,853
29	Printing, publishing, and job printing.....	672	3,469	730	170	208	163	2,193	De	2,231	Jy <sup>2</sup>	2,175	2,258	1,529	680	44	5	.....	4,798,631
30	Publishing without printing.....	129	396	77	61	129	129	(*)	(*)	(*)	(*)	.....	.....	.....	.....	.....	.....	285,597	
31	Refrigerators.....	9	176	3	16	14	6	137	My	169	Fe	105	116	113	2	1	.....	246,962	
32	Regalia and society badges and emblems.....	6	73	4	7	6	9	47	Se	54	Fe	37	44	18	23	3	.....	80,907	
33	Rubber goods, not elsewhere specified.....	6	269	4	13	13	4	235	Fe	281	Jy	194	258	156	101	1	.....	350,228	
34	Saddlery and harness.....	107	1,197	108	58	209	19	803	De	1,042	Je	723	839	821	15	3	.....	3,230,876	
35	Sausage.....	9	76	10	4	10	4	48	Se	53	Ap <sup>2</sup>	45	48	39	9	.....	.....	180,807	
36	Shirts.....	19	2,639	5	40	33	14	2,547	Ja	3,222	Se	1,358	3,109	279	2,778	.....	52	.....	1,308,819
37	Show cases.....	8	260	2	18	5	5	230	Mh <sup>2</sup>	238	No	219	223	223	.....	.....	.....	418,676	
38	Signs and advertising novelties.....	21	220	17	16	23	6	158	.....	.....	.....	.....	150	129	30	.....	.....	427,243	
39	Electric signs and advertising novelties.....	8	50	4	9	6	1	30	De	42	My	26	41	22	19	.....	.....	193,203	
40	Signs, other than electric.....	13	170	13	7	17	5	128	My	163	Fe	92	109	98	11	.....	.....	324,040	
41	Slaughtering and meat packing.....	31	5,811	13	122	451	73	5,152	No	5,620	Au	4,630	5,212	5,005	202	5	.....	20,260,193	
42	Soap.....	9	796	6	19	151	99	521	My	565	Se	477	497	341	142	9	5	.....	3,086,373
43	Sporting and athletic goods.....	5	230	1	13	14	10	192	De	231	Au	151	232	147	82	2	1	.....	369,729
44	Stamped ware, not elsewhere specified.....	5	665	.....	13	36	5	611	Mh	739	No	435	581	441	140	.....	.....	1,963,922	
45	Statuary and art goods.....	8	90	5	13	.....	4	68	Au	80	Fe	62	68	66	1	.....	.....	89,300	
46	Steam fittings and steam and hot-water heating apparatus.....	7	691	.....	24	92	42	533	Fe	629	No	381	387	381	.....	6	.....	2,333,979	
47	Stereotyping and electrotyping.....	7	136	5	12	8	2	109	De	115	Jy	107	111	107	1	3	.....	84,978	
48	Stoves and hot-air furnaces and ranges.....	15	2,141	.....	75	316	36	1,714	Ap	2,102	De	1,277	1,863	1,859	3	1	.....	8,515,433	
49	Structural ironwork, not made in steel works or rolling mills.....	38	1,552	18	83	151	27	1,273	Ap	1,362	De	1,154	1,243	1,237	4	2	.....	3,231,285	
50	Surgical appliances.....	5	24	2	4	.....	.....	18	(*)	18	(*)	18	17	13	4	.....	.....	8,023	
51	Tinware, not elsewhere specified.....	10	954	4	35	50	22	843	Mh <sup>2</sup>	878	De	764	774	579	172	12	11	.....	1,785,303
52	Tobacco, chewing and smoking.....	15	3,532	10	40	538	73	2,871	Mh <sup>2</sup>	2,953	Ja	2,729	2,925	1,774	1,072	10	69	.....	6,411,591
53	Tobacco, cigars and cigarettes.....	416	1,652	450	35	36	5	1,126	Fe	1,143	No	1,099	1,173	966	233	30	4	.....	904,143
54	Tools, not elsewhere specified.....	19	238	18	11	10	8	191	.....	.....	.....	.....	197	189	.....	8	.....	910,676	
55	Shovels, spades, scoops, hoes, and machinists' tools.....	5	158	3	7	8	6	134	Ja	161	Je	43	140	136	.....	4	.....	696,632	
56	Not specified.....	14	80	15	4	2	2	57	My	77	Je	42	57	53	.....	4	.....	214,044	
57	Trunks and valises.....	21	719	14	39	65	16	585	Au	671	De	395	639	484	50	5	.....	1,039,998	
58	Varnishes.....	7	75	1	12	13	2	47	Ja	52	De	40	40	33	7	.....	.....	316,772	
59	Vinegar and cider.....	16	104	15	16	13	8	52	.....	.....	.....	.....	58	54	4	.....	.....	423,968	
60	Vinegar.....	8	74	6	13	12	8	35	Je	48	De	28	36	32	4	.....	.....	290,551	
61	Cider.....	8	30	9	3	1	.....	17	No <sup>2</sup>	22	Jy <sup>2</sup>	14	22	22	.....	.....	.....	133,417	
62	Washing machines and clothes wringers.....	8	150	8	6	9	5	122	Mh	148	Je	82	120	115	.....	5	.....	294,895	
63	Window and door screens and weather strips.....	13	133	11	12	6	5	99	My	139	De	64	87	87	.....	.....	.....	194,274	

<sup>1</sup> Owned power only.

<sup>2</sup> Includes rented power, other than electric.

MANUFACTURES—MISSOURI.

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. <sup>1</sup>	Internal-combustion engines. <sup>1</sup>	Water wheels and motors. <sup>1</sup>		Electric (rented).

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

\$33,904	\$53,981	\$297,898	\$3,710	\$33,212	\$10,237	\$637,197	\$18,766	\$1,623,226	\$967,263	845	258	266	321	10	1	
27,050	5,355	95,687	2,500	-----	2,478	129,387	32,267	368,110	204,456	1,235	1,165	25	45	30	2	
11,256	6,084	32,920	-----	3,020	571	85,995	2,193	151,510	63,322	90	50	-----	40	20	3	
13,252	11,464	65,147	320	8,277	825	39,226	3,982	192,184	148,976	126	-----	27	99	2	4	
16,490	10,904	35,482	-----	2,170	992	213,547	3,705	509,135	291,883	260	200	10	50	-----	5	
1,716	-----	5,101	-----	1,206	113	6,009	233	17,178	10,936	3	-----	-----	3	-----	6	
1,875	11,920	15,274	-----	2,343	1,125	175,557	1,038	280,698	104,103	50	41	4	5	-----	7	
66,135	24,413	61,868	-----	14,052	972	429,111	1,576	736,015	305,328	34	-----	-----	34	-----	8	
211,045	296,216	367,841	-----	59,885	28,605	3,487,676	43,711	5,450,382	1,918,995	2,715	2,170	21	524	334	7	
26,164	17,973	119,967	-----	4,596	1,547	476,606	6,307	773,292	290,379	184	120	-----	64	30	9	
434,684	517,101	384,104	26,262	84,475	32,766	1,912,713	17,448	6,828,865	4,888,704	642	161	142	339	201	11	
50,687	16,185	320,190	35,054	9,517	5,929	102,059	45,225	671,345	524,061	2,605	1,471	24	1,110	-----	12	
31,680	95,187	23,549	7,352	4,106	5,254	279,946	2,306	533,316	251,064	104	-----	-----	104	-----	13	
53,800	51,516	125,391	-----	5,280	6,823	440,486	9,113	1,006,790	557,191	350	310	-----	40	65	14	
69,944	43,961	233,229	1,800	18,864	1,206	54,961	6,489	529,309	467,859	80	-----	-----	90	-----	15	
17,640	21,073	35,932	-----	4,908	745	335,670	1,645	471,865	134,650	47	20	2	25	-----	16	
16,187	6,090	109,018	-----	425	1,659	224,506	4,646	433,448	204,296	332	195	49	88	-----	17	
44,860	13,919	211,362	-----	11,220	3,951	337,102	15,241	740,898	338,555	644	500	36	109	10	18	
378	-----	3,281	-----	360	30	1,186	435	8,127	6,506	10	10	-----	156	-----	19	
15,433	21,488	96,193	1,786	3,340	4,471	2,136,224	8,238	2,387,146	242,684	206	50	-----	206	-----	20	
771,087	887,442	3,496,837	307,108	349,929	47,126	3,720,284	138,044	12,434,192	8,575,964	5,508	1,022	185	4,301	562	21	
689,032	811,082	3,305,065	139,100	328,823	44,881	3,637,328	132,835	11,497,077	7,726,914	5,356	947	185	4,224	502	22	
20,270	11,066	68,723	490	6,208	375	43,607	1,583	226,484	181,294	100	75	-----	25	60	23	
43,216	60,008	-----	169,608	9,090	1,121	5,477	1,110	440,583	434,996	-----	-----	-----	52	-----	24	
18,569	5,296	125,049	-----	5,808	749	33,872	3,516	270,048	232,660	52	-----	-----	52	-----	25	
10,370	10,818	14,898	11,822	3,722	924	17,007	872	201,932	184,053	21	-----	-----	21	-----	26	
944,276	2,136,958	3,139,029	713,272	322,816	96,415	4,821,045	154,748	18,034,624	13,058,831	8,080	2,498	1,040	9	4,533	1,432	27
543,012	1,615,727	1,910,456	148,732	197,852	71,606	3,585,623	88,541	11,690,637	8,016,473	5,630	2,494	27	3,109	1,421	28	
276,032	301,493	1,228,573	45,480	98,231	23,849	1,150,742	65,950	5,039,318	3,822,617	2,450	4	1,013	9	1,424	11	29
125,232	219,738	-----	516,060	26,733	960	84,680	248	1,304,669	1,219,741	-----	-----	-----	-----	-----	30	
30,980	22,847	110,613	-----	9,413	1,246	172,644	5,058	434,333	256,631	202	-----	-----	202	-----	31	
12,620	7,727	23,698	-----	4,659	422	46,512	1,415	113,169	65,242	22	6	-----	16	-----	32	
23,925	16,614	128,355	599	15,717	712	443,290	9,388	726,028	273,360	657	16	-----	641	-----	33	
126,224	196,101	522,304	53,547	69,396	16,695	2,388,524	16,463	3,937,020	1,532,033	906	171	30	705	65	34	
8,800	15,756	35,346	-----	6,720	524	340,545	8,065	452,378	103,748	282	90	-----	192	-----	35	
73,791	43,698	960,161	-----	51,225	723	2,294,336	28,844	3,815,735	1,492,555	1,010	810	15	194	463	36	
49,084	14,714	146,497	-----	10,990	2,871	251,213	7,789	674,484	315,432	351	-----	6	345	-----	37	
25,550	50,565	141,492	12,162	14,266	1,010	148,085	1,139	703,045	553,821	27	-----	-----	25	-----	38	
12,360	19,818	12,966	-----	3,304	370	63,783	564	163,107	98,760	12	-----	2	10	-----	39	
13,190	30,747	128,526	12,162	10,962	640	84,302	575	539,938	455,061	15	-----	-----	15	-----	40	
280,808	536,421	3,423,416	6,685	16,833	52,078	83,733,226	602,209	91,608,121	7,272,686	15,378	14,203	122	1,053	5,983	41	
62,877	204,192	279,299	-----	26,329	15,149	2,766,978	43,242	4,919,685	2,108,865	1,358	1,275	-----	83	525	42	
26,463	18,495	97,673	-----	8,039	912	234,654	4,997	483,606	243,955	153	-----	-----	153	-----	43	
42,430	46,758	333,615	388	42,827	8,493	1,462,559	17,285	2,340,513	860,669	742	700	-----	42	470	44	
18,636	2,364	58,390	2,800	5,890	379	35,904	2,275	162,231	124,052	35	-----	-----	35	-----	45	
86,535	158,342	370,228	7,610	3,710	17,844	523,457	60,175	1,319,966	736,334	776	-----	-----	776	-----	46	
22,200	6,218	78,676	-----	6,340	482	38,066	6,383	199,403	154,944	267	-----	-----	267	-----	47	
281,298	397,550	1,203,779	7,570	7,920	46,613	2,284,987	53,416	6,644,251	4,305,848	3,039	1,922	-----	1,117	646	48	
179,711	175,746	892,982	33,644	18,256	18,230	1,688,002	46,854	3,509,483	1,774,607	2,364	680	49	1,035	365	49	
4,620	-----	9,297	-----	1,620	232	12,552	438	34,879	21,889	3	-----	-----	3	-----	50	
75,087	76,037	432,289	-----	18,063	14,025	1,226,553	20,146	2,207,117	960,418	743	300	50	303	504	51	
186,088	640,772	1,352,164	23,769	6,516	5,659,070	13,139,982	49,371	31,083,327	17,874,974	1,845	1,835	-----	10	983	52	
38,432	39,469	637,388	620	46,140	101,605	867,643	5,377	2,317,516	1,444,496	14	-----	-----	14	-----	53	
21,849	13,051	114,823	300	5,172	4,527	175,710	12,310	399,869	211,849	522	305	15	202	-----	54	
17,785	9,570	76,078	-----	1,829	4,028	134,855	6,510	278,204	136,839	352	255	3	94	-----	55	
4,064	3,451	38,745	300	3,343	499	40,855	5,800	121,665	75,010	170	50	12	108	-----	56	
80,054	76,077	356,535	-----	58,413	7,833	729,884	13,366	1,786,654	1,043,604	441	150	4	287	330	57	
29,340	15,679	25,335	559	4,120	2,010	215,489	2,857	341,513	123,167	60	4	-----	49	-----	58	
29,180	16,710	26,728	795	9,848	1,899	222,269	5,694	382,490	154,527	293	147	49	97	-----	59	
23,060	15,930	17,699	795	8,115	1,103	133,731	4,785	268,546	130,030	161	89	6	66	-----	60	
6,100	780	9,029	-----	1,733	796	88,538	909	113,944	21,497	132	58	43	31	-----	61	
10,815	10,979	66,341	5,882	5,370	1,737	176,941	980	349,889	171,968	326	300	23	3	-----	62	
22,489	9,472	69,418	-----	3,882	1,342	88,325	2,829	231,132	139,978	271	100	51	120	-----	63	

<sup>1</sup> Same number reported for one or more other months.

<sup>2</sup> Same number reported throughout the year.

<sup>3</sup> No wage earners employed.

MANUFACTURES—MISSOURI.

TABLE 37.—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.			16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.					

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

1 Wirework, including wire rope and cable, not elsewhere specified.	21	914	16	31	104	22	741			607	644	42	11	\$3,373,369	
2 Wire rope and cable, barbed wire, and woven-wire fencing.	6	620	1	21	87	18	493	Fe	524	No	456	466	453	8	2,902,771
3 All other.	15	294	15	10	17	4	248	Ja	315	Se	208	231	186	42	470,598
4 Wood, turned and carved.	23	235	23	16	9	3	184	Fe	208	Jy	160	195	194	1	262,069
5 Wooden goods, not elsewhere specified.	3	8	4				4	( <sup>2</sup> )	4	( <sup>2</sup> )	4	5	5		4,100
6 All other industries *	227	19,578	97	542	1,609	372	16,958							68,382,968	

* All other industries embrace—	Cash registers and calculating machines.	3	Dyeing and finishing textiles.	2	Grease and tallow, not including lubricating greases.	8
Aeroplanes and parts.	1	Enameling.	2	Hardware, saddlery.	2	
Artificial flowers.	3	Engravers' materials.	1	Hat and cap materials.	1	
Asbestos products.	1	Cheese.	1	Ink, printing.	1	
Babbitt metal and solder.	3	China decorating, not including that done in potteries.	1	Instruments, professional and scientific.	4	
Bags, other than paper.	5	Clocks.	2	Iron and steel, blast furnaces.	1	
Bells.	2	Clothing, men's, buttonholes.	2	Iron and steel, bolts, nuts, washers, and rivets.	1	
Billiard tables and materials.	2	Condensed milk and milk products, other than butter and cheese.	1	Iron and steel forgings.	1	
Bluing.	5	Cordage and twine.	2	Japanning.	2	
Boot and shoe cut stock.	3	Cordials and flavoring sirups.	3	Gloves and mittens, leather.	2	
Boot and shoe findings.	2	Corsets.	1	Glucose and starch.	1	
Butter, reworking.	1	Cotton goods.	2	Gold and silver, reducing and refining, not from the ore.	1	
Cars, electric-railroad, not including operations of railroad companies.	2	Cotton lace.	1			
Cars, steam-railroad, not including operations of railroad companies.	9	Cutlery and edge tools.	2			

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

	1,052	21,207	881	953	2,217	904	16,252	Au 17,114	De 15,516	16,371	12,366	3,920	55	21	\$53,341,091
1 KANSAS CITY—All industries.	1,052	21,207	881	953	2,217	904	16,252	Au 17,114	De 15,516	16,371	12,366	3,920	55	21	\$53,341,091
2 Artificial stone products.	5	31	2	5	1	1	22	Jy 48	Ja 9	27	27				37,340
3 Automobile repairing.	10	52	11	1	1		40	My 47	Ja 36	38	38				22,876
4 Blacking, stains, and dressings.	4	7	2	1	1		3	Oc 4	Je 2	4	4				3,678
5 Bookbinding and blank-book making.	9	456	5	14	62	33	242	Ap 431	No 282	263	158	104	1		750,254
6 Boxes and cartons, paper.	4	193	1	8	10	5	169	No 197	Je 143	188	40	137	2	9	178,535
7 Boxes, wooden packing.	5	195	1	8	4	1	181	Au 197	Fe 163	179	179				388,251
8 Bread, and other bakery products.	141	2,456	159	34	307	48	1,908	Oc 2,132	My 1,774	2,130	1,079	1,049	2		6,496,706
9 Brick and tile, terra-cotta, and fire-clay products.	8	383	5	14	15	6	343	Au 411	Fe 204	410	410				789,964
10 Brooms, from broom corn.	5	48	7	1		2	38	No 51	My 31	52	40	12			43,035
11 Carriage and wagon materials.	7	54	4	2		2	46	Se 53	Jy 41	49	46	3			537,447
12 Carriages, wagons, and repairs.	21	190	20	10	8	1	151			163	162		1		222,133
13 Carriages and wagons.	13	105	15	3	4	1	52	Je 111	De 61	98	98				142,492
14 Repair work only.	8	85	5	7	4		69	Au 80	De 60	65	64		1		79,841
15 Cars and general shop construction and repairs by steam-railroad companies.	4	1,168		36	25	3	1,104	Ja 1,172	De 1,024	1,011	1,011				1,981,723
16 Chemicals.	4	79	2	7	26	14	30	Se 34	My 20	34	31	3			303,711
17 Cleansing and polishing preparations.	5	25	3	4	6	5	7	No 8	Ja 6	8	3	5			30,862
18 Clothing, men's, including shirts.	16	679	8	20	24	10	617	Au 694	Je 514	653	68	585			518,995
19 Clothing, women's.	5	85	4	4	5	4	68	Se 83	Fe 56	72	7	60		5	54,995
20 Coffee, roasting and grinding.	10	188	7	14	54	13	100	De 108	My 90	104	60	44			815,496
21 Confectionery and ice cream.	25	367	24	12	48	9	274			290	165	125			969,350
22 Confectionery, including chewing gum.	19	278	18	9	42	9	200	Oc 284	Jy 173	209	89	120			991,998
23 Ice cream.	3	89	6	3	6		74	Jy 110	Ja 37	81	76	5			277,352
24 Copper, tin, and sheet-iron work.	50	508	52	13	32	10	396	Jy 543	Ja 288	396	385		1		674,652
25 Dental goods.	4	19	1	2			16	Jy 17	Au 15	18	13	4	1		22,323
26 Druggists' preparations.	5	52	1	4	8	2	37	De 44	Fe 24	38	36	2			130,012
27 Flour-mill and gristmill products.	6	166	3	20	19	5	119	De 134	Je 94	132	132				1,173,441
28 Food preparations, not elsewhere specified.	18	271	15	18	46	9	183	Oc 205	Ja 160	180	149	31			651,846
29 Foundry and machine-shop products.	51	662	42	51	60	21	488			507	507				2,026,177
30 Boiler shops and foundries.	4	40	1	3	2		34	Ja 40	De 31	31	31				23,377
31 Machine shops.	47	622	41	48	58	21	454	Je 528	De 336	476	476				2,002,500
32 Furnishing goods, men's.	4	366		8	3	7	348	Ja 404	Fe 298	363	42	314	3	4	347,935
33 Furniture.	23	310	21	14	16	5	254			250	251	7	1		558,896
34 Wood, other than rattan and willow.	12	168	11	7	8	4	138	My 144	Ja 113	139	131	7	1		298,803
35 Metal, including store and office fixtures.	11	142	10	7	8	1	116	Au 188	Fe 80	120	120				289,803
36 Gas and electric fixtures and lamps and reflectors.	4	66	1	8	5	6	46	No 56	Au 33	48	31	17			124,196
37 Hand stamps.	5	41	4	5	2	3	27	De 29	My 25	29	27	2			20,028
38 Hats and caps, other than felt, straw, and wool.	3	57	5	5	7		40	Mh 47	My 30	42	25	17			35,734
39 House-furnishing goods, not elsewhere specified.	6	50	7	4	5	5	20	Mh 38	De 16	29	20	9			165,954
40 Leather goods.	18	287	17	17	41	8	204	Oc 222	Ap 183	231	224	7			815,576
41 Lumber, planing-mill products, not including planing mills connected with sawmills.	15	548	7	21	42	13	465	Se 516	Fe 388	464	453		11		2,018,548
42 Marble and stone work.	13	178	9	16	9	5	139	Oc 180	Fe 101	146	146				352,084

\* 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.								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. <sup>1</sup>	Internal-combustion engines. <sup>2</sup>	Water wheels and motors. <sup>1</sup>		Electric (rented).

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

\$157,029	\$199,858	\$374,095		\$23,649	\$18,518	\$1,312,599	\$19,893	\$3,484,293	\$2,151,801	1,609	1,500	55	54	1,291	1
132,049	129,772	265,066		17,858	15,181	878,375	11,826	2,805,610	1,915,409	1,143	1,100	35	8	1,141	2
24,980	70,086	109,029		5,791	3,337	434,224	8,067	678,683	236,392	466	400	20	20	46	3
16,090	12,309	90,849	\$205	2,359	1,411	148,998	2,479	281,332	129,855	735	654	10		51	4
		2,100		456	16	3,500	585	9,800	5,715	33				33	5
1,398,308	2,151,181	10,152,119	43,837	202,923	422,840	65,669,332	2,624,518	88,971,499	20,677,649	55,810	33,991	653	21,176	18,897	6

Lamps.....	3	Peanuts, grading, roasting, cleaning, and shelling.....	4	Smelting and refining, lead.....	3	Toys and games.....	3
Lapidary work.....	1	Pens, fountain and stylographic.....	1	Smelting and refining, zinc.....	1	Type founding.....	2
Lard, not made in slaughtering and meat-packing establishments.....	1	Petroleum, refining.....	4	Smelting and refining, not from the ore.....	1	Umbrellas and canes.....	3
Leads.....	1	Photographic apparatus.....	4	Soda-water apparatus.....	2	Upholstering materials, not elsewhere specified.....	2
Lead, bar, pipe, and sheet.....	1	Printing materials.....	3	Springs, steel, car, and carriage.....	2	Vault lights and ventilators.....	1
Liquors, vinous.....	6	Pumps, not including power pumps.....	3	Stationery goods, not elsewhere specified.....	2	Wall plaster.....	1
Lubricating greases.....	2	Roofing materials, other than metal.....	4	Steam packing.....	3	Watch cases.....	1
Malt.....	1	Rules, ivory and wood.....	1	Stencils and brands.....	3	Whips.....	1
Musical instruments, organs.....	2	Safes and vaults.....	1	Stoves and brands.....	2	Window shades and fixtures.....	4
Musical instruments, pianos.....	2	Saws.....	2	Stoves, gas and oil.....	2	Wood preserving.....	2
Netts and seines.....	1	Scales and balances.....	2	Suspenders, garters, and elastic woven goods.....	2	Wool pulling.....	1
Oil, cottonseed, and cake.....	5	Screws, machine.....	2	Theatrical scenery.....	2	Wool scouring.....	1
Oilcloth, enameled.....	1	Sewing machines and attachments.....	2	Tin foil.....	1	Woolen goods.....	2
Oleomargarine.....	3	Shipbuilding, wooden, including boat building.....	3				

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

\$2,042,047	\$2,972,275	\$10,508,625	\$450,440	\$301,188	\$888,400	\$30,975,119	\$1,005,504	\$60,953,411	\$28,972,788	35,706	18,510	2,186	7	15,002	5,788	1
7,400	1,253	15,527		1,676	580	14,346	141	44,637	30,150	17		5		12		2
	520	25,213		9,825	271	27,645	1,828	90,201	60,728	53		31		22		3
1,000	500	1,336		430	59	2,253	26	7,605	5,328	3		3				4
31,538	60,125	255,920	1,885	18,336	5,518	299,816	3,350	965,602	662,526	167				167		5
12,310	13,988	61,617		12,226	1,466	80,454	2,695	210,340	127,191	102				102		6
15,919	6,247	91,733	8,744	7,720	1,780	243,947	979	422,942	178,016	451	405			46	499	7
87,619	427,236	968,901	950	84,831	39,771	3,352,974	88,540	7,093,367	3,651,853	1,973	1,545	22		406	1,464	8
25,450	21,860	206,146		2,800	4,216	95,802	95,464	537,917	345,651	1,377	1,010	2		365	117	9
1,040	1,188	25,365		980	572	34,526	486	80,319	45,307	41		8		33		10
3,800	1,378	31,710	2,555	5,160	397	43,377	1,340	114,166	69,449	57		25		32		11
14,507	7,238	106,501		12,630	1,394	126,900	5,750	327,500	194,850	273	125	39		109		12
5,029	2,933	50,981		6,174	756	72,814	3,146	176,340	100,380	172	125	3		44		13
9,478	4,305	55,520		6,456	638	54,086	2,604	151,160	94,470	101		36		65		14
52,953	23,592	844,271		7,101	7,101	523,179	56,389	1,603,839	923,731	1,401	1,385			55	931	15
6,800	39,522	15,960		5,044	940	63,077	10,477	171,963	98,409	165	100			65		16
4,040	6,480	2,438		1,528	223	21,323	113	57,551	30,115	6				6		17
38,003	28,929	254,128	8,823	14,930	2,241	721,798	7,487	1,194,921	465,636	189		40		149		18
8,600	3,213	26,078		3,156	286	74,334	519	135,493	60,640	13				13		19
32,520	79,279	50,015	1,200	17,727	4,149	1,216,709	8,060	1,647,667	422,898	680	310			370	75	20
27,951	50,490	138,224	500	19,868	6,861	625,519	26,189	1,459,860	808,152	758	230			528	115	21
18,051	41,937	81,292		17,829	5,783	442,092	7,304	1,013,230	563,834	254	230			24	115	22
9,900	8,553	56,932	500	2,039	1,078	183,427	18,885	446,630	244,318	504				504		23
30,403	34,134	337,975	1,370	19,674	4,633	553,662	6,390	1,216,457	656,405	250				246		24
3,600		10,306		2,190	156	59,174	246	89,875	30,455	8		4		8		25
11,400	12,992	23,725		4,400	336	97,797	539	224,477	126,141	7				7		26
44,460	26,053	79,004		4,470	4,470	3,191,153	24,124	3,528,802	313,615	1,837	1,385			452		27
25,294	44,625	95,479	1,000	16,450	4,664	1,179,314	14,822	1,769,062	571,866	622	415	5		202	189	28
102,333	79,972	354,871	3,546	34,913	9,759	624,450	20,645	1,410,072	874,997	1,125	271	453	7	394	90	29
5,300	1,560	27,200	480	1,740	354	35,412	5,156	88,040	48,342	77		12		65		30
97,033	78,412	327,671	3,066	33,173	9,405	487,988	15,489	1,330,132	826,655	1,048	271	441	7	329	80	31
18,247	10,416	72,590	25,000	7,105	1,072	255,399	2,167	442,062	185,396	69		12		57		32
25,180	21,002	176,419	900	16,365	3,444	321,021	8,194	720,848	391,633	563	310	53		200		33
11,480	13,127	84,869	500	6,545	1,801	231,677	4,808	466,793	230,208	346	250	25		71		34
13,700	7,875	91,520	400	9,820	1,643	89,344	3,986	254,055	161,325	217	60	28		129		35
15,360	8,016	24,991		3,962	321	56,910	1,999	115,445	56,536	62	10	12		40		36
3,250	2,580	16,205	360	2,766	222	16,793	598	52,906	35,515	24				24		37
6,400	6,163	21,222		1,740	69	37,570	525	90,235	52,140	4				4		38
3,645	5,555	17,552		3,335	778	77,880	3,264	140,062	59,818	205	125			50		39
29,350	35,316	122,779		22,152	3,496	506,061	5,543	788,019	276,415	165	80			85	65	41
36,252	68,089	351,005	1,248	15,981	11,793	1,066,219	9,175	1,660,488	585,094	1,481	1,120	125		236	20	42
25,710	10,916	119,094	4,398	5,110	2,697	162,564	8,109	410,379	239,706	533		83		450		42

<sup>1</sup> Same number reported throughout the year.

<sup>2</sup> Same number reported for one or more other months.





MANUFACTURES—MISSOURI.

TABLE 37.—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.				16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Total.	Male.	Female.	Male.	Female.		
								Maximum month.	Minimum month.							

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

1	ST. LOUIS—All industries.....	2,787	104,187	1,900	3,930	10,450	2,849	85,058	Ap 90,433	De 76,373	84,828	63,523	20,104	617	582	\$314,728,285
2	Automobiles, including bodies and parts.....	16	542	5	32	56	15	434	My 487	De 321	385	374	11			1,688,065
3	Automobile repairing.....	5	18	4			1	13	Fe 18	No 10	11	11				29,999
4	Awnings, tents, and sails.....	10	295	4	24	36	12	219	My 265	No 174	215	86	129			478,613
5	Blacking, stains, and dressings.....	10	78	6	13	16	7	36	My 40	No 30	34	14	17		3	166,663
6	Bookbinding and blank-book making.....	23	514	18	25	18	12	441	Fe 478	No 412	424	186	217	7	14	615,304
7	Boots and shoes, including cut stock and findings.....	27	10,260	4	152	1,114	261	8,729	Ap 10,455	No 5,768	8,085	5,105	2,842	80	58	22,886,292
8	Boxes, fancy and paper.....	23	896	6	46	39	19	786	Fe 841	Oc 710	760	233	455	4	68	2,027,326
9	Boxes, wooden packing.....	15	837	2	36	30	11	758	Jy 866	No 675	897	653	11	33		1,854,119
10	Brass and bronze products.....	11	423	6	28	37	3	349	Au 382	Fe 325	346	344		2		1,639,448
11	Bread and other bakery products.....	470	3,513	478	73	415	64	2,483	Oc 2,522	My 2,420	2,515	1,814	646	7	48	6,957,769
12	Brick tile, pottery, and other clay products.....	19	3,496	1	71	183	29	3,212	Je 3,650	De 2,533	3,209	3,182	10	17		11,588,416
13	Brooms, from broom corn.....	13	84	11	2	8		82	De 70	Fe 56	67	64		3		35,309
14	Buttons.....	3	12	5				7	Mh 9	Jy 3	9	5	3	1		3,257
15	Carpets, rag.....	3	7	4				3	No 7	Mh 1	8	7				2,150
16	Carriage and wagon materials.....	10	234	4	19	8	7	196	Ap 257	Au 127	186	188	16	2		569,829
17	Carriages, wagons, and repairs.....	78	1,749	78	64	93	37	1,482	De 70	Fe 56	1,582	1,561	21			3,619,437
18	Carriages and wagons.....	67	1,714	61	61	93	37	1,462	My 1,817	De 1,080	1,561	1,540	21			3,580,293
19	Repair work only.....	11	35	12	3			20	My 21	Ja 19	21	21				38,144
20	Cars and general shop construction and repairs by steam-railroad companies.....	8	1,748		21	55	3	1,668	Ap 1,738	De 1,603	1,606	1,604	2			981,801
21	Chemicals.....	15	1,130	5	53	256	32	784	Se 862	De 733	776	672	91	5	8	5,581,501
22	Cleansing and polishing preparations.....	13	58	6	12	12	5	23	Ap 31	Oc 17	21	16	5			57,734
23	Clothing, men's.....	42	3,233	31	91	286	82	2,743			2,970	860	2,086	1	23	4,045,677
24	Men's and youths'.....	39	3,158	28	84	274	78	2,694	Ja 3,072	Oc 2,159	2,916	824	2,068	1	23	3,931,691
25	Boys'.....	3	75	3	7	12	4	4	Ap 56	Au 42	54	26	18			113,986
26	Clothing, women's.....	66	2,593	47	109	112	54	2,271			2,339	480	1,806	1	52	2,094,996
27	Suits, skirts, and cloaks.....	34	1,097	21	63	63	27	923	Se 1,059	De 721	917	374	534		9	975,951
28	Undergarments and petticoats.....	10	848	10	21	17	11	789	Ja 914	No 690	858	68	757	1	32	567,742
29	All other.....	22	618	16	25	32	16	559	Se 656	No 463	564	38	515	11		461,273
30	Coffee and spice, roasting and grinding.....	20	1,093	5	68	442	70	499	Ja 516	My 483	493	309	181		3	5,123,203
31	Coffins, burial cases, and undertakers' goods.....	5	462		12	33	4	413	Fe 434	De 391	391	309	80	2		1,249,573
32	Confectionary and ice cream.....	63	1,971	58	64	169	40	1,640			1,613	627	961	1	24	3,372,877
33	Confectionary.....	48	1,726	45	33	145	31	1,472	Oc 1,719	Ap 1,368	1,453	470	958	1	24	2,440,544
34	Ice cream.....	15	245	13	31	24	9	168	Au 218	Fe 126	160	157	3			932,333
35	Cooperage and wooden goods, not elsewhere specified.....	18	657	11	24	14	4	804	Se 692	Ja 517	591	573		18		1,190,209
36	Copper, tin, and sheet-iron work.....	85	646	80	46	31	8	481	Se 527	Ja 430	484	474	2	8		1,005,473
37	Cutlery and tools, not elsewhere specified.....	12	189	12	8	8	6	155	Ja 180	Je 60	158	149	1	8		602,355
38	Dental goods.....	3	21	1	5		1	14	(*) 14	(*) 14	14	11	3			137,551
39	Druggists' preparations.....	8	273	2	21	75	21	164	Au 164	Jy 143	156	61	93	1	1	638,912
40	Electrical machinery, apparatus, and supplies.....	12	1,728	5	95	152	56	1,420	Ja 1,578	De 1,205	1,320	877	417	4	22	3,418,417
41	Electroplating.....	8	84	11	6	1	1	65	Mh 73	De 56	55	53		2		51,352
42	Enameling and japanning.....	3	42	3				39	Ja 40	No 38	41	40	1			14,737
43	Engraving and diesinking.....	8	13	8				5	Oc 6	Jy 3	7	5		2		2,247
44	Engraving, steel and copper plate, including plate printing.....	8	95	4	13	6	3	69	Ja 75	Jy 60	76	44	31	1		39,977
45	Flavoring extracts.....	8	174	3	15	64	14	78	Jy 98	De 59	60	33	27			508,968
46	Flour-mill and gristmill products.....	5	140		14	19	9	98	Au 120	Ja 89	106	106				1,585,258
47	Food preparations, not elsewhere specified.....	23	625	13	50	127	45	390	Oc 445	Fe 358	448	310	113	13	7	1,309,700
48	Foundry and machine-shop products.....	118	4,204	52	270	323	89	3,470			2,985	2,968	3	14		10,937,923
49	Boiler shops and foundries.....	13	1,152	1	71	45	11	1,024	Mh 1,107	De 837	892	888		4		3,040,870
50	Machine shops.....	105	3,052	51	199	278	78	2,446	Fe 2,707	No 1,941	2,993	2,080	3	10		7,947,953
51	Furnishing goods, men's.....	9	489	1	22	31	11	424	Se 488	De 325	430	113	307	2	8	357,035
52	Furniture.....	56	3,063	17	162	193	45	2,646			2,621	2,539	53	26	3	5,324,067
53	Wood, other than rattan or willow.....	36	2,935	10	96	126	25	1,778	Mh 1,929	De 1,662	1,744	1,680	40	21	3	3,772,954
54	Metal.....	4	533		36	45	10	442	Mh 482	De 318	449	433	12	4		821,194
55	Store and office fixtures.....	16	495	7	30	22	10	426	Au 481	Mh 371	428	426	1	1		729,929
56	Gas and electric fixtures and lamps and reflectors.....	6	279	4	15	31	12	217	Fe 227	No 197	198	193	3	2		286,611
57	Glass, cutting, staining, and ornamenting.....	14	210	7	10	10	4	179	Fe 195	De 160	172	152	13	7		373,831
58	Hats and caps, other than felt, straw, and wool.....	7	159	9	6	2	3	139	No 155	Ja 121	144	84	59	1		106,378
59	Ice, manufactured.....	7	350	1	17	12	1	319	Je 380	Fe 260	324	324				3,610,029
60	Jewelry.....	13	322	13	20	18	23	248	Ja 279	Au 217	260	232		8		183,335
61	Liquors, malt.....	12	5,488		82	428	37	4,941	Ja 5,244	De 4,719	4,901	4,635	262	4		56,199,339
62	Looking-glass and picture frames.....	5	19	4	1			14	Au 20	Fe 12	15	12		3		22,977
63	Lumber and timber products.....	5	461		23	8	2	428	Ja 472	No 376	381	339	25	11	6	941,925
64	Lumber, planing-mill products, not including planing mills connected with sawmills.....	48	1,227	23	79	76	9	1,040	Au 1,125	De 946	968	962	1	5		2,303,731
65	Marble and stone work.....	37	441	27	47	31	7	329	Ja 372	De 297	354	353	1			979,986
66	Mattresses and spring beds.....	15	178	13	8	12	5	140	Oc 148	Fe 131	144	113	30	1		275,254

1 Owned power only.

2 Includes rented power, other than electric.

MANUFACTURES—MISSOURI.

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.			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.			Total.	Steam engines. <sup>1</sup>	Internal-combustion engines. <sup>2</sup>	Water wheels and motors. <sup>1</sup>		Electric (rented).

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

\$9,996,425	\$13,976,919	\$51,149,781	\$1,111,623	\$2,684,370	\$11,693,991	\$198,271,210	\$5,535,036	\$360,479,868	\$156,673,572	169,982	127,647	5,806	8	36,521	48,996	1
71,686	103,504	327,286		17,024	7,369	1,015,190	14,451	1,881,578	851,937	550	150			400		2
	600	7,470		1,466	241	2,772	778	26,378	22,828	17				17		3
38,522	35,691	82,689		21,296	2,145	504,421	3,569	751,572	246,582	90				90		4
19,645	21,984	18,311		5,128	803	214,200	2,123	357,620	141,297	227	130			97		5
45,510	26,870	204,453	1,900	14,838	1,671	139,213	8,508	582,532	434,811	246				246		6
432,234	1,640,896	4,453,136		62,423	107,346	22,548,965	81,197	31,048,945	8,418,783	5,602	3,950			1,652	2,100	7
84,938	54,656	348,675	306	42,966	4,763	550,828	18,543	1,255,751	686,380	542	125	20		397	125	8
81,870	38,049	334,065		33,516	13,697	1,192,891	17,565	2,036,182	825,726	3,962	2,945	4		1,013	5	9
77,188	53,265	236,961		3,382	10,513	2,367,125	31,896	2,936,923	537,902	445	160			285	80	10
149,528	524,517	1,422,109	3,932	191,137	46,552	4,691,840	188,174	9,453,546	4,573,532	2,153	822	28		1,303	289	11
244,171	207,841	1,776,156	3,647	14,711	78,398	596,928	520,305	4,059,758	2,942,525	6,789	6,405	65		319	1,351	12
2,150	4,199	34,595	155	2,285	380	84,502	1,034	142,059	58,523	27				27		13
		2,216		552	31	2,210	73	7,650	5,367	4						14
		1,138	140	375	26	447	81	3,800	3,272	15				3		15
32,664	13,614	100,964		13,110	2,810	369,744	3,040	632,577	259,793	831	785	2		44		16
140,790	145,550	1,031,902	9,173	79,408	28,135	2,715,682	25,810	4,484,048	1,742,556	1,251	609	6		636	80	17
137,288	145,550	1,015,297	9,173	73,941	25,752	2,703,012	24,784	4,223,148	1,695,352	1,221	609	6		606	80	18
9,492		18,605		5,467	884	12,670	1,026	60,900	47,204	30				30		19
31,098	46,778	1,294,162	3,941		2,234	788,500	46,028	2,235,117	1,400,589	1,390	597			793	78	20
199,025	315,080	458,546		13,321	40,373	3,891,935	67,986	6,471,061	2,511,140	1,389	1,120			260	670	21
19,662	11,355	12,336	14,729	4,715	266	80,724	1,059	159,655	107,872	48				48		22
205,342	388,635	1,268,727	84,184	114,913	17,721	3,788,574	21,937	6,829,034	3,018,523	798	350		6	442	84	23
194,292	373,010	1,247,499	69,692	110,253	17,400	3,690,713	20,932	6,596,260	2,894,615	789	350		6	433	84	24
11,050	15,625	14,422	4,660	321	97,891	1,005	321	232,774	133,908	9				9		25
120,528	161,358	1,062,309	1,782	97,304	7,246	2,928,141	19,181	5,353,268	2,406,946	581	100			481		26
120,408	97,217	539,483	150	53,528	4,037	1,282,382	8,955	2,573,746	1,312,409	228				228		27
47,228	21,949	285,791	354	22,886	2,040	985,300	5,903	1,530,399	538,195	221	100			121		28
42,892	42,190	1,278	1,278	20,890	1,169	337,035	4,233	1,249,123	553,341	132				132		29
222,050	618,717	273,729	1,658	86,068	22,613	9,109,946	53,239	11,971,901	2,808,716	1,808	253			1,555	10	30
37,600	39,126	252,495	210	8,200	4,804	527,980	5,012	958,607	425,608	755	750			5	54	31
150,263	292,060	648,059	150	83,122	17,984	2,775,558	51,605	4,668,334	1,841,171	2,105	1,245	6		854	484	32
98,459	241,314	520,252		76,066	10,705	2,115,154	31,586	3,589,785	1,443,045	1,320	910			410	379	33
51,894	20,746	127,807	150	7,116	7,279	660,404	20,019	1,078,549	398,126	785	335	6		444	105	34
58,596	16,647	325,424		11,680	8,240	893,012	10,487	1,447,103	543,604	1,227	985			242	53	35
116,152	26,365	346,187	3,090	35,903	6,810	948,065	10,202	1,793,360	835,093	377		114		263	6	36
17,449	9,636	95,439		3,129	3,513	134,428	7,967	306,358	163,963	349	225	20		104		37
9,300	740	8,426		2,600	61	13,128	748	58,246	44,470	5				5		38
41,876	99,145	67,131	150	10,855	4,294	453,048	3,621	1,171,492	682,820	85	45			40	66	39
233,974	175,826	827,542	31,345	30,960	16,685	1,186,496	42,076	3,275,247	2,046,675	1,400	30			1,370		40
7,704	1,270	45,618		5,340	376	20,397	6,008	107,538	81,133	443				443		41
		28,922		2,352	21	7,591	1,946	51,516	41,979	11				11		42
		2,796		1,689	162	133	6	12,318	12,179							43
21,354	4,488	40,391	280	5,826	115	17,277	552	106,512	88,683	17				17		44
41,656	118,512	40,598	100	8,650	2,376	411,923	3,080	770,471	355,468	97				97		45
45,607	44,065	63,510		5,700	4,712	2,593,462	11,790	2,964,053	358,801	1,598	1,450			148		46
114,040	185,885	176,442	685	29,231	7,780	4,247,323	20,541	5,129,857	861,993	1,083	575	175		833		47
549,333	415,862	2,437,742	36,116	86,060	62,110	3,911,343	242,026	8,886,184	4,732,815	7,390	3,483	1,508	2	2,397	732	48
159,533	64,944	696,962	1,560	6,378	18,475	1,102,449	105,710	2,316,215	1,108,056	1,271	1,015	30		226	340	49
389,800	350,918	1,740,780	34,556	79,682	43,635	2,808,894	136,316	6,599,969	3,624,759	6,119	2,468	1,478	2	2,171	392	50
46,252	31,887	134,638		18,500	1,541	566,756	1,314	901,718	333,648	35				35		51
316,182	216,899	1,567,564	2,883	64,755	36,515	2,495,015	40,375	5,621,890	3,096,570	4,856	4,247	114		495	673	52
187,620	138,035	974,904		41,634	24,064	1,539,134	17,644	3,421,940	1,865,171	3,440	3,340	52		48	289	53
64,768	54,252	260,481		1,738	8,685	611,831	12,157	1,180,964	556,956	543	450			93	264	54
63,894	24,612	332,199	2,883	21,383	3,766	344,060	10,474	1,018,977	664,443	873	457	62		354	120	55
27,388	35,910	131,780		14,049	2,130	182,455	11,601	576,099	382,043	360				360		56
18,730	12,786	104,158	4,600	10,959	918	77,812	7,407	305,183	219,964	170				170		57
9,680	1,815	89,625		6,990	586	252,289	1,307	387,197	193,511	16				16		58
37,000	10,912	271,722	10,944	1,207	27,726	176,794	240,827	1,128,614	710,993	8,700	8,300	400			1,579	59
41,574	45,332	194,770		30,562	4,531	234,949	1,362	655,198	418,887	111				111		60
509,679	733,988	4,106,988	4,073	84,007	4,306,118	5,177,175	471,594	20,829,474	21,180,705	25,210	24,252	915		43	12,978	61
2,400		8,224		3,012	166	14,900	265	33,733	18,568	5				5		62
54,130	11,948	236,904	1,064	4,910	4,872	393,228	9,082	814,509	412,201	1,325	1,215			110	76	63
132,601	77,242	713,522		28,252	18,413	893,573	30,962	2,112,814	1,188,279	4,948	3,520	130		1,298	650	64
60,903	33,508	279,671	9,042	16,265	7,148	609,227	16,302	1,180,214	554,685	1,155	500			655	10	65
14,540	10,873	88,777		10,317	1,233	233,146	5,101	409,017	170,770	244				244		

MANUFACTURES—MISSOURI.

TABLE 37.—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.			16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.					

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

1	ST. LOUIS—Continued.	20	733	10	37	41	27	618				600	67	525	2	6	\$701,451	
2	Millinery and lace goods	11	544	5	26	27	20	466	Fe	705	Je	239	453	45	404	1	3	572,802
3	Trimmed hats and hat frames	9	189	5	11	14	7	152	Je	168	Je	143	147	22	121	2	1	128,649
4	All other	38	366	23	40	33	8	262	Jy	387	Ja	196	256	248	6	2	553,914	
5	Mineral and soda waters	16	111	16	8	8	2	77	Ja	87	Oc	65	77	76	1	1	73,985	
6	Models and patterns, not including paper patterns	26	812	3	68	183	43	515	Je	613	Ja	427	463	430	32	1	4,792,101	
7	Paint and varnish	100	1,261	40	119	229	176	697	Ap	747	No	660	700	252	436	7	5	3,877,261
8	Patent medicines and compounds	6	276	18	8	8		252	Je	350	De	139	189	189			385,268	
9	Paving materials	17	118	20	8	17	24	49	My	60	Oc	33	49	14	35		420,550	
10	Perfumery and cosmetics	12	229	5	22	36	8	158	Ap	173	No	140	153	144	5	4	157,331	
11	Photo-engraving	5	102	4	8	25	10	55	Je	63	De	48	57	33	20	1	118,362	
12	Pickles, preserves, and sauces	4	289		13	9	4	263	Fe	303	De	233	231	234			488,383	
13	Plumbers' supplies, not elsewhere specified	217	4,372	183	204	571	151	3,260					3,281	2,393	791	84	13	6,056,125
14	Printing and publishing, book and job	195	4,142	177	180	475	116	3,194	Mh	3,363	No	3,081	3,215	2,335	785	82	13	5,515,902
15	Job printing	15	188	4	23	93	34	34	Ja	42	So	29	33	28	4	1		461,741
16	Book publishing and printing	7	42	5	1	3	1	32	Fe	34	Je	29	33	30	2	1		78,482
17	Linotype work and typesetting	110	2,923	56	154	928	301	1,489					1,471	1,350	114	6	1	5,238,055
18	Printing and publishing, newspapers and periodicals	20	2,135	5	75	784	134	1,137	Mh	1,195	Se	1,082	1,105	1,046	58			4,129,324
19	Printing, publishing, and job printing	23	524	11	33	53	75	352	De	378	Jy	335	366	304	56	6		925,961
20	Publishing without printing	67	269	40	46	91	92			( <sup>4</sup> )	( <sup>4</sup> )		103	100	2	1		182,770
21	Refrigerators	6	161	2	14	13	6	126	My	162	Fe	95	394	381	12	1		227,062
22	Saddlery and harness	27	547	18	23	130	7	369	De	537	Au	332	19	19				1,322,255
23	Sausage	6	30	2	1	1		19	No	20	Ap	18	19	19				103,867
24	Shirts	12	2,432	7	38	30	14	2,348	Fe	3,058	Se	1,155	2,001	267	2,582		52	1,255,015
25	Show cases	5	192	11	2	4		175	Mh	185	No	163	164	164				355,895
26	Slaughtering and meat packing	17	2,366	8	77	194	40	2,047	De	2,187	Mh	1,931	2,208	2,150	53	5		7,792,947
27	Soap	9	796	6	19	151	99	521	My	565	Se	477	497	341	142	9	5	3,086,373
28	Stamped ware	5	665	13	36	5		611	Mh	739	No	435	581	441	140			1,963,922
29	Statuary and art goods	4	58	1	13	3	2	41	My	45	De	36	41	40	1			75,425
30	Stereotyping and electrotyping	11	113	11	7	3		93	Mh	94	Je	92	95	91	1	3		63,950
31	Stoves and furnaces, including gas and oil	23	2,373	68	353	36		1,916	Ap	2,409	Au	1,241	2,186	2,155	21	10		9,019,131
32	Structural ironwork, not made in steel works or rolling mills	3	17	2	3			12	( <sup>5</sup> )	12	( <sup>5</sup> )	12	12	10	2			6,923
33	Surgical appliances	5	810	4	25	40	15	726	Mh	780	De	650	660	477	160	12	11	1,507,419
34	Tinware, not elsewhere specified	211	853	218	20	18	2	595	Mh	613	No	574	604	532	57	15		523,740
35	Tobacco, cigars	8	539	3	27	45	10	454	Au	516	De	292	403	358	43	4		798,194
36	Trunks and valises	5	50		10	11	6	23	( <sup>5</sup> )	23	( <sup>5</sup> )	23	23	23				162,383
37	Vinegar and cider	6	103	4	9	6	5	79	My	111	De	57	66	66				175,014
38	Window and door screens and weather strips	10	863	6	24	102	19	712	Fe	793	No	645	662	610	42	10		3,298,609
39	Wirework, including wire rope and cable, not elsewhere specified	4	19	8				11	Fe	15	Oc	6	12	12				18,180
40	Wood, turned and carved	312	21,564	130	692	2,010	607	18,125					18,546	14,456	3,822	130	138	88,576,872

* All other industries embrace—	Cars and shop construction and repairs by electric-railroad companies	1	Engines, steam, gas, and water	2	Hair work	2
Agricultural implements	Cars, electric-railroad, not including operations of railroad companies	1	Engravers' materials	1	Hand stamps	3
Artificial flowers	Cars, steam-railroad, not including operations of railroad companies	2	Engraving, wood	6	Hardware	7
Artificial limbs	Cash registers and calculating machines	3	Envelopes	5	Hardware, saddlery	2
Artificial stone products	Clocks	2	Feathers and plumes	2	Hat and cap materials	1
Asbestos products	Clothing, men's, buttonholes	2	Fertilizers	3	Hats, fur-felt	5
Babbitt metal and solder	Cordage and twine	2	Fire extinguishers, chemical	4	Hats, straw	4
Bags, other than paper	Cordials and flavoring sirups	3	Flags and banners	1	House-furnishing goods, not elsewhere specified	2
Baking powders	Corsets	1	Fundry supplies	1	Ink, writing	2
Baskets, and rattan and willow ware	Cotton goods	1	Fuel, manufactured	1	Instruments, professional and scientific	4
Bells	Cotton lace	1	Fur goods	3	Iron and steel, steel works and rolling mills	2
Belting, leather	Cream separators	2	Furs, dressed	1	Iron and steel, bolts, nuts, washers, and rivets	1
Billiard tables and materials	Dyeing and finishing textiles	2	Gas, illuminating and heating	3	Iron and steel, doors and shutters	3
Bluing			Gas machines	1	Iron and steel forgings	1
Boxes, cigar			Glass	3		
Brushes			Gloves and mittens, leather	2		
Butter			Grease and tallow, not including lubricating greases	5		

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

42	CAPE GIRARDEAU	42	1,397	30	46	39	23	1,259	Ap	1,330	No	1,078	1,268	1,047	214	7		\$3,074,138
43	COLUMBIA	22	572	17	20	40	16	479	Ja	593	Je	194	496	365	130	1		1,414,210
44	HANNIBAL	65	2,758	61	100	182	49	2,366	Je	2,484	De	2,194	2,288	1,815	470	2	1	4,055,980
45	JEFFERSON CITY	50	1,846	51	116	241	37	1,401	Au	1,531	De	1,106	1,419	947	614	15	43	4,536,523
46	JOPLIN	100	1,466	92	65	117	36	1,156	Jy	1,206	Ja	1,086	1,169	775	187	6	1	4,037,067
47	MOBERLY	30	1,603	22	50	100	20	1,411	Oc	1,514	Ap	1,330	1,490	1,335	146	8	1	2,066,174
48	ST. CHARLES	19	1,921	13	50	155	20	1,683	Se	1,867	De	1,370	1,392	1,179	212	1		4,150,240
49	SEDALIA	69	1,133	63	51	103	13	903	Se	1,093	My	784	952	819	127	5	1	2,385,820
50	SPRINGFIELD	109	2,433	94	122	159	49	2,009	Jy	2,248	De	1,843	1,972	1,851	115	5	1	7,010,199
51	WEBB CITY	20	185	18	10	19	2	136	Jy	146	Mh	123	146	133	6	7		746,382

<sup>1</sup> Owned power only. <sup>2</sup> Includes rented power, other than electric. <sup>3</sup> Same number reported for one or more other months. <sup>4</sup> No wage earners employed.

MANUFACTURES—MISSOURI.

817

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. <sup>1</sup>	Internal-combustion engines. <sup>2</sup>	Water wheels and motors. <sup>1</sup>		Electric (rented).

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

\$87,521	\$53,110	\$296,569	.....	\$43,564	\$2,417	\$781,651	\$10,099	\$1,625,577	\$833,827	223	125	.....	98	5	1
67,207	47,175	198,184	.....	30,904	1,680	646,419	8,488	1,338,726	683,819	205	125	.....	80	5	2
20,314	5,935	68,385	.....	12,660	737	135,232	1,611	286,851	150,008	18	.....	.....	18	.....	3
53,132	32,620	155,335	\$3,050	17,003	4,008	290,651	7,887	739,432	441,394	306	174	.....	132	10	4
13,252	8,064	51,261	120	6,599	332	33,340	2,830	157,317	121,047	75	.....	.....	75	.....	5
198,955	229,159	337,398	359	53,665	27,834	3,175,879	41,092	5,002,918	1,785,947	2,363	1,949	21	393	331	6
395,052	374,999	332,036	25,277	61,934	29,735	1,697,990	14,666	6,084,497	4,371,841	488	135	79	274	201	7
20,447	5,821	114,020	33,225	7,093	4,011	36,417	13,531	272,833	222,905	985	565	.....	420	.....	8
30,800	93,157	21,804	7,352	3,535	5,180	276,094	2,216	512,927	234,617	101	.....	.....	101	.....	9
52,904	33,464	144,631	1,800	13,155	805	36,004	4,824	362,721	321,893	60	.....	.....	60	.....	10
15,450	19,939	29,000	.....	3,568	594	314,082	1,231	432,250	116,937	30	10	.....	20	.....	11
26,664	9,699	169,509	.....	8,040	3,371	229,416	12,639	531,503	289,448	499	400	.....	99	10	12
493,373	728,740	2,193,311	222,048	216,026	32,508	2,444,694	85,635	7,949,286	5,418,957	3,800	785	.....	3,015	385	13
443,453	665,064	2,138,314	66,624	202,623	31,107	2,416,160	83,704	7,412,751	4,912,887	3,760	785	.....	2,975	385	14
48,360	63,244	21,091	154,424	11,248	1,186	23,582	529	470,122	446,011	25	.....	.....	25	.....	15
1,560	432	33,906	1,000	2,155	215	4,952	1,402	66,413	60,059	15	.....	.....	15	.....	16
500,164	1,218,676	1,460,718	432,431	140,880	49,089	2,260,015	61,230	8,655,593	6,334,348	2,444	1,265	.....	1,179	812	17
320,048	957,538	1,149,833	26,796	106,537	43,995	1,872,908	47,554	6,517,992	4,597,530	2,044	1,265	.....	779	812	18
86,470	99,025	310,885	27,328	14,395	4,654	320,730	13,488	1,199,205	864,987	400	.....	.....	400	.....	19
93,646	162,113	.....	378,397	19,957	440	66,377	188	938,396	871,831	.....	.....	.....	.....	.....	20
28,580	21,947	98,800	.....	6,238	1,163	163,444	4,523	397,789	229,822	174	.....	.....	174	.....	21
58,920	116,163	242,446	.....	34,905	8,008	943,280	5,389	1,649,099	700,430	130	.....	4	128	.....	22
4,800	1,482	14,126	.....	2,520	306	83,170	1,510	127,478	42,798	69	60	.....	9	.....	23
71,331	46,598	915,504	.....	48,075	4,262	2,022,850	27,659	3,443,731	1,393,222	972	810	.....	162	463	24
35,530	10,112	101,013	.....	8,760	2,355	193,395	6,472	426,754	226,887	219	.....	.....	219	.....	25
186,488	258,957	1,352,077	1,197	15,320	26,136	33,556,748	147,009	36,506,152	2,802,395	5,869	5,740	.....	120	2,338	26
62,877	204,192	279,289	.....	26,329	15,149	2,766,978	43,842	4,919,683	2,108,865	1,358	1,275	.....	83	525	27
42,430	46,758	333,615	338	42,827	8,498	1,462,559	17,235	2,340,515	860,699	742	700	.....	42	470	28
18,636	1,884	33,856	2,500	4,500	326	28,464	2,031	113,374	80,859	35	.....	.....	35	.....	29
20,900	5,766	65,931	.....	4,800	347	26,661	5,463	166,403	131,279	197	.....	.....	197	.....	30
261,848	458,911	1,335,670	7,570	7,920	56,675	2,673,317	45,556	7,478,760	4,739,887	3,029	2,187	.....	842	932	31
132,998	134,890	720,350	10,710	9,296	15,635	1,291,708	34,260	2,721,358	1,395,391	1,951	455	16	1,480	240	32
3,120	5,181	.....	.....	750	114	3,265	433	17,071	13,398	3	.....	.....	3	.....	33
59,741	60,265	363,679	.....	12,469	12,227	989,265	16,833	1,812,304	806,201	630	390	35	205	504	34
25,336	21,583	374,150	500	26,816	95,820	483,955	2,571	1,293,736	807,210	4	.....	.....	4	.....	35
60,634	62,121	276,024	.....	39,563	5,425	544,982	10,748	1,402,555	846,825	350	150	.....	290	330	36
21,035	11,620	12,166	795	7,637	703	123,744	1,600	293,865	78,521	52	.....	.....	52	.....	37
17,459	9,472	56,201	.....	1,620	1,137	69,889	2,518	185,962	113,555	221	100	6	115	.....	38
147,263	196,391	350,745	.....	16,157	18,011	1,161,489	18,456	3,264,732	2,084,787	1,521	1,500	.....	21	1,287	39
.....	7,077	.....	.....	899	77	3,974	597	15,657	11,086	33	.....	.....	23	.....	40
1,817,573	2,465,342	10,845,549	132,062	345,288	6,316,560	51,063,512	2,501,086	94,320,205	40,755,577	48,214	39,549	2,109	6,556	17,920	41

Jewelry and instrument cases.....	2	Musical instruments, organs.....	2	Rubber goods, not elsewhere specified.....	1	Suspenders, garters, and elastic woven goods.....	1
Jute goods.....	2	Musical instruments, pianos.....	1	.....	4	Theatrical scenery.....	1
Labels and tags.....	7	Nets and seines.....	1	Saws.....	2	Tin foil.....	1
Lapidary work.....	1	Oil, cottonseed, and cake.....	1	Scales and balances.....	1	Tobacco, chewing and smoking.....	7
Lasts.....	1	Oil, not elsewhere specified.....	1	Screws, machine.....	1	Toys and games.....	1
Lead, bar, pipe, and sheet.....	1	Oleomargarine.....	3	Sewing machines.....	2	Type founding.....	2
Leather goods, not elsewhere specified.....	1	Optical goods.....	2	Shipbuilding, wooden, including boat building.....	2	Umbrellas and canes.....	2
Leather, tanned, curried, and finished.....	4	Paper goods, not elsewhere specified.....	4	Signs and advertising novelties.....	2	Upholstering materials, not elsewhere specified.....	1
Liquors, vinous.....	9	Peanuts, grading, roasting, cleaning, and shelling.....	1	Smelting and refining, zinc.....	6	Wall plaster.....	1
Lithographing.....	10	Photographic apparatus.....	3	Smelting and refining, not from the ore.....	1	Washing machines and clothes wringers.....	3
Lubricating greases.....	1	Photographic materials.....	4	Soda-water apparatus.....	2	Whips.....	1
Malt.....	1	Printing and publishing, music.....	5	Sporting and athletic goods.....	4	Window shades and fixtures.....	2
Minerals and earths, ground.....	2	Printing materials.....	2	Springs, steel, carriage, and wagon.....	3	Wool pulling.....	1
Mirrors, framed and unframed.....	4	Pumps, not including power pumps.....	3	Steam fittings.....	5	Wool scouring.....	1
Mucilage and paste.....	4	Regalia and society badges and emblems.....	2	Steam packing.....	2	.....	.....
Musical instruments and materials, not specified.....	2	Roofing materials, other than metal.....	2	Stencils and brands.....	3	.....	.....

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

\$70,793	\$144,654	\$607,045	\$18,000	\$5,570	\$53,696	\$2,315,651	\$40,139	\$3,888,376	\$1,532,586	1,989	1,613	.....	346	341	42
50,320	81,930	205,527	7,611	9,323	7,765	485,208	16,839	1,269,702	767,655	1,068	819	.....	249	60	43
140,483	206,749	1,329,260	3,071	9,806	37,487	3,667,335	127,731	6,214,645	2,419,579	3,530	2,800	.....	728	1,473	44
175,289	338,440	603,229	424,453	23,921	38,661	4,697,211	46,283	8,086,920	3,343,426	1,826	932	86	808	230	45
133,417	125,539	617,985	16,354	24,279	55,639	3,938,759	181,476	5,960,150	1,820,915	3,774	1,117	300	2,357	113	46
65,196	112,705	856,620	3,500	5,796	16,986	1,789,737	47,833	3,136,734	1,290,164	1,366	1,105	29	232	785	47
99,817	183,977	1,018,305	1,500	2,872	22,646	3,000,994	72,210	4,993,624	1,920,420	1,869	1,835	4	21	2,494	45
67,869	97,287	488,164	1,283	18,285	17,779	1,885,857	65,043	2,921,686	970,786	1,778	1,433	36	309	191	49
205,099	204,622	1,242,970	5,804	33,384	42,230	3,583,397	182,488	6,192,954	2,427,069	4,646	3,534	71	1,041	817	50
16,110	22,527	90,302	.....	4,185	6,140	471,057	16,838	706,227	218,332	610	202	65	352	30	51

<sup>1</sup>Same number reported throughout the year.

<sup>2</sup>Statistics for Independence can not be shown without disclosing individual operations.

# MONTANA.

By G. W. ROBBINS.

## GENERAL STATISTICS.

**General character of the state.**—Montana was admitted to the Union as a state in 1889. It ranks third in size among the states, having a gross area of 146,997 square miles, of which 146,201 represent land surface. In 1914 there were in Montana 34,746 square miles in unappropriated and unreserved public lands of the United States, 29,652 square miles in national forests, 6,738 square miles in Indian reservations, and 180 square miles in the Yellowstone National Park. The inhabitants of the state in 1900 numbered 243,329, and in 1910, 376,053, and its estimated population in 1914 was 432,614. In total population, Montana ranked fortieth among the states in 1910, and in density of population it ranked forty-sixth, with 2.6 inhabitants per square mile; the corresponding figure for 1900 was 1.7.

The urban population in 1910—that is, the population residing in cities and other incorporated places having 2,500 inhabitants or more—was 133,420, or 35.5 per cent of the total, as against 34.7 per cent in 1900. There were in the state in 1914 six cities, each with an estimated population of more than 10,000: Butte, Missoula, Great Falls, Helena, Billings, and Anaconda. These cities, whose aggregate population in that year formed 25.2 per cent of the estimated total population of Montana, reported 20.2 per cent of the value of the state's manufactured products.

Eastern Montana, a high plateau devoted mainly to stock raising, is sparsely settled, and has no important cities and very limited railway facilities. The western part of the state is mountainous, devoted largely to mining and manufacturing, with several

cities of commercial importance, and has better transportation facilities than the eastern section. The steam-railway mileage in 1914, as reported by the Interstate Commerce Commission, was 4,847. Montana has no navigable rivers of any size but has several mountain streams which are important because of the development of their water power and their use in irrigation.

The mineral products of Montana in 1914, according to the annual report of the United States Geological Survey, were valued at \$54,244,889, the leading products being copper, silver, and zinc. The state ranked second in output of copper and of zinc, third in that of silver, and ninth in total value of mineral products.

**Importance and growth of manufactures.**—Montana's manufactured products in 1914 were valued at \$84,446,136, and the average number of wage earners employed in its manufacturing industries was 13,704. In that year the state ranked thirty-sixth in the former respect and forty-first in the latter; the corresponding rankings in 1909 were the same as in 1914. The output of manufactured products in Montana in 1914, compared with the total value of manufactured products for the United States, was small, representing but three-tenths of 1 per cent; the corresponding proportions for both 1909 and 1904 were four-tenths of 1 per cent.

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

	MANUFACTURING INDUSTRIES.				PER CENT OF INCREASE. <sup>1</sup>		
	1914	1909	1904	1899	1909-1914	1904-1909	1899-1904
Number of establishments.....	939	677	332	395	38.7	77.2	-3.3
Persons engaged.....	16,363	13,694	10,196	(2)	19.5	34.3	.....
Proprietors and firm members.....	832	659	334	(2)	28.3	97.3	.....
Salaries.....	1,827	1,380	905	508	32.4	52.5	73.1
Wage earners (average number).....	13,704	11,655	8,957	9,854	17.6	30.1	-9.1
Primary horsepower.....	91,671	90,402	46,730	43,679	1.4	93.4	7.9
Capital.....	\$79,246,396	\$44,588,368	\$52,539,310	\$33,224,915	77.7	-15.2	37.6
Salaries and wages.....	15,779,858	12,955,474	10,158,425	8,162,559	21.8	27.5	21.5
Salaries.....	2,778,653	2,054,022	1,506,208	785,737	35.3	38.4	91.7
Wages.....	13,001,205	10,901,452	8,652,217	7,376,822	19.3	26.0	17.3
Paid for contract work.....	789,361	322,110	224,330	(2)	145.1	.....	.....
Rent and taxes (including internal revenue).....	1,597,778	2,307,144	1,677,872	(2)	-30.7	.....	.....
Cost of materials.....	46,743,986	49,180,239	40,930,060	30,068,101	-5.0	20.2	36.1
Value of products.....	84,446,136	73,271,793	66,415,452	52,744,997	15.3	10.3	25.9
Value added by manufacture (value of products less cost of materials).....	37,702,150	24,091,554	25,485,392	22,676,896	56.5	-5.5	12.4

<sup>1</sup> A minus sign (-) denotes decrease; percentages are omitted where comparable figures can not be given. <sup>2</sup> Figures not available. <sup>3</sup> Exclusive of internal revenue.

The manufactures of the state showed considerable growth during the 15 years covered by Table 1. Of the three five-year periods covered, the greatest general development occurred from 1904 to 1909. The large

gain in capital invested from 1909 to 1914 (77.7 per cent) was due almost entirely to the amounts reported for copper smelting. The large increase in contract work, 145.1 per cent, was caused by several large

establishments manufacturing lumber which did their own logging in 1909 having this work done by contract in 1914.

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

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE. <sup>1</sup>								
	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.....	939	13,704	100.0	\$84,446,136	100.0	\$37,702,150	100.0	17.6	30.1	-9.1	15.3	10.3	25.9	56.5	-5.5	12.4
Lumber and timber products.....	164	2,965	21.6	6,720,881	8.0	4,364,917	11.6	-4.5	40.0	-5.9	6.1	102.9	2.5	-2.3	67.6	31.4
Cars and general shop construction and repairs by steam-railroad companies.....	16	3,611	26.3	5,833,618	6.9	3,291,662	8.7	88.8	84.1	67.3	107.5	78.8	108.5	9.1	91.2	99.1
Flour-mill and gristmill products.....	33	256	1.9	4,890,275	5.8	985,343	2.6	143.8			124.8	8.6	113.8	105.0	17.3	152.1
Printing and publishing.....	238	900	6.6	2,794,587	3.3	2,094,951	5.6	30.2	43.7	-0.8	32.4	42.0	51.6	22.7	44.7	49.9
Liquors, malt.....	19	278	2.0	2,568,979	3.0	1,791,201	4.8	13.0	-1.6		5.2	40.9	35.7	-2.6	47.6	38.3
Slaughtering and meat packing.....	11	98	0.7	2,154,199	2.5	409,295	1.1	-6.7			3.9			49.8		
Bread and other bakery products.....	105	274	2.0	1,311,259	1.6	600,680	1.6	28.0	32.9		19.6	48.1	77.9	25.5	23.5	80.8
Foundry and machine-shop products.....	32	402	2.9	1,269,500	1.5	761,493	2.0	27.2	-10.2	-36.0	28.8	13.1	-27.2	26.0	18.9	-33.8
Butter.....	32	71	0.5	1,217,683	1.4	206,661	0.5				190.7			218.5		
Brick, building and fire brick.....	17	191	1.4	474,313	0.6	324,480	0.9	1.1		-21.8	27.8	107.3	33.6	12.5	104.3	35.6
Confectionery.....	19	108	0.8	392,507	0.5	175,361	0.5									
Copper, tin, and sheet-iron work.....	20	78	0.6	334,805	0.4	173,427	0.5				144.5	191.5		141.7	166.7	
Tobacco, cigars.....	70	82	0.6	306,092	0.4	187,979	0.5				-4.4	18.1	55.7	( <sup>2</sup> )	13.3	59.6
All other industries.....	163	4,390	32.0	54,199,438	64.2	22,331,700	59.2									

<sup>1</sup> Percentages are based on figures in Table 28; a minus sign (-) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures can not be given.

<sup>2</sup> Same number reported in both years.

Separate statistics are presented for 13 industries, or industry groups, for each of which products valued at more than \$300,000, were reported for 1914. These industries include 2 with products exceeding \$5,000,000; 1 with products between \$4,000,000 and \$5,000,000; 3 with products between \$2,000,000 and \$4,000,000; 3 with products between \$1,000,000 and \$2,000,000; and 4 with products less than \$1,000,000. Among those included under the head of "all other industries," are copper smelting, lead smelting, beet sugar, and cement, having products exceeding in value some for which figures are shown in the table, but the statistics can not be shown separately without the possibility of disclosing the operations of individual establishments.

The industries in this table are arranged in the order of their importance 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. The manufacture of lumber, the operations of steam-railroad repair shops, and of flour mills and gristmills, the three leading industries in regard to value of products, show variations in rank of wage earners and value added by manufacture. The manufacture of lumber ranked first in value of products and value added by manufacture, but second in average number of wage earners. The operations of steam-railroad repair shops, second in value of products and in value added by manufacture, was first in number of wage earners. Flour mills and gristmills, third in value of products and fifth in value added by manufacture, was seventh in number of wage earners. In this industry the

work is done largely by machinery and comparatively few employees are required. The proportional value added to the raw material by manufacture is very small in comparison with the corresponding proportion for most of the other industries. Printing and publishing, fourth in value of products, was third in value added by manufacture and number of wage earners. Malt liquors, fifth in value of products and in number of wage earners, was fourth in value added by manufacture.

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 this table, the manufacture of lumber, the repair shops of steam-railroad companies, and slaughtering and meat packing held the same rank in both censuses—first, second, and sixth, respectively. Flour mills and gristmills, printing and publishing, and the manufacture of malt liquors, ranking third, fourth, and fifth in 1914, were fourth, fifth, and third, respectively, in 1909. Butter and confectionery, which were not shown for 1909, rank ninth and eleventh, respectively, in 1914. For the remaining industries, slight changes from census to census are noticeable.

*Lumber and timber products.*—This industry embraces the operations of logging camps, sawmills, and planing mills. A slight decrease is noticeable in the average number of wage earners during the period 1909-1914, amounting to 141, or 4.5 per cent, with an increase in value of products from \$6,333,778 in 1909 to \$6,720,881 in 1914, or 6.1 per cent. This decrease in number of wage earners but increase in value of product is explained by the fact that in 1909 but \$289,666 was

expended for contract work, as compared with \$618,982 in 1914. The percentage of increase during the 10-year period from 1904 to 1914 for value of products was 115.3 per cent.

*Cars and general shop construction and repairs by steam-railroad companies.*—The statistics for this industry represent the work done in car shops operated by steam-railroad companies and consists principally of repairs to rolling stock and equipment. The increase in the number of wage earners was very pronounced during the five-year period 1909–1914, amounting to 1,698, or 88.8 per cent, the number of wage earners in 1914 forming 26.3 per cent of the total number for the state, as compared with 16.4 per cent in 1909. The value of products also increased from \$2,810,521 in 1909 to \$5,833,618 in 1914, or 107.5 per cent.

*Flour-mill and gristmill products.*—This industry does not include the small custom mills grinding exclusively for toll or local consumption. There is a marked increase in the number of establishments, value of products, average number of wage earners, and value added by manufacture during the five-year period 1909–1914. The value of products increased \$2,715,039, or 124.8 per cent; wage earners 151, or 143.8 per cent.

*Printing and publishing.*—This classification includes establishments engaged in printing and publishing newspapers and periodicals and in job printing. Over one-fourth of the total number of establishments reported for the state were engaged in this industry in 1914, and they employed 6.6 per cent of the total number of wage earners. There was an increase of 103 establishments and of \$683,358, or 32.4 per cent, in the value of products from 1909 to 1914. The increase in value of products, however, was less than for the period 1904–1909.

*Liquors, malt.*—Nineteen establishments were engaged in this industry in 1914, as compared with 21 in 1909. During the period the value of products increased \$127,147, or 5.2 per cent. Wage earners also increased 13 per cent. The percentage of increase in value of products for the five-year period 1909–1914 is less than is shown for the five-year period 1904–1909.

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."

**Table 3.**

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.				
		Total.	Male.	Female.	Per cent of total.	
					Male.	Female.
All classes.....	1914 1909	16,363 13,694	15,820 13,337	543 357	96.7 97.8	3.3 2.2
Proprietors and officials.....	1914 1909	1,352 1,143	1,313 1,126	39 17	97.1 98.5	2.9 1.5
Proprietors and firm members.....	1914 1909	832 659	799 645	33 14	96.0 97.9	4.0 2.1
Salaried officers of corporations.....	1914 1909	129 89	124 88	5 1	96.1 98.9	3.9 1.1
Superintendents and managers.....	1914 1909	391 395	390 393	1 2	99.7 99.5	0.3 0.5
Clerks and other subordinate salaried employees.....	1914 1909	1,307 896	1,133 796	174 100	86.7 88.8	13.3 11.2
Wage earners (average number).....	1914 1909	13,704 11,655	13,374 11,465	330 190	97.6 98.4	2.4 1.6
16 years of age and over.....	1914 1909	13,641 11,625	13,323 11,436	318 189	97.7 98.4	2.3 1.6
Under 16 years of age.....	1914 1909	63 30	51 29	12 1	81.0 96.7	19.0 3.3

During the five years ending with 1914 there was an increase in the number of all classes of persons engaged in the manufactures of the state, except superintendents and managers. Males largely predominate in all classes; the number of females reported for 1914 (543) was so small that it has but slight effect on the conditions of employment. Figures for the sex and age distribution of wage earners for individual industries will be found in Table 28.

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, <sup>1</sup> 1909–1914.			Per cent distribution.					
	Total.	Male.	Female.	Total.		Male.		Female.	
				1914	1909	1914	1909	1914	1909
All classes.....	19.5	18.2	76.9	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials.....	18.3	16.6	.....	8.3	8.3	8.3	8.4	7.2	5.5
Proprietors and firm members.....	26.3	23.9	.....	5.1	4.8	5.1	4.8	6.1	4.6
Salaried officers of corporations.....	.....	.....	.....	0.8	0.6	0.8	0.7	0.9	0.3
Superintendents and managers.....	-1.0	-0.8	.....	2.4	2.9	2.5	2.9	0.2	0.7
Clerks and other subordinate salaried employees.....	45.9	42.3	74.0	8.0	6.5	7.2	5.9	32.0	32.6
Wage earners (average number).....	17.6	16.7	73.7	83.7	85.1	84.5	85.6	60.8	61.9
16 years of age and over.....	17.3	16.5	68.3	83.4	84.9	81.2	85.4	58.6	61.6
Under 16 years of age.....	.....	.....	.....	0.4	0.2	0.3	0.2	2.2	0.3

<sup>1</sup> A minus sign (–) denotes decrease; percentages are omitted where base is less than 100.

The largest percentage of increase for both sexes combined, 45.9 per cent, is shown for clerks and other subordinate salaried employees. Wage earners 16 years of age and over formed the largest class—83.4 per cent of the total number of persons engaged in manufacturing in the state in 1914 and 84.9 per cent in 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 is given in Table 5 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.

INDUSTRY.	Census year.	WAGE EARNERS.			
		Average number. <sup>1</sup>	Per cent of total.		Under 16 years of age.
			16 years of age and over.	Male.		Female.
All industries .....	1914 1909 1904	13,704 11,655 8,957	97.2 98.1 97.7	2.3 1.6 1.6	0.5 0.3 0.7
Bread and other bakery products .....	1914 1909	274 214	67.9 72.0	24.1 28.0	8.0
Brick, building and fire brick .....	1914 1909	191 189	99.0 99.5	..... 0.5	1.0
Cars and general shop construction and repairs by steam-railroad companies.	1914 1909	3,611 1,913	99.9 99.8	.....	0.1 0.2
Flour-mill and gristmill products .....	1914 1909	256 105	98.0 99.0	1.2 1.0	0.8
Foundry and machine-shop products .....	1914 1909	402 316	100.0 100.0	.....	.....
Liquors, malt .....	1914 1909	273 246	100.0 100.0	.....	.....
Lumber and timber products .....	1914 1909	2,965 3,106	99.8 99.8	0.1 0.2	0.1 0.2
Printing and publishing .....	1914 1909	900 691	85.7 83.9	12.1 9.6	2.2 1.5
All other industries .....	1914 1909	4,827 4,875	96.9 98.7	2.8 1.1	0.3 0.2

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

For all industries combined, the actual number of male and female wage earners 16 years of age and over has increased from census to census. The proportion of male wage earners 16 years of age and over was greater in 1909 than in 1904 or 1914, whereas the proportion of females 16 years of age and over was the same in both 1904 and 1909, but increased slightly in 1914. The proportion as well as actual number of children under 16 employed as wage earners increased during the period 1909 to 1914.

Table 6 shows the average number and the per cent distribution of wage earners employed in each of the six 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.

SEX AND AGE.	Census year.	AVERAGE NUMBER OF WAGE EARNERS IN—					
		Anaconda.	Billings.	Butte.	Great Falls.	Helena.	Misoula.
Total .....	1914 1909 1904	251 97	329 226	659 1,622 478	1,202 (*) (*)	495 420 349	447 428
16 years of age and over:							
Male .....	1914 1909 1904	239 88	305 212	550 1,558 422	1,187 (*) (*)	400 360 281	432 428
Female .....	1914 1909 1904	8 8	20 10	101 159 50	15 (*) (*)	72 60 59	8
Under 16 years of age .....	1914 1909 1904	4 1	4 4	8 5 6	(*) (*)	23 9	7
Per cent of total:							
16 years of age and over—							
Male .....	1914 1909 1904	95.2 90.7	92.7 93.8	83.5 89.7 88.3	98.8 (*) (*)	80.8 85.7 80.5	96.6 100.0
Female .....	1914 1909 1904	3.2 8.2	6.1 4.4	15.3 10.5	1.2 (*) (*)	14.5 14.3 16.9	1.8
Under 16 years of age .....	1914 1909 1904	1.6 1.0	1.2 1.8	1.2 0.8 1.2	(*) (*)	4.6 2.6	1.6

<sup>1</sup> Figures do not agree with those published because certain establishments revised their reports for that census.

<sup>2</sup> Figures can not be shown without disclosing individual operations.

Butte and Helena are the only cities for which comparable figures are available for each of the three census periods. For all other cities, except Great Falls, comparable figures are available for 1914 and 1909. Butte and Helena show an increase in wage earners for the five-year period 1909–1914 of 5.9 and 17.9 per cent, respectively, as compared with an increase of 30.1 and 20.3 per cent, respectively, for the five-year period 1904–1909.

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.

MONTH.	WAGE EARNERS IN MANUFACTURING INDUSTRIES.					
	Number. <sup>1</sup>			Per cent of maximum.		
	1914	1909	1904	1914	1909	1904
January .....	14,260	10,873	8,926	91.0	82.8	94.2
February .....	13,154	10,772	8,788	83.9	82.1	92.7
March .....	13,187	10,900	8,503	84.1	83.0	89.7
April .....	14,395	10,874	8,731	91.8	82.8	92.1
May .....	15,172	11,292	8,964	96.8	86.0	94.6
June .....	15,280	11,195	8,904	97.5	85.3	94.0
July .....	15,677	11,550	8,819	100.0	88.0	93.1
August .....	13,232	11,841	9,141	84.4	90.2	96.5
September .....	12,386	12,435	9,451	79.0	94.7	99.7
October .....	12,920	13,127	9,475	82.4	100.0	100.0
November .....	12,368	12,996	9,659	78.9	99.0	95.9
December .....	12,417	12,003	8,693	79.2	91.4	91.7

<sup>1</sup> 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 late spring and early summer months show the greatest activity in the combined industries for the state, the maximum number of wage earners

appearing for July and the minimum for November. For 1909 and 1904 the fall and early winter months show the greatest activity, the largest number being reported for October in both census years. The smallest number of wage earners employed was in February in 1909 and in March in 1904. The greatest actual difference between the maximum and the minimum months in any of the three census years was 3,309, or 21.1 per cent, 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 of each of the six cities having more than 10,000 inhabitants.

All industries combined for the state reflect considerable stability in the employment of wage earners. July, the month of greatest employment, shows 15,677 wage earners, while November, the month of least employment, shows 12,368 wage earners, the minimum forming 78.9 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 AND CITY.	Average number employed during year.	Number employed on the 15th day of the month or nearest representative day.												Per cent minimum is of maximum.
		Janu-ary.	Febru-ary.	March.	April.	May.	June.	July.	August.	Sep-tember.	Octo-ber.	Novem-ber.	Decem-ber.	
All industries.....	13,704	14,260	13,154	13,187	14,395	15,172	15,280	15,677	13,232	12,388	12,920	<i>12,368</i>	12,417	78.9
Bread and other bakery products.....	274	267	<i>212</i>	247	267	272	287	295	294	287	278	278	274	82.0
Brick, building and fire brick.....	191	116	<i>103</i>	104	184	252	296	332	305	207	145	129	119	31.0
Cars and general shop construction and repairs by steam-railroad companies.....	3,611	3,334	<i>3,292</i>	3,494	3,526	3,532	3,534	3,860	3,887	3,822	3,733	3,844	3,474	84.7
Flour-mill and gristmill products.....	256	260	243	240	257	241	240	245	252	273	282	282	277	84.0
Foundry and machine-shop products.....	402	414	437	425	437	432	471	472	392	361	<i>322</i>	326	335	68.2
Liquors, malt.....	278	262	262	262	280	283	292	300	296	291	278	269	<i>261</i>	87.0
Lumber and timber products.....	2,965	2,703	<i>2,683</i>	2,422	3,138	3,637	3,803	3,621	3,157	2,595	2,730	2,694	<i>2,397</i>	63.0
Printing and publishing.....	900	860	<i>855</i>	881	893	909	876	926	939	928	948	901	834	90.2
All other industries.....	4,827	6,044	5,037	5,112	5,433	5,614	5,481	5,626	3,710	3,622	4,204	3,645	4,396	59.9
Total for cities.....	3,383	3,739	3,312	3,350	3,690	3,805	3,767	3,869	3,167	3,091	3,041	2,944	2,821	72.9
ANACONDA.....	251	254	260	248	262	271	290	274	227	217	234	233	242	74.8
BILLINGS.....	329	306	<i>296</i>	300	310	325	325	347	343	358	352	353	335	83.1
BUTTE.....	659	634	<i>618</i>	636	661	692	715	690	672	658	664	638	636	85.6
GREAT FALLS.....	1,202	1,721	1,316	1,289	1,575	1,621	1,544	1,540	887	790	757	689	695	40.0
HELENA.....	495	426	428	458	468	471	477	527	552	569	552	534	478	74.9
MISSOULA.....	447	398	400	419	414	425	416	491	486	501	483	497	435	79.4

Of the selected industries, the manufacture of brick (a seasonal industry) shows the greatest degree of fluctuation in the number of wage earners employed, the number reported for February being but 31 per cent of the number in July. The greatest stability of employment is shown for printing and publishing, for which the minimum number formed 90.2 per cent of the maximum. Of the six cities, the least variation in employment appears for Butte, for which the percentage that the minimum formed of the maximum being 85.6. Great Falls shows the greatest variation in the number employed, the largest number, 1,721, being employed in January and the smallest, 689, in November, the minimum forming only 40 per cent of the maximum. For no other city was the corresponding percentage less than 74.8.

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 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.

The figures in this table, for all industries combined, show a tendency to shorten the hours of labor per week.

In 1914, 6,023, or 44 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 54 per week, whereas 6,609, or 56.7 per cent, were so employed in 1909. On the other hand, the number of wage earners whose working hours were 54 or less per week increased from 5,046, or 43.3 per cent of the total for the state in 1909, to 7,681, or 56 per cent of the total in 1914.

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 1909	13,704 11,655	2,552 1,607	2,598 154	2,531 3,285	3,220 4,195	2,429 1,966	369 422	2 12	3 14
Bread and other bakery products.....	1914 1909	274 214	84 44	4	132 39	7 11	29 98	17 5		1 9
Brick, building and fire brick.....	1914 1909	191 189	131 131	3	10 33	18 4	29 21			
Cars and general shop construction and repairs by steam-railroad companies.....	1914 1909	3,611 1,913	445	385 148	1,001 1,333	1,656 105	74	124 253		
Flour-mill and gristmill products.....	1914 1909	256 105	96 59		95 36		63 10		2	
Foundry and machine-shop products.....	1914 1909	402 316	342 275	4	50 37	4	5	1		
Liquors, malt.....	1914 1909	278 246	204 199	2	5 3	60 41	7 2	1		
Lumber and timber products.....	1914 1909	2,965 3,106	69 38		972 1,551	36 9	1,822 1,367	66 141		
Printing and publishing.....	1914 1909	900 691	711 339	28 5	98 177	59 164	4 6			
All other industries.....	1914 1909	4,827 4,875	470 522	2,172 1	168 76	1,384 3,857	470 388	161 22		2 5
Total for cities.....	1914	3,383	1,543	57	373	1,311	73	24		2
ANACONDA.....	1914	251	175		71	3	2			
BILLINGS.....	1914	329	182	6	54	103	32			2
BUTTE.....	1914	659	432	26	72	138	12	3		
GREAT FALLS.....	1914	1,202	560	4	63	575	10			
HELENA.....	1914	495	183	21	104	155	12	20		
MISSOULA.....	1914	447	85		19	337	5	1		

Of the 3,383 (average number) wage earners employed in the six cities in 1914, 3,284, or 97.1 per cent, were in establishments where the prevailing hours were less than 60 per week, while only 26, or eight-tenths of 1 per cent, 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 the manufactures in Montana were centralized in the cities having more than 10,000 inhabitants.

In accepting the statistics in this table it must be remembered that some of the cities—Anaconda,

Billings, and Missoula—that had a population of 10,000 and over at the census of 1914, were included in the districts outside of the cities at prior censuses.

This table shows that for 1914, the cities, which represented 25.2 per cent of the estimated population of the state, reported 33 per cent of the total number of establishments, 24.7 per cent of the total average number of wage earners, 21.2 per cent of the total value added by manufacture, and 20.2 per cent of the total value of products.

	Census year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.				DISTRICTS OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER. <sup>1</sup>			
			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 1910 1900		6 5 2		5 4 1		1 1 1			
Population <sup>2</sup> .....	1914 1910 1900	432,614 376,053 243,329	108,923 84,714 41,240	25.2 22.5 16.9	67,142 45,549 10,770	15.5 12.1 4.4	41,781 39,165 30,470	9.7 10.4 12.5	323,691 291,339 202,089	74.8 77.5 83.1
Number of establishments.....	1914 1909 1899	930 677 395	310 186 83	33.0 27.5 21.0	203 120 27	21.6 17.7 6.8	107 66 50	11.4 9.7 14.2	629 491 312	67.0 72.5 79.0
Average number of wage earners.....	1914 1909 1899	13,704 11,655 9,854	3,383 1,793 675	24.7 15.4 6.9	2,724 1,171 264	19.9 10.0 2.7	650 622 411	4.8 5.3 4.2	10,321 9,862 9,179	75.3 84.6 93.1
Value of products.....	1914 1909 1899	\$84,446,136 73,271,793 52,744,997	\$17,038,914 6,772,158 2,292,687	20.2 9.2 4.3	\$14,138,419 4,308,378 770,300	16.7 5.9 1.5	\$2,900,495 2,463,780 1,516,387	3.4 3.4 2.9	\$67,407,222 66,499,635 50,452,310	79.8 90.8 95.7
Value added by manufacture.....	1914 1909 1899	37,702,150 24,091,551 22,676,806	8,008,879 4,035,122 1,178,987	21.2 16.7 5.2	6,422,705 2,491,313 439,981	17.0 10.3 1.9	1,586,174 1,513,809 739,006	4.2 6.4 3.3	29,693,271 20,056,432 21,497,909	78.8 83.3 94.8

<sup>1</sup> Includes statistics for Great Falls for 1909 and 1900, to avoid disclosure of individual operations.

<sup>2</sup> Census estimate of population for 1914.

The relative importance in manufactures of each of the six 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 11. 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 1904 had less than 10,000 inhabitants in that year.

CITY.	AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
	1914	1909	1904	1914	1909	1904
Great Falls.....	1,202	(1)	(1)	\$9,156,438	(1)	(1)
Butte.....	659	2,622	478	2,900,495	\$2,469,780	\$1,759,710
Billings.....	329	226	.....	1,633,741	1,243,185	.....
Helena.....	495	420	349	1,431,932	1,302,725	1,163,456
Missoula.....	447	423	.....	1,112,792	1,171,436	.....
Anaconda.....	251	97	.....	753,516	591,032	.....

<sup>1</sup> Figures can not be shown without disclosing individual operations.  
<sup>2</sup> Figures do not agree with those published in 1909 because certain establishments revised their reports for that census.

Great Falls ranked first among the cities as to value of products in 1914, copper smelting being the principal industry of the city. The manufacture of malt liquors, flour-mill and gristmill products, and the operations of steam-railroad repair shops are also im-

portant industries. The principal industries of Butte are printing and publishing, and the manufacture of butter, malt liquors, and confectionery and ice cream. In Billings the principal industries are flour mills and gristmills and the manufacture of lumber and malt liquors. The principal industries in Helena are printing and publishing, bread and bakery products, and the operations of steam-railroad repair shops. In Missoula and Anaconda the operations of steam-railroad repair shops, printing and publishing, and the manufacture of malt liquors are the leading industries. Helena and Missoula, which ranked fourth and fifth, respectively, among the cities of the state in value of products, if ranked according to the number of wage earners, would rank third and fourth, respectively.

Character of ownership.—Table 12 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 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.

INDUSTRY AND CITY.	Cen- sus year.	AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.							
		NUMBER OF ESTABLISHMENTS OWNED BY—			Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Indi-vid-uals.	Cor-pora-tions.	All oth-ers.		Indi-vid-uals.	Cor-pora-tions.	All oth-ers.	Indi-vid-uals.	Cor-pora-tions.	All oth-ers.		Indi-vid-uals.	Cor-pora-tions.	All oth-ers.	Indi-vid-uals.	Cor-pora-tions.	All oth-ers.
All industries.....	1914	531	266	142	13,704	1,105	12,179	420	8.1	88.9	3.1	\$94,446,136	\$3,637,211	\$79,314,173	\$1,494,752	4.3	93.9	1.8
	1909	352	203	122	11,655	1,108	10,041	506	9.5	86.2	4.3	73,271,793	3,265,067	68,453,197	1,548,529	4.5	93.4	2.1
	1904	204	118	60	8,957	710	7,877	370	7.9	87.9	4.1	66,415,452	1,892,491	63,369,703	1,153,258	2.8	95.4	1.8
Bread and other bakery products.	1914	85	6	14	274	150	97	27	54.7	35.4	9.0	1,311,259	792,594	336,813	181,847	60.4	25.7	13.0
	1909	54	4	13	214	99	98	17	46.3	45.8	7.9	1,095,838	538,955	428,672	123,181	49.2	39.1	11.7
Cars and general shop construction and repairs by steam-railroad companies.	1914	.....	16	.....	3,611	.....	3,611	.....	100.0	.....	.....	5,833,618	.....	5,833,618	.....	100.0	.....	.....
	1909	.....	12	.....	1,913	.....	1,913	.....	100.0	.....	.....	2,810,521	.....	2,810,521	.....	100.0	.....	.....
Foundry and machine-shop products.	1914	9	15	8	402	23	364	15	5.7	90.5	3.7	1,269,500	89,410	1,135,906	44,184	7.0	89.5	3.5
	1909	4	8	2	316	144	272	.....	13.9	86.1	.....	986,036	141,678	844,358	.....	14.4	85.6	.....
Liquors, malt.....	1914	5	14	.....	278	30	248	.....	10.8	89.2	.....	2,566,979	165,613	2,401,366	.....	6.5	93.5	.....
	1909	4	16	1	246	119	227	.....	7.7	92.3	.....	2,439,832	116,076	2,323,756	.....	4.8	95.2	.....
Lumber and timber products.	1914	90	38	36	2,965	394	2,346	225	13.3	79.1	7.6	6,720,881	520,701	5,837,222	362,958	7.7	86.9	5.4
	1909	85	35	35	3,106	449	2,333	324	14.5	75.1	10.4	6,333,778	793,138	4,914,015	626,625	12.5	77.6	9.0
Printing and publishing..	1914	146	54	38	900	193	662	45	21.4	73.6	5.0	2,794,587	603,756	2,035,056	155,775	21.6	72.8	5.5
	1909	78	41	16	691	191	468	32	27.6	67.7	4.6	2,111,229	537,693	1,469,449	104,087	25.5	69.6	4.9
Total for cities.....	1914	146	122	42	3,383	262	3,008	113	7.7	88.9	3.3	17,038,914	1,189,666	15,263,644	585,604	7.0	89.6	3.4
ANACONDA.....	1914	12	6	1	251	27	223	1	10.8	88.8	0.4	753,516	112,457	638,809	2,250	14.9	84.8	0.3
BILLINGS.....	1914	17	18	7	329	31	293	5	9.4	89.1	1.5	1,633,741	150,858	1,430,943	51,935	9.2	87.6	3.2
BUTTE.....	1914	53	40	14	659	74	545	40	11.2	82.7	6.1	2,900,495	305,451	2,388,371	206,673	10.5	82.3	7.1
GREAT FALLS.....	1914	21	27	7	1,202	51	1,108	43	4.2	92.2	3.6	9,156,438	259,470	8,798,917	98,051	2.8	96.1	1.1
HELENA.....	1914	23	20	10	495	51	424	20	10.3	85.7	4.0	1,431,932	206,334	1,070,394	205,204	13.9	92.2	13.8
MISSOULA.....	1914	20	11	3	447	28	415	4	6.3	92.8	0.9	1,112,792	155,096	939,205	21,491	13.9	84.1	1.9

<sup>1</sup> Includes the group "all others."

This table shows, for all industries combined, an increase during the decade in number of establishments throughout the state under each form of ownership. The greatest proportion of the establishments—nearly three-fifths 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. In 1914, although only 28.3 per cent of the total number of establishments in the state were under corporate ownership, this class reported 93.9 per cent of the total value of products and 88.9 per cent of the total average number of wage earners. For both 1914 and 1909, with the single exception of bread and other

bakery products, the largest proportion of the total value of products for each of the six industries for which separate statistics are given is shown for establishments under corporate ownership. This condition also prevailed for all industries combined in each of the six cities. Here, however, a greater proportion

of the establishments—nearly two-fifths for all the cities combined—were under corporate ownership.

Size of establishments.—The tendency for manufacturing to become concentrated in large establishments, or the reverse, is indicated by the statistics given in Table 13.

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.....	939	677	352	13,704	11,655	8,957	\$34,446,136	\$73,271,793	\$66,415,452	\$37,702,150	\$24,091,554	$25,485,392
Less than \$5,000.....	421	261	124	348	227	106	1,021,532	649,143	325,145	729,553	457,008	228,101
\$5,000 to \$20,000.....	309	236	152	955	754	556	2,921,890	2,437,212	1,571,629	1,795,281	1,535,283	1,036,951
\$20,000 to \$100,000.....	135	118	66	1,742	1,708	1,354	5,905,385	5,092,318	3,246,226	3,041,045	3,108,691	2,066,633
\$100,000 to \$1,000,000.....	65	56	34	4,739	4,836	3,096	18,193,026	15,221,904	8,726,954	8,899,240	8,024,645	5,089,845
\$1,000,000 and over.....	9	6	6	5,920	4,130	3,845	56,404,303	49,871,216	52,545,498	23,237,031	10,965,927	17,063,862
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.....	44.8	38.6	32.5	2.5	1.9	1.2	1.2	0.9	0.5	1.9	1.9	0.9
\$5,000 to \$20,000.....	32.9	34.9	39.8	7.0	6.5	6.2	3.5	3.3	2.4	4.8	6.4	4.1
\$20,000 to \$100,000.....	14.4	17.4	17.3	12.7	14.7	15.1	7.0	6.9	4.9	8.1	12.9	8.1
\$100,000 to \$1,000,000.....	6.9	8.3	8.9	34.6	41.5	34.6	21.5	20.8	13.1	23.6	33.3	20.0
\$1,000,000 and over.....	1.0	0.9	1.6	43.2	35.4	42.9	66.8	68.1	79.1	61.6	45.5	67.0

Of the 939 establishments in the state in 1914, 9 reported products exceeding \$1,000,000 in value, as compared with 6 in 1909 and 1904. These establishments reported an average of 5,920 wage earners, or 43.2 per cent of the total for the state, 66.8 per cent of the value of products, and 61.6 per cent of the value added by manufacture. In the same year the small establishments—those having products of less

than \$5,000 in value—represented 44.8 per cent of the total number of establishments but reported only 1.2 per cent of the value of products.

Table 14 gives, for 1914 and 1909, for six 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 13 for all industries combined.

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			1914	1909			1914	1909				
	<b>BREAD AND OTHER BAKERY PRODUCTS.....</b>	105	71	100.0	100.0	274	214	100.0	100.0	\$1,311,259	\$1,095,838	100.0	100.0	\$600,680	\$478,328	100.0	100.0
Less than \$5,000.....	37	21	35.2	29.6	15	4	5.5	1.9	98,150	48,689	7.5	4.4	46,914	24,017	7.8	5.0
\$5,000 to \$20,000.....	50	40	47.6	56.3	91	80	33.2	37.4	468,210	430,802	35.7	39.3	231,869	197,949	38.6	41.4
\$20,000 to \$100,000.....	18	10	17.1	14.1	168	130	61.3	60.7	744,899	616,287	56.8	56.2	321,897	256,362	53.6	53.6
<b>FLOUR-MILL AND GRISTMILL PRODUCTS.....</b>	33	12	100.0	100.0	259	105	100.0	100.0	4,890,275	2,175,236	100.0	100.0	988,343	481,896	100.0	100.0
Less than \$5,000.....	3	.....	9.1	.....	1	.....	0.4	.....	6,872	.....	0.1	.....	2,020	.....	0.2	.....
\$5,000 to \$20,000.....	10	.....	30.3	.....	8	.....	3.1	.....	115,744	.....	2.4	.....	29,230	.....	3.0	.....
\$20,000 to \$100,000.....	11	7	33.3	58.3	35	17	13.7	16.2	579,179	304,780	11.8	14.0	95,982	58,805	9.7	12.2
\$100,000 and over.....	9	5	27.3	41.7	212	88	82.8	83.8	4,191,480	1,870,456	85.7	86.0	861,111	423,091	87.1	87.8
<b>FOUNDRY AND MACHINE-SHOP PRODUCTS.....</b>	32	14	100.0	100.0	402	316	100.0	100.0	1,269,500	986,036	100.0	100.0	761,493	604,640	100.0	100.0
Less than \$5,000.....	9	.....	28.1	.....	19	.....	2.5	.....	24,904	.....	2.0	.....	10,340	.....	2.5	.....
\$5,000 to \$20,000.....	16	8	50.0	57.1	51	28	12.7	8.9	139,928	67,720	11.0	5.9	108,452	46,378	14.2	7.5
\$20,000 to \$100,000.....	4	3	12.5	21.4	61	68	15.2	21.5	195,469	194,943	15.4	19.8	130,821	137,130	17.2	22.7
\$100,000 to \$1,000,000.....	3	3	9.4	21.4	280	220	69.7	69.6	909,199	733,373	71.6	74.3	502,880	422,137	66.0	69.8
<b>LIQUORS, MALT.....</b>	19	21	100.0	100.0	278	246	100.0	100.0	2,566,979	2,439,832	100.0	100.0	1,791,201	1,837,472	100.0	100.0
\$5,000 to \$20,000.....	5	6	26.3	23.6	20	13	7.2	5.3	71,985	61,936	2.8	2.5	48,053	45,658	2.7	2.5
\$20,000 to \$100,000.....	5	6	26.3	28.6	37	52	13.3	21.1	354,323	410,314	13.8	16.8	228,417	309,925	12.8	18.6
\$100,000 to \$1,000,000.....	9	9	47.4	42.9	221	181	79.5	73.6	2,140,671	1,967,532	83.4	80.6	1,514,731	1,485,889	84.6	80.9
<b>LUMBER AND TIMBER PRODUCTS.....</b>	164	155	100.0	100.0	2,965	3,106	100.0	100.0	6,720,881	6,333,778	100.0	100.0	4,364,917	4,468,893	100.0	100.0
Less than \$5,000.....	86	65	52.4	41.9	128	89	4.3	2.9	181,745	144,414	2.7	2.3	148,096	111,005	3.4	2.5
\$5,000 to \$20,000.....	43	46	26.2	29.7	291	231	9.8	7.4	414,811	470,598	6.2	7.4	316,498	320,737	7.3	7.2
\$20,000 to \$100,000.....	22	32	13.4	20.6	615	682	20.7	22.0	1,010,089	1,248,400	15.0	19.7	649,047	903,078	14.8	20.3
\$100,000 and over.....	13	12	7.9	7.7	1,931	2,104	65.1	67.7	5,114,236	4,470,366	76.1	70.6	3,251,276	3,129,073	74.5	70.0
<b>PRINTING AND PUBLISHING.....</b>	238	135	100.0	100.0	900	691	100.0	100.0	2,794,587	2,111,229	100.0	100.0	2,094,951	1,708,569	100.0	100.0
Less than \$5,000.....	148	71	62.2	52.6	197	68	11.9	9.8	359,030	208,431	12.8	9.6	298,974	164,437	14.2	9.6
\$5,000 to \$20,000.....	65	45	27.3	33.3	205	149	22.8	21.6	684,857	442,484	20.9	21.0	466,630	348,045	22.3	20.4
\$20,000 to \$100,000.....	17	15	7.1	11.1	188	242	20.9	35.0	554,131	740,338	19.8	35.1	418,596	613,436	20.0	35.9
\$100,000 to \$1,000,000.....	8	4	3.4	3.0	400	232	44.4	33.6	1,296,569	724,976	46.4	34.3	910,751	592,651	43.5	34.1

1 Includes the group "\$100,000 to \$1,000,000." 2 Includes the group "\$5,000 to \$20,000." 3 Includes the group "Less than \$5,000." 4 Includes the group "\$1,000,000 and over."

For 1914, as compared with 1909, the table shows increases in wage earners, value of products, and value added by manufacture for the large establishments—that is, those having products valued at more than \$100,000—except lumber, which shows a slight decrease in number of wage earners. Furthermore, for the large establishments, with the exception of print-

ing and publishing, the proportion of wage earners, value of products, and value added by manufacture is considerably greater than for all other classes combined.

Table 15 presents, for 1914, for all industries combined in each of the six cities having more than 10,000 inhabitants, statistics similar to those given in Table 14 for the state as a whole.

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		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.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
ANACONDA.....	19	251	100.0	\$753,516	100.0	\$493,097	100.0	GREAT FALLS.....	55	1,202	100.0	\$9,156,438	100.0	\$8,717,135	100.0
Less than \$5,000.....	7	4	1.6	17,732	2.4	9,735	2.0	Less than \$5,000.....	10	9	0.7	26,173	0.3	16,000	0.4
\$5,000 to \$20,000.....	6	12	5.2	50,126	6.7	26,549	5.4	\$5,000 to \$20,000.....	25	62	5.2	228,948	2.5	140,283	3.8
\$20,000 to \$100,000.....	3	53	21.1	150,614	20.0	95,150	19.3	\$20,000 to \$100,000.....	13	167	13.9	583,249	6.4	306,527	8.2
\$100,000 to \$1,000,000.....	3	181	72.1	535,044	71.0	361,663	73.3	\$100,000 and over.....	7	964	80.2	8,318,068	90.8	3,254,328	87.5
BILLINGS.....	42	329	100.0	1,633,741	100.0	732,101	100.0	HELENA.....	53	495	100.0	1,481,932	100.0	772,819	100.0
Less than \$5,000.....	12	6	1.8	32,186	2.0	15,694	2.1	Less than \$5,000.....	17	4	0.8	38,036	2.6	23,137	3.0
\$5,000 to \$20,000.....	14	35	10.6	127,319	7.8	77,382	10.6	\$5,000 to \$20,000.....	18	48	9.7	172,702	11.7	98,726	12.8
\$20,000 to \$100,000.....	10	68	20.7	289,294	17.7	154,643	21.1	\$20,000 to \$100,000.....	14	158	31.9	652,361	44.0	336,795	43.6
\$100,000 to \$1,000,000.....	6	220	66.9	1,184,942	72.5	484,382	66.0	\$100,000 to \$1,000,000.....	4	285	57.6	618,833	41.8	314,161	40.7
BUTTE.....	107	659	100.0	2,900,495	100.0	1,586,174	100.2	MISSOULA.....	34	447	100.0	1,112,792	100.0	707,550	100.0
Less than \$5,000.....	41	24	3.6	97,759	3.4	67,019	4.2	Less than \$5,000.....	14	10	2.2	40,720	3.7	25,489	3.6
\$5,000 to \$20,000.....	35	77	11.7	322,443	11.1	188,613	11.9	\$5,000 to \$20,000.....	12	35	7.8	127,781	11.5	87,897	12.4
\$20,000 to \$100,000.....	23	261	39.6	974,182	33.6	511,491	32.2	\$20,000 to \$100,000.....	5	18	4.0	188,320	16.9	71,091	10.0
\$100,000 to \$1,000,000.....	8	297	45.1	1,506,111	51.9	819,051	51.6	\$100,000 to \$1,000,000.....	3	384	85.9	755,971	67.9	523,073	73.9

<sup>1</sup> Includes the group "\$1,000,000 and over."

In the cities, with the exception of Helena, the same general condition prevails as that found throughout the state, namely, a preponderance as to average number of wage earners, value of products, and value added by manufacture, for establishments having products valued at \$100,000 and over. The highest percentage of total value of products reported by establishments in this class—90.8—is for Great Falls, the principal manufacturing city in the state, and the lowest—41.8—is shown for Helena.

Table 16 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 eight of the more important industries, and for each of the six cities having more than 10,000 inhabitants. Table 17 presents, for 1914, percentages based on figures in Table 16, and for 1909, similar percentages for all industries combined and for individual industries in the state as a whole.

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.	Wage earners.	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.....	939	13,704	181	557	1,075	119	1,255	46	1,501	13	832	9	1,274	11	3,903	2	1,759	1	2,105
Bread and other bakery products.....	105	274	28	69	142	7	77	3	112	1	55	.....	.....	.....	.....	.....	.....	.....	.....
Brick, building and fire brick.....	17	191	1	8	23	5	56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.....	16	3,611	.....	.....	.....	1	15	2	67	5	348	3	423	3	999	2	1,759	.....	.....
Flour-mill and gristmill products.....	33	256	2	20	24	6	56	5	176	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Foundry and machine-shop products.....	32	402	2	21	46	5	51	3	103	.....	.....	1	202	.....	.....	.....	.....	.....	.....
Liquors, malt.....	19	278	.....	6	25	8	95	5	158	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lumber and timber products.....	164	2,965	9	103	210	29	360	13	433	3	250	3	408	4	1,304	.....	.....	.....	.....
Printing and publishing.....	238	900	63	145	264	20	200	6	206	3	126	1	101	.....	.....	.....	.....	.....	.....
All other industries.....	315	4,827	76	185	341	38	345	9	246	1	53	1	137	4	1,600	.....	.....	.....	.....
Total for cities.....	310	3,383	66	161	355	51	563	21	668	5	328	3	360	3	1,109	.....	.....	.....	.....
ANACONDA.....	19	251	5	7	10	4	35	1	39	1	63	1	104	.....	.....	.....	.....	.....	.....
BILLINGS.....	42	329	7	22	42	9	97	3	88	.....	.....	1	102	.....	.....	.....	.....	.....	.....
BUTTE.....	107	659	27	58	140	11	124	9	255	2	140	.....	.....	.....	.....	.....	.....	.....	.....
GREAT FALLS.....	55	1,202	6	28	63	13	135	6	230	.....	.....	.....	.....	2	774	.....	.....	.....	.....
HELENA.....	53	495	16	22	53	11	141	1	22	.....	.....	1	151	.....	.....	.....	.....	.....	.....
MISSOULA.....	34	447	5	24	47	3	31	1	31	.....	.....	.....	.....	.....	335	.....	.....	.....	.....

Table 17

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	7.8	9.2	11.0	6.1	9.3	28.5	12.8	15.4
	1909	7.7	9.4	9.5	10.1	12.8	20.3	13.0	17.2
Bread and other bakery products.	1914	51.8	28.1	.....	20.1	.....	.....	.....	.....
	1909	47.7	16.8	.....	35.5	.....	.....	.....	.....
Brick, building and fire brick.	1914	12.0	29.3	58.6	.....	.....	.....	.....	.....
	1909	18.0	48.7	33.3	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	.....	0.4	1.9	9.6	11.7	27.7	48.7	.....
	1909	.....	.....	1.1	15.7	27.6	55.6	.....	.....
Flour-mill and gristmill products.	1914	9.4	21.9	68.8	.....	.....	.....	.....	.....
	1909	15.2	39.0	45.7	.....	.....	.....	.....	.....
Foundry and machine-shop products.	1914	11.4	12.7	25.6	.....	50.2	.....	.....	.....
	1909	7.0	11.7	31.3	.....	50.0	.....	.....	.....
Liquors, malt.....	1914	9.0	34.2	56.8	.....	.....	.....	.....	.....
	1909	8.6	61.4	30.1	.....	.....	.....	.....	.....
Lumber and timber products.	1914	7.1	12.1	14.6	8.4	13.8	44.0	.....	.....
	1909	6.1	12.1	12.1	15.4	19.6	17.0	17.7	.....
Printing and publishing.....	1914	29.3	22.2	22.9	14.0	11.6	.....	.....	.....
	1909	30.0	14.6	25.8	29.7	.....	.....	.....	.....
All other industries.....	1914	7.1	7.1	5.1	1.1	2.8	33.1	.....	43.6
	1909	6.3	5.6	5.0	2.5	4.0	15.9	19.8	41.0
Total.....	1914	10.5	16.6	19.7	9.7	10.6	22.8	.....	.....
ANACONDA.....	1914	4.0	13.9	15.5	25.1	41.4	.....	.....	.....
BILLINGS.....	1914	12.8	29.5	26.7	.....	31.0	.....	.....	.....
BUTTE.....	1914	21.2	18.8	38.7	21.2	.....	.....	.....	.....
GREAT FALLS.....	1914	5.2	11.2	19.1	.....	64.4	.....	.....	.....
HELENA.....	1914	10.7	28.5	4.4	25.3	31.1	.....	.....	.....
MISSOULA.....	1914	10.5	6.9	7.6	.....	74.9	.....	.....	.....

Of the 939 establishments reported for all industries, 181, or 19.3 per cent, employed no wage earners. In

these establishments the work is done by proprietors, firm members, or persons classed as salaried employees, or where wage earners were reported the number was so small and 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 among those having "no wage earners." The comparatively small establishments—those employing from 1 to 20 wage earners—formed 72 per cent of the total for the state, but gave employment to only 17 per cent of the total wage earners. The groups of establishments having more than 100 wage earners, although representing only 2.4 per cent of the total number of establishments in the state, gave employment to 66 per cent of the total wage earners.

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 Missoula, 74.9, and Great Falls, 64.4.

Engines and power.—Table 18 shows, for 1914, 1909, and 1904, for all industries combined, the number and horsepower of engines and 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 by establishments reporting.

Table 18

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total.....	2,152	1,291	277	91,671	90,402	46,736	100.0	100.0	100.0
Owned.....	527	503	277	63,873	63,523	42,330	69.7	70.3	91.6
Steam engines and turbines <sup>1</sup> .....	368	412	203	52,918	49,654	32,441	57.7	54.9	69.4
Internal-combustion engines.....	131	54	19	820	223	74	0.9	0.2	0.2
Water wheels, turbines, and motors.....	28	37	55	10,135	13,646	10,315	11.1	15.1	22.1
Rented.....	1,625	788	.....	27,798	26,879	3,906	30.3	29.7	8.4
Electric.....	1,625	788	( <sup>2</sup> )	27,798	26,504	3,898	30.3	29.3	8.3
Other.....	.....	.....	.....	.....	375	8	.....	0.4	( <sup>3</sup> )
Electric.....	1,802	831	100	38,109	27,301	7,979	100.0	100.0	100.0
Rented.....	1,625	788	( <sup>2</sup> )	27,798	26,504	3,898	72.9	97.1	48.9
Generated by establishments reporting.....	177	46	100	10,311	797	4,081	27.1	2.9	51.1

<sup>1</sup> Figures for horsepower include for 1909 and 1904 the amounts reported under the head of "other" owned power.

<sup>2</sup> Less than one-tenth of 1 per cent.

<sup>3</sup> Not reported.

Steam was the predominant power in 1914 as in 1909, representing 57.7 and 54.9 per cent, respectively, of the total horsepower reported in the state. The use of rented power in 1914, wholly electric, has greatly increased since 1904, when it represented but 8.4 per cent of the total primary power reported. In 1914 it represented 30.3 per cent. The increased use of electric power run by current generated within the same establishment was considerable, forming 2.9 per cent of the total electric power used in 1909 and 27.1 per cent in 1914. Water power, which formed 15.1 per cent of the primary power reported in 1909, decreased to 11.1 per cent in 1914. There was a slight increase

in the average capacity of the engines run by steam, from 1909 to 1914, but the capacity of internal-combustion engines, water wheels, turbines, and motors remained practically unchanged.

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 19 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 19**

INDUSTRY AND CITY.	COAL.					INDUSTRY AND CITY.	COAL.				
	An-thra-cite (tons, 2,240 lbs.).	Bitumi-nous (tons, 2,000lbs.).	Coke (tons, 2,000 lbs.).	Oil, in-cluding gasoline (bar-rels.).	Gas (1,000 cubic feet.).		An-thra-cite (tons, 2,240 lbs.).	Bitumi-nous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, in-cluding gasoline (bar-rels.).	Gas (1,000 cubic feet.).
All industries.....	556	578,234	198,481	39,036	11,211	Smelting, copper.....	291,050	178,377	586	.....	
Bread and other bakery products.....	158	2,627	369	5	1,217	Smelting, lead.....	13,121	32,916	1,596	.....	
Brick, building and fire brick.....	.....	21,599	.....	47	.....	Sugar, beet.....	40,969	1,447	.....	.....	
Cars and general shop construction and repairs by steam-railroad companies..	93	119,353	12	17	.....	All other industries.....	140	8,806	471	1,807	
Cement.....	.....	48,035	.....	.....	.....	Total for cities.....	347	164,897	30,220	4,916	9,589
Flour-mill and gristmill products.....	.....	10,089	.....	502	.....	ANACONDA.....	93	4,013	12	17	.....
Foundry and machine-shop products...	6	3,431	1,195	100	48	BILLINGS.....	.....	8,194	542	2,105	5,580
Gas, illuminating and heating.....	.....	10,409	1,230	4,178	.....	BUTTE.....	.....	11,801	661	9	1,545
Liquors, malt.....	60	16,529	255	.....	.....	GREAT FALLS.....	6	125,317	28,758	2,339	1,188
Lumber and timber products.....	.....	3,362	.....	90	.....	HELENA.....	248	9,175	136	352	1,115
Printing and publishing.....	69	1,945	1	484	6,543	MISSOULA.....	.....	6,307	101	4	161

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 Montana are here presented, together with statistics for power laundries.

**Flour-mill and gristmill products.**—The rapid development of this industry in the state is shown in the following table, which gives the quantity and value of the different products for 1914, 1909, and 1904.

**Table 20**

	1914	1909	1904
Products, total value.....	\$4,890,275	\$2,175,236	\$2,003,136
Wheat flour:			
Barrels.....	871,918	375,440	297,806
Value.....	\$3,919,318	\$1,860,681	\$1,723,722
Rye flour:			
Barrels.....	799	856	145
Value.....	\$2,836	\$4,794	\$616
Corn meal and corn flour:			
Barrels.....	318	.....	682
Value.....	\$1,509	.....	\$2,511
Oatmeal:			
Pounds.....	334,290	.....	.....
Value.....	\$14,725	.....	.....
Bran and middlings:			
Tons.....	34,543	.....	.....
Value.....	\$663,078	.....	.....
Feed and offal:		14,036	15,514
Tons.....	8,771	\$266,822	\$276,112
Value.....	\$214,252	.....	.....
Breakfast foods, rolled oats, etc.:		(1)	(1)
Pounds.....	606,448	(1)	(1)
Value.....	\$15,059	.....	.....
All other products.....	\$59,500	\$42,939	\$175

<sup>1</sup> Not reported separately.

In 1914 there were 33 establishments engaged in this industry, as compared with 12 in 1909 and in 1904. The output of wheat flour in 1914 was 871,918 barrels, an increase as compared with 1909 of 496,478 barrels, or 132.2 per cent. Wheat flour formed 80.1 per cent of the total value of products in 1914. Bran and middlings and feed and offal formed 17.9 per cent of the total value of products. There were 43,314 tons of bran and middlings and feed and offal in 1914 as compared with 14,036 in 1909, which represents an increase of 208.6 per cent.

The mills in 1914 were equipped with 246 stands of rolls, 4 runs of stone, and 23 attrition mills.

**Slaughtering and meat packing.**—The following table gives the quantity and cost of the different materials and the quantity and value of the various products reported at the censuses of 1914 and 1909. The 1904 figures can not be shown without disclosing individual operations.

**Table 21**

	1914	1909 <sup>1</sup>
Products, total value.....	\$2,119,539	\$2,053,609
Fresh meat:		
Beef—		
Pounds.....	10,111,419	12,253,541
Value.....	\$1,043,814	\$1,083,864
Veal—		
Pounds.....	186,806	1,815,825
Value.....	\$23,689	\$175,256
Mutton and lamb—		
Pounds.....	2,582,179	2,365,449
Value.....	\$273,213	\$249,720
Pork—		
Pounds.....	2,308,259	2,171,894
Value.....	\$266,426	\$249,118
Edible offal, and all other fresh meat—		
Pounds.....	170,953	52,500
Value.....	\$10,129	\$3,148
Sausage:		
Pounds.....	234,700	<sup>2</sup> 446,738
Value.....	\$22,080	\$36,909
Lard:		
Pounds.....	455,971	145,319
Value.....	\$38,321	\$21,122
Tallow and oleo stock:		
Pounds.....	636,906	\$74,310
Value.....	\$39,047	\$38,773
Hides and pelts:		
Cattle—		
Number.....	15,358	.....
Pounds.....	1,005,015	.....
Value.....	\$147,511	31,022
Calf—		
Number.....	950	1,505,935
Pounds.....	11,976	\$149,772
Value.....	\$2,103	.....
Sheep—		
Number.....	56,212	48,615
Value.....	\$60,815	\$43,663
All other products, value.....	\$172,391	\$49,204

<sup>1</sup> Includes data for one establishment engaged in the manufacture of sausage exclusively.

<sup>2</sup> The number of pounds of sausage made in the establishment, making sausage exclusively, was estimated on the basis of value of that made in slaughtering and meat-packing establishments.

The product consisted almost entirely of meat sold fresh, only a small proportion undergoing further process of manufacture. Mutton and lamb, pork, lard, edible offal, and sheep hides and pelts show increases both in quantity and value of products in 1914 as

compared with 1909. Tallow and oleo stock, and beef show decreases in quantity, yet show increases in value of products in 1914. The other items show decreases both in quantity and value of products for 1914 as compared with 1909.

**Printing and publishing.**—Table 22 gives the number of publications and the aggregate circulation per issue for all newspapers and periodicals published in Montana during 1914, 1909, and 1904.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1914	1909	1904	1914	1909	1904
Total.....	243	139	101	507,592	246,798	197,643
Daily.....	21	17	12	87,113	70,203	58,669
Sunday.....	7	7	5	60,321	48,088	34,111
Semiweekly.....	4	8	7	6,762	13,180	11,200
Weekly.....	203	101	69	292,746	92,027	75,463
All other classes.....	13	6	3	60,950	22,300	18,200

<sup>1</sup> Includes 11 monthly and 2 semi-monthly.  
<sup>2</sup> Includes 5 monthly and 1 semi-monthly.  
<sup>3</sup> Includes 5 monthly and 3 semi-monthly.

A general increase in all items is shown for each census period, with the exception of semi-weeklies, which show a decrease from 1909 to 1914. The increase in number and circulation of weekly newspapers and periodicals is particularly marked. This class of publications increased in number from 101 in 1909 to 203 in 1914, and in circulation from 92,027 in 1909 to 292,746 in 1914, representing an increase of 101 per cent and 218.1 per cent, respectively. To avoid disclosures in the operation of individual establishments, monthly publications are included in all other classes.

**Laundries.**—Statistics for power laundries are not included in the general tables or in the totals for manufacturing industries. Table 23, however, summarizes these statistics for Montana for 1914 and 1909.

	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase, <sup>1</sup> 1909-1914.
	1914	1909	
Number of establishments.....	42	26	61.5
Persons engaged.....	920	725	27.2
Proprietors and firm members.....	37	24	54.1
Salariated employees.....	64	47	36.0
Wage earners (average number).....	819	652	25.6
Primary horsepower.....	999	851	17.4
Capital.....	\$954,412	\$677,089	41.0
Salaries and wages.....	688,231	522,008	31.8
Salaries.....	88,715	61,305	37.9
Wages.....	599,489	457,643	31.0
Paid for contract work.....	1,600	.....	.....
Rent and taxes.....	33,829	23,352	44.9
Cost of materials.....	226,350	151,423	46.6
Amount received for work done.....	1,266,552	935,200	35.4

<sup>1</sup> Percentages are omitted where base is less than 100.

In 1914 Montana ranked twenty-ninth among the states in amount received for work done and thirty-seventh in number of persons engaged in the industry. The table shows increases in all the items given, those

in receipts for work done and in average number of wage earners amounting to 35.4 per cent and 25.6 per cent, respectively. Establishments owned by individuals reported 17.9 per cent of the amount received for work done; those owned by corporations, 74.9 per cent; and those under other forms of ownership, 7.2 per cent.

Table 24 shows, for 1914 and 1909, the number of wage earners employed in 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.

MONTH.	WAGE EARNERS.			
	Number.		Per cent of maximum.	
	1914	1909	1914	1909
January.....	797	606	90.0	85.4
February.....	780	597	88.0	84.1
March.....	781	610	88.1	85.9
April.....	810	631	91.4	88.9
May.....	843	629	95.1	88.6
June.....	859	663	97.0	93.4
July.....	886	697	100.0	98.2
August.....	880	710	99.3	100.0
September.....	840	698	94.8	98.3
October.....	781	667	88.1	93.9
November.....	778	654	87.8	92.1
December.....	786	660	88.7	93.0

Table 25 gives statistics as to the 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.

KIND.	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
	1914	1909	Amount.		Per cent of increase, <sup>1</sup> 1909-1914.
			1914	1909	
Primary power, total.....	108	70	999	851	17.4
Owned.....	30	19	706	639	10.5
Steam.....	27	19	655	630	2.5
Internal combustion.....	3	.....	51	.....	.....
Rented—Electric.....	78	51	293	212	38.2
Electric—Generated by establishments reporting.....	13	7	17	33	-55.3

<sup>1</sup> A minus sign (—) denotes decrease.

Table 26 shows the kinds and quantities of fuel used in the laundries, as reported at the censuses of 1914 and 1909, with percentages of increase.

KIND.	Unit.	QUANTITY		Per cent of increase, <sup>1</sup> 1909-1914.
		1914	1909	
Anthracite coal.....	Tons, 2,240 lbs.....	390	320	19.6
Bituminous coal.....	Tons, 2,000 lbs.....	14,846	9,079	48.8
Oil, including gasoline.....	Barrels.....	140	46	.....
Gas.....	1,000 cubic feet.....	3,816	2,905	31.4

<sup>1</sup> Percentages are omitted where base is less than 100.

GENERAL TABLES.

Table 27 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 the cities having more than 10,000 inhabitants similar data for all industries combined.

Table 28 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 27.—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.	INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.								Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1914	939	13,704	91,671	\$13,001	\$45,744	\$84,446	Foundry and machine-shop products.	1914	232	402	1,308	\$438	\$508	\$1,270
	1909	677	11,655	90,402	10,901	49,180	73,272		1909	14	316	741	354	381	986
	1904	382	8,957	46,736	8,652	40,930	66,415		1904	10	352	841	326	363	872
Bread and other bakery products.	1914	105	274	234	222	711	1,311	Liquors, malt.....	1914	19	278	2,276	391	776	2,567
	1909	71	214	109	165	618	1,096		1909	21	248	2,472	359	602	2,440
	1904	45	161	84	102	353	740		1904	23	250	1,714	285	487	1,732
Brick, building and fire brick.	1914	17	191	1,488	183	150	474	Lumber and timber products.	1914	164	2,965	20,978	2,270	2,356	6,721
	1909	21	189	1,135	166	83	371		1909	155	3,106	14,337	2,185	1,865	6,334
	1904	14	97	589	77	38	179		1904	47	2,218	7,612	1,512	454	3,121
Butter.....	1914	32	71	509	69	1,011	1,218	Printing and publishing.	1914	238	900	908	929	700	2,795
	1909	20	29	235	24	354	419		1909	135	691	679	655	463	2,111
	1904								1904	92	451	462	542	307	1,457
Cars and general shop construction and repairs by steam-railroad companies.	1914	16	3,611	5,376	3,009	2,542	5,834	Slaughtering and meat packing.	1914	11	98	309	103	1,725	2,134
	1909	12	1,913	2,670	1,538	1,086	2,811		1909	9	105	316	92	1,781	2,054
	1904	10	1,039	1,661	799	670	1,572		1904						
Copper, tin, and sheet-iron work.	1914	20	78	21	87	161	335	Tobacco, cigars.....	1914	70	82	4	69	118	306
	1909	9	31	5	35	65	137		1909	53	91		85	132	320
	1904	3	11		13	20	47		1904	44	95		66	105	271
Flour-mill and gristmill products.	1914	33	256	4,078	209	3,902	4,890	All other industries.....	1914	182	4,498	54,182	5,022	32,084	54,501
	1909	12	105	2,313	105	1,693	2,175		1909	145	4,619	65,390	5,108	40,117	52,018
	1904	12	67	1,455	57	1,592	2,003		1904	82	4,186	32,318	4,873	36,541	54,391

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

ANACONDA.....	1914	19	251	770	\$285	\$260	\$754	HELENA.....	1914	53	495	691	\$402	\$709	\$1,482
	1909	13	97	258	134	157	591		1909	44	420	788	362	493	1,303
	1904								1904	34	349		260	428	1,163
BILLINGS.....	1914	42	329	1,397	295	902	1,634	MISSOULA.....	1914	34	447	684	382	405	1,113
	1909	37	226	661	229	765	1,243		1909	26	428	594	403	492	1,171
	1904														
BUTTE.....	1914	107	659	1,226	671	1,314	2,900								
	1909	66	622	1,217	649	920	2,464								
	1904	54	478		509	565	1,700								

1 Figures can not be shown without disclosing individual operations.  
 2 Includes "automobile repairing."  
 3 Includes "lumber, planing-mill products, not including planing mills connected with sawmills."  
 4 Includes "sausage, not made in slaughtering and meat-packing establishments."

MANUFACTURES—MONTANA.

TABLE 28.—DETAIL STATEMENT FOR THE STATE, BY INDUSTRIES,

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—		Male.	Female.	Male.		Female.	
								Maximum month.							Minimum month.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1	All industries.....	939	16,363	832	520	1,133	174	13,704	Jy	15,677	No	12,368	(?)	(?)	(?)	(?)	(?)	\$70,246,396
2	Artificial stone products.....	11	41	9	4	4	1	23	Je	33	Ja <sup>s</sup>	15	41	41				117,529
3	Automobile repairing.....	8	29	9	1	1		18	Se <sup>s</sup>	20	Ja <sup>s</sup>	14	16	16				29,594
4	Awnings, tents, and sails.....	4	11	5				6	My	8	De <sup>s</sup>	4	7	6	1			12,163
5	Bread and other bakery products.....	105	424	113	7	13	12	274	Jy	295	Fe	242	239	196	70	11	12	1,112,078
6	Brick, building and fire brick.....	17	226	15	12	7	1	191	Jy	332	Fe	103	253	251				745,774
7	Butter.....	32	116	16	11	7	11	71	Jy	87	Fe	59	75	69	6			482,306
8	Carriages, wagons, and repairs.....	5	26	4	1	1		20	Au <sup>s</sup>	23	De <sup>s</sup>	15	17	17				76,204
9	Cars and general shop construction and repairs by electric-railroad companies.....	5	40		3	1		36	Jy	41	De	30	32	32				184,471
10	Cars and general shop construction and repairs by steam-railroad companies.....	16	3,801		108	70	12	3,611	Au	3,837	Fe	3,292	3,467	3,465		2		5,033,793
11	Confectionery and ice cream.....	27	197	28	8	21	10	130					151	48	102	1		233,419
12	Confectionery.....	19	161	19	7	19	8	108	De	123	Jy	99	123	36	88	1		184,167
13	Ice cream.....	8	36	9	1	2	2	22	Au <sup>s</sup>	28	Ja <sup>s</sup>	17	28	12	16			49,252
14	Copper, tin, and sheet-iron work.....	20	107	14	9	5	1	78	Oc	94	Fe	60	86	84		2		151,484
15	Druggists' preparations.....	5	12	2	3	1		6	Jy <sup>s</sup>	8	De	4	6	3	1	2		29,097
16	Flour-mill and gristmill products.....	33	430	14	34	109	17	256	No <sup>s</sup>	282	Ap	237	284	278	4	2		3,887,842
17	Food preparations, not elsewhere specified.....	6	18	5		1		12	My <sup>s</sup>	13	Au <sup>s</sup>	11	12	8	4			25,562
18	Foundry and machine-shop products.....	24	446	19	23	15	6	384	Jy	452	Oc	302	330	330				1,293,632
19	Gas, illuminating and heating.....	6	81		9	10	3	59	Je	85	No	45	52	51	1			1,546,304
20	Jewelry.....	5	12	6	1	1		3	No	6	Au <sup>s</sup>	2	6	6				8,295
21	Lapidary work.....	3	4	4														9,445
22	Liquors, malt.....	19	345	5	39	25	1	278	Jy	300	De	261	254	264				3,265,850
23	Lumber and timber products.....	145	3,234	154	64	139	4	2,873	Je	3,705	De	2,316	4,120	4,115	3	2		10,298,250
24	Lumber, planing-mill products, not including planing mills connected with sawmills.....	19	126	19	7	4	4	92	Jy	104	De	81	92	90	1	1		593,152
25	Marble and stone work.....	16	102	18	6	8	2	68	My	91	Ja <sup>s</sup>	39	83	82		1		237,556
26	Mineral and soda waters.....	22	58	21	5	3		29	Au <sup>s</sup>	37	Ja	24	28	28				119,599
27	Patent medicines and compounds.....	4	6	4				2	Fe <sup>s</sup>	3	De <sup>s</sup>	1	3	3				5,746
28	Pickles and sauces.....	3	8	3				5	No <sup>s</sup>	8	Mh <sup>s</sup>	2	4	4				14,650
29	Printing and publishing, job printing.....	17	151	11	9	10	5	116	Oc	130	Ja	111	112	87	22	2	1	401,140
30	Printing and publishing, newspapers and periodicals.....	221	1,250	216	65	148	37	784					776	674	85	17		1,838,218
31	Printing and publishing.....	17	83	18	3	24		33	Se	40	Ja	35	40	35	4	1		149,431
32	Printing, publishing, and job printing.....	187	1,137	187	56	113	35	746	Oc <sup>s</sup>	781	Fe	707	736	639	81	16		1,675,641
33	Publishing without printing.....	17	30	11	6	11	2											13,246
34	Saddlery and harness.....	16	67	14	4	7		42	Jy	44	Ja	40	42	41		1		213,463
35	Sausage.....	3	7	4	1			2	(*)	2	(*)	2	2	2				6,645
36	Slaughtering and meat packing.....	8	138		9	26	7	96	Au	99	Oc <sup>s</sup>	92	97	89	7	1		870,705
37	Tobacco, cigars.....	70	159	74	2	1		82	Au <sup>s</sup>	88	My	76	88	77	8	3		114,097
38	All other industries*.....	44	4,688	26	76	490	39	4,057										46,282,333

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

1	ANACONDA.....	19	296	14	11	14	6	251	Je	290	Se	217	258	246	8	4		\$935,136
2	BILLINGS.....	42	456	32	32	51	12	329	Se	356	Fe	296	336	312	20	4		2,060,102
3	BUTTE.....	107	899	82	47	86	25	659	Je	715	Fe	612	667	557	102	8		2,385,667
4	GREAT FALLS.....	55	1,582	36	45	239	37	1,202	Ja	1,721	No	689	1,409	1,391	15			9,810,803
5	HELENA.....	53	624	44	37	39	9	495	Se	569	Ja	426	498	402	73	10	13	1,892,135
6	MISSOULA.....	34	532	27	29	22	7	447	Se	501	Ja	398	485	469	9	6	1	1,358,519

\* Owned power only.

† No figures given for reasons stated under "Explanation of terms."

Artificial limbs.....	1	Cement.....	1	Fur goods.....	4
Automobile bodies and parts.....	1	Cheese.....	1	Hand stamps.....	1
Bookbinding and blank-book making.....	1	Chemicals.....	1	Hats, fur-felt.....	1
Brass and bronze products.....	1	Coffee, roasting and grinding.....	2	Ice, manufactured.....	1
Candles.....	1	Dairy men's, poultry men's, and apiarists' supplies.....	1	Leather, tanned, curried, and finished.....	1
Carpets, rag.....	2	Engines, steam, gas, and water.....	1	Lime.....	1

# MANUFACTURES—MONTANA.

833

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.				
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.	Internal combustion engines. <sup>1</sup>	Water wheels and motors. <sup>1</sup>	Electric (rented).	Electric horsepower generated in establishments reporting.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

\$1,228,538	\$1,550,115	\$13,001,205	\$789,361	\$476,134	\$1,121,644	\$42,275,499	\$4,463,437	\$84,446,136	\$37,702,150	91,671	52,918	820	10,135	27,798	10,311	1
2,593	2,902	17,328	-----	168	727	22,658	1,253	66,496	42,585	72	27	14	-----	31	-----	2
1,800	390	19,492	-----	2,464	158	2,710	1,023	35,505	31,772	35	-----	-----	-----	35	-----	3
13,535	29,654	3,389	50	1,428	99	12,750	191	27,747	14,806	5	-----	-----	-----	5	-----	4
22,597	9,411	222,001	975	31,843	8,265	676,914	33,665	1,311,259	600,680	234	80	5	-----	169	-----	5
19,810	15,195	183,304	11,239	766	4,181	63,689	86,144	474,313	324,480	1,488	285	12	-----	1,191	-----	6
900	600	89,473	2,728	4,918	4,470	995,923	15,099	1,217,683	206,661	509	224	8	-----	277	-----	7
4,551	1,500	23,359	-----	600	1,055	15,339	1,450	55,989	39,200	25	-----	-----	-----	26	-----	8
-----	-----	42,614	-----	-----	584	63,157	1,061	113,447	49,229	86	-----	-----	-----	88	-----	9
174,585	85,582	3,008,833	-----	-----	4,381	2,308,862	233,094	5,833,618	3,291,662	5,376	2,993	177	26	2,180	1,269	10
12,320	24,900	66,909	240	16,594	17,166	262,624	8,889	495,308	223,795	95	19	2	-----	74	-----	11
11,280	23,055	51,694	-----	12,114	16,845	209,862	7,234	392,507	175,361	62	5	-----	-----	57	-----	12
1,040	1,845	15,215	240	4,450	321	52,762	1,605	102,801	48,434	35	14	2	-----	17	-----	13
13,980	5,120	86,730	-----	8,400	1,584	159,838	1,540	334,805	173,427	21	-----	-----	-----	21	-----	14
2,120	600	4,400	-----	945	100	6,092	643	21,143	14,408	11	-----	-----	-----	11	-----	15
59,654	152,120	209,064	-----	533	26,750	3,839,862	62,070	4,890,275	938,343	4,078	1,620	161	600	1,697	185	16
-----	300	9,784	70	3,396	254	22,076	1,080	51,564	27,808	17	-----	-----	-----	17	-----	17
43,215	28,828	419,676	6,000	3,225	10,682	452,352	51,922	1,233,995	729,721	1,273	275	50	-----	948	-----	18
14,031	9,006	58,034	2,500	-----	17,746	12,140	32,490	265,686	171,056	172	162	-----	-----	10	-----	19
270	400	3,936	-----	710	20	5,909	160	15,645	9,578	9	-----	-----	-----	9	-----	20
-----	-----	-----	-----	150	18	2,255	213	10,125	7,657	4	-----	-----	-----	4	-----	21
134,592	40,732	391,145	6,160	5,500	329,216	702,793	72,985	2,566,979	1,791,201	2,276	1,441	-----	-----	835	45	22
160,183	174,112	2,169,031	615,191	3,964	231,329	2,030,150	18,618	6,206,473	4,157,705	19,799	10,358	139	167	135	1,894	23
17,430	8,080	101,204	3,791	3,721	3,595	297,741	9,455	514,408	207,212	1,179	338	-----	-----	841	-----	24
12,080	13,726	78,751	443	2,638	1,210	67,396	3,132	244,385	173,857	166	10	-----	-----	156	-----	25
6,150	1,265	26,185	300	1,903	1,879	46,452	2,610	149,806	100,744	82	20	2	-----	40	-----	26
-----	-----	1,400	-----	435	84	2,930	287	7,981	4,764	6	-----	-----	-----	-----	-----	27
17,214	19,044	2,600	35	258	47	13,309	356	19,670	6,005	10	-----	6	-----	-----	-----	28
125,599	213,752	113,033	36	8,545	2,453	108,690	4,333	333,676	229,653	90	10	-----	-----	-----	-----	29
7,900	39,354	816,400	49,570	61,407	18,431	545,601	41,012	2,460,911	1,874,298	818	23	202	7	90	-----	30
110,859	163,952	54,874	1,012	2,040	1,335	38,615	2,771	192,685	151,299	70	-----	-----	-----	62	-----	31
6,840	10,446	761,526	16,876	58,977	17,077	506,181	38,241	2,186,196	1,641,774	748	23	194	7	524	-----	32
8,860	6,961	51,491	-----	390	19	805	-----	82,030	81,225	-----	-----	-----	-----	-----	-----	33
600	-----	2,347	-----	8,380	2,384	166,881	1,512	274,463	106,070	66	-----	-----	-----	-----	-----	34
22,260	30,000	100,956	-----	195	78	7,750	433	14,660	6,477	10	-----	3	-----	63	-----	35
2,700	300	69,178	188	870	5,624	1,707,983	8,738	2,119,539	402,818	299	-----	-----	-----	10	-----	36
334,909	675,635	4,630,058	89,845	293,654	410,646	27,535,793	3,721,196	52,772,490	21,515,501	4	-----	8	-----	291	-----	37
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# NEBRASKA.

By J. B. COLLINS.

## GENERAL STATISTICS.

**General character of the state.**—Nebraska was admitted to the Union as a state in 1867. With a gross area of 77,520 square miles, of which 76,808 represent land surface, it ranks fifteenth in size among the states. Its inhabitants in 1900 numbered 1,066,300, and in 1910, 1,192,214; and its estimated population in 1914 was 1,246,000. In total population Nebraska ranked twenty-ninth among the states in 1910; and in density of population it ranked thirty-fourth, with 15.5 inhabitants per square mile, the corresponding figure for 1900 being 13.9.

The urban population in 1910—that is, the population residing in cities and other incorporated places of 2,500 inhabitants or more—was 310,852, or 26.1 per cent of the total, as against 23.7 per cent in 1900 and 27.4 per cent in 1890. It is noteworthy that the urban population represented a greater proportion of the total in 1890 than in either 1900 or 1910. There were in the state in 1914 five cities, each with an estimated population of more than 10,000; Grand Island, Hastings, Lincoln, Omaha, and South Omaha. These cities, whose aggregate population in that year formed 18.3 per cent of the estimated total population of Nebraska, reported 84 per cent of the value of the state's manufactured products.

The several trunk lines of railways with their numerous feeders form a network covering the entire state and furnish excellent facilities for transportation. The steam-railway mileage in 1914 was 6,171, and the electric-railway mileage in 1912 (the latest year for which figures are available) was 227.

Agriculture is the leading industry and forms the foundation for the major part of the commerce and manufactures of Nebraska. The total value of farm crops grown in the state in 1909 was \$196,125,632, the leading items being corn, \$88,234,846, and wheat, \$44,225,930; and the value of domestic animals sold or slaughtered on farms during the year was \$106,077,755. In that year Nebraska ranked tenth in value of all farm crops, fifth in production of corn, fourth in that of wheat, and fifth in value of domestic animals sold or slaughtered on farms. Although the rainfall over the state is sufficient for the growth of grain crops, irrigation is practiced to a considerable extent in the western portion, where the precipitation is lightest.

**Importance and growth of manufactures.**—The manufactured products of Nebraska in 1914 were valued at \$221,615,848, its factories gave employment on the average during the year to 25,144 wage earners, and the value added by manufacture amounted to \$47,502,164. In both 1914 and 1909 the state ranked twenty-fifth in value of products. In 1914 it ranked thirty-seventh in the number of wage earners employed in manufactures, and thirty-first in value added by manufacture, while in 1909 it ranked forty-sixth and fortieth, respectively.

Table 1 summarizes the more important statistics relative to all classes of manufactures combined in the state of Nebraska, for the years 1914, 1909, 1904, and 1899, together with the percentages of increase from census to census.

	MANUFACTURING INDUSTRIES.				PER CENT OF INCREASE. <sup>1</sup>		
	1914	1909	1904	1899	1909-1914	1904-1909	1899-1904
Number of establishments.....	2,492	2,500	1,819	1,695	-0.3	37.4	7.3
Persons engaged.....	33,695	31,966	25,356	( <sup>2</sup> )	5.4	26.1	.....
Proprietors and firm members.....	2,472	2,522	1,904	( <sup>2</sup> )	-2.0	32.5	.....
Salaried employees.....	6,079	5,108	3,192	2,296	19.0	60.0	39.0
Wage earners (average number).....	25,144	24,336	20,260	18,069	3.3	20.1	8.5
Primary horsepower.....	90,192	64,466	46,372	41,825	39.9	39.0	10.9
Capital.....	\$121,037,944	\$99,901,089	\$80,235,310	\$65,906,052	21.1	24.5	21.7
Salaries and wages.....	24,010,977	19,438,719	14,097,060	10,949,680	23.5	37.9	28.7
Salaries.....	7,117,632	5,490,874	3,074,911	2,107,251	29.6	73.6	45.9
Wages.....	16,893,345	13,947,845	11,022,149	8,842,429	21.1	26.5	24.6
Paid for contract work.....	451,983	411,727	190,688	( <sup>2</sup> )	9.8	115.9	.....
Rent and taxes (including internal revenue).....	4,431,217	3,453,689	* 610,575	( <sup>2</sup> )	28.3	.....	.....
Cost of materials.....	174,113,684	151,089,971	124,051,628	95,925,178	15.2	21.8	29.3
Value of products.....	221,615,848	199,018,579	154,918,220	130,302,453	11.4	28.5	18.9
Value added by manufacture (value of products less cost of materials).....	47,502,164	47,937,608	30,866,592	34,377,275	-0.9	55.3	-10.2

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Figures not available.

\* Exclusive of internal revenue.

There was a material increase in the manufactures of the state during the 15 years covered by Table 1. The increase, however, was more pronounced during the five-year periods ending with 1904 and 1909 than

during that ending with 1914. From 1899 to 1914 the value of products increased 70.1 per cent; the number of wage earners, 34.7 per cent; the amount paid in salaries and wages, 119.3 per cent; and the

amount of primary horsepower more than doubled. During 1914, 33,695 persons were reported as engaged in manufacturing establishments, their salaries and wages amounting to \$24,010,977.

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.

INDUSTRY.	CENSUS OF 1914.						PER CENT OF INCREASE. <sup>1</sup>									
	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.....	2,492	25,144	100.0	\$221,615,848	100.0	\$47,502,164	100.0	3.3	20.1	8.5	11.4	28.5	18.9	-0.9	55.3	-10.2
Slaughtering and meat packing.....	10	5,713	22.7	104,503,333	47.2	10,330,745	21.8	-5.2	7.6	-8.2	13.2	33.1	-2.7	-25.9	73.2	-2.2
Flour-mill and gristmill products.....	211	682	2.7	15,022,126	6.8	2,038,893	4.3	-18.7	-2.8	26.5	-15.8	46.3	56.4	-22.1	28.6	24.1
Butter.....	48	696	2.8	11,082,123	5.0	1,291,137	2.7	81.7	51.4	-24.0	44.3	130.9	47.6	8.6	90.5	63.5
Printing and publishing.....	692	2,413	9.6	7,835,653	3.5	5,591,543	11.8	3.6	12.3	9.7	17.5	33.6	44.5	12.8	34.1	48.2
Cars and general shop construction and repairs by steam-railroad companies.....	18	4,111	16.3	6,736,363	3.0	3,873,707	8.2	11.6	13.6	32.0	45.1	5.6	67.5	32.8	17.8	53.5
Bread and other bakery products.....	333	1,140	4.5	5,110,961	2.3	2,493,771	5.2	76.5	68.7	15.4	69.6	123.1	27.2	85.8	112.7	13.3
Foundry and machine-shop products.....	80	1,156	4.6	4,261,801	1.9	1,886,739	4.0	13.3	.....	.....	45.5	.....	.....	33.5	.....	.....
Food preparations, not elsewhere specified.....	23	283	1.1	3,832,614	1.7	970,041	2.1	91.2	.....	.....	275.0	266.2	10.3	228.8	98.7	-4.7
Liquors, malt.....	14	483	1.9	3,011,745	1.4	2,105,676	4.4	15.1	60.0	32.5	-9.7	100.4	16.0	-22.3	124.9	7.4
Gas, illuminating and heating.....	48	354	1.4	1,928,116	0.9	1,322,425	2.8	-11.5	32.5	4.1	36.3	55.2	73.7	36.3	44.3	71.9
Lumber and timber products.....	51	506	2.0	1,528,632	0.7	670,619	1.4	-6.8	.....	.....	-24.4	.....	.....	-15.7	.....	.....
Coffee, roasting and grinding.....	6	98	0.4	1,261,606	0.6	216,975	0.5	.....	.....	.....	.....	.....	.....	.....	.....	.....
Confectionery.....	12	235	1.3	1,066,483	0.5	405,717	0.9	-12.5	50.8	101.6	-9.4	117.0	118.5	-14.0	88.1	207.2
Tobacco, cigars.....	120	505	2.0	1,033,030	0.5	584,476	1.2	-6.0	4.1	29.3	-3.6	19.1	28.2	-3.2	7.3	35.1
Paints.....	6	67	0.3	957,829	0.4	334,049	0.7	-40.2	.....	.....	-23.6	261.4	-58.6	-17.6	268.2	-63.8
Shirts.....	5	423	1.7	869,244	0.4	268,993	0.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Patent medicines and compounds and druggists' preparations.....	38	143	0.6	867,433	0.4	489,508	1.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marble and stone work.....	53	143	0.6	841,110	0.4	380,786	0.8	-23.5	54.5	210.3	16.6	97.0	422.9	-2.3	73.3	368.8
Leather goods.....	31	177	0.7	832,897	0.4	328,255	0.7	-33.5	7.7	-24.0	-47.4	61.0	7.5	-45.0	35.3	10.9
Artificial stone products.....	232	337	1.4	802,962	0.4	456,955	1.0	-39.1	.....	.....	-34.5	717.3	.....	35.8	747.6	.....
Brick, tile, pottery, and other clay products.....	47	502	2.0	668,542	0.3	489,352	1.0	-40.0	-7.6	.....	-43.0	3.7	.....	-45.1	4.3	.....
Copper, tin, and sheet-iron work.....	33	165	0.7	579,294	0.3	269,394	0.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mineral and soda waters.....	63	105	0.4	434,722	0.2	259,497	0.5	2.9	.....	.....	.....	10.5	123.9	12.8	7.9	94.5
Brooms.....	14	154	0.6	424,772	0.2	205,531	0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Confectionery (ice cream).....	31	64	0.3	399,087	0.2	172,259	0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dairymen's, poultrymen's, and apiarists' supplies.....	9	106	0.4	397,161	0.2	165,955	0.3	-53.9	115.0	.....	57.8	281.0	.....	-65.6	217.1	.....
Canning and preserving, fruits and vegetables.....	14	209	0.8	337,261	0.2	148,752	0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Optical goods.....	7	48	0.2	330,989	0.1	165,370	0.3	.....	.....	.....	.....	126.0	313.3	.....	108.9	312.0
Ice, manufactured.....	18	102	0.4	330,467	0.1	208,737	0.4	.....	.....	.....	164.0	.....	.....	145.9	.....	.....
Mattresses and spring beds.....	6	77	0.3	315,349	0.1	100,641	0.2	-31.9	.....	-50.7	-11.3	255.0	-35.9	-27.5	176.0	-13.8
Fur goods.....	9	52	0.3	294,299	0.1	165,100	0.3	.....	.....	.....	69.9	49.1	.....	105.1	57.0	.....
Carriages and wagons and materials.....	16	109	0.4	265,479	0.1	166,231	0.3	-45.5	33.3	21.0	-54.1	81.4	28.7	-49.1	71.6	21.0
All other industries.....	189	3,651	14.5	43,451,865	19.6	8,943,235	18.8	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> Percentages are based on figures in Table 30; 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 32 industries, or industry groups, for each of which products valued at more than \$250,000 were reported for 1914. These industries include 6 with products exceeding \$5,000,000 in value, 8 with products between \$1,000,000 and \$5,000,000, and 18 with products valued at less than \$1,000,000. Among those included under the head of "all other industries" are the following which have products exceeding in value some of those presented in the table, statistics for which can not be shown separately without the possibility of disclosing the operations of individual establishments: Bags, other than paper; beet sugar; boots and shoes; cars, steam-railroad, not including operations of railroad companies; men's clothing; distilled liquors; pickles, preserves, and sauces; lead, smelting and refining; and soap.

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 from that

given if based on average number of wage earners or value added by manufacture.

Slaughtering and meat packing shows no variation. The flour-mill and gristmill industry, which ranked second in value of products, was seventh in average number of wage earners and sixth in value added by manufacture. Machinery is used largely in this industry and comparatively few employees are required, therefore the proportional value added to the raw material by manufacture is small in comparison with the corresponding proportions for most other industries. Butter, third in value of products and sixth in average number of wage earners, was only ninth in value added by manufacture. Printing and publishing ranked fourth in value of products but was second in value added by manufacture and third in average number of wage earners, while steam-railroad repair shops held second place in average number of wage earners and third in value added by manufacture but ranked only fifth in value of products.

In rank according to value of products, there were few changes in 1914 as compared with 1909. Of the more important industries shown in this table, slaughtering and meat packing, flour-mill and gristmill products, butter, printing and publishing, and cars and general shop construction and repairs by steam-railroad companies held the same rank at both censuses. For a number of the remaining industries slight changes from census to census are noticeable.

*Slaughtering and meat packing.*—This classification includes wholesale slaughtering and meat-packing establishments and, for 1904 and 1909, those engaged wholly in the manufacture of sausage. The development of this industry in Nebraska is due partly to the natural advantages afforded by the state for feeding live stock and partly to its central location in the grain and stock raising sections of the country. The industry centers in South Omaha where it was established in the early eighties, when the plant of the Union Stock Yards Co. was erected. It is the leading industry of the state in value of products, and in 1914 and 1909 only three states, Illinois, Kansas, and New York, reported a greater output.

*Flour-mill and gristmill products.*—Reports were received for 211 establishments for the state in 1914 doing merchant grinding, compared with 249 in 1909. The decrease in number of establishments is due largely to the tendency toward concentration in the industry, as a result of which many small mills reported for 1909 discontinued operations during the period between the censuses. The decrease in value of products in 1914 was due to the depression in prices during the year. As shown by Table 23, there was a considerable increase in the quantity of wheat flour produced in 1914, as compared with prior censuses. The total value of products decreased by 15.8 per cent, and the average number of wage earners by 18.7 per cent, as compared with 1909.

*Printing and publishing.*—This industry ranks fourth in the state and includes the printing and publishing of books, newspapers, periodicals, and music; job printing; bookbinding and blank-book making; and steel and copperplate engraving. Separate statistics for the different branches of the industry are shown in Table 31.

The 692 establishments reporting included 572 publishing newspapers and periodicals and 116 doing book and job work exclusively. These two branches of the industry together employed 99.2 per cent of the average number of wage earners and reported 99.7 per cent of the total value of products for the entire industry in 1914.

*Cars and general shop construction and repairs by steam-railroad companies.*—This industry represents the work of steam-railroad car shops but does not include the minor repairs in roundhouses. The operations consist principally of repairs to the rolling stock and

equipment, but include also shopwork done for the track and bridge and building departments. There was an increase of five in the number of establishments and the value of products increased from \$4,641,740 to \$6,736,863, or 45.1 per cent, over that of 1909. Employment was given to an average of 4,111 wage earners.

*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.	Cen- sus year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.				
		Total.	Male.	Fe- male.	Per cent of total.	
					Male.	Fe- male.
All classes.....	1914 1909	33,695 31,966	28,682 27,557	5,013 4,409	83.1 86.2	14.9 13.8
Proprietors and officials.....	1914 1909	3,856 3,686	3,703 3,572	153 114	96.0 96.9	4.0 3.1
Proprietors and firm members..	1914 1909	2,472 2,522	2,364 2,425	108 97	95.6 96.1	4.4 3.8
Salaried officers of corporations..	1914 1909	509 342	493 334	16 8	96.9 97.7	3.1 2.3
Superintendents and managers..	1914 1909	875 822	846 813	29 9	96.7 98.9	3.3 1.1
Clerks and other subordinate sala- ried employees.	1914 1909	4,695 3,944	3,539 3,044	1,156 900	75.4 77.2	24.6 22.8
Wage earners (average number).....	1914 1909	25,144 24,336	21,440 20,941	3,704 3,395	85.3 86.0	14.7 14.0
16 years of age and over.....	1914 1909	25,043 24,119	21,355 20,763	3,688 3,356	85.3 86.1	14.7 13.9
Under 16 years of age.....	1914 1909	101 217	85 178	16 39	84.2 82.0	15.8 18.0

This table shows that, while males largely predominate, there was a slight increase in the proportion of females employed in the manufactures of the state. The largest number of females were employed as wage earners, but of the classes presented, that of clerks and other subordinate salaried employees shows the largest proportion of females. Figures for the sex and age distribution of wage earners for individual industries will be found in Table 31.

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.

This table shows an increase during the five-year period for each of the several classes of employees, except proprietors and firm members, and wage earners under 16 years of age. The small decrease of 2 per cent in proprietors and firm members is due to the increase in the proportion of establishments under corporate ownership and the decrease in the proportion of those under other forms. While there was a decrease of 53.4 per cent for wage earners under 16 years

of age, the proportion which this class formed of the total was only three-tenths of 1 per cent for 1914. The largest percentage of increase for both sexes combined, 48.8, is shown for salaried officers of cor-

porations. Wage earners 16 years of age and over represented 74.3 per cent of the total number of persons engaged in manufacturing industries in the state in 1914 and 75.4 per cent in 1909.

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.								
	Per cent of increase, <sup>1</sup> 1909-1914.			Per cent distribution.					
	Total.	Male.	Female.	Total.		Male.		Female.	
				1914	1909	1914	1909	1914	1909
All classes.....	5.4	4.1	13.7	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials.....	4.6	3.7	34.2	11.5	11.6	12.9	13.0	3.0	2.6
Proprietors and firm members.....	-2.0	-2.5	.....	7.4	7.9	8.2	8.8	2.2	2.2
Salaried officers of corporations.....	48.8	47.6	.....	1.5	1.1	1.7	1.2	0.3	0.2
Superintendents and managers.....	6.4	4.1	.....	2.6	2.6	3.0	3.0	0.5	0.2
Clerks and other subordinate salaried employees.....	19.0	16.3	28.4	13.9	12.3	12.3	11.0	23.1	20.4
Wage earners (average number).....	3.3	2.4	9.1	74.6	76.1	74.8	76.0	73.9	77.0
16 years of age and over.....	3.8	2.8	9.9	74.3	75.4	74.5	75.4	73.6	76.1
Under 16 years of age.....	-53.4	-52.2	.....	0.3	0.7	0.3	0.6	0.3	0.9

<sup>1</sup> 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.

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.								
	Number.			Per cent distribution.			Per cent of increase. <sup>1</sup>		
	1914	1909	1904	1914	1909	1904	1909-1914	1904-1909	1904-1909
Total.....	33,695	31,966	25,356	100.0	100.0	100.0	5.4	26.1	
Proprietors and firm members.....	2,472	2,522	1,904	7.3	7.9	7.5	-2.0	32.5	
Salaried employees.....	6,079	5,108	3,192	18.0	16.0	12.6	19.0	60.0	
Wage earners (average).....	25,144	24,336	20,260	74.6	76.1	79.9	3.3	20.1	

<sup>1</sup> A minus sign (-) denotes decrease.

Of the three classes shown in this table, salaried employees and wage earners show increases for both five-year periods, while proprietors and firm members show a slight decrease from 1909 to 1914. The increases, however, are much greater for the earlier than for the later period.

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, is given in Table 6 for 1914, 1909, and 1904. The table also shows, for some of the more important industries separately, a similar distribution of wage earners for 1914 and 1909.

For all industries combined, the proportion of male wage earners 16 years of age and over, as well as that for children under 16, has been less at each successive census, while the proportion of females increased slightly during each five-year period. The actual number of males employed, however, has increased from census to census.

INDUSTRY.	Census year.	WAGE EARNERS.			
		Average number. <sup>1</sup>	Per cent of total.		
			16 years of age and over.		Under 16 years of age.
			Male.	Female.	
All industries.....	1914 1909 1904	25,144 24,336 20,260	84.9 85.3 85.5	14.7 13.8 12.5	0.4 0.9 2.0
Bread and other bakery products.....	1914 1909	1,140 646	67.2 72.6	32.1 26.0	0.7 1.4
Brick, tile, pottery, and other clay products.	1914 1909	502 836	97.8 98.6	0.6 0.2	1.6 1.2
Butter.....	1914 1909	686 383	76.6 88.8	23.4 10.7	..... 0.5
Cars and general shop construction and repairs by steam-railroad companies.	1914 1909	4,111 3,685	100.0 100.0	.....	.....
Flour-mill and gristmill products.....	1914 1909	682 839	99.7 92.7	0.3 7.0	..... 0.2
Foundry and machine-shop products.....	1914 1909	1,156 1,020	99.5 98.0	0.4 1.3	0.1 0.7
Liquors, malt.....	1914 1909	488 424	100.0 100.0	.....	.....
Lumber and timber products.....	1914 1909	506 543	99.2 98.5	0.6 .....	0.2 1.5
Printing and publishing.....	1914 1909	2,413 2,329	76.5 73.9	22.1 23.8	1.4 2.3
Slaughtering and meat packing.....	1914 1909	5,713 6,015	92.2 92.6	7.5 6.3	0.3 1.1
Tobacco, cigars.....	1914 1909	505 537	62.0 67.4	35.8 31.5	2.2 1.1
All other industries.....	1914 1909	7,232 7,079	72.0 71.4	27.7 27.8	0.3 0.8

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

Of the 11 industries for which separate figures are given in this table, 4 show an increase from 1909 to 1914 in proportion of males and 6, an increase in proportion of females, while in only two—brick, tile, pottery, and other clay products and tobacco manufactures—were there increases in the proportion of children under 16 years of age. The wage earners under

16 years of age in Nebraska are employed principally in the slaughtering and meat-packing and printing and publishing industries.

Table 7 shows the average number and the per cent distribution of wage earners employed in each of the four 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. No comparison can be made for Hastings, as its population in 1909 was less than 10,000.

SEX AND AGE.	Cen- sus year.	AVERAGE NUMBER OF WAGE EARNERS IN—				
		Grand Island.	Hast- ings.	Lincoln.	Omaha.	South Omaha.
Total.....	1914	460	416	1,521	8,922	6,063
	1909	1,576	.....	2,140	8,923	6,306
	1904	.....	.....	1,617	5,822	5,662
16 years of age and over:						
Male.....	1914	357	287	1,452	6,808	5,540
	1909	1,439	.....	1,605	6,324	5,806
	1904	.....	.....	1,217	4,476	5,243
Female.....	1914	100	129	364	2,091	504
	1909	1,109	.....	512	1,669	431
	1904	.....	.....	376	1,299	270
Under 16 years of age.....	1914	3	.....	5	23	19
	1909	123	.....	23	30	69
	1904	.....	.....	24	47	149
Per cent of total:						
16 years of age and over—						
Male.....	1914	77.6	69.0	79.7	76.3	91.4
	1909	76.2	.....	75.0	78.8	92.1
	1904	.....	.....	75.3	76.9	92.6
Female.....	1914	21.7	31.0	20.0	23.4	8.3
	1909	18.9	.....	23.9	20.8	6.8
	1904	.....	.....	23.2	22.3	4.8
Under 16 years of age.....	1914	0.7	.....	0.3	0.3	0.3
	1909	4.9	.....	1.1	0.4	1.1
	1904	.....	.....	1.6	0.8	2.6

<sup>1</sup> 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, for cities where per cent of increase can be computed.

CITY.	PER CENT OF INCREASE IN AVERAGE NUMBER OF WAGE EARNERS. <sup>1</sup>				
	Period.	Total.	16 years of age and over.		Under 16 years of age.
			Male.	Female.	
Grand Island.....	1909-1914	-20.1	-18.7	-8.2	.....
Lincoln.....	1904-1914	12.6	19.3	-3.2	.....
	1909-1914	-14.9	-9.5	-28.9	.....
	1904-1909	32.3	31.9	36.2	.....
Omaha.....	1904-1914	53.2	52.1	61.0	.....
	1909-1914	11.2	7.6	25.3	.....
	1904-1909	37.8	41.3	28.5	.....
South Omaha.....	1904-1914	7.1	5.7	86.7	-87.2
	1909-1914	-3.3	-4.6	16.9	.....
	1904-1909	11.4	10.7	59.6	-53.7

<sup>1</sup> A minus sign (-) denotes decrease; percentages are omitted where base is less than 100.

The proportion of male wage earners 16 years of age and over is greatly in excess of that for the females in every city. In 1914 the proportions for all cities combined were 81.7 for men, 18 for women, and three-tenths of 1 per cent for children. All of

the cities show decreases from census to census both in numbers and proportions of wage earners under 16 years of age.

In Omaha, the most important city of the state in respect to number of wage earners employed, the percentage of males decreased from 78.8 in 1909 to 76.3 in 1914, and during the same period the percentage of adult females increased from 20.8 to 23.4.

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.

MONTH.	WAGE EARNERS IN MANUFACTURING INDUSTRIES.					
	Number. <sup>1</sup>			Per cent of maximum.		
	1914	1909	1904	1914	1909	1904
January.....	24,159	22,138	18,886	90.2	85.3	83.8
February.....	23,704	23,263	18,503	88.5	89.7	84.1
March.....	24,103	22,994	19,245	90.0	88.6	87.4
April.....	24,560	23,744	20,098	91.0	91.5	91.3
May.....	25,147	24,277	20,720	93.8	93.6	94.1
June.....	25,802	24,748	20,351	96.3	95.4	93.2
July.....	25,726	24,742	19,347	96.0	95.4	87.9
August.....	26,795	25,628	20,070	100.0	98.3	91.2
September.....	26,210	25,945	22,012	97.8	100.0	100.0
October.....	26,017	25,373	21,732	97.1	97.8	98.7
November.....	24,852	24,929	21,032	92.7	96.1	95.5
December.....	24,653	24,251	20,524	92.0	93.5	93.2

<sup>1</sup> 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 and fall months show the greatest activity in the combined industries of the state, the maximum number of wage earners appearing for August and the minimum for February. For 1909 and 1904 a similar condition is shown, the maximum month being September for both years, and the minimum January for 1909 and February for 1904. The greatest difference between the maximum and minimum months in any one of the three census years was 3,807, or 14.7 per cent of the maximum, 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 five cities having more than 10,000 inhabitants.

Of the selected industries, artificial stone products shows the greatest degree of fluctuation in employment, the number of wage earners in January being but 16.4 per cent of the number in May. This is a seasonal industry, and naturally there is considerable variation in the number of wage earners employed

during different months. For the same reason there is considerable fluctuation in the number reported for brick, tile, pottery, and other clay products.

The greatest stability of employment is shown for printing and publishing, in which industry the minimum formed 95.2 per cent of the maximum.

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.....	25,144	24,150	23,704	24,103	24,560	25,147	25,802	25,726	26,795	26,210	26,017	24,852	24,653	88.5
Artificial stone products.....	337	88	106	228	444	538	524	504	463	460	360	219	110	16.4
Bread and other bakery products.....	1,140	1,049	1,053	1,072	1,097	1,125	1,170	1,179	1,193	1,191	1,192	1,179	1,180	87.9
Brick, tile, pottery, and other clay products.....	502	232	218	284	517	716	765	773	771	693	569	298	188	24.3
Butter.....	696	544	639	550	650	791	1,004	936	831	718	643	571	575	53.7
Carriages and wagons and materials.....	109	146	142	127	122	107	105	106	103	91	84	87	88	57.5
Cars and general shop construction and repairs by steam-railroad companies.....	4,111	4,028	3,966	3,999	3,924	3,983	4,159	4,140	4,263	4,194	4,272	4,217	4,187	91.9
Confectionery.....	335	319	332	309	291	284	308	281	319	379	396	411	391	68.4
Dairymen's, poultrymen's, and apiarists' supplies.....	106	140	195	218	166	79	58	45	73	73	78	66	81	20.6
Flour-mill and gristmill products.....	682	677	681	673	667	651	670	678	689	711	709	689	689	91.6
Food preparations, not elsewhere specified.....	283	288	265	260	274	267	273	267	290	337	329	299	287	76.3
Foundry and machine-shop products.....	1,156	1,171	1,162	1,192	1,221	1,246	1,236	1,167	1,148	1,144	1,093	1,048	1,044	83.8
Gas, illuminating and heating.....	354	342	324	318	362	372	412	392	380	383	338	312	313	75.7
Leather goods.....	177	183	186	188	175	171	170	166	169	169	178	181	191	86.9
Liquors, malt.....	488	410	440	419	429	504	604	601	601	498	481	436	433	67.9
Lumber and timber products.....	506	466	458	478	510	561	569	554	547	511	476	465	457	80.1
Marble and stone work.....	143	126	108	141	152	157	163	156	152	149	142	140	130	66.3
Printing and publishing.....	2,413	2,418	2,416	2,419	2,392	2,407	2,379	2,346	2,377	2,417	2,459	2,462	2,464	95.2
Slaughtering and meat packing.....	5,713	5,870	5,355	5,897	5,573	5,548	5,449	5,037	5,428	5,616	5,977	5,820	5,886	90.8
Tobacco, cigars.....	505	487	503	482	497	490	507	510	515	513	517	515	524	92.0
All other industries.....	5,388	5,205	4,765	4,849	5,097	5,160	5,277	5,298	6,486	5,963	5,724	5,437	5,405	73.3
Total for cities.....	17,682	17,277	17,242	17,421	17,387	17,672	18,012	18,149	18,256	17,837	17,983	17,460	17,488	94.4
GRAND ISLAND.....	460	427	411	392	410	430	476	458	594	478	487	481	476	66.0
HASTINGS.....	416	333	374	361	377	400	493	471	554	424	418	393	394	60.1
LINCOLN.....	1,821	1,599	1,630	1,663	1,881	1,920	2,040	1,983	1,975	1,955	1,837	1,716	1,692	77.9
OMAHA.....	8,922	8,716	8,618	8,746	8,808	9,052	9,235	9,281	9,300	8,969	8,858	8,713	8,768	92.7
SOUTH OMAHA.....	6,063	6,211	6,209	6,250	6,911	6,870	6,768	6,956	5,833	6,011	6,383	6,157	6,188	90.4

Of the five cities, Hastings shows the greatest fluctuation, the percentage which the minimum formed of the maximum for this city being 60.1. The smallest fluctuation appears for Omaha, for which city the percentage which the minimum formed of the maximum was 92.7; for South Omaha it was 90.4; for Lincoln, 77.9; and for Grand Island, 66.

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 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, emphasize the tendency toward a shortening of the working day of wage earners. In 1909, 15,377, or five-eighths of the total average number of wage earners for all industries combined, were employed in establishments where the prevailing hours of labor were over 54 per week, whereas 13,377, or a little over one-half, were so

employed in 1914. On the other hand, the number of wage earners whose working hours were 54 and fewer per week increased from 8,959, or 36.8 per cent of the total for the state, in 1909 to 11,767, or 46.8 per cent of the total, in 1914.

Among the separate industries gas shows the greatest proportional decrease in hours of labor. In 1914, 83.6 per cent of the wage earners in this industry were employed in establishments where the hours of labor were 60 or fewer per week, as against 5 per cent in 1909. A perceptible change in the same direction will also be noted in the case of bread and other bakery products, steam-railroad repair shops, confectionery, malt liquors, and printing and publishing. In slaughtering and meat packing the number of wage earners increased in the establishments where the prevailing hours of labor were 60 and over per week. In 1914, 99.8 per cent were employed in such establishments; in 1909, 63.1 per cent. In 1914, for all industries combined and for many of them separately, the majority of the wage earners were employed in establishments in which the prevailing hours of labor were more than 54 per week. There were, however, several notable exceptions. In printing and publishing and in the manufacture of cigars more than 95 per cent of the employees were reported by establishments with prevailing hours of 54 or less 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 1909	25,144 24,336	4,422 1,991	2,268 892	5,077 6,076	1,706 3,876	9,756 8,991	1,703 1,916	130 184	82 410
Artificial stone products.....	1914 1909	337 553	20 8	3 4	22 35	26 83	265 423	1		
Bread and other bakery products.....	1914 1909	1,140 646	134 41	17 8	750 240	29 290	167 290	32 37	6 21	5 8
Brick, tile, pottery, and other clay products.....	1914 1909	502 836	67 70	4 28	16 17	42 16	373 677	28		
Butter.....	1914 1909	696 383	1 5		80 13	11	426 274	177 87	1 4	
Carriages and wagons and materials.....	1914 1909	109 200		43	6 15	31 110	29 74			
Cars and general shop construction and repairs by steam-railroad companies.....	1914 1909	4,111 3,685	1,487	1,094	757 1,985	59 637	29 115	685 948		
Confectionery.....	1914 1909	335 383	1 2		295 159	22	17 222			
Dairymen's, poultrymen's, and apiarists' supplies.....	1914 1909	106 230		32	73 17		33 181			
Flour-mill and gristmill products.....	1914 1909	682 839	14 11	7 14	18 6	4 6	410 447	194 236	35 116	3
Food preparations, not elsewhere specified.....	1914 1909	283 148	16		89 4	36 49	142 87			
Foundry and machine-shop products.....	1914 1909	1,156 1,020	55 9	46 74	304 116	364 130	379 690	8	1	
Gas, illuminating and heating.....	1914 1909	354 400	17 11	6 1	5	1	267 8	55 33		3 347
Leather goods.....	1914 1909	177 266		9 8	13 9	138 191	17 37	20		
Liquors, malt.....	1914 1909	488 424	369 305		29 60		90 21	17	21	
Lumber and timber products.....	1914 1909	506 543	57 3	15	136 148	269 261	29 131			
Marble and stone work.....	1914 1909	143 167	38 22	27 66	50 57	2 1	26 41			
Printing and publishing.....	1914 1909	2,413 2,329	1,238 971	429 178	627 792	25 118	91 258	1	3 11	
Slaughtering and meat packing.....	1914 1909	5,713 6,015	6		3 734		5,702 3,786	2 2		9
Tobacco, cigars.....	1914 1909	505 537	317 323	45	132 108	30	8 76			3
All other industries.....	1914 1909	5,388 4,712	585 208	523 471	1,672 1,561	647 759	1,256 1,153	549 507	85 1	71 52
Total for cities.....	1914	17,682	3,555	956	3,568	1,216	7,201	1,117	11	58
GRAND ISLAND.....	1914	460	72	23	115	11	38	190	11	
HASTINGS.....	1914	416	60	21	104	100	125	6		
LINCOLN.....	1914	1,821	706	12	455	181	187	280		
OMAHA.....	1914	8,922	2,584	832	2,843	916	1,052	637		58
SOUTH OMAHA.....	1914	6,063	133	68	51	8	5,799	4		

Of the combined total average number of wage earners, 17,682, for the five cities in 1914, 16,496, or 93.3 per cent, were in establishments where the hours of labor were 60 or fewer per week, while only 1,186 were in establishments in which the hours were more than 60 per week.

In establishments where the working hours were 54 per week the proportion of wage earners was greater in Omaha than in any other city. The largest proportion in the 60-hour group is shown by South Omaha, and the largest in establishments with prevailing hours between 60 and 72 appears for Grand Island.

Location of establishments.—Table 12 shows, for 1914, 1909, and 1899, the extent to which the manu-

factures in Nebraska were centralized in the cities having more than 10,000 inhabitants.

Comparison with 1909 for the cities or for the districts outside can not properly be made, because the the population of Hastings in that year was below 10,000, and the statistics for that city, therefore were included with those for the outside districts. The table shows, however, that for 1914, the cities, which represented 18.3 per cent of the estimated population of the state, reported 84 per cent of the total value of products, 74.1 per cent of the total value added by manufacture, 70.3 per cent of the total average number of wage earners, but only 30.9 per cent of the total number of establishments.

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 1910 1900		5 4 3		2 1		2 2		1 1 1				
Population <sup>1</sup> .....	1914 1910 1900	1,245,873 1,192,214 1,066,300	227,975 204,654 168,725	13.3 17.2 15.8	22,670 10,326	1.8 0.9	72,011 70,232 66,170	5.8 5.9 6.2	133,274 124,096 102,555	10.7 10.4 9.6	10,178,898 987,560 897,575	81.7 82.8 84.2	
Number of establishments.....	1914 1909 1899	2,492 2,500 1,695	769 713 429	30.9 28.5 25.3	96 43	3.9 1.7	256 233 122	10.3 9.5 7.2	417 432 307	16.7 17.3 18.1	1,723 1,787 1,266	69.1 71.5 74.7	
Average number of wage earners.....	1914 1909 1899	25,144 24,336 18,669	17,682 17,045 12,707	70.3 70.0 68.1	876 576	3.5 2.4	7,884 8,446 7,431	31.4 34.7 39.8	8,922 8,023 5,276	35.5 33.0 28.3	7,462 7,291 5,962	29.7 30.0 31.9	
Value of products.....	1914 1909 1899	\$221,615,848 199,018,579 130,302,453	\$186,200,005 161,974,066 110,346,627	84.0 81.4 84.7	\$3,711,338 1,673,669	1.7 0.8	\$116,050,626 99,445,847 72,272,383	52.4 50.0 55.5	\$66,438,041 60,854,550 38,074,244	30.0 30.6 29.2	\$35,415,843 37,044,513 19,955,826	16.0 18.6 15.3	
Value added by manufacture.....	1914 1909 1899	47,502,164 47,937,608 34,377,275	35,205,416 36,114,627 27,804,848	74.1 75.3 80.9	1,341,283 766,091	2.8 1.6	15,491,896 17,908,613 9,658,695	32.6 37.4 28.1	18,372,237 17,439,923 18,146,153	38.7 36.4 52.8	12,296,748 11,822,981 6,572,427	25.9 24.7 19.1	

<sup>1</sup> 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. 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
South Omaha.....	6,063	6,306	5,662	\$106,025,436	\$92,435,712	\$67,415,177
Omaha.....	8,922	8,023	5,822	66,438,041	60,854,550	54,003,704
Lincoln.....	1,821	2,140	1,617	10,025,190	7,010,135	5,222,620
Grand Island.....	460	1,576		2,100,700	1,673,669	
Hastings.....	416			1,610,638		

<sup>1</sup> 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.

Every city for which comparative statistics are presented shows an increase in value of products at each census. The greatest relative gain from 1909 to 1914, 43 per cent, was made by Lincoln. Omaha is the only city that shows an increase in average number of wage earners at each census.

The principal industries shown in Omaha are butter, bread and other bakery products, printing and publishing, and malt liquors. Although smelting and refining lead is by far the most important industry in Omaha, the figures for this industry can not be given, because to do so would disclose individual operations. South Omaha is the leading city as to value of products, due

to the slaughtering and meat-packing industry. The manufacture of food preparations and soap are also important industries in this city. In Lincoln the principal industries are printing and publishing, foundry and machine-shop products, and flour-mill and gristmill products; in Grand Island, butter, flour-mill and gristmill products, and steam-railroad repair shops; in Hastings, butter, flour-mill and gristmill products, and saddlery and harness.

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.

In 1914 the number of establishments under corporate ownership represented but 22.9 per cent of the total, but this class reported 91.8 per cent of the total value of products and 83.4 per cent of the total average number of wage earners; in 1909 and 1904 the corresponding proportions were slightly less. Each of the 11 industries, for which separate statistics are given, report the largest proportion of the total value of products for establishments under corporate ownership. This condition prevailed also in 1914, in each of the 5 cities. Here, however, the proportion of establishments under corporate ownership is greater than that for the state as a whole.

**Table 14**

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	In establish- ments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.						
						Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Corpora- tions.	All others.				
All industries.....	1914	1,478	570	444	25,144	2,919	20,970	1,255	11.6	83.4	5.0	\$221,615,848	\$11,951,590	\$203,398,653	\$6,275,605	5.4	91.8	2.8				
	1909	1,511	487	502	24,336	3,298	19,495	1,543	13.6	80.1	6.3	199,918,579	13,767,422	175,621,402	9,629,755	6.9	88.2	4.8				
	1904	1,074	359	386	20,260	2,727	15,844	1,689	13.5	78.2	8.3	154,918,220	9,050,696	138,623,975	7,243,549	5.8	89.5	4.7				
Bread and other bakery products.	1914	294	14	55	1,140	353	685	102	31.0	60.1	8.9	5,110,961	1,620,043	3,015,390	475,528	31.7	59.0	9.3				
	1909	221	8	50	640	325	197	124	50.3	30.5	19.2	2,014,091	1,549,262	937,859	526,970	51.4	31.1	17.5				
Butter.....	1914	12	28	8	696	45	643	8	6.5	92.4	1.1	11,082,123	735,316	10,159,134	187,673	6.6	91.7	1.7				
	1909	10	11	16	383	50	293	40	13.1	76.5	10.4	7,681,272	585,652	6,569,186	536,433	7.6	85.4	7.0				
Cars and general shop construction and repairs by steam-railroad companies.	1914	18			4,111		4,111			100.0		6,736,863		6,736,863			100.0					
	1909	13			3,685		3,685			100.0		4,641,740		4,641,740			100.0					
Flour-mill and gristmill products.	1914	95	53	61	682	155	390	137	22.7	57.2	20.1	15,022,126	2,459,519	10,093,207	2,469,300	16.4	67.2	16.4				
	1909	115	59	75	839	199	464	176	23.7	55.3	21.0	17,835,596	3,844,517	9,012,297	4,978,782	21.6	50.5	27.9				
Food preparations, not elsewhere specified.	1914	5	13	5	283	23	250	10	8.1	88.3	3.6	3,832,614	232,235	3,575,881	64,498	6.1	92.2	1.7				
	1909	8	8	2	148	123	125	10	15.5	84.5		1,85,099	1,85,099	6,569,186	536,433	7.6	85.4	7.0				
Foundry and machine-shop products.	1914	38	27	15	1,156	129	969	58	11.2	83.8	5.0	4,261,801	641,412	3,469,799	150,590	15.1	81.4	3.5				
	1909	30	30	13	1,020	130	840	50	12.7	82.4	4.9	2,929,583	543,870	2,255,090	130,623	18.6	77.0	4.5				
Gas, illuminating and heating	1914	7	28	13	354	1	343	10	0.3	96.9	2.8	1,928,116	32,112	1,860,018	35,986	1.6	96.5	1.9				
	1909	12	23	13	400	5	386	9	1.2	95.5	2.3	1,415,002	24,556	1,362,246	28,200	1.7	96.3	2.0				
Leather goods.....	1914	20	5	6	177	23	89	65	13.0	50.3	36.7	832,897	110,946	383,090	338,861	13.3	46.0	40.7				
	1909	17	7	6	266	23	143	100	8.0	53.8	37.6	1,582,866	98,107	769,957	714,802	6.2	48.6	45.2				
Lumber and timber products.	1914	26	20	5	506	109	370	27	21.6	73.1	5.3	1,528,632	289,567	1,188,825	50,240	18.9	77.8	3.3				
	1909	24	15	9	543	96	416	31	17.7	76.6	5.7	2,021,366	221,323	1,724,306	75,737	10.9	85.3	3.7				
Printing and publishing	1914	501	89	102	2,413	737	1,392	284	30.5	57.7	11.8	7,835,653	1,812,023	5,208,499	815,131	23.1	66.5	10.4				
	1909	491	74	109	2,329	783	1,276	270	33.6	54.8	11.6	6,667,290	1,900,499	4,112,919	653,872	28.5	61.7	9.8				
Slaughtering and meat packing.	1914	3	6	1	5,713	17	5,696		0.3	99.7		104,503,333	1,511,591	103,991,742		0.5	99.5					
	1909	7	5	6	6,015	19	5,977	19	0.3	99.4	0.3	92,305,484	353,003	91,655,117	297,364	0.4	99.3	0.3				
Total for cities.....	1914	345	295	129	17,682	1,140	15,931	611	6.4	90.1	3.5	186,200,005	4,177,446	179,798,436	2,224,123	2.2	96.6	1.2				
GRAND ISLAND.....	1914	23	18	8	460	69	363	28	15.0	78.9	6.1	2,100,700	182,726	1,782,736	135,238	8.7	84.9	6.4				
HASTINGS.....	1914	19	14	14	416	109	190	117	26.2	45.7	28.1	1,610,638	258,733	961,968	389,937	16.1	69.7	24.2				
LINCOLN.....	1914	95	70	30	1,821	270	1,415	136	14.8	77.7	7.5	10,025,190	1,110,846	8,442,461	471,883	11.1	84.2	4.7				
OMAHA.....	1914	175	174	68	8,922	593	8,012	312	6.7	89.8	3.5	68,438,641	2,007,605	63,448,701	681,735	3.0	95.5	1.5				
SOUTH OMAHA.....	1914	33	19	9	6,063	94	5,951	18	1.6	98.2	0.3	106,025,436	617,536	105,162,570	245,330	0.6	99.2	0.2				

<sup>1</sup> Includes the group "all others."

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.....	2,492	2,500	1,819	25,144	24,336	20,260	\$221,615,848	\$199,018,579	\$154,918,220	\$47,502,164	\$47,937,605	\$30,866,592
Less than \$5,000.....	1,253	1,266	938	1,060	1,089	1,034	2,978,678	2,951,130	2,059,696	1,917,464	1,907,985	1,139,480
\$5,000 to \$20,000.....	718	685	451	2,166	2,477	1,980	7,025,939	6,778,610	4,628,580	3,741,374	3,844,645	2,529,238
\$20,000 to \$100,000.....	366	399	320	3,771	4,220	3,727	16,234,647	17,100,526	13,315,999	6,433,023	6,781,959	5,893,601
\$100,000 to \$1,000,000.....	183	133	101	8,516	7,862	6,399	36,674,723	35,055,151	24,900,507	14,515,305	13,363,538	9,169,414
\$1,000,000 and over.....	22	17	9	9,631	8,688	7,160	158,701,861	137,133,162	110,013,438	20,894,998	22,039,481	12,334,859
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.....	50.3	50.6	51.6	4.2	4.5	5.1	1.3	1.5	1.3	4.0	4.0	4.7
\$5,000 to \$20,000.....	28.8	27.4	24.8	8.6	10.2	9.8	3.2	3.4	3.0	7.9	8.0	8.2
\$20,000 to \$100,000.....	14.7	16.0	17.6	15.0	17.3	18.4	7.3	8.6	8.6	13.5	14.1	17.5
\$100,000 to \$1,000,000.....	5.3	5.3	5.6	33.9	32.3	31.4	16.6	17.6	16.1	30.6	27.9	29.7
\$1,000,000 and over.....	0.9	0.7	0.5	38.3	35.7	35.3	71.6	68.9	71.0	44.0	46.0	40.0

In 1914, 155 establishments, or 6.2 per cent of the total number in the state, each reported products exceeding \$100,000 in value, as compared with 150, or 6 per cent of the total, in 1909, and 110, or 6.1 per cent, in 1904. In 1914 these establishments reported 72.2 per cent of the total number of wage earners for the state, 88.2 per cent of the total value of products, and 74.6 per cent of the total value added by manufacture. In the same year the small establishments—those having products under \$5,000 in value—although representing 50.3 per cent of the total number of establishments, reported only 1.3 per cent of the total value of products, 4.2 per cent of the total average number of wage earners, and but 4 per cent of the value added by manufacture.

Table 16 gives, for 1914 and 1909, for eight 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.

For 1914, as compared with 1909, this table shows that for two industries—bread and other bakery products and leather goods—there were increases in the number of establishments having products under \$5,000 in value. For three other industries in this class—flour-mill and gristmill products, food preparations, and printing and publishing—there were decreases, while foundry and machine-shop products show no change. For establishments having prod-

ucts valued at \$100,000 and over, four—bread and other bakery products, food preparations, foundry and machine-shop products, and printing and publishing—show increases in average number of wage earners, value of products, and value added by manufacture. For establishments having products valued at \$1,000,000 and over, butter manufactures reported increases, both actual and proportional, in average number of wage earners, value of products, and value added by manufacture, while for slaughtering and meat packing a proportional increase is shown in all these respects, although there was an actual increase in value of products only.

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
<b>BREAD AND OTHER BAKERY PRODUCTS.</b>	333	279	100.0	100.0	1,140	646	100.0	100.0	\$5,110,961	\$3,014,091	100.0	100.0	\$2,493,771	\$1,342,240	100.0	100.0
Less than \$5,000.....	174	132	52.3	47.3	105	74	9.2	11.5	522,656	354,092	10.2	12.7	247,632	174,949	9.9	13.0
\$5,000 to \$20,000.....	138	120	41.4	43.0	292	247	25.6	38.2	1,282,424	1,060,564	25.1	35.2	567,088	482,063	22.7	36.0
\$20,000 to \$100,000.....	16	127	4.8	9.7	118	325	10.2	50.3	613,207	1,569,435	12.0	52.1	268,691	684,328	10.8	51.0
\$100,000 and over.....	25	1.5	7.5	1.5	627	.....	55.0	.....	2,692,674	.....	52.7	.....	1,410,360	.....	58.6	.....
<b>BUTTER.</b>	48	37	100.0	100.0	696	383	100.0	100.0	11,082,123	7,681,272	100.0	100.0	1,291,137	1,246,526	100.0	100.0
\$5,000 to \$20,000.....	13	11	27.1	29.7	12	13	1.7	3.4	146,597	112,399	1.3	1.5	22,181	18,357	1.7	1.5
\$20,000 to \$100,000.....	20	15	41.7	40.5	67	42	9.6	11.0	821,738	658,787	7.4	8.6	150,930	96,414	11.7	7.7
\$100,000 to \$1,000,000.....	11	8	22.9	21.6	233	143	33.5	37.3	3,397,183	2,628,082	30.7	34.2	327,023	394,471	25.3	31.6
\$1,000,000 and over.....	4	3	8.3	8.1	384	185	55.2	48.3	6,716,605	4,282,004	60.6	55.7	791,003	737,284	61.8	59.2
<b>FLOUR-MILL AND GRISTMILL PRODUCTS.</b>	211	249	100.0	100.0	682	839	100.0	100.0	15,022,126	17,835,596	100.0	100.0	2,038,893	2,618,328	100.0	100.0
Less than \$5,000.....	22	31	10.4	12.4	4	2	0.6	0.2	56,514	72,789	0.4	0.4	13,146	15,189	0.6	0.6
\$5,000 to \$20,000.....	68	47	32.2	18.9	80	35	11.7	4.2	819,499	560,447	5.5	3.1	117,297	117,799	5.8	4.5
\$20,000 to \$100,000.....	94	129	44.6	51.8	256	302	37.5	36.0	4,626,113	5,576,850	30.1	31.3	752,742	970,125	36.9	37.1
\$100,000 and over <sup>2</sup> .....	27	42	12.8	16.9	342	500	50.2	59.6	9,620,000	11,625,510	64.0	65.2	1,155,707	1,515,215	58.7	57.9
<b>FOOD PREPARATIONS, NOT ELSEWHERE SPECIFIED.</b>	23	18	100.0	100.0	283	148	100.0	100.0	3,832,614	1,021,668	100.0	100.0	970,041	294,272	100.0	100.0
Less than \$5,000.....	4	5	17.4	27.8	1	3	0.4	2.0	8,028	13,464	0.2	1.3	3,757	8,099	0.4	2.7
\$5,000 to \$20,000.....	5	6	21.7	33.3	16	20	5.6	13.5	53,126	64,060	1.4	6.3	31,043	19,361	3.2	6.6
\$20,000 to \$100,000.....	8	17	34.8	38.9	55	125	19.4	84.5	364,570	944,144	9.5	92.4	67,844	268,812	7.0	90.7
\$100,000 and over.....	6	.....	26.1	.....	211	.....	74.6	.....	3,406,890	.....	88.9	.....	867,397	.....	89.4	.....
<b>FOUNDRY AND MACHINE-SHOP PRODUCTS.</b>	80	73	100.0	100.0	1,156	1,020	100.0	100.0	4,261,801	2,929,583	100.0	100.0	1,888,739	1,413,577	100.0	100.0
Less than \$5,000.....	24	24	30.0	32.9	27	24	2.3	2.4	61,821	64,372	1.5	2.2	42,515	37,050	2.3	2.6
\$5,000 to \$20,000.....	31	28	38.8	38.4	106	134	9.2	13.1	258,192	297,960	6.0	10.2	168,335	190,055	8.9	13.4
\$20,000 to \$100,000.....	17	16	21.2	21.9	224	271	19.4	26.6	728,935	762,829	17.1	26.0	349,430	365,564	18.5	25.9
\$100,000 and over.....	28	5	10.0	6.8	799	591	68.1	57.9	3,214,853	1,804,422	75.4	61.6	1,328,459	820,908	70.3	58.1
<b>LEATHER GOODS.</b>	31	30	100.0	100.0	177	266	100.0	100.0	832,897	1,582,866	100.0	100.0	328,255	605,024	100.0	100.0
Less than \$5,000.....	15	11	48.4	36.7	9	11	5.1	4.1	43,517	33,320	5.2	2.1	20,068	17,520	6.1	2.9
\$5,000 to \$20,000.....	9	9	29.0	30.0	26	25	14.7	9.4	90,198	97,418	10.8	6.2	42,281	48,315	12.9	8.0
\$20,000 to \$100,000.....	4	4	12.9	13.3	36	32	20.3	12.0	183,028	160,316	22.0	10.1	76,273	61,910	23.2	10.2
\$100,000 to \$1,000,000.....	3	6	9.7	20.0	106	198	59.9	74.4	516,154	1,291,812	62.0	81.6	189,633	477,273	57.8	78.9
<b>PRINTING AND PUBLISHING.</b>	692	674	100.0	100.0	2,413	2,329	100.0	100.0	7,835,653	6,667,200	100.0	100.0	5,591,543	4,955,946	100.0	100.0
Less than \$5,000.....	488	489	70.5	72.6	471	488	19.5	21.0	1,186,715	1,135,248	15.2	17.0	963,019	901,897	17.2	18.2
\$5,000 to \$20,000.....	155	140	22.4	20.8	566	549	23.4	23.6	1,403,403	1,210,342	17.9	18.2	1,066,732	956,450	19.1	19.3
\$20,000 to \$100,000.....	37	33	5.4	4.9	535	562	22.2	24.1	1,741,669	1,373,699	22.2	20.6	1,211,058	949,219	21.7	19.2
\$100,000 to \$1,000,000.....	12	12	1.7	1.8	841	730	34.9	31.3	3,503,966	2,948,001	44.7	44.2	2,350,734	2,148,880	42.0	43.3
<b>SLAUGHTERING AND MEAT PACKING.</b>	10	18	100.0	100.0	5,713	6,015	100.0	100.0	104,503,333	92,305,484	100.0	100.0	10,330,745	13,947,606	100.0	100.0
\$5,000 to \$20,000.....	.....	4	.....	22.2	.....	8	.....	0.1	.....	30,725	.....	( <sup>1</sup> )	.....	13,123	.....	0.1
\$20,000 to \$100,000.....	5	3	30.0	44.4	8	23	0.2	0.4	161,673	450,651	0.2	0.5	30,766	91,354	0.3	0.7
\$100,000 and over <sup>1</sup> .....	7	6	70.0	33.3	5,705	5,984	99.8	99.5	104,341,660	91,815,108	99.8	99.5	10,299,979	13,843,129	99.7	99.2

<sup>1</sup> Includes the group "\$100,000 to \$1,000,000."  
<sup>2</sup> Includes the group "\$1,000,000 and over."  
<sup>3</sup> Includes the group "less than \$5,000."

<sup>4</sup> Less than one-tenth of 1 per cent.  
<sup>5</sup> Includes the groups "less than \$5,000" and "\$5,000 to \$20,000."

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.

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 and over. The largest proportions of total value of products for establishments in this class, 99.2 per cent and 91.5 per cent, are reported for South Omaha and Omaha, respectively, and the lowest, 50.6 per cent, for Hastings.

**Table 17**

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		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.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
GRAND ISLAND.....	49	460	100.0	\$2,100,700	100.0	\$684,458	100.0	OMAHA.....	417	8,922	100.0	\$66,438,041	100.0	\$18,372,237	100.0
Less than \$5,000.....	16	15	3.3	34,591	1.7	19,912	2.9	Less than \$5,000.....	108	79	0.9	285,907	0.4	181,747	1.0
\$5,000 to \$20,000.....	15	43	9.3	124,576	5.9	66,214	9.7	\$5,000 to \$20,000.....	156	549	6.1	1,633,606	2.5	960,942	5.2
\$20,000 to \$100,000.....	15	149	32.4	685,586	32.6	281,601	41.1	\$20,000 to \$100,000.....	84	1,086	12.2	3,693,816	5.6	1,972,790	10.8
\$100,000 to \$1,000,000.....	3	253	55.0	1,255,947	59.8	316,731	46.3	\$100,000 to \$1,000,000.....	58	4,201	47.1	17,106,031	25.7	7,737,377	42.1
HASTINGS.....	47	416	100.0	1,610,638	100.0	656,825	100.0	\$1,000,000 and over.....	11	3,007	33.7	43,715,681	65.8	7,516,381	40.9
Less than \$5,000.....	12	18	4.3	29,371	1.8	14,671	2.3	SOUTH OMAHA.....	61	6,063	100.0	106,025,436	100.0	11,565,980	100.0
\$5,000 to \$20,000.....	16	48	11.5	172,240	10.7	88,881	13.5	Less than \$5,000.....	18	17	0.3	56,229	0.1	32,735	0.3
\$20,000 to \$100,000.....	15	252	60.6	593,843	36.9	302,344	46.0	\$5,000 to \$20,000.....	18	67	1.1	201,923	0.2	113,060	1.0
\$100,000 to \$1,000,000.....	4	98	23.6	815,184	50.6	250,929	38.2	\$20,000 to \$100,000.....	13	90	1.9	603,888	0.9	236,813	2.0
LINCOLN.....	195	1,821	100.0	10,025,190	100.0	3,925,916	100.0	\$100,000 to \$1,000,000.....	6	191	3.1	1,295,369	1.2	532,098	4.6
Less than \$5,000.....	60	55	3.0	164,955	1.6	113,890	2.9	\$1,000,000 and over.....	6	5,698	94.0	103,868,035	98.0	10,651,274	92.1
\$5,000 to \$20,000.....	68	237	13.0	717,566	7.2	459,575	11.7								
\$20,000 to \$100,000.....	49	609	33.5	2,211,615	22.1	1,132,357	28.8								
\$100,000 and over.....	18	920	50.5	6,931,044	69.1	2,220,094	56.6								

1 Includes the group "\$1,000,000 and over."

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

**Table 18**

INDUSTRY AND CITY.	ESTABLISHMENTS EMPLOYING—																		
	TOTAL.		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.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.		
All industries.....	2,492	25,144	471	1,589	3,044	269	2,744	88	2,854	38	2,585	23	3,436	8	2,942	2	1,379	4	6,160
Artificial stone products.....	232	337	15	209	229	7	75	1	33										
Bread and other bakery products.....	333	1,140	81	234	396	13	117	2	72	1	61	1	108	1	386				
Brick, tile, pottery, and other clay products.....	47	502		25	78	14	160	7	179	1	85								
Butter.....	48	696	5	25	48	12	142	1	48	3	196	2	262						
Carriages and wagons and materials.....	16	109	4	9	26	1	11	2	72										
Cars and general shop construction and repairs by steam-railroad companies.....	18	4,111		1	5	2	20	2	60	1	59	8	1,199	2	745	1	656	1	1,367
Confectionery.....	12	335	1	4	10	3	45			4	280								
Dairymen's, poultrymen's, and apiarists' supplies.....	9	106	1	4	6	2	13	1	26	1	61								
Flour-mill and gristmill products.....	211	682	35	151	342	19	154	5	124	1	62								
Food preparations, not elsewhere specified.....	23	283	2	10	28	8	81	1	36	2	138								
Foundry and machine-shop products.....	80	1,156	6	52	127	11	104	6	219	3	241	1	168	1	297				
Gas, illuminating and heating.....	48	354	11	31	64	4	41	1	40			1	209						
Leather goods.....	31	177	5	19	29	4	42	3	106										
Liquors, malt.....	14	488	1	2	9	4	37	3	121	3	191	1	130						
Lumber and timber products.....	51	506	3	30	61	12	159	4	140	2	146								
Marble and stone work.....	53	143	14	31	54	7	66	1	23										
Printing and publishing.....	692	2,413	189	434	827	50	541	12	408	5	371	2	266						
Slaughtering and meat packing.....	10	5,713	1	2	5	2	14									1	723	3	4,793
Tobacco, cigars.....	120	505	35	65	142	14	169	6	194										
All other industries.....	444	5,388	62	251	558	80	753	30	953	11	694	6	916	4	1,514				
Total for cities.....	769	17,682	121	364	912	155	1,592	74	2,267	30	2,022	16	2,357	4	1,649	1	723	4	6,160
GRAND ISLAND.....	49	460	5	31	76	10	110	1	29	1	55	1	190						
HASTINGS.....	47	416	4	25	64	12	145	6	207										
LINCOLN.....	195	1,821	29	106	270	35	357	18	559	5	344	2	291						
OMAHA.....	417	8,922	74	172	423	87	900	46	1,375	21	1,444	12	1,764	4	1,649			1	1,367
SOUTH OMAHA.....	61	6,063	9	30	79	11	80	3	97	3	179	1	112			1	723	3	4,793

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.

Of the 2,492 establishments reported for all manufacturing industries in the state, 471, or 18.9 per cent, employed no wage earners in 1914. These are small establishments in which the work is done by the pro-

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prietors or firm members, or persons classed as salaried employees. Where wage earners were reported the number was so small and the term of employment so short that in computing the average, as described in "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 still predominate in the majority of the industries of the state; 1,858, or 74.6 per cent,

employed on the average less than 20 wage earners during the year. There were only 37 establishments that reported the employment of more than 100 wage earners each, but these establishments gave employment to 55.3 per cent of the total average number of wage earners reported for all establishments. Steam-railroad repair shops and slaughtering and meat packing are the only industries reporting more than 500 wage earners.

Table 19

INDUSTRY AND CITY.	Cen- sus year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.							INDUSTRY AND CITY.	Cen- sus 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	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 1909	12.1 12.5	10.9 13.4	11.3 11.1	10.3 10.9	13.7 8.7	11.7 11.8	5.5 5.1	24.5 26.5	Gas, illuminating and heating..	1914 1909	18.1 12.2	11.6 4.8	11.3 .....	..... 12.8	59.0 70.2	..... .....	..... .....	..... .....	..... .....	..... .....
Artificial stone products.....	1914 1909	68.0 61.1	22.2 30.9	8.8 8.0	..... .....	..... .....	..... .....	..... .....	..... .....	Leather goods.....	1914 1909	16.4 10.5	23.7 22.6	59.9 66.9	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....
Bread and other bakery prod- ucts.....	1914 1909	34.7 54.3	10.3 20.6	6.3 3.4	5.3 21.7	9.5 .....	33.9 .....	..... .....	..... .....	Liquors, malt.....	1914 1909	1.8 2.1	7.6 14.4	24.8 5.7	39.1 77.8	26.6 .....	..... .....	..... .....	..... .....	..... .....	..... .....
Brick, tile, pottery, and other clay products.....	1914 1909	15.5 14.5	31.9 30.5	35.7 35.4	16.9 19.6	..... .....	..... .....	..... .....	..... .....	Lumber and timber products...	1914 1909	12.1 9.6	31.4 31.5	27.7 19.5	28.8 39.4	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....
Butter.....	1914 1909	6.9 11.5	20.4 21.1	6.9 18.0	28.2 49.3	37.6 .....	..... .....	..... .....	..... .....	Marble and stone work.....	1914 1909	37.8 38.5	46.1 31.0	16.1 .....	..... 30.5	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....
Carriages and wagons and ma- terials.....	1914 1909	23.9 10.0	10.1 39.0	66.0 18.5	32.5 .....	..... .....	..... .....	..... .....	..... .....	Printing and publishing.....	1914 1909	34.3 34.7	22.4 23.4	16.9 18.4	15.4 15.2	11.0 8.3	..... .....	..... .....	..... .....	..... .....	..... .....
Cars and general shop construc- tion and repairs by steam- railroad companies.....	1914 1909	0.1 .....	0.5 .....	1.4 1.8	1.4 6.6	29.2 6.6	18.1 33.5	16.0 13.8	33.3 37.7	Slaughtering and meat packing..	1914 1909	0.1 0.4	0.2 0.2	..... .....	..... .....	3.1 3.0	..... .....	12.7 12.2	83.9 84.2	..... .....	..... .....
Confectionery.....	1914 1909	3.0 4.2	13.4 5.7	..... 7.3	83.6 46.8	..... 36.0	..... .....	..... .....	..... .....	Tobacco, cigars.....	1914 1909	28.1 24.0	33.5 37.2	38.4 38.7	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....
Dairymen's, poultrymen's, and apiarists' supplies.....	1914 1909	5.7 5.2	12.3 22.2	24.5 30.9	57.5 41.7	..... .....	..... .....	..... .....	..... .....	All other industries.....	1914 1909	10.4 11.1	14.0 15.9	17.7 18.0	12.9 13.7	17.0 19.6	28.1 21.8	..... .....	..... .....	..... .....	..... .....
Flour-mill and gristmill prod- ucts.....	1914 1909	50.1 40.8	22.6 36.5	18.2 .....	9.1 7.2	15.5 .....	..... .....	..... .....	..... .....	Total for cities.....	1914	5.2	9.0	12.8	11.4	13.3	9.3	4.1	34.8	.....	.....
Food preparations, not else- where specified.....	1914 1909	9.9 18.9	28.6 24.3	12.7 56.8	48.8 .....	..... .....	..... .....	..... .....	..... .....	GRAND ISLAND.....	1914	16.5	23.9	6.3	12.0	41.3	.....	.....	.....	.....	.....
Foundry and machine-shop products.....	1914 1909	11.0 7.5	9.0 23.6	18.9 19.8	20.8 .....	14.5 16.3	25.7 32.7	..... .....	..... .....	HASTINGS.....	1914	15.4	34.9	49.8	.....	.....	.....	.....	.....	.....	.....
										LINCOLN.....	1914	14.8	19.6	30.7	18.9	16.0	.....	.....	.....	.....	.....
										OMAHA.....	1914	4.7	10.1	15.4	16.2	19.8	18.5	.....	15.3	.....	
										SOUTH OMAHA.....	1914	1.3	1.3	1.6	3.0	1.8	.....	11.9	79.1	.....	

Among the cities the highest percentage of the total number of wage earners reported by establishments employing more than 100 wage earners is shown for South Omaha, 92.8 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.

Table 20

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1914	1909	1904	Amount.			Per cent distribution.		
				1914	1909	1904	1914	1909	1904
Primary power, total.....	4,296	2,694	1,010	90,192	64,466	46,372	100.0	100.0	100.0
Owned.....	1,393	1,366	1,010	70,464	56,726	43,881	78.2	88.0	94.6
Steam engines and turbines.....	531	537	516	58,066	44,882	34,625	64.4	69.6	74.7
Internal-combustion engines.....	754	686	334	6,724	4,408	2,035	7.5	6.8	4.4
Water wheels, turbines, and motors.....	108	143	160	5,674	7,436	7,221	6.3	11.5	15.6
Rented.....	2,903	1,328	( <sup>2</sup> )	19,728	7,740	2,491	21.8	12.0	5.4
Electric.....	2,903	1,328	( <sup>2</sup> )	19,701	7,530	2,364	21.8	11.7	5.1
Other.....				27	210	127	( <sup>3</sup> )	0.3	0.3
Electric.....	4,145	1,940	( <sup>2</sup> )	33,720	15,942	8,126	100.0	100.0	100.0
Rented.....	2,903	1,328	( <sup>2</sup> )	19,701	7,530	2,364	58.4	47.2	29.1
Generated by establishments reporting.....	1,242	612	300	14,019	8,412	5,762	41.6	52.8	70.9

<sup>1</sup> Figures for horsepower include for 1909 and 1904 the amounts reported under the head of "other" owned power.

<sup>2</sup> Not reported.

<sup>3</sup> Less than one-tenth of 1 per cent.

This table shows an increase in primary power amounting to 25,726 horsepower, or 39.9 per cent, from 1909 to 1914, nearly 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 5.4 per cent of the total primary power reported. In 1909 the amount of rented power had increased to 12 per cent of the total and in 1914 to 21.8 per cent of the total. 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 70.9 per cent of the total electric power in 1904, but only 41.6 per cent in 1914.

In spite of the great increase in rented power, owned power increased by 60.6 per cent during the decade 1904-1914 and by 24.2 per cent during the last five-year period.

The use of internal-combustion engines increased rapidly during the decade, but not so rapidly as that of rented electric power. The horsepower of such engines, however, represented only about 7.5 per cent of the total primary power in 1914.

During the last five-year period there was a considerable decrease in the horsepower of water wheels, turbines, and motors, which in 1914 formed 6.3 per cent of the total primary power.

**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 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.

INDUSTRY AND CITY.	COAL.				Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil including gasoline (barrels).	
All industries.....	40,932	644,175	29,737	169,573	46,439
Artificial stone products.....	17	901	3	372	5
Bread and other bakery products.....	1,286	6,265	2,627	2,766	2,788
Brick, tile, pottery, and other clay products.....		36,441	40	457	106
Butter.....	20	23,223	1,800	21,266	
Carriages and wagons and materials.....	7	573	3	310	538
Cars and general shop construction and repairs by steam-railroad companies.....	147	128,979	509	52,630	202
Confectionery.....	6	2,282	329	5	1,154
Dairymen's, poultrymen's, and apiarist's supplies.....	1	1,298		29	
Flour-mill and gristmill products.....	50	33,067	4	22,059	300
Food preparations, not elsewhere specified.....	426	3,664	250	459	720
Foundry and machine-shop products.....	2	5,131	2,555	1,626	266
Gas, illuminating and heating.....	413	11,465	7,459	32,721	
Ice, manufactured.....		16,540		6,299	
Leather goods.....	36	582		14	440
Liquors, malt.....	37	14,948		11	
Lumber and timber products.....	30	2,606		196	362
Marble and stone work.....	10	608	8	176	30
Printing and publishing.....	446	6,597	29	858	15,643
Slaughtering and meat packing.....		245,354			9,143
All other industries.....	37,998	93,651	14,121	27,324	14,842
Total for cities.....	2,375	475,221	26,389	99,058	44,177
GRAND ISLAND.....	366	7,913	132	4,016	451
HASTINGS.....	21	6,404	1,470	2,876	9,804
LINCOLN.....	267	27,536	4,560	19,299	4,635
OMAHA.....	1,702	182,393	20,079	72,779	19,213
SOUTH OMAHA.....	19	250,975	148	118	10,024

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 four important industries in Nebraska are here presented, together with statistics for power laundries.

**Slaughtering and meat packing.**—This classification includes wholesale slaughtering and meat-packing establishments. The following table gives, for 1914 and 1909, the kind, number, and cost of the animals slaughtered, and the cost of all other materials, which includes the cost of dressed meat purchased for curing and making lard compounds and substitutes, ice, containers, curing materials, seasoning, cottonseed oil, fuel, rent of power, mill supplies, and freight; and the quantities and values of the various products manufactured, except other oils, soap stock, canned sausage, oleomargarine, hoofs, horns, etc., glue, and all other skins, which are included in "all other products," to avoid the disclosure of individual reports.

	1914	1909
MATERIALS.		
Total cost.....	\$94,172,558	\$78,345,576
Animals slaughtered:		
Beeves—		
Number.....	491,632	651,258
Cost.....	\$37,350,524	\$32,069,207
Calves—		
Number.....	23,914	58,158
Cost.....	\$481,256	\$637,158
Sheep and lambs—		
Number.....	1,797,072	1,127,962
Cost.....	\$9,563,543	\$5,429,148
Hogs—		
Number.....	2,105,510	2,103,602
Cost.....	\$40,852,237	\$32,535,715
All other materials, cost <sup>1</sup> .....	\$5,025,028	\$7,674,348
PRODUCTS.		
Total value.....	\$104,503,333	\$92,262,759
Fresh meat:		
Beef—		
Pounds.....	272,491,272	354,358,419
Value.....	\$30,703,764	\$26,014,613
Veal—		
Pounds.....	3,419,343	7,000,474
Value.....	\$432,793	\$664,563
Mutton and lamb—		
Pounds.....	72,208,015	45,101,837
Value.....	\$7,803,765	\$4,076,961
Pork—		
Pounds.....	97,872,530	98,834,601
Value.....	\$11,527,798	\$8,624,522
Edible offal and all other fresh meat—		
Pounds.....	20,026,468	5,319,504
Value.....	\$1,160,913	\$343,573

<sup>1</sup> Includes cost of dressed meat purchased for curing, to avoid disclosure of individual operations.

Table 22—Continued.	1914	1909
PRODUCTS—continued.		
Cured meat:		
Beef, pickled, and other cured—		
Pounds.....	4,045,897	6,750,949
Value.....	\$614,913	\$629,441
Pork, pickled, and other cured—		
Pounds.....	202,562,434	184,213,423
Value.....	\$26,651,723	\$20,252,674
Canned goods:		
Pounds.....	1,304,565	8,469,281
Value.....	\$266,314	\$977,177
Sausage:		
Pounds.....	12,267,326	27,535,144
Value.....	\$1,739,912	\$2,086,149
Lard:		
Pounds.....	66,505,695	89,851,980
Value.....	\$7,204,757	\$9,163,052
Lard compounds and substitutes:		
Pounds.....	14,906,893	(1)
Value.....	\$1,245,656	(1)
Oleo oil:		
Gallons.....	2,001,199	1,280,340
Value.....	\$1,343,862	\$1,089,062
Tallow, oleo stock, and stearin:		
Pounds.....	11,908,723	20,525,345
Value.....	\$326,055	\$1,757,624
Sausage casings:		
Pounds.....	5,032,975	(1)
Value.....	\$553,568	(1)
Fertilizer and fertilizer materials:		
Tons.....	20,198	24,469
Value.....	\$663,468	\$579,591
Hides and pelts:		
Cattle—		
Number.....	491,632	
Pounds.....	29,165,696	687,031
Value.....	\$5,033,251	\$9,975,521
Calf—		
Number.....	17,018	\$5,439,014
Pounds.....	350,787	
Value.....	\$67,522	
Sheep—		
Number.....	1,796,985	1,127,937
Value.....	\$2,058,889	\$1,410,685
All other products, value.....	\$4,600,410	\$8,274,038

<sup>1</sup> Not reported separately.

There was an increase in the cost of materials during the census period shown in the table of \$15,827,012, or 20.2 per cent, and in the value of products of \$12,220,574, or 13.2 per cent. These increases are largely due to the advanced cost of materials and value of products. There was an actual decrease in the number of beeves and calves slaughtered, while there was an advance in the average cost of these animals, and although there was only a slight increase in the number of hogs, there was a large increase in their cost. The number of sheep and lambs, however, shows a marked increase, but the cost of these animals advanced in much greater proportion.

**Flour-mill and gristmill products.**—A comparison of quantity, rather than value, will best indicate the output of wheat flour in the state for the year 1914. The following table gives the quantity and value of products for 1914, 1909, and 1904.

Wheat flour combined with bran and middlings formed 87.8 per cent of the total value of products for this industry in 1914. There was an increase over 1909 of 115,547 barrels of wheat flour, or 5.1 per cent, while the value decreased \$506,464, or 4.4 per cent. Feed and offal and bran and middlings decreased in value 22.9 per cent and corn meal and corn flour 42.5 per cent, and the total industry for the state, when compared with 1909, shows a decrease of 15.8 per cent. This decrease in value of products in 1914 was

due to the depression in prices during the year. The equipment reported for the state for the year was 1,232 stands of rolls, 36 runs of stone, and 70 attrition mills. One establishment manufactured barrels, and four made sacks.

Table 23	1914	1909	1904
Total value.....	\$15,022,120	\$17,835,596	\$12,190,303
Wheat flour:			
Barrels.....	2,383,097	2,267,550	1,730,998
Value.....	\$10,944,855	\$11,451,319	\$7,939,735
Rye flour:			
Barrels.....	22,515	26,475	61,059
Value.....	\$101,140	\$120,425	\$198,749
Buckwheat flour:			
Pounds.....	74,572	281,389	224,660
Value.....	\$3,412	\$10,842	\$7,276
Corn meal and corn flour:			
Barrels.....	230,968	425,413	542,099
Value.....	\$702,795	\$1,222,670	\$1,133,437
Bran and middlings:			
Tons.....	109,741		
Value.....	\$2,250,742		
Feed and offal:			
Tons.....	39,562	169,062	169,111
Value.....	\$951,340	\$4,151,898	\$2,500,182
Breakfast foods:			
Pounds.....	133,560		
Value.....	\$4,114		
All other cereal products, value.....	\$35,313	\$822,708	\$93,824
All other products, value.....	\$28,415	\$55,734	\$317,100

<sup>1</sup> Barley meal, and hominy and grits included in "all other cereal products."

**Butter.**—As will be seen by the following table, which gives the quantity and value of butter manufactures in the state for 1914, 1909, and 1904, this industry has experienced a decided increase during the past 10 years.

Table 24	1914	1909	1904
Total value.....	\$11,082,123	\$7,681,272	\$3,326,110
Butter:			
Pounds.....	36,343,424	23,973,162	16,035,468
Value.....	\$10,001,032	\$6,570,084	\$3,164,300
Packed solid—			
Pounds.....	20,429,859	13,652,328	10,573,016
Value.....	\$5,519,611	\$3,654,578	\$2,074,694
Prints or rolls—			
Pounds.....	15,913,565	10,320,834	5,462,452
Value.....	\$4,481,421	\$2,915,506	\$1,089,606
Cream sold:			
Pounds.....	914,003	281,811	1,077,068
Value.....	\$74,687	\$27,149	\$80,497
All other products, value.....	\$1,006,404	\$1,084,039	\$81,313

A report was received from only one cheese factory in 1914 and from one establishment engaged in the manufacture of condensed milk, which is the first time this branch of the industry has been represented in the state, so separate figures could not be shown for these industries. The value of their products, therefore, and that for several cheese factories from which reports were received in 1909 and 1904, are incorporated with that of "all other products."

There has been a reduction in the milk reported as material from 157,978,290 pounds in 1904 to 9,473,066 pounds in 1914; on the other hand, the use of cream has increased from 32,312,868 pounds in 1904 to 112,155,855 pounds in 1914. This condition is due to the increase in the manufacture of butter and to an accompanying decrease in the manufacture of cheese.

During the decade 1904-1914 there was an increase in the total value of products of \$7,756,013, or 233.2 per cent, due almost entirely to the increase in the manufacture of butter in 1914, which forms 90 per cent of the total value of products of the industry. The total amount of butter manufactured has increased during this period 20,307,956 pounds, or 126.6 per cent. Of this, the quantity reported as "packed solid"—that is, put up in firkins or tubs—gained 9,856,843 pounds, or 93.2 per cent, and that put up in "prints or rolls" shows a gain of 10,451,113 pounds, or 191.3 per cent.

**Printing and publishing.**—Table 25 shows the number and aggregate circulation per issue for the different classes of newspaper and periodical publications in Nebraska for 1914, 1909, and 1904.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1914	1909	1904	1914	1909	1904
Total.....	650	623	636	3,003,305	2,303,151	1,874,362
Daily.....	34	34	31	329,840	262,109	185,835
Sunday.....	12	8	8	187,287	129,050	99,779
Weekly.....	538	521	535	916,257	1,074,554	861,840
Semiweekly and triweekly.....	19	16	18	38,219	31,085	24,730
Monthly.....	37	35	39	1,354,598	684,513	399,444
All other classes.....	10	9	5	177,104	121,840	302,734

<sup>1</sup> Includes six semimonthlies, one bimonthly, and three quarterlies.

While there was no increase in the number of daily newspapers during the semidecade 1909 to 1914, their circulation increased 67,731, or 25.8 per cent. Twenty-three of these newspapers, with a circulation of 220,182, were issued in the evening. The Sunday circulation increased 58,237, or 45.1 per cent. The circulation of the weeklies decreased, but there was a very large increase—670,085, or 97.9 per cent—in the circulation of the monthly publications, the greater part of which was due to the growth of those that were issued in the interest of fraternal orders.

One daily and 1 Sunday newspaper were printed in German. Of the weeklies, 33 were printed in foreign languages—12 in Bohemian, 10 in German, 6 in Danish, 2 each in Italian and Swedish, and 1 in English-and-German. Of the 3 foreign semiweeklies, 1 each was in Bohemian, German, and Polish; of the monthly publications, 3 were in German and 1 each in Danish and Swedish. Of the other publications, 3 semimonthlies were printed in German and 1 in Bohemian, and 2 quarterlies in German and 1 in Danish.

**Laundries.**—Statistics for power laundries are not included in the general tables or in the totals for all manufacturing industries. Table 26, however, summarizes these statistics for Nebraska for 1914 and 1909.

In 1914 Nebraska ranked twenty-fourth among the states in amount received for work done and twenty-seventh in number of persons engaged in the industry. The table shows increases in all but two of the items given—number of establishments and salaried employees—which show decreases of 2.6 and 15 per cent, respectively. Amount received for work done shows an increase of 26.8 per cent, and average number of wage earners an increase of 17.4 per cent. Establishments owned by individuals reported 26.4 per cent of the amount received for work done; those owned by corporations, 54.9 per cent; and those under other forms of ownership, 18.7 per cent.

	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase <sup>1</sup> 1909-1914.
	1914	1909	
Number of establishments.....	74	76	.....
Persons engaged.....	1,490	1,314	13.4
Proprietors and firm members.....	85	84	.....
Salaried employees.....	102	120	-15.0
Wage earners (average number).....	1,303	1,110	17.4
Primary horsepower.....	1,779	1,510	17.8
Capital.....	\$995,413	\$871,600	14.2
Salaries and wages.....	746,833	554,245	34.7
Salaries.....	133,644	117,467	13.8
Wages.....	613,189	436,778	40.4
Paid for contract work.....	833	839	4.9
Rent and taxes.....	43,213	21,919	97.1
Cost of materials.....	372,039	255,039	45.5
Amount received for work done.....	1,517,924	1,197,374	26.8

<sup>1</sup> A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

Table 27 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.

MONTH.	WAGE EARNERS.			
	Number.		Per cent of maximum.	
	1914	1909	1914	1909
January.....	1,268	1,041	94.1	89.1
February.....	1,269	1,050	94.2	89.9
March.....	1,286	1,061	95.5	90.8
April.....	1,280	1,074	95.0	92.0
May.....	1,322	1,080	98.1	92.5
June.....	1,347	1,114	100.0	95.4
July.....	1,338	1,143	99.3	97.9
August.....	1,324	1,168	98.3	100.0
September.....	1,314	1,162	97.6	99.5
October.....	1,299	1,148	96.4	98.3
November.....	1,292	1,135	95.9	97.2
December.....	1,303	1,140	96.7	97.0

Table 28 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 28**

POWER.	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
	1914	1909	Amount.		Per cent of increase, <sup>1</sup> 1909-1914.
			1914	1909	
Primary power, total.....	107	112	1,779	1,510	17.8
Owned.....	70	70	1,625	1,354	20.0
Steam.....	56	57	1,355	1,282	5.7
Internal combustion.....	14	13	270	72	—
Rented—Electric.....	37	42	154	156	-1.3
Electric—Generated in establishments reporting.....	47	4	143	3	—

<sup>1</sup> A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

Table 29 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 29**

KIND.	Unit.	QUANTITY.		Per cent of increase, <sup>1</sup> 1909-1914.
		1914	1909	
Anthracite coal.....	Tons, 2,240 lbs.....	320	—	—
Bituminous coal.....	Tons, 2,000 lbs.....	20,386	17,554	16.1
Coke.....	Tons, 2,000 lbs.....	115	28	—
Oil.....	Barrels.....	469	649	-27.7
Gas.....	1,000 cubic feet.....	4,624	6,046	-23.5

<sup>1</sup> A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

GENERAL TABLES.

Table 30 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 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 31 presents, for 1914, in the state as a whole and in the city having more than 50,000 inhabitants, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments; and for the cities having from 10,000 to 50,000 inhabitants, for all industries combined.

TABLE 30.—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.	INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1914	2,492	25,144	90,192	\$16,893	\$174,114	\$221,616	Flour-mill and gristmill products.	1914	211	682	17,830	\$514	\$12,983	\$15,022
	1909	2,500	24,336	84,466	13,948	151,081	199,019		1909	249	839	19,907	519	15,217	17,836
	1904	1,810	20,260	46,372	11,022	124,052	154,918		1904	234	863	17,951	468	10,153	12,190
Artificial stone products	1914	232	337	842	215	340	803	Food preparations, not elsewhere specified.	1914	23	283	2,653	160	2,863	3,833
	1909	286	553	563	337	514	1,226		1909	18	148	876	77	727	1,022
	1904	26	83	25	45	66	150		1904	5	26	—	16	131	279
Bread and other bakery products.	1914	333	1,140	999	682	2,617	5,111	Foundry and machine-shop products.	1914	* 80	1,156	2,170	800	2,375	4,262
	1909	279	846	342	373	1,672	3,014		1909	73	1,020	1,399	595	1,516	2,930
	1904	138	383	183	188	720	1,351		1904	* 46	518	715	287	428	1,092
Brick, tile, pottery, and other clay products.	1914	147	502	3,772	311	179	669	Fur goods.....	1914	9	82	61	43	129	294
	1909	79	836	4,088	469	282	1,173		1909	6	41	17	19	92	173
	1904	99	905	3,510	471	277	1,132		1904	5	53	5	28	64	116
Brooms.....	1914	14	154	143	57	219	425	Gas, illuminating and heating.	1914	48	354	1,620	227	606	1,928
	1909	15	77	79	30	270	523		1909	48	400	1,015	209	445	1,415
	1904	—	—	—	—	—	—		1904	25	302	1,461	142	240	912
Butter.....	1914	48	696	11,787	486	9,791	11,082	Ice, manufactured.....	1914	18	102	1,704	68	121	330
	1909	37	383	1,032	256	6,435	7,681		1909	7	30	1,103	21	40	125
	1904	40	253	801	137	2,072	3,326	Leather goods.....	1914	4 31	177	188	131	505	833
Carriages and wagons and materials.	1914	16	109	280	83	99	265		1909	30	266	148	197	978	1,583
	1909	22	200	224	131	251	577		1904	22	247	142	146	536	983
	1904	20	150	101	87	128	318	Liquors, malt.....	1914	14	488	3,489	345	906	3,012
Cars and general shop construction and repairs by steam-railroad companies.	1914	18	4,111	7,895	3,511	2,863	6,737		1909	14	424	2,938	290	625	3,335
	1909	13	3,685	6,616	2,271	1,724	4,642		1904	16	295	1,826	186	459	1,664
	1904	30	3,245	4,210	2,109	1,917	4,395	Lumber and timber products.	1914	* 51	506	1,776	361	858	1,529
Coffee, roasting and grinding.	1914	6	98	545	40	1,045	1,262		1909	48	543	1,343	356	1,226	2,021
	1909	5	76	150	29	811	1,000		1904	* 27	356	1,119	234	264	645
Confectionery.....	1914	12	335	468	132	661	1,066	Marble and stone work..	1914	53	143	382	125	460	841
	1909	18	383	241	127	705	1,176		1909	38	187	315	150	331	721
	1904	10	254	68	87	201	542		1904	15	121	43	92	141	366
Dairymen's, poultrymen's, and apiarists' supplies.	1914	9	106	405	63	231	397	Mattresses and spring beds.	1914	6	77	1,049	51	215	315
	1909	16	230	345	135	459	941		1909	6	113	96	58	217	355
	1904	8	107	94	57	95	247		1904	5	36	31	16	50	100

<sup>1</sup> Includes "sand-lime brick."  
<sup>2</sup> Includes "automobile repairing;" "bells;" "engines, steam, gas, and water;" "gas machines and gas and water meters;" "hardware;" "hardware, saddlery;" and "structural ironwork, not made in steel works or rolling mills."  
<sup>3</sup> Excludes statistics for two establishments, to avoid disclosure of individual operations.  
<sup>4</sup> Includes "saddlery and harness" and "trunks and valises."  
<sup>5</sup> Includes "boxes, wooden packing;" "lumber, planing-mill products, not including planing mills connected with saw mills;" and "window and door screens and weather strips."

MANUFACTURES—NEBRASKA.

TABLE 30.—COMPARATIVE SUMMARY FOR 1914, 1909, and 1904—Continued.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of ma- terials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of ma- terials.	Value of prod- ucts.
<b>THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.</b>															
Mineral and soda waters	1914	63	105	185	\$64	\$175	\$435	Slaughtering and meat- packing.	1914	10	5,713	15,486	\$3,697	\$94,173	\$104,503
	1909	59	102	164	53	153	393		1909	18	6,015	11,873	3,372	78,358	92,305
	1904	38	53	62	28	52	176		1904	9	5,590	6,328	3,159	61,278	69,329
Optical goods.....	1914	7	48	27	28	166	331	Tobacco, cigars.....	1914	120	505	8	249	449	1,033
	1909	5	34	9	20	67	146		1909	151	537	1	270	469	1,072
	1904	3	16	7	9	16	35		1904	167	516	.....	238	338	900
Paints.....	1914	6	67	400	45	624	658	All other industries....	1914	315	4,655	10,825	2,753	36,211	46,504
	1909	4	112	425	68	849	1,254		1909	282	4,127	6,515	2,119	34,937	43,713
	1904	3	40	170	19	237	347		1904	207	3,805	5,773	1,680	42,295	49,332
Printing and publish- ing.	1914	1,692	2,413	3,203	1,652	2,244	7,836								
	1909	674	2,329	2,552	1,397	1,711	6,607								
	1904	631	2,073	1,687	1,093	1,294	4,991								

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

OMAHA—All in- dustries.	1914	417	8,922	20,679	\$5,810	\$48,066	\$66,438	Foundry and machine- shop products.	1914	* 19	527	791	\$361	\$952	\$1,708
	1909	432	8,023	16,037	4,837	43,415	60,855		1909	23	364	610	218	635	1,133
	1904	318	5,822	.....	3,204	42,893	54,004		1904	18	328	.....	184	253	673
Bread and other bakery products.	1914	64	763	718	437	1,594	3,239	Liquors, malt.....	1914	5	298	2,023	210	574	2,019
	1909	65	304	181	188	828	1,515		1909	5	246	1,780	196	396	2,272
	1904	29	192	.....	91	325	657		1904	5	171	.....	126	320	1,141
Butter.....	1914	5	261	775	173	4,324	4,841	Lumber and timber products.	1914	* 14	260	721	190	377	657
	1909	4	152	320	128	3,104	3,786		1909	15	258	555	183	908	1,346
	1904	4	71	.....	46	1,005	1,229		1904	* 5	201	.....	137	149	354
Confectionery.....	1914	6	228	346	89	448	737	All other industries....	1914	304	6,585	15,305	4,350	39,797	53,237
	1909	5	267	181	85	413	719		1909	315	6,432	12,410	3,859	37,131	50,084
	1904	4	182	.....	60	135	381		1904	253	4,677	.....	2,560	40,706	49,569

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

GRAND ISLAND.....	1914	49	460	1,018	\$342	\$1,416	\$2,101	SOUTH OMAHA.....	1914	61	6,063	16,469	\$3,925	\$94,459	\$106,025
	1909	43	576	730	349	908	1,674		1909	71	6,308	11,859	3,544	77,673	92,436
	1904	.....	.....	.....	.....	.....	.....		1904	41	5,662	.....	3,210	59,193	67,415
LINCOLN.....	1914	195	1,821	5,249	1,208	6,099	10,025								
	1909	167	2,140	2,206	1,056	3,864	7,010								
	1904	123	1,617	.....	853	2,691	5,223								

<sup>1</sup> Includes "bookbinding and blank-book making" and "engraving, steel and copper plate, including plate printing."  
<sup>2</sup> Includes "bells," "hardware," and "structural ironwork, not made in steel works or rolling mills."  
<sup>3</sup> Includes "boxes, wooden packing;" "lumber, planing-mill products, not including planing mills connected with sawmills;" and "window and door screens and weather strips."  
<sup>4</sup> Excludes statistics for two establishments, to avoid disclosure of individual operations.  
<sup>5</sup> 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.

MANUFACTURES—NEBRASKA.

TABLE 31.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

INDUSTRY.	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—			Male.	Female.	Male.	Female.			
								Maximum month.	Minimum month.								
1 All industries.....	2,492	33,695	2,472	1,334	3,539	1,156	25,144	Au 26,795	Fe 23,704	(*)	(*)	(*)	(*)	(*)	\$121,007,944		
2 Artificial stone products.....	232	664	261	52	9	5	337	My 538	Ja 88	498	497	1			747,892		
3 Automobile bodies and parts.....	7	50	9	3	1	3	34	Ap 44	Ja 25	26	23	3			92,898		
4 Automobile repairing.....	4	13	5				8	Ja 10	No 6	6	6				11,625		
5 Awnings, tents, and sails.....	8	98	7	10	10	3	68	Jy 91	No 54	63	26	37			152,776		
6 Boxes, wooden packing.....	8	90	5	2	2	4	77	My 87	No 68	82	82				135,091		
7 Bread and other bakery products.....	333	1,736	382	28	117	69	1,140	Au 1,193	Ja 1,049	1,206	807	391	3	5	2,079,518		
8 Brick, building brick, drain tile, and fireproofing terra cotta.....	44	574	41	35	9		489	Jy 761	De 176	762	750		12		2,153,371		
9 Brooms, from broom corn.....	14	223	18	9	38	4	154	De 185	Se 116	163	149	14			333,418		
10 Butter.....	48	966	18	83	90	79	696	Je 1,004	Fe 539	594	455	139			5,750,795		
11 Canning and preserving, fruits and vegetables.....	14	232	9	13	1		209	Au 1,188	Ja 8	868	514	346	8		394,116		
12 Carpets, rag.....	7	23	7				16	My 23	Fe 10	18	15	3			19,470		
13 Carriage and wagon materials.....	5	12	4	1	1		6	(*)	(*)	6	5	1			18,323		
14 Carriages, wagons, and repairs.....	11	132	11	8	7	3	103	Ja 140	Oc 78	79	78	1			436,857		
15 Cars and general shop construction and repairs by steam-railroad companies.....	18	4,401		141	138	11	4,111	Oc 4,272	Ap 3,924	4,185	4,185				7,335,318		
16 Cleansing and polishing preparations.....	3	5	2	1		1	1	De 2	My 1	2	2				1,436		
17 Coffee, roasting and grinding.....	6	148		18	18	14	98	No 105	Ja 88	101	32	69			404,989		
18 Confectionery and ice cream.....	43	574	40	28	88	19	399			458	209	249			924,904		
19 Confectionery.....	12	453	8	19	78	13	335	No 411	Jy 281	384	138	246			719,178		
20 Ice cream.....	31	121	32	9	10	6	64	Jy 102	Ja 38	74	71	3			205,726		
21 Copper, tin, and sheet-iron work.....	38	223	39	10	4	5	165	Jy 204	Fe 126	157	156	1			313,779		
22 Dairymen's, poultrymen's, and apiarists' supplies.....	9	228	11	8	16	87	106	Mh 218	Jy 45	207	207				332,037		
23 Druggists' preparations.....	11	83	7	12	11	2	51	Se 54	Ja 47	53	50	3			274,556		
24 Electroplating.....	4	21	2	6	1	1	11	No 15	Ja 10	13	13				10,695		
25 Flour-mill and gristmill products.....	211	1,218	249	108	145	34	682	Se 711	My 651	720	718	2			8,025,463		
26 Food preparations, not elsewhere specified.....	23	472	18	22	101	48	283			325	269	55	1		1,613,895		
27 Macaroni, sirups, and other preparations for human consumption.....	11	230	12	11	61	37	109	Oc 141	Fe 83	121	76	44	1		758,903		
28 For animals and fowls.....	12	242	6	11	40	11	174	Se 198	My 146	204	193	11			854,992		
29 Foundry and machine-shop products.....	64	1,037	62	46	141	53	735			689	687	1	1		3,075,921		
30 Boiler shops and foundries.....	5	26	7	1	4	1	13	Oc 19	Ja 4	15	14	1			75,082		
31 Machine shops.....	59	1,011	55	45	137	52	722	My 788	No 633	674	673		1		3,000,839		
32 Fur goods.....	9	110	6	10	5	7	82	De 120	My 65	118	61	57			147,760		
33 Furniture.....	9	189	2	15	6	6	140			128	125	2	1		173,459		
34 Wood, including rattan and willow.....	5	125	1	8	4	4	108	Mh 120	Oc 91	94	91	2	1		115,950		
35 Store and office fixtures.....	4	44	1	7	2	2	32	No 37	Ja 26	34	34				57,509		
36 Gas, illuminating and heating.....	48	527	13	38	99	23	354	Je 412	No 312	317	316	1			11,077,327		
37 Ice, manufactured.....	18	150	11	20	13	4	102	Jy 166	Ja 48	110	109	1			901,519		
38 Jewelry.....	5	41	6	2		2	81	No 34	Mh 29	32	28	2	2		37,721		
39 Liquors, malt.....	14	604	8	49	52	7	488	Je 604	Ja 410	479	479				4,674,424		
40 Lumber, planing-mill products, not including planing mills connected with sawmills.....	37	522	27	31	38	13	413	Au 451	Ja 377	407	403	3	1		1,436,082		
41 Marble and stone work.....	53	261	68	17	27	6	143	Je 163	Fe 108	150	150				750,361		
42 Mattresses and spring beds.....	6	96	4	7	4	4	77	De 82	Jy 71	83	83	15			172,804		
43 Mineral and soda waters.....	63	211	69	20	12	5	105	Jy 155	Ja 75	112	107	3	2		387,435		
44 Optical goods.....	7	111	8	10	30	15	48	Oc 53	Ja 42	52	42	10			225,466		
45 Paints.....	6	100	3	5	20	5	67	Jy 93	Ja 25	87	83	4			832,974		
46 Patent medicines and compounds.....	27	223	21	19	62	29	92	No 101	Ja 84	98	81	16		1	304,400		
47 Printing and publishing, book and job.....	116	1,089	127	61	59	40	802			816	601	209	6		1,620,559		
48 Job printing.....	110	1,063	120	57	58	38	790	Se 805	Jy 763	803	590	208	5		1,587,729		
49 Book publishing and printing, including linotype work.....	6	26	7	4	1	2	12	No 16	Jy 10	13	11	1			32,830		
50 Printing and publishing, newspapers and periodicals.....	572	2,972	601	150	420	209	1,592			1,633	1,277	328	26	2	3,869,796		
51 Printing and publishing.....	21	791	13	45	236	99	398	De 408	Je 388	408	391	13	4		710,371		
52 Printing, publishing, and job printing.....	497	1,995	540	81	113	70	1,191	No 1,222	Jy 1,160	1,221	882	315	22	2	3,008,189		
53 Publishing, without printing.....	54	186	48	24	71	40	3	De 4	Jy 2	4	4				91,236		
54 Saddlery and harness.....	27	273	33	13	54	4	169	De 181	Jy 158	183	181	2			936,202		
55 Shirts.....	5	451	2	11	8	7	423	Mh 465	Oc 372	397	34	363			164,199		
56 Slaughtering and meat packing.....	10	7,209	5	39	1,313	130	5,713	Oc 5,977	Au 5,428	5,858	5,404	439	10	5	25,571,865		
57 Structural ironwork, not made in steel works or rolling mills.....	4	318	4	10	40	5	250	Ja 286	Mh 236	246	246				922,408		
58 Tobacco, cigars.....	120	685	132	20	25	3	505	De 524	Mh 482	542	336	104	12		489,824		
59 Tools, machinists' and miscellaneous.....	3	9	2	1			6	Jy 9	Fe 4	6	6				27,838		
60 Trunks and valises.....	4	11	3				8	De 10	Ja 6	9	8	1			25,938		

1 Owned power only.

2 Includes rented power, other than electric.

3 No figures given for reasons stated under "Explanation of terms."

MANUFACTURES—NEBRASKA.

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. <sup>1</sup>	Internal-combustion engines. <sup>2</sup>	Water wheels and motors. <sup>1</sup>		Electric (rented).

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

\$2,516,165	\$4,601,467	\$16,893,345	\$451,983	\$814,447	\$3,616,770	\$171,352,700	\$2,760,984	\$221,615,848	\$47,502,164	90,192	58,066	6,751	5,674	19,701	14,019	1
24,540	11,031	215,318	6,240	2,861	7,311	338,178	7,829	802,962	456,955	842	131	565		146	4	2
6,000	2,825	24,067	765	4,701	517	92,993	1,193	156,000	61,814	37				37		3
		6,620	27	1,787	87	2,442	539	14,670	11,689	28		20		8		4
9,640	14,337	37,748		8,230	897	132,928	1,585	225,172	90,664	25				25		5
7,091	5,715	49,719		710	325	134,313	3,742	211,679	73,605	273	150			123		6
56,895	182,498	682,140	2,805	119,204	17,575	2,500,177	117,013	5,110,961	2,493,771	999	127	69	2	801	105	7
41,270	9,040	802,932	150	656	9,621	30,213	138,925	643,996	474,858	3,577	2,831	244		502	8	8
14,740	42,177	56,945	17,087	1,092	2,121	216,703	2,488	424,772	205,581	143	119	10		14		9
172,327	162,171	485,595	5,449	15,374	28,259	9,646,606	144,380	11,082,123	1,291,137	11,787	11,476	86		225		10
11,910	1,200	53,478		2,700	2,046	184,292	4,217	337,261	148,752	1,247	1,187	39		21		11
		9,504		774	150	2,874	605	22,843	19,364	20		5		15		12
1,080	300	3,331		489	83	12,890	236	21,648	8,522	12		11		1		13
12,600	8,316	79,615		2,540	5,376	79,657	6,465	243,831	157,709	268		14		254		14
204,286	128,844	3,510,731			44,232	2,635,292	227,864	6,736,863	3,873,707	7,895	7,731	22		142	6,445	15
375	24	708		375	17	1,427	63	5,712	4,222	20				20		16
20,670	31,894	40,331		2,022	2,570	1,036,105	8,506	1,261,606	216,995	545				545		17
60,676	108,283	175,390	3,725	30,903	6,589	859,336	28,213	1,465,525	577,976	767	222	36	5	504	60	18
49,676	99,096	131,968	3,300	17,529	4,694	646,213	14,508	1,066,438	405,717	468	212			251	40	19
11,000	9,167	43,422	425	13,374	1,895	213,123	13,705	399,087	172,259	299	10	36		253	20	20
14,293	6,329	121,274		8,052	1,900	307,408	2,502	679,294	269,384	88		22		66		21
11,320	28,593	62,690	1,512	606	2,130	225,843	5,363	397,161	165,955	405	285	70		50	115	22
18,600	13,970	34,501	3,600	3,495	1,628	155,823	1,766	305,698	148,107	4		4				23
4,680	564	6,336		2,488	18	3,065	1,159	19,313	15,089	16				16	10	24
108,744	155,583	513,869	1,300	10,435	48,721	12,782,912	200,321	15,022,126	2,038,893	17,830	7,366	3,247	5,664	1,553	231	26
48,819	123,750	160,068	240	5,202	11,728	2,812,998	49,575	3,832,614	970,041	2,653	507	180		1,966	30	26
16,700	89,790	50,462	240	5,122	6,978	418,614	14,599	758,285	325,072	449	260			189	30	27
32,119	33,960	109,606		80	4,750	2,394,384	34,976	3,074,329	644,969	2,204	247	180		1,777		28
72,136	200,094	518,997	1,054	15,986	17,702	1,005,579	37,786	2,864,602	1,131,237	1,457	482	167		808	170	29
900	3,848	10,216	684	310	349	42,460	885	71,117	27,772	80		6		74		30
71,236	196,446	508,781	370	15,676	17,353	1,653,119	36,901	2,793,912	1,103,465	1,377	482	161		734	170	31
13,676	8,568	43,137	9,141	8,750	743	127,346	1,853	294,289	165,100	61				61		32
17,360	7,406	79,323		3,033	1,293	89,177	4,383	213,243	124,683	245	125	3		117		33
9,550	3,740	55,509		1,200	583	56,267	2,663	134,284	75,354	104	50			54		34
7,840	3,666	23,814		1,833	710	32,910	1,720	83,959	49,329	141	75	3		63		35
63,761	99,593	229,732	450	3,754	153,629	450,174	155,517	1,928,116	1,322,425	1,620	1,030	459		131	38	36
22,321	6,026	68,344	255	139	5,847	26,980	93,750	330,467	209,737	1,704	975	240		489	1	37
3,320	1,374	25,162	150	1,932	103	25,811	291	70,619	44,517	12				12		38
195,572	90,926	344,927		18,000	521,152	799,623	106,446	3,011,745	2,105,676	3,489	2,951	15		523	343	39
44,148	52,480	303,820	406	30,569	13,332	690,880	18,250	1,285,507	578,377	1,403	625	112		666		40
28,596	32,595	125,242	1,705	5,364	4,662	450,419	9,905	841,110	380,786	382	41	91		250		41
11,000	4,924	51,035		3,320	1,218	211,550	3,158	315,349	100,641	1,049				1,049		42
18,788	14,781	63,800	250	9,037	3,303	169,389	5,836	434,722	259,497	185	25	45		115		43
23,498	29,280	28,124		12,519	1,269	164,241	1,378	330,989	165,370	27				27		44
11,864	34,258	45,030		72	4,163	616,644	7,136	957,829	334,049	400	350			50	125	45
29,422	93,900	71,511	19	8,519	2,729	217,429	2,847	561,737	341,461	234		38		196		46
117,738	81,300	520,431	26,839	76,671	12,056	984,838	27,978	2,373,523	1,360,707	956	31	8		917	4	47
111,598	78,800	506,791	16,983	75,681	11,834	982,176	26,977	2,316,153	1,307,000	949	31	8		910	4	48
6,140	2,500	13,640	9,856	990	222	2,662	1,001	57,370	53,707	7				7		49
284,007	558,617	1,117,503	313,648	98,290	31,555	1,155,114	67,701	5,433,415	4,210,600	2,233	275	733	3	1,222	83	50
118,848	344,340	364,258	36,862	28,258	7,897	542,547	19,220	2,093,676	1,531,909	432	25	13		394		51
132,264	154,258	751,337	15,185	63,726	23,094	593,059	48,269	2,979,258	2,337,930	1,800	250	720	3	827	83	52
33,795	60,019	1,908	261,601	6,306	564	13,508	212	360,481	340,761	1				1		53
25,140	58,442	124,550		10,320	6,847	487,100	5,241	801,244	308,905	177		11		106	2	54
15,824	8,126	151,655	15,261	14,510	844	595,262	4,989	869,246	268,993	125				125	4	55
152,840	1,691,910	3,697,374	1,040	169,690	120,397	93,505,746	666,842	104,503,333	10,830,745	15,486	12,538			2,948	3,647	56
23,523	37,738	164,250		50	3,177	452,428	11,153	828,938	365,357	517	100	12		405	294	57
24,204	27,319	248,862	200	14,590	92,497	441,464	4,090	1,033,030	584,476	8				8		52
1,200		4,963	718	120	78	2,1										

MANUFACTURES—NEBRASKA.

TABLE 31.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

INDUSTRY.	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—			Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.						

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

1	Vinegar and cider	6	25	4	5	1	15				25	23	2			\$182,165
2	Vinegar	3	18		5	1	12	Se	32	De <sup>a</sup>	5	5	5			161,465
3	Cider	3	7	4			3	Oc	18	No	3	20	18	2		20,700
4	Wirework, woven-wire fencing	7	50	6	2	2	40	My <sup>a</sup>	46	Ja	34	38	33		5	85,096
5	All other industries*	151	4,255	100	135	301	178									31,331,140

*All other industries embrace—	
4	Agricultural implements
1	Artificial limbs
1	Babbit metal and solder
1	Bags, other than paper
2	Baking powders and yeast
1	Baskets and rattan, and willow ware
1	Bells
1	Bookbinding and blank-book making
1	Boots and shoes
1	Boxes, cigar
1	Boxes, fancy and paper
3	Brass and bronze products
1	Brushes, miscellaneous
4	Cars and general shop construction and repairs by electric-railroad companies
4	Cars, steam-railroad, not including operations of railroad companies
2	Cheese
1	Chemicals
3	Clothing, men's
4	Clothing, women's
1	Collars and cuffs, men's
1	Condensed milk
3	Copperage
1	Corsets
1	Dental goods
2	Electrical machinery, apparatus, and supplies
3	Engines, steam, gas, gasoline, and water
2	Engraving and die sinking
2	Engraving, steel and copper plate, including plate printing
1	Fancy articles, not elsewhere specified
1	Feathers and plumes
1	Fertilizers
2	Fire extinguishers, chemical
1	Furs, dressed
1	Gas machines and gas and water meters
2	Glass, cutting, staining, and ornamenting
1	Glucose and starch
3	Grease and tallow
2	Hair work
3	Hand stamps
2	Hardware
1	Hardware, saddlery
1	Hats and caps, other than felt, straw, and wool
2	Hats, fur-felt
1	House-furnishing goods, comforts and quilts
1	Instruments, professional and scientific

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

1 OMAHA—All industries		417	11,395	335	551	1,112	475	8,922	Au	9,300	Fe	8,618	8,845	6,749	2,073	15	8	\$51,263,612
2	Artificial stone products	5	46	2	6	3	1	34	My <sup>3</sup>	53	De	7	44	44				64,066
3	Bread and other bakery products	64	981	63	17	96	42	763	Oc	812	Ja	692	813	473	335		5	1,231,190
4	Brick, tile, and other clay products	4	153		8	2		143	Jy	169	De	88	119	119				456,684
5	Butter	5	363		33	35	34	261	Je	373	Ja	187	203	139	64			1,454,682
6	Carriages and wagons	4	110	3	7	7	3	90	Ja	129	Oc	65	67	67				417,072
7	Confectionery and ice cream	9	334	9	12	67	10	236					266	106	160			534,710
8	Confectionery	6	316	4	12	63	9	223	No	272	Ap	195	258	99	159			526,506
9	Ice cream	3	18	5	4	1	1	8	( <sup>1</sup> )	8	( <sup>1</sup> )	8	8	1				8,204
10	Copper, tin, and sheet-iron work	12	73	11	2	1	1	58	Se	66	Fe	46	53	53				81,010
11	Food preparations, not elsewhere specified	7	265	7	11	72	41	134	Se	158	Fe <sup>3</sup>	114	128	90	38			946,685
12	Foundry and machine-shop products	15	316	15	24	22	14	241	Mh	280	No	198	226	225		1		750,958
13	Fur goods	5	88	3	7	5	5	68	De	102	My	53	100	50	50			110,633
14	Furniture, rattan and willow, and store and office fixtures	5	49	1	7	2	3	36	No	42	Ja	30	38	36	1	1		58,809
15	Liquors, malt	5	354	1	20	30	5	298	Au	366	Mh	248	298	298				3,470,988
16	Lumber, planing-mill products, not including planing mills connected with sawmills	9	243	5	14	5	2	217	Jy	238	Ja	199	219	218	1			294,211
17	Marble and stone work	6	87	7	10	6	1	63	Je <sup>3</sup>	75	Fe	38	68	68				256,010
18	Mineral and soda waters	4	28	4	4	3	1	16	Jy <sup>3</sup>	19	Ja <sup>3</sup>	15	15	15				25,599
19	Optical goods	4	82	3	6	24	11	38	Oc	40	Ja	35	39	31	8			193,159
20	Patent medicines and compounds	13	159	9	13	44	24	69	No	77	Se	59	71	60	10			210,170
21	Printing and publishing, book and job	54	709	64	36	42	23	544	Se <sup>3</sup>	558	Jy	535	540	408	132			1,040,155
22	Printing and publishing, newspapers and periodicals	41	807	21	60	254	106	366					369	363	6			634,233
23	Printing and publishing	6	602	1	35	183	86	297	Ja <sup>3</sup>	302	Au	291	300	297	3			415,057
24	Printing, publishing, and job printing	8	102	4	10	17	4	67	No	70	Jy	65	67	64	3			167,965
25	Publishing, without printing	27	103	16	15	54	16	2	( <sup>1</sup> )	2	( <sup>1</sup> )	2	2	2				51,211
26	Tobacco, cigars	13	72	13	2	1	1	55	De	58	Fe	51	50	46	13			40,771
27	Wirework, woven-wire fencing	4	38	4	1	1		32	My <sup>3</sup>	36	Ja <sup>3</sup>	28	30	25				14,227
28	All other industries*	129	6,038	90	251	390	147	5,160					5,080	3,815	1,255	8	2	38,967,690

* All other industries embrace—	
1	Brushes, miscellaneous
1	Cleansing and polishing preparations
2	Clothing, men's
3	Clothing, women's
1	Coffee, roasting and grinding
2	Copperage
1	Dairymen's, poultrymen's, and apiarists' supplies
1	Druggists' preparations
2	Electrical machinery, apparatus, and supplies
1	Electroplating
3	Engraving and die sinking
1	Engraving, steel and copper plate, including plate printing
2	Fancy articles, not elsewhere specified
1	Feathers and plumes
1	Fire extinguishers, chemical
4	Flour-mill and gristmill products
3	Gas, illuminating and heating
1	Glass, cutting, staining, and ornamenting
1	Glucose and starch
2	Hair work
2	Hand stamps

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

1	GRAND ISLAND	49	608	44	45	42	17	460	Au	594	Mh	392	597	463	130	4		\$1,759,400
2	HASTINGS	47	545	53	29	38	9	416	Au	551	Ja	333	548	377	169			1,388,416
3	LINCOLN	195	2,750	163	179	383	204	1,821	Je	2,040	Ja	1,590	1,842	1,469	368	4	1	10,238,947
4	SOUTH OMAHA	61	7,714	52	53	1,391	155	6,063	Oc	6,383	Je	5,768	6,163	5,631	512	15	5	26,647,797

<sup>1</sup> Owned power only.

<sup>2</sup> Includes rented power, other than electric.

<sup>3</sup> 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.			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.			Total.	Steam engines. <sup>1</sup>	Internal combustion engines. <sup>2</sup>	Water wheels and motors. <sup>1</sup>		Electric (rented).

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

\$7,900	\$531	\$10,875		\$15	\$919	\$85,854	\$1,908	\$138,452	\$50,690	200	175	15		10		1
7,900	531	9,430		5	793	82,374	1,485	130,702	46,843	130	115	5		10		2
		1,445		10	126	3,480		7,750	3,847	70	60	10				3
1,200	900	20,677		2,405	876	50,791	1,171	95,398	43,436	60	6			54		4
396,028	423,365	2,197,934	\$37,947	73,536	2,424,191	33,647,683	567,507	43,127,675	8,912,505	8,649	6,205	148		2,296		5

Iron and steel, doors and shutters.....	1	Paper goods, not elsewhere specified.....	2	Signs and advertising novelties.....	3	Typewriters and supplies.....	1
Labels and tags.....	3	Paving materials.....	2	Smelting and refining, lead.....	1	Umbrellas and canes.....	1
Lead, bar, pipe, and sheet.....	1	Perfumery and cosmetics.....	2	Smelting and refining, not from the ore.....	1	Varnishes.....	1
Liquors, distilled.....	1	Photo-engraving.....	2	Soap.....	2	Washing machines and clothes wringers.....	3
Looking-glass and picture frames.....	1	Pickles, preserves, and sauces.....	3	Stamped and enameled ware.....	1	Whips.....	1
Lumber and timber products.....	2	Pottery.....	1	Steam packing.....	1	Windmills.....	2
Malt.....	1	Printing and publishing, music.....	1	Stereotyping and electrotyping.....	1	Window and door screens and weather strips.....	4
Mirrors, framed and unframed.....	2	Printing materials.....	1	Stoves and hot-air furnaces.....	2	Window shades and fixtures.....	1
Models and patterns, not including paper patterns.....	1	Pumps, not including power pumps.....	2	Sugar, beet.....	2	Wooden goods.....	1
Mudlage and paste.....	2	Refrigerators.....	1	Surgical appliances.....	2		
Musical instruments and materials, not specified.....	2	Regalia and society badges and emblems.....	1	Suspenders, garters, and elastic woven goods.....	1		
Musical instruments, pianos.....	1	Sand-lime brick.....	1	Thaware, not elsewhere specified.....	1		
		Sausage.....	2				

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

\$1,253,191	\$1,502,348	\$5,809,535	\$288,465	\$322,385	\$2,306,181	\$47,015,097	\$1,050,707	\$66,438,041	\$18,372,237	20,679	12,609	252	5	7,813	6,071	1
10,820	3,800	32,366		480	438	49,657	1,406	120,203	69,140	39		29		10		2
43,069	154,378	436,604	2,325	49,894	9,685	1,537,636	56,356	3,238,978	1,644,986	718	127	4		557	105	3
13,080	2,240	94,362		356	4,042	9,813	44,629	193,377	138,935	530	410			120		4
95,005	73,887	178,073		11,000	9,820	4,295,188	29,127	4,840,849	516,534	775	675			100	275	5
11,100	8,316	68,350		780	5,244	69,037	5,817	208,457	133,603	236				236		6
36,376	79,736	94,175		14,139	3,456	455,593	10,636	772,135	305,906	374	212		5	157	40	7
36,376	77,336	89,255		10,719	3,379	438,252	9,829	736,924	288,843	346	212		5	129	40	8
13,080	2,400	4,920		3,420	77	17,341	807	35,211	17,063	28				28		9
4,820	769	45,984		3,820	409	97,156	478	199,242	71,608	32				32		10
20,267	97,505	74,432	240	3,622	7,881	1,271,666	24,704	1,733,854	437,484	985	100			885	30	11
40,790	32,851	182,335	90	11,504	3,667	484,255	10,975	879,490	384,260	319	50			269		12
10,076	7,648	33,907	90	7,200	540	112,455	1,461	240,241	126,325	56				56		13
7,840	4,186	25,998		2,253	719	34,410	1,796	90,159	53,953	142	75	3		64		14
146,155	60,257	210,440		368,815	511,123	62,874	2,019,378	1,445,381	2,023	1,944				79	303	15
20,141	4,826	163,890	27	2,434	5,619	304,456	5,791	544,291	234,044	609	540	8		61		16
18,026	11,120	52,895		300	1,144	136,245	3,926	260,915	120,744	108	25	15		68		17
5,358	4,522	10,789		2,346	478	22,899	735	59,210	35,576	17				17		18
19,848	25,085	23,150		11,619	1,107	151,242	1,959	302,807	150,512	16				10		19
20,662	73,792	56,397		6,757	1,750	153,702	2,308	410,848	252,858	127		6		121		20
80,882	51,268	350,291	8,327	56,269	7,493	705,271	18,295	1,614,077	890,511	643				643	2	21
141,423	347,049	350,027	245,648	33,542	7,236	526,002	19,021	2,155,122	1,610,099	348	25			323		22
95,052	282,782	294,217	26,595	22,682	5,762	453,238	15,339	1,676,623	1,208,046	274	25			249		23
25,120	19,712	54,562	1,588	5,940	1,142	70,740	3,360	249,345	175,025	74				74		24
21,251	44,555	1,248	217,465	4,920	332	2,024	102	229,154	227,028							25
1,560	260	34,772	2,599	2,599	9,047	47,844	364	112,368	64,160	1				1		26
	240	16,616	2,400	149	11,291		382	35,708	23,735	22				16		27
505,853	458,513	3,278,652	31,718	99,131	1,857,442	36,026,156	748,273	46,436,282	9,661,833	12,559	8,426	181		3,932	5,310	28

Hardware.....	1	Mattresses and spring beds.....	2	Refrigerators.....	1	Structural ironwork, not made in steel works or rolling mills.....	2
Hats and caps, other than felt, straw, and wool.....	2	Mirrors, framed and unframed.....	2	Regalia and society badges and emblems.....	1	Surgical appliances.....	1
Hats, fur-felt.....	1	Models and patterns, not including paper patterns.....	1	Saddlery and harness.....	3	Suspenders, garters, and elastic woven goods.....	1
Ice, manufactured.....	2	Mudlage and paste.....	1	Sand-lime brick.....	1	Tools, not elsewhere specified.....	2
Instruments, professional and scientific.....	1	Musical instruments and materials, not specified.....	1	Sausage.....	1	Tinware, not elsewhere specified.....	1
Iron and steel, doors and shutters.....	1	Paints.....	1	Shirts.....	3	Tools, not elsewhere specified.....	2
Jewelry.....	3	Paper goods, not elsewhere specified.....	3	Signs and advertising novelties.....	2	Trunks and valises.....	3
Labels and tags.....	2	Perfumery and cosmetics.....	2	Smelting and refining, lead.....	1	Typewriters and supplies.....	1
Liquors, distilled.....	1	Photo-engraving.....	2	Smelting and refining, not from the ore.....	1	Umbrellas and canes.....	1
Looking-glass and picture frames.....	1	Pickles, preserves, and sauces.....	2	Soap.....	1	Whips.....	1
Malt.....	1	Printing materials.....	1	Steam packing.....	1	Window and door screens and weather strips.....	2
				Stereotyping and electrotyping.....	1		

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

\$56,731	\$47,259	\$341,507	\$788	\$7,880	\$21,997	\$1,382,227	\$34,015	\$2,100,700	\$684,458	1,618	1,125	2		491	125	1
37,052	43,261	235,491	1,915	12,069	46,565	914,017	39,796	1,610,638	656,825	959	577	116		266	56	2
305,894	543,749	1,208,097	93,355	118,827	71,927	5,830,632	208,642	10,025,190	3,925,916	5,249	2,689	74		2,486	350	3
210,603	1,807,157	3,925,236	5,259	202,885	188,268	93,742,463	716,993	106,025,436	11,565,980	16,469	12,188	34		4,217	3,289	4

\* Same number reported throughout the year.

# NEVADA.

By A. B. WEAVER.

## GENERAL STATISTICS.

**General character of the state.**—Nevada has a gross area of 110,690 square miles, of which 109,821 represent land surface. Its population in 1900 was 42,335, and 81,875 in 1910. The estimated population in 1914 was 98,726. In 1914 there were in Nevada 86,723 square miles of unappropriated and unreserved public lands of the United States, 8,683 square miles in national forests, and 1,073 square miles in Indian reservations. There were approximately 9 inhabitants for each 10 square miles in 1914, 7 in 1910, and only 4 in 1900.

The urban population in 1910—that is, the population residing in cities and other incorporated places of 2,500 inhabitants or more—was 13,367, or 16.3 per cent of the total, as against 7,195, or 17 per cent, in 1900. In 1914 there was only one city, Reno, estimated to have more than 10,000 inhabitants. This city's population in that year was 13,579, which formed 13.8 per cent of the estimated total population of Nevada.

The steam-railway mileage of Nevada in 1914, as reported by the Interstate Commerce Commission, was 2,418 miles.

Mining is the leading industry of the state. The value of the output of the mines and quarries in 1914, according to the annual report of the United States Geological Survey, was \$29,984,338, the value of gold and silver constituting more than two-thirds of this total. Copper is also an important product. The southwestern portion of the state lies in one of the richest mineral belts in the world.

Except in isolated spots, the rainfall throughout the state is insufficient for the growing crops, and agriculture depends almost entirely on irrigation.

**Importance and growth of manufactures.**—In 1914, measured both by the value of products—\$16,083,304—and by the average number of wage earners—3,655—Nevada ranked forty-seventh among the states. Its proportion of the total value of products of manufactures for the United States is small, being less than one-tenth of 1 per cent at each of the four censuses covered by the table. Table 1 summarizes the more important data relative to all classes of manufactures combined in the state of Nevada 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. <sup>1</sup>		
	1914	1909	1904	1899	1909-1914	1904-1909	1899-1904
Number of establishments.....	180	177	115	99	1.7	53.9	.....
Persons engaged.....	4,113	2,650	1,016	( <sup>2</sup> )	55.2	160.8	.....
Proprietors and firm members.....	179	137	108	( <sup>2</sup> )	30.7	26.9	.....
Salaried employees.....	279	256	106	37	9.0	141.5	.....
Wage earners (average number).....	3,655	2,257	802	504	61.9	181.4	59.1
Primary horsepower.....	18,748	7,765	2,834	1,561	141.4	174.0	81.6
Capital.....	\$13,590,803	\$9,806,597	\$2,891,997	\$1,251,298	38.6	239.1	131.1
Salaries and wages.....	4,048,857	2,359,803	819,563	387,206	71.6	187.9	111.7
Salaries.....	470,921	378,041	126,156	84,600	24.6	199.7	264.6
Wages.....	3,577,936	1,981,762	693,407	352,606	80.5	185.8	96.7
Paid for contract work.....	24,324	7,490	1,510	( <sup>2</sup> )	224.8	396.0	.....
Rent and taxes (including internal revenue).....	192,648	111,363	\$ 44,768	( <sup>2</sup> )	73.0	.....	.....
Cost of materials.....	9,316,815	8,365,939	1,627,776	662,284	11.4	413.9	145.8
Value of products.....	16,083,304	11,886,828	3,096,274	1,261,005	35.3	283.9	145.5
Value added by manufacture (value of products less cost of materials).....	6,766,489	3,520,889	1,468,498	598,721	92.2	139.8	145.3

<sup>1</sup> Percentages are omitted where base is less than 100 or where comparable figures can not be given.   <sup>2</sup> Figures not available.   <sup>3</sup> Exclusive of internal revenue.

All items in this table show increases during each of the five-year periods, that, however, for the period 1904-1909 being noticeably the largest. The increases for this period were due to the exceptional growth in copper smelting, which is the most important manufacturing industry in the state. For the period 1909-1914, the percentage of increase for capital invested

was 38.6; wage earners, 61.9; wages, 80.5; and value of products, 35.3. For the United States as a whole the percentages were 23.7, 6.4, 19, and 7.3, respectively.

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.

INDUSTRY.	CENSUS OF 1914.						PER CENT OF INCREASE. <sup>1</sup>									
	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.....	180	3,655	100.0	\$16,083,364	100.0	\$6,766,489	100.0	61.9	181.4	59.1	35.3	283.9	145.5	92.2	139.8	145.1
Cars and general shop construction and repairs by steam-railroad companies.....	9	1,468	40.2	2,260,964	14.1	1,329,216	19.6	79.5	159.7	47.2	118.9	94.2	79.7	91.0	124.5	67.6
Slaughtering and meat packing.....	4	91	2.5	1,853,270	11.5	249,115	3.7	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lumber and timber products.....	5	176	4.8	478,058	3.0	290,455	4.3	-5.4	26.5	.....	-5.4	-4.7	214.3	35.1	-20.7	310.6
Printing and publishing.....	42	161	4.4	478,042	2.9	375,047	5.5	-10.6	.....	.....	-8.9	105.1	127.9	-7.8	84.5	136.6
Butter.....	11	21	0.6	446,870	2.8	73,727	1.1	.....	.....	.....	37.1	65.5	33.1	99.9	2.8	71.4
Flour-mill and gristmill products.....	7	28	0.8	386,566	2.4	109,429	1.6	.....	.....	.....	-35.3	14.8	264.3	7.1	14.6	206.9
Bread and other bakery products.....	31	65	1.8	316,018	2.0	145,649	2.2	.....	.....	.....	-11.2	180.3	693.8	2.5	125.4	800.0
All other industries.....	71	1,645	45.0	9,870,516	61.4	4,193,851	62.0	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> Percentages are based on figures in Table 20; 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 in the table for seven industries, or industry groups, for each of which products valued at more than \$300,000 were reported for 1914. These industries include two with products exceeding \$1,000,000, and five between \$300,000 and \$500,000.

Among those included under the head of "all other industries," are two with products exceeding in value some for which figures are shown in the table—copper smelting and wall plaster. The statistics for these industries can not be shown separately without the possibility of disclosing the operations of individual establishments.

The industries in this table are arranged in the order of their importance by value of products, but the arrangement would vary somewhat for several of the industries if based on the average number of wage earners or value added by manufacture. Slaughtering and meat packing ranks second in value of products but fourth in both wage earners and value added by manufacture. Lumber and timber products, third in value of products and value added by manufacture, ranks second in average number of wage earners. Printing and publishing ranks third in wage earners, fourth in value of products, and second in value added by manufacture. Butter, fifth in value of products, ranks seventh in wage earners and value added by manufacture. Cars and general shop construction and repairs by steam-railroad companies, and flour mill and gristmill products have the same rank in all three items.

*Cars and general shop construction and repairs by steam-railroad companies.*—This is the leading industry shown in Table 2. The value of products more than doubled during the five-year period 1909-1914, and large increases are also shown for average number of wage earners and value added by manufacture, 79.5 and 91 per cent, respectively.

*Slaughtering and meat packing.*—This industry, second in importance in 1914, was not shown sepa-

rately in 1909, as there were but two establishments in the state in that year. The value of products in 1914 represents 11.5 per cent of the total for the state.

*Lumber and timber products.*—This industry, embracing logging operations, sawmills, and planing mills, is the third industry in importance among those given in the table, although showing a decrease of 5.4 per cent both in value of products and in average number of wage earners since 1909.

In considering the statistics for the lumber mills and gristmills it should be remembered that mills engaged exclusively in custom sawing and grinding for consumption in the immediate neighborhood were not to be included in the census of manufactures, but it is not always possible to conduct the enumeration in regard to the omission of these establishments on uniform lines in all sections of the country at different censuses.

*Printing and publishing.*—There were 54 establishments reported for this industry at the census of 1909. The number had decreased to 42 at the census of 1914 and there were corresponding decreases in all other items for which figures are given.

*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."

There were 4,113 persons reported as engaged in the manufactures of the state during 1914, which was an increase of 1,463 over the number reported for 1909. The number for 1914 included 458 salaried people and 3,655 wage earners. Of the wage earners 16 years of age and over, 3,623 were males and 32 females. Figures for the individual industries will be found in Table 21.

**Table 3**

CLASS.	Cen- sus year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.					CLASS.	Cen- sus year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.				
		Total.	Male.	Fe- male.	Per cent of total.				Total.	Male.	Fe- male.	Per cent of total.	
					Male.	Fe- male.						Male.	Fe- male.
All classes.....	1914 1909	4,113 2,650	4,041 2,556	72 64	98.2 97.6	1.8 2.4	Clerks and other subordinate sal- aried employees.	1914 1909	177 160	149 130	28 30	84.2 81.2	15.8 18.8
Proprietors and officials.....	1914 1909	281 233	269 225	12 8	95.7 96.6	4.3 3.4	Wage earners (average number).	1914 1909	3,655 2,257	3,623 2,231	32 26	99.1 98.8	0.9 1.2
Proprietors and firm members.....	1914 1909	179 137	169 131	10 6	94.4 95.6	5.6 4.4	16 years of age and over.....	1914 1909	3,634 2,248	3,602 2,222	32 26	99.1 98.8	0.9 1.2
Salaried officers of corporations.....	1914 1909	24 32	22 30	2 2	91.7 93.8	8.3 6.2	Under 16 years of age.....	1914 1909	21 9	21 9	..... .....	100.0 100.0	..... .....
Superintendents and managers.....	1914 1909	78 64	78 64	..... .....	100.0 100.0	..... .....							

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.

There were only 72 females reported as engaged in the manufactures of Nevada during 1914. This was an increase of 8 over the number reported for 1909. The numbers are so small that the percentages of

increase are not shown. The largest increase in both number and per cent is shown for wage earners. The percentage that male wage earners formed of the total number engaged in manufacturing industries increased from 86.3 in 1909 to 89.7 in 1914. The corresponding proportion of females employed as wage earners was very much less, being 40.6 per cent in 1909 and 44.4 in 1914.

**Table 4**

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.								
	Per cent of increase, <sup>1</sup> 1909-1914.			Per cent distribution.					
	Total.	Male.	Female.	Total.		Male.		Female.	
				1914	1909	1914	1909	1914	1909
All classes.....	55.2	56.3	.....	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials.....	20.6	19.6	.....	6.8	8.8	6.7	8.7	16.7	12.5
Proprietors and firm members.....	30.7	29.0	.....	4.4	5.2	4.2	5.1	13.9	9.4
Salaried officers of corporations.....	.....	.....	.....	0.6	1.2	0.5	1.2	2.8	3.1
Superintendents and managers.....	.....	.....	.....	1.9	2.4	1.9	2.5	.....	.....
Clerks and other subordinate salaried employees.....	10.6	14.6	.....	4.3	6.0	3.7	5.0	38.9	40.9
Wage earners (average number).....	61.9	62.4	.....	88.9	85.2	89.7	86.3	44.4	40.6
16 years of age and over.....	61.7	62.1	.....	88.4	84.8	89.1	85.9	44.4	40.6
Under 16 years of age.....	.....	.....	.....	0.5	0.3	0.5	.03	.....	.....

<sup>1</sup> Percentages are omitted when base is less than 100.

The average number of wage earners employed, for all industries combined, 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 5, for 1914, 1909, and 1904, and for some of the important industries separately, a similar distribution for 1914 and 1909.

**Table 5**

INDUSTRY.	Census year.	WAGE EARNERS.				INDUSTRY.	Census year.	WAGE EARNERS.			
		Average num- ber. <sup>1</sup>	Per cent of total.		Under 16 years of age.			Average num- ber. <sup>1</sup>	Per cent of total.		Under 16 years of age.
			16 years of age and over.	.....					16 years of age and over.	.....	
		Male.	Fe- male.			Male.	Fe- male.				
All industries.....	1914 1909 1901	3,655 2,257 802	98.5 98.4 98.5	0.9 1.2 1.0	0.6 0.4 0.5	Flour-mill and gristmill products.....	1914 1909	28 21	85.7 100.0	14.3 .....	..... .....
Bread and other bakery products.....	1914 1909	65 47	83.1 89.4	15.4 10.6	1.5 .....	Lumber and timber products.....	1914 1909	176 156	98.3 100.0	..... .....	1.7 .....
Butter.....	1914 1909	21 16	100.0 87.5	..... 12.5	..... .....	Printing and publishing.....	1914 1909	161 180	84.5 88.3	6.8 8.3	5.7 3.3
Cars and general shop construction and repairs by steam-railroad companies.	1914 1909	1,468 818	100.0 99.8	..... .....	0.2 .....	All other industries.....	1914 1909	1,736 886	99.4 99.5	0.4 0.4	0.2 0.1

<sup>1</sup> For method of estimating the distribution, by sex and age periods, of the average number in all industries combined, see "Explanation of terms."

For all industries combined, the percentage of wage earners for each class shows but slight changes from census to census. Of the six industries for which figures are given, four show a decreased percentage of male wage earners 16 years of age and over, and two show increases. For all industries combined, the proportion of female wage earners and of those under 16 years of age was insignificant at each census.

**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 of wage earners reported for each month forms of the greatest number reported for any month.

MONTH.	Number. <sup>1</sup>					
	1914			1909		
	1914	1909	1904	1914	1909	1904
January	3,919	2,107	458	94.9	87.9	46.9
February	3,958	2,116	447	95.9	88.2	45.8
March	3,969	2,140	503	96.1	89.2	51.5
April	3,894	2,190	862	94.3	91.3	88.2
May	4,025	2,244	908	97.5	93.6	92.9
June	4,042	2,266	965	97.9	94.5	93.8
July	4,128	2,349	946	100.0	98.0	96.8
August	3,599	2,398	977	87.2	100.0	100.0
September	3,237	2,341	934	78.4	97.6	95.6
October	3,282	2,390	937	79.5	99.7	95.9
November	2,954	2,302	882	71.6	96.0	90.3
December	2,853	2,247	805	69.1	93.7	82.4

<sup>1</sup> 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 1904, 1909, and 1914 the combined industries of the state show the greatest activity during the summer months, the maximum number of wage earners appearing in July for 1914 and in August for both 1909 and 1904. The year 1909 shows the least fluctuation in the number of wage earners employed. The greatest actual difference between the maximum and minimum months in any one of the three census years was 1,275 in 1914, the per cent being 69.1.

**Prevailing hours of labor.**—In Table 7 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 the city of Reno. 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 most of the individual industries show a tendency toward a shortening of the working day. In 1909, 1,787, or 79.2 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 less than 60 per week, while 2,995, or 81.9 per cent, were so employed in 1914.

Of the 336 wage earners in the city of Reno, 266 were employed in establishments where the prevailing hours were less than 60 per week, and 70 where 60 hours per week prevailed.

INDUSTRY AND CITY.	Census year.	In establishments where the prevailing hours of labor per week were—								
		Total.	48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
		All industries	1914 1909	3,655 2,257	448 365	114 38	1,021 690	1,412 694	235 196	420 260	3 6	2 8
Bread and other bakery products	1914 1909	65 47	8 7	10 5	36 9	2 14	4 4	4 7	— 1	1 —
Cars and general shop construction and repairs by steam-railroad companies	1914 1909	1,468 818	135 44	1	924 614	— —	— 42	408 118	— —	— —
Flour-mill and gristmill products	1914 1909	28 24	4 —	—	15 —	— —	6 —	13 5	3 —	6 —
Lumber and timber products	1914 1909	176 186	7 1	—	32 46	— —	137 139	— —	— —	— —
Printing and publishing	1914 1909	161 180	161 143	—	—	35 —	2 —	— —	— —	— —
All other industries	1914 1909	1,757 1,002	133 170	103 33	14 21	1,410 645	88 9	8 122	— —	1 2
RENO.	1914	336	132	23	109	2	70	—	—	—

**Character of ownership.**—Table 8 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, and for Reno, the only city in the state having 10,000 inhabitants, for 1914 only.

**Table 8**

CHARACTER OF OWNERSHIP AND CITY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.	
		Average number.	Per cent of total.	Amount.	Per cent of total.
All classes:					
1914.....	180	3,655	100.0	\$16,083,304	100.0
1909.....	177	2,257	100.0	11,886,828	100.0
1904.....	115	802	100.0	3,096,274	100.0
Individuals:					
1914.....	83	166	4.5	788,670	4.9
1909.....	83	174	7.7	892,482	7.5
1904.....	52	123	15.3	563,796	18.2
Corporations:					
1914.....	70	3,435	94.0	14,948,653	92.9
1909.....	66	2,037	90.3	10,587,284	89.1
1904.....	34	604	75.3	2,220,209	71.7
All others:					
1914.....	27	54	1.5	345,981	2.2
1909.....	28	46	2.0	407,062	3.4
1904.....	29	75	9.4	312,269	10.1
RENO, 1914.....	41	336	100.0	2,570,523	100.0
Individuals.....	14	67	19.9	299,827	11.7
Corporations.....	21	254	75.6	2,224,888	86.6
All others.....	6	15	4.5	45,808	1.8

For all industries combined, individual and corporate ownership show actual increases for the decade 1904-1914 in number of establishments, average number of wage earners, and value of products, but for corporate ownership only are these increases sufficient

to influence to any appreciable extent the percentages of the respective totals for the state as a whole. During this decade the totals for the establishments in the group "all others," although small, show an actual decrease in number of establishments and average number of wage earners, but a small increase in value of products. Corporate ownership shows an increased percentage of the average number of wage earners and value of products at each successive census since 1904, and, on the other hand, individual and all other show decreases. In fact, 94 per cent of the wage earners and 92.9 per cent of the value of products of the state were reported for corporate ownership in 1914, as compared with 75.3 per cent for wage earners and 71.7 per cent for value of products in 1904. In the city of Reno in 1914, although corporations report the largest proportions for wage earners and value of products, 75.6 and 86.6 per cent, respectively, individual ownership shows a larger proportion in the city than in the state as a whole, 19.9 per cent of the average number of wage earners and 11.7 per cent of the value of products.

Size of establishments.—The tendency for manufacturing to concentrate in large establishments, or the reverse, is indicated by the statistics given in Table 9.

**Table 9**

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.....	180	177	115	3,655	2,257	802	\$16,083,304	\$11,886,828	\$3,096,274	\$6,766,489	\$3,520,889	\$1,468,498
Less than \$5,000.....	61	60	47	44	49	66	161,899	172,825	144,684	100,602	122,639	113,556
\$5,000 to \$20,000.....	73	66	39	163	168	105	682,338	608,654	388,204	397,845	359,561	242,333
\$20,000 to \$100,000.....	31	40	21	321	695	235	1,399,055	1,968,735	895,228	667,368	961,529	460,699
\$100,000 to \$1,000,000.....	11	10	8	857	1,435	396	2,819,649	1,913,611	1,668,100	1,377,907	1,207,160	651,910
\$1,000,000 and over.....	4	1		2,265			11,029,363			4,222,767		
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.....	33.9	33.9	40.9	1.2	2.2	8.2	1.0	1.5	4.7	1.5	3.5	7.7
\$5,000 to \$20,000.....	40.6	37.3	33.9	4.6	7.4	13.1	4.2	5.1	12.5	5.9	10.2	16.5
\$20,000 to \$100,000.....	17.2	22.6	18.3	8.8	26.8	29.3	8.6	16.6	28.9	9.9	27.3	31.4
\$100,000 to \$1,000,000.....	6.1	5.6	7.0	23.4	63.6	49.4	17.5	76.9	53.9	20.4	59.0	44.4
\$1,000,000 and over.....	2.2	0.6		62.0			68.6			62.4		

<sup>1</sup> Includes the group "\$1,000,000 and over."

In 1914, of the 180 establishments in the state, 165, or 91.7 per cent, each reported products of less than \$100,000 in value, as compared with 166, or 93.8 per cent, in 1909, and 107, or 95.7 per cent, in 1904. In 1914 these establishments reported an average of 533 wage earners, or 14.6 per cent of the total for all classes, \$2,234,292, or 13.9 per cent of the total value of products, and \$1,165,815, or 17.2 per cent of the total value added by manufacture. On the other hand, the 15 establishments having products valued at more than \$100,000 each, gave employment to 3,122, or 85.4 per cent of the average number of wage earners, reported \$13,849,012, or 86.1 per cent of the value of products, and \$5,600,674, or 82.8 per cent of the value added by manufacture.

The small establishments, those having products of less than \$5,000 in value, represented 33.9 per cent of

the total number, but reported only 1 per cent of the total value of products.

From 1909 to 1914, for the establishments in the group having products valued at less than \$100,000, the average number of wage earners decreased 35.1 per cent and the value of products 18.8 per cent, as compared with increases of 117.6 per cent and 51.6 per cent, respectively, for those in the groups having products valued at more than \$100,000.

Table 10 shows the size of establishments in 1914 as measured by the number of wage earners employed. The figures given are for all industries combined, for five of the more important industries, and for the city of Reno. Table 11 presents, for 1914, percentages based on the figures in Table 10 and, for 1909, similar percentages for all industries combined and for individual industries in the state as a whole.

Table 10

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—							
	Estab-lish-ments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.		
			Estab-lish-ments.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	
All industries.....	189	3,655	24	119	226	22	258	6	177	
Bread and other bakery products.....	31	65	9	19	34	3	31	.....	.....	
Cars and general shop construction and repairs by steam-railroad companies.....	9	1,463	.....	2	5	1	18	2	58	
Flour-mill and gristmill products.....	7	28	1	5	13	1	15	.....	.....	
Lumber and timber products.....	5	176	.....	2	7	4	10	.....	22	
Printing and publishing.....	42	161	4	32	70	4	42	2	49	
All other industries.....	86	1,757	10	59	97	12	142	1	48	
RENO.....	41	336	1	23	46	12	143	5	147	

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.	
	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.
All industries.....	4	323	2	242	1	394	1	892	1	1,233
Bread and other bakery products.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.....	1	86	1	105	1	304	1	892	.....	.....
Flour-mill and gristmill products.....	.....	.....	1	137	.....	.....	.....	.....	.....	.....
Lumber and timber products.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Printing and publishing.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other industries.....	3	237	.....	.....	.....	.....	.....	.....	1	1,233
RENO.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Table 11

INDUSTRY AND CITY.	Cen-sus 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 1909	6.2 10.0	7.1 11.7	4.8 13.0	8.8 17.5	6.6 .....	8.2 19.6	24.4 28.2	33.7 .....	.....
Bread and other bakery products.....	1914 1909	52.3 66.0	47.7 34.0	.....	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.....	1914 1909	0.3 .....	1.2 2.7	4.0 12.8	5.9 30.3	7.2 .....	20.7 54.2	60.8 .....	.....	.....
Flour-mill and gristmill products.....	1914 1909	46.4 58.3	53.6 41.7	.....	.....	.....	.....	.....	.....	.....
Lumber and timber products.....	1914 1909	4.0 3.2	5.7 30.1	12.5 18.8	47.8 .....	77.8 .....	.....	.....	.....	.....
Printing and publishing.....	1914 1909	47.8 43.3	16.2 38.9	36.0 17.8	.....	.....	.....	.....	.....	.....
All other industries.....	1914 1909	5.5 9.6	8.1 9.1	2.7 12.1	13.5 5.7	.....	.....	63.6 .....	70.2 .....	.....
RENO.....	1914	13.7	42.5	43.8	.....	.....	.....	.....	.....	.....

the average number, as described in the "Explanation of terms," no wage earners could be shown for the establishment.

The percentages for average number of wage earners employed differ greatly from those shown for the number of establishments. The group of establishments employing from 1 to 5 wage earners, which represented 66.1 per cent of the total number of establishments, reported 226 wage earners, or but 6.2 per cent of the total. On the other hand, the groups of establishments having more than 100 employees, while comprising but 2.8 per cent of the total number of establishments, employed 2,671, or 73.1 per cent of the wage earners.

In 1914, in Reno, 86.3 per cent of the total number of wage earners were employed in establishments reporting 6 to 50 wage earners. There were no establishments reporting more than 50 wage earners.

Engines and power.—Table 12 shows, for 1914, 1909, and 1904, for all industries combined, the number and 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 by the establishments reporting.

Of the total number of establishments for all industries in the state combined, 24, or 13.3 per cent, employed no wage earners. These are small establishments in which the work is done by the proprietors or firm members. In some cases they employ one or two wage earners for short periods, but the number is so small and the period so short that in computing

Table 12

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total.....	382	268	56	18,748	7,765	2,834	100.00	100.0	100.0
Owned.....	112	84	56	14,481	5,133	1,999	77.2	66.1	70.5
Steam engines and turbines.....	75	40	27	13,433	4,533	1,092	71.7	58.4	38.5
Internal-combustion engines.....	28	35	23	139	201	125	0.7	2.6	4.4
Water wheels, turbines, and motors.....	9	9	6	909	399	782	4.8	5.1	27.0
Rented.....	270	184	( <sup>1</sup> )	4,267	2,632	835	22.8	33.9	29.5
Electric.....	270	178	( <sup>1</sup> )	4,263	2,307	550	22.7	29.7	19.4
Other.....		6		4	325	285	( <sup>2</sup> )	4.2	10.1
Electric.....	731	344		17,574	6,441	550	109.0	100.0	100.0
Rented.....	270	178		4,263	2,307	550	24.3	35.8	100.0
Generated by establishments reporting.....	461	166		13,311	4,134		75.7	64.2	

<sup>1</sup> Not reported.

<sup>2</sup> Less than one-tenth of 1 per cent.

In 1914, of the total primary power, 71.7 per cent was steam and 22.7 per cent rented electric, as compared with 58.4 per cent and 29.7 per cent, respectively, in 1909. This table shows an increase in primary power amounting to 10,983 horsepower, or 141.4 per cent, from 1909 to 1914, almost seven-eighths of which was due to the increase in owned power. The use of rented power, chiefly electric, shows an increase of 1,635 horsepower, or 62 per cent, in this five-year period. The increase in the use of electric motors run by current generated within the establishment has more than kept pace with the increase in primary power—increasing 9,177 horsepower, or 222 per cent, from 1909 to 1914.

**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 13 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 in the state as a whole and for all industries combined for the city of Reno.

INDUSTRY AND CITY.	COAL.				
	An-thra-cite (tons, 2,240 lbs.).	Bitumi-nous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, in-cluding gasoline (barrels).	Gas (1,000 cubic feet).
All industries.....	63	44,846	18,393	555,240	831
Bread and other bakery products.....	4	246		37	92
Butter.....		310		10	
Cars and general shop construction and repairs by steam-railroad companies..	10	6,482	79	124,960	4
Printing and publishing.....	21	105	5	147	431
All other industries.....	28	37,703	18,309	430,092	304
RENO.....	10	290	300	12,003	428

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 securing which no provision is made on the general schedule. Certain data of this character for two industries of importance in Nevada are here presented.

**Flour-mill and gristmill products.**—Table 14 gives the quantities and values of flour-mill and gristmill products for the last three census years.

Table 14	1914	1909	1904
Total value.....	\$386,566	\$597,929	\$520,969
Wheat flour:			
Barrels.....	40,329	61,938	47,456
Value.....	\$202,624	\$360,540	\$256,978
Bran and middlings:			
Tons.....	1,564		
Value.....	\$38,952		
Feed and offal:			
Tons.....	3,686	8,206	10,168
Value.....	\$103,326	\$237,389	\$263,816
All other products, value.....	\$41,664		\$175

Wheat flour, as shown in this table, decreased 21,609 barrels, or 34.9 per cent, in 1914, as compared with the quantity reported in 1909. Bran and middlings and feed and offal show a decrease of 2,956 tons, or 36 per cent, during the five-year period. The equipment of these mills in 1914 consisted of 42 stands of rolls.

**Printing and publishing.**—Table 15 gives the number of publications and the aggregate circulation per issue for all newspapers and periodicals published in Nevada during 1914, 1909, and 1904.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1914	1909	1904	1914	1909	1904
Total.....	43	59	31	38,258	45,544	19,540
Daily.....	<sup>1</sup> 13	<sup>1</sup> 17	9	21,260	21,381	6,930
Weekly.....	<sup>2</sup> 30	<sup>3</sup> 42	<sup>4</sup> 22	16,998	24,163	12,610

<sup>1</sup> Includes two Sunday newspapers.

<sup>2</sup> Includes three triweekly publications.

<sup>3</sup> Includes two triweekly publications.

<sup>4</sup> Includes two semiweekly publications.

The branch of the industry covered by these statistics embraces the 38 establishments classified as printing and publishing, newspapers and periodicals. The table shows an increase both in the number of publications and the circulation for the ten-year period 1904-1914. The increase in circulation was 18,718, or 95.8 per cent. This increase was most largely in the circulation of the daily and Sunday newspapers, which increased from 6,930 to 21,260, a gain of 14,330, or slightly more than twofold, during the decade. From 1909 to 1914, while the circulation of the daily and Sunday newspapers remained about stationary, the number and circulation of the weekly publications decreased considerably. Of the dailies, eight were evening editions with a circulation of 8,703. All the publications, whatever the period of issue, were printed in the English language.

**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 Nevada for 1914 and 1909.

	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase, <sup>1</sup> 1909-1914.
	1914	1909	
Number of establishments.....	12	5	.....
Persons engaged.....	150	119	26.1
Proprietors and firm members.....	13	2	.....
Salariated employees.....	13	12	.....
Wage earners (average number).....	124	105	18.1
Primary horsepower.....	247	149	65.8
Capital.....	\$191,392	\$166,131	15.2
Salaries and wages.....	105,464	98,029	7.6
Salaries.....	17,410	15,900	9.5
Wages.....	88,054	82,129	7.2
Paid for contract work.....	.....	.....	.....
Rent and taxes (including internal revenue).....	3,705	4,201	-11.8
Cost of materials.....	40,374	26,913	50.0
Amount received for work done.....	216,193	165,037	31.0

<sup>1</sup> A minus sign (-) denotes decrease; percentages are omitted where base is less than 100.

All items in the table show increases during the five-year period with the exception of "Rent and taxes," the amount for work done showing an increase of \$51,156, or 31 per cent.

Of the total amount received for work done in 1914, establishments owned by individuals reported 30.6 per cent; those owned by corporations, 51.9 per cent; and those under all other forms of ownership, 17.5 per cent.

Table 17 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 employed in any month of the same year.

MONTH.	WAGE EARNERS.			
	Number.		Per cent of maximum.	
	1914	1909	1914	1909
January.....	126	112	93.3	100.0
February.....	123	104	91.1	92.9
March.....	120	107	88.9	95.5
April.....	122	101	90.4	90.2
May.....	126	105	93.3	93.8
June.....	127	111	94.1	99.1
July.....	135	111	100.0	99.1
August.....	133	105	98.5	93.8
September.....	127	103	94.1	92.0
October.....	123	101	91.1	90.2
November.....	115	100	85.2	89.3
December.....	119	104	88.1	92.9

Table 18 gives statistics as to kinds and amount of power used in the laundries of the state in 1914 and 1909, together with the percentages of increase for the five-year period.

POWER.	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		Per cent of increase, 1909-1914.
			Amount.		
	1914	1909	1914	1909	
Primary power, total.....	18	7	247	149	65.8
Owned.....	13	7	223	149	49.7
Steam engines.....	11	7	217	149	45.6
Water wheels and motors.....	2	.....	6	.....	.....
Rented—Electric.....	5	.....	24	.....	.....

Table 19 shows the kinds and quantities of fuel used in the laundries, as reported at the censuses of 1914 and 1909, with percentages of increase.

KIND.	UNIT.	QUANTITY.		Per cent of increase, 1909-1914.
		1914	1909	
Bituminous coal.....	Tons, 2,000 lbs.....	871	520	67.5
Oil, including gasoline.....	Barrels.....	4,034	1,244	224.3
Gas.....	1,000 cubic feet.....	70	.....	.....

GENERAL TABLES.

Table 20 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 the cities having more than 10,000 inhabitants, similar data for all industries combined.

Table 21 presents, for 1914, statistics in detail for each industry in the state that can be shown without the disclosure of the operations of individual establishments and the statistics for all industries combined for Reno, the only city in the state having more than 10,000 inhabitants.

TABLE 20.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earners (aver- age num- ber.)	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
					Expressed in thousands.								Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1914	180	3,655	18,748	\$3,578	\$9,317	\$16,033	Flour-mill and gristmill products.	1914	7	28	465	\$22	\$277	\$387
	1909	177	2,257	7,765	1,982	8,366	11,837		1909	8	24	395	24	496	596
	1904	115	802	2,834	693	1,623	3,096		1904	9	17	361	16	432	521
Bread and other bakery products.	1914	31	65	38	67	170	316	Lumber and timber products.	1914	5	176	388	156	186	476
	1909	29	47	6	54	214	356		1909	9	186	563	143	288	503
	1904	11	31	1	28	64	127		1904	5	147	1,110	110	257	528
Butter.....	1914	11	21	173	21	373	447	Printing and publishing.	1914	42	161	224	163	98	473
	1909	9	16	94	15	289	326		1909	54	180	214	193	113	519
	1904	4	10	67	9	161	197		1904	29	67	62	64	33	253
Cars and general shop construction and repairs by steam-railroad companies.	1914	9	1,468	2,737	1,230	932	2,261	All other industries.....	1914	75	1,736	14,723	1,919	7,281	11,723
	1909	9	818	1,611	610	337	1,033		1909	59	986	4,832	943	6,629	8,552
	1904	6	315	212	280	222	532		1904	51	215	1,021	186	459	938
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.															
RENO.....	1914	41	336	1,556	\$324	\$1,808	\$2,571	RENO (Continued).....	1909	40	310	1,746	\$308	\$1,171	\$1,802

<sup>1</sup> Includes "lumber, planing-mill products, not including planing mills connected with sawmills."  
<sup>2</sup> Excludes statistics for two establishments, to avoid disclosure of individual operations.

MANUFACTURES—NEVADA.

TABLE 21.—DETAIL STATEMENT FOR THE STATE, BY INDUSTRIES

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—		Male.		Female.	Male.	Female.		
							Maximum month.	Minimum month.							

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1	All industries.....	180	4,113	179	102	149	28	3,655	Jy	4,128	De	2,853	(*)	(*)	(*)	(*)	.....	\$13,590,803
2	Artificial stone products.....	3	4	3	.....	.....	.....	1	Se	4	Ja	0	4	4	.....	.....	.....	21,067
3	Bread and other bakery products.....	31	108	38	7	4	1	65	Oc	68	Ja	60	68	56	11	1	.....	86,915
4	Butter.....	11	75	43	7	3	1	21	Je	23	No	19	21	21	.....	.....	.....	139,924
5	Cars and general shop construction and repairs by steam-railroad companies.	9	1,523	.....	15	39	1	1,468	Au	1,530	Je	1,363	1,400	1,400	.....	.....	.....	890,156
6	Confectionery and ice cream.....	4	12	5	.....	.....	.....	7	Au	11	De	4	4	2	2	.....	.....	19,304
7	Flour-mill and gristmill products.....	7	40	5	4	2	1	28	No	36	Je	25	26	22	4	.....	.....	584,087
8	Foundry and machine-shop products	4	43	2	4	2	1	34	Fe	46	Se	12	43	43	.....	.....	.....	70,053
9	Gas, illuminating and heating.....	3	38	.....	6	11	5	16	Je	20	De	12	14	13	1	.....	.....	268,446
10	Ice, manufactured.....	3	15	5	1	.....	.....	9	Au	11	Mh	7	9	9	.....	.....	.....	274,285
11	Marble and stone work.....	3	7	4	.....	.....	.....	3	Se	5	De	0	3	3	.....	.....	.....	19,700
12	Mineral and soda waters.....	12	22	8	1	1	.....	12	Au	15	Ap	9	11	11	.....	.....	.....	54,613
13	Printing and publishing, book and job.	4	34	1	6	1	1	25	Oc	27	De	23	23	19	3	1	.....	115,551
14	Printing and publishing, newspapers and periodicals.	38	201	32	16	10	7	136	Oc	142	Mh	129	141	119	8	14	.....	500,651
15	Saddlery and harness.....	6	28	3	2	.....	.....	22	Au	23	Mh	21	22	22	.....	.....	.....	57,660
16	Slaughtering and meat packing	4	118	.....	8	15	4	91	Je	94	Ja	87	91	91	.....	.....	.....	788,712
17	Tobacco, cigars.....	10	23	12	.....	.....	.....	10	Se	14	Apr	4	13	9	4	.....	.....	13,537
18	All other industries*.....	28	1,822	18	32	61	4	1,707	.....	.....	.....	.....	.....	.....	.....	.....	.....	9,688,142

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

1	RENO.....	41	453	29	30	45	13	336	Je	356	De	317	347	317	15	15	.....	\$2,016,413
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\* Owned power only.

<sup>2</sup> Includes rented power, other than electric.

<sup>3</sup> No figures shown for reasons given in the "Explanation of terms."

\*All other industries embrace—

Automobile repairing.....	1	Copper, tin, and sheet-iron work.....	2	Lime.....	1
Brick.....	2	Food preparations.....	1	Liquors, malt.....	3
Chemicals.....	1	Jewelry.....	1	Lumber and timber products.....	1

MANUFACTURES—NEVADA.

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.				
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. <sup>1</sup>	Internal-combustion engines. <sup>2</sup>	Water wheels and motors. <sup>1</sup>	Electric (rented).	Electric horsepower generated in establishments reporting.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

\$233,930	\$236,991	\$3,577,936	\$24,324	\$38,710	\$153,935	\$3,025,279	\$1,291,536	\$16,083,304	\$6,766,489	18,748	13,433	143	909	4,263	13,311	1
		1,298			50	2,863	50	8,690	5,777	18		8			10	2
	1,980	66,704		10,561	1,131	160,250	10,119	316,018	145,649	38		20			18	3
5,413	982	20,890	1,032	360	953	358,693	4,450	446,870	73,727	173	70	20			83	4
34,693	53,163	1,230,025			12,430	829,010	102,738	2,260,964	1,329,216	2,737	1,916	13		808	1,185	5
		5,050		1,620	139	29,315	717	50,500	20,468	15			4		11	6
6,660	3,120	21,546	1,950	300	2,901	273,885	3,252	356,566	109,429	465	15		300	150	25	7
14,363	3,560	48,426	1,899		967	46,668	8,049	158,910	104,193	158				158		8
4,290	4,734	15,895			4,220	5,936	18,301	76,712	52,475	130	76			54		9
1,980		11,598		150	1,697	3,825	16,853	42,717	22,039	452	432			20	68	10
		2,625		50	93	3,160	75	9,850	6,615	10					10	11
900	62	10,809		966	1,312	19,026	1,612	53,389	32,751	48	24	2			22	12
9,621	1,480	27,960	34	5,353	674	25,789	890	85,501	58,322	24				24		13
27,823	21,422	135,040	4,359	11,335	4,893	61,714	9,602	387,541	316,225	200		60	5	135		14
3,900	600	19,430		2,220	505	31,730	739	70,825	38,356	11					11	15
16,719	22,616	98,076		1,320	5,064	1,585,011	19,144	1,853,270	249,115	407				407		16
	514	7,076		1,248	1,973	16,216	252	38,685	22,217							17
107,568	122,758	1,855,405	15,050	3,227	114,936	4,562,188	1,094,693	9,836,296	4,179,415	13,862	10,900	20	600	2,342	12,033	18

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

\$57,564	\$56,162	\$323,771	\$3,884	\$17,156	\$33,282	\$1,757,034	\$50,553	\$2,570,523	\$762,936	1,556	305	20	100	1,131	.....	1
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\* None reported for one or more other months.

<sup>5</sup> Same number reported for one or more other months.

\*All other industries embrace—Continued.  
Lumber, planing-mill products, not including planing mills connected with sawmills..... 4  
Paints..... 1

Paving materials..... 1  
Salt..... 2  
Smelting, copper..... 2

Soap..... 1  
Springs, steel, automobile..... 1  
Wall plaster..... 3

# NEW HAMPSHIRE.

By E. R. LOWELL.

## GENERAL STATISTICS.

**General character of the state.**—New Hampshire was one of the original thirteen states. With a gross area of 9,341 square miles, of which 9,031 represent land surface, it ranks forty-third in size among the states. Its inhabitants in 1900 numbered 411,588, and in 1910, 430,572, and its estimated population in 1914 was 439,000. In total population New Hampshire ranked thirty-ninth among the states in 1910; and in density of population it ranked nineteenth, with 47.7 inhabitants per square mile, the corresponding figure for 1900 being 45.6.

The urban population of the state in 1910—that is, the population residing in cities and other incorporated places of 2,500 inhabitants or more—was 255,099, or 59.2 per cent of the total, as against 55 per cent in 1900. There were in the state in 1914 eight cities each having an estimated population of more than 10,000—Berlin, Concord, Dover, Keene, Laconia, Manchester, Nashua, and Portsmouth. These cities, whose aggregate population in that year formed 42 per cent of the estimated total population of New Hampshire, reported 60.9 per cent of the total value of the state's manufactured products.

The steam-railway mileage in 1914, as reported by the Interstate Commerce Commission, was 1,256, and the electric-railway mileage in 1912 (the latest year for which figures are available) was 232.

The total value of farm crops in 1909 was \$15,976,175. Grain raising has for some time been on the decline, and the present trend is toward forestry, dairying, fruit growing, and, in the south-eastern part, truck gardening.

**Importance and growth of manufactures.**—New Hampshire's manufactured products in 1914 were valued at \$182,843,863; the average number of wage earners employed in its manufacturing industries was 78,993; and the value added by manufacture, which is the best measure of the importance of manufacturing industries, amounted to \$67,850,428. In 1914 and 1909 the state ranked twenty-ninth and twenty-eighth, respectively, in value of products; twentieth in average number of wage earners; and twenty-eighth and twenty-seventh, respectively, in value added by manufacture. The output of manufactured products in New Hampshire in 1914 represented eight-tenths of 1 per cent of the total for the United States, as measured by value, and the same proportion was reported in 1909 and 1904.

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

	MANUFACTURING INDUSTRIES.				PER CENT OF INCREASE. <sup>1</sup>		
	1914	1909	1904	1899	1909-1914	1904-1909	1899-1904
Number of establishments.....	1,736	1,961	1,618	1,771	-11.5	21.2	-8.6
Persons engaged.....	85,013	84,191	69,758	(2)	1.0	20.7	.....
Proprietors and firm members.....	1,646	2,014	1,726	(2)	-18.3	16.7	.....
Salaried employees.....	4,374	3,519	2,666	2,068	24.3	32.0	28.9
Wage earners (average number).....	78,993	78,658	65,366	67,616	0.4	20.3	-3.4
Primary horsepower.....	344,093	293,991	218,344	209,975	17.0	34.6	8.6
Capital.....	\$156,748,853	\$139,989,652	\$109,495,072	\$92,146,025	12.0	27.9	18.8
Salaries and wages.....	46,523,773	40,391,440	30,665,310	28,049,307	15.2	31.7	9.3
Salaries.....	5,881,380	4,191,178	2,972,107	2,199,676	40.3	41.0	35.1
Wages.....	40,642,393	36,200,262	27,693,203	25,849,631	12.3	30.7	7.1
Paid for contract work.....	1,342,368	1,072,186	984,094	(2)	25.2	9.0	.....
Rent and taxes (including internal revenue).....	2,167,003	1,508,475	946,650	(2)	43.7	.....	.....
Cost of materials.....	114,993,435	98,157,016	73,216,387	60,163,380	17.2	34.1	21.7
Value of products.....	182,843,863	164,581,019	123,610,904	107,590,803	11.1	33.1	14.9
Value added by manufacture (value of products less cost of materials).....	67,850,428	66,424,003	50,394,517	47,427,423	2.1	31.8	6.3

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Figures not available.

<sup>3</sup> Exclusive of internal revenue.

All of the items in this table, except contract work, show greater percentages of increase for the five-year period 1904-1909 than for either the earlier or later period. The amount paid for contract work depends upon the methods of operation and not upon the magnitude, therefore the increase of 25.2 per cent in this item from 1909 to 1914, compared with the increase of only 9 per cent for the earlier period, is of no

significance. The number of establishments reported at the census of 1914 represents a decrease of 225, or 11.5 per cent, as compared with the corresponding total for 1909, due in large measure to the decreases in two very important industries in the state—lumber and flour-mill and gristmill products. The largest percentage of decrease, 18.3 per cent, during this five-year period, was in the number of proprietors and

firm members. While most of this was due to the falling off in the number of establishments in the two industries just referred to, which were chiefly of individual and partnership organization, no doubt it was in some degree affected by the changes in character of ownership as shown in Table 14. Value of products, although greater at each successive census for which figures are given in the table, shows a smaller percentage of increase for the period 1909-1914 than for

either of the preceding five-year periods. The same condition exists in value added by manufacture, where the increase was 2.1 per cent for the period 1909-1914, as compared with 31.8 per cent from 1904 to 1909 and 6.3 per cent from 1899 to 1904.

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.

INDUSTRY.	CENSUS OF 1914.						PER CENT OF INCREASE. <sup>1</sup>									
	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.....	1,736	78,993	100.0	\$182,843,363	100.0	\$67,850,428	100.0	0.4	20.3	-3.4	11.1	33.1	14.9	2.1	31.8	6.3
Boots and shoes, including cut stock and findings.....	71	14,815	18.8	46,694,765	25.5	12,983,167	19.1	4.3	32.3	-13.5	18.4	72.7	-3.9	15.7	58.4	0.5
Cotton goods, including cotton small wares.....	20	21,669	27.4	35,793,044	19.6	13,003,455	19.2	-2.3	13.0	-3.5	6.5	13.7	28.4	-10.2	31.1	0.1
Paper and wood pulp.....	30	3,905	4.9	17,708,138	9.7	5,171,022	7.6	14.4	35.3	5.5	26.5	55.7	23.3	9.1	31.6	9.4
Lumber and timber products.....	515	7,275	9.2	16,554,418	9.1	8,124,005	12.0	-14.0	24.7	-25.3	8.3	32.1	-0.2	1.3	27.9	-6.9
Woolen and worsted goods.....	40	9,532	12.1	15,039,284	8.2	4,952,463	7.3	0.5	44.1	62.8	-10.1	17.1	87.4	-12.1	17.3	66.7
Foundry and machine-shop products.....	89	2,647	3.4	5,325,087	2.9	3,281,585	4.8	10.5	18.6	-6.6	7.6	52.5	-6.5	1.0	56.8	0.7
Hosiery and knit goods.....	20	3,328	4.2	4,282,739	2.3	1,903,319	2.8	6.4	12.2	12.0	-10.1	19.9	53.2	-10.5	21.9	37.0
Leather, tanned, curried, and finished.....	8	452	0.6	2,843,759	1.6	612,827	0.9	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flour-mill and gristmill products.....	79	144	0.2	2,734,820	1.5	311,818	0.5	24.1	-9.4	-18.5	-14.2	25.4	15.3	-17.5	94.8	-28.9
Tobacco, cigars.....	36	1,058	1.3	2,390,363	1.3	1,174,848	1.7	85.3	67.0	20.4	91.2	119.3	3.6	104.5	85.8	12.8
Marble and stone work.....	85	1,176	1.5	1,803,656	1.0	1,408,263	2.1	-23.0	45.7	20.5	-0.8	50.9	11.6	-7.3	64.5	16.7
Bread and other bakery products.....	152	480	0.6	1,671,355	0.9	693,491	1.0	5.7	27.2	7.9	-0.4	56.6	28.9	10.4	48.5	10.2
Furniture.....	26	745	0.9	1,554,272	0.9	831,323	1.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Printing and publishing.....	136	709	0.9	1,448,002	0.8	1,084,949	1.6	4.7	5.0	-4.6	28.1	16.7	6.2	24.4	16.0	8.0
Cooperage and wooden goods, not elsewhere specified.....	19	555	0.7	1,062,931	0.6	624,414	0.9	-22.2	-2.7	-5.2	12.1	-4.0	19.8	25.1	-16.0	17.4
Wood, turned and carved.....	24	666	0.8	971,189	0.5	465,956	0.7	4.6	12.1	2.8	34.7	13.7	29.7	12.3	19.3	20.4
Gas, illuminating and heating.....	14	244	0.3	841,590	0.5	517,283	0.8	-1.2	73.9	17.4	44.9	19.5	36.5	23.2	26.1	17.8
Clothing, men's and youths'.....	8	341	0.4	757,058	0.4	251,920	0.4	.....	82.6	5.3	.....	79.2	4.8	.....	85.6	5.5
Butter.....	20	42	0.1	636,835	0.3	107,855	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carriages and wagons and materials.....	35	298	0.4	437,962	0.2	244,799	0.4	-29.0	-19.4	-15.4	-40.3	-6.4	-13.5	-36.9	-21.3	-11.5
Brick.....	21	345	0.4	416,771	0.2	392,972	0.4	-12.6	-25.0	-10.8	-21.8	0.8	-1.7	-24.4	-0.3	-3.3
Clothing, women's.....	4	197	0.2	379,102	0.2	179,175	0.3	-13.3	-36.4	-12.7	-4.3	-34.2	15.8	27.0	-29.5	2.6
Electrical machinery, apparatus, and supplies.....	6	228	0.3	351,877	0.2	186,869	0.3	18.1	.....	.....	-9.3	158.7	-17.6	-19.7	275.8	-38.0
Upholstering materials.....	9	137	0.2	321,410	0.2	112,151	0.2	1.4	47.9	.....	32.2	38.4	.....	2.8	22.5	.....
All other industries.....	278	8,065	10.1	20,765,796	11.4	9,320,953	13.7	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> Percentages are based on figures in Table 32; 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 24 industries, or industry groups, for each of which products valued at more than \$300,000 were reported for 1914. These industries include 5 with products exceeding \$10,000,000 in value, 10 with products between \$1,000,000 and \$10,000,000, and 9 with products valued at less than \$1,000,000. Among those included under the head of "all other industries," are the following which have products exceeding in value some of those presented in the table: Cars and general shop construction and repairs by steam-railroad companies; cars, steam-railroad, not including operations of railroad companies; malt liquors; paper goods, not elsewhere specified; silk goods, including throwsters; leather belting; silversmithing and silverware; buttons; sporting and athletic goods; musical instruments, piano and organ materials; refrigerators; asbestos products; and grease and tallow, statistics for which can not be shown separately without the possi-

bility of disclosing the operations of individual establishments.

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 from that given if based on average number of wage earners or value added by manufacture. Boots and shoes, including cut stock and findings, which ranked first in value of products was second in average number of wage earners and value added by manufacture, while cotton goods, including cotton small wares, second in value of products, was first in average number of wage earners and value added by manufacture. Paper and wood pulp, third in value of products, ranked fourth in value added by manufacture and fifth in average number of wage earners; whereas lumber, fourth in value of products and number of wage earners, was third in value added by manufacture. Woolen and worsted goods ranked third in average number of wage

earners but occupied fifth place in value of products and value added by manufacture. The textile industry, if considered in its entirety, would rank first in all respects—value of products, average number of wage earners, and value added by manufacture. The most noticeable difference in rank between the three items is shown for the flour-mill and gristmill industry, which ranked ninth in value of products, seventeenth in value added by manufacture, and twenty-second in number of wage earners. Machinery is used largely in this industry, and comparatively few employees are required; therefore the proportional value added to the raw material by manufacture is small in comparison with the corresponding proportions for most other industries.

In rank according to value of products, there were few changes in 1914 as compared with 1909. Of the more important industries shown in the table, boots and shoes, including cut stock and findings, cotton goods, including cotton small wares, lumber and timber products, foundry and machine-shop products, and hosiery and knit goods held the same rank at both censuses. The woolen and worsted goods and the paper and wood pulp industries exchanged rank, the former being third in value of products in 1909 and fifth in 1914. Malt liquors, eleventh at the census of 1909, had to be omitted from the table in 1914, to avoid the possibility of disclosing individual operations. The manufacture of cigars, with an increase of 91.2 per cent in value of products, advanced from thirteenth place in 1909 to tenth in 1914. For the remainder of the industries slight changes from census to census are noticeable.

*Boots and shoes, including cut stock and findings.*—This industry, which is the leading one in the state, shows an increase of 18.4 per cent in value of products during the five-year period 1909–1914. In the manufacture of boots and shoes, New Hampshire holds fourth place in the United States in value of products.

*Textiles.*—The three most important branches of the textile industry—cotton goods, including cotton small wares, woolen and worsted goods, and hosiery and knit goods—reported products amounting to \$55,115,067, or 30.1 per cent of the total value of manufactured products for the state, and gave employment to 34,529, or 43.7 per cent of the total average number of wage earners. Three other branches of textile manufactures—cordage and twine, linen goods, and silk goods including throwsters—for which reports were received, could not be shown without the possibility of disclosing individual operations.

Cotton goods, including cotton small wares is not only the most important branch of the textile industry but ranks first among the industries in the state in average number of wage earners and value added by manufacture, and second in value of products. It is

the only branch of the textile industry presented in this table which shows an increase in value of products during the five-year period 1909–1914.

Woolen and worsted goods decreased considerably in both value of products and value added by manufacture during this period, 10.1 per cent and 12.1 per cent, respectively, while in average number of wage earners there was an increase of less than 1 per cent.

Hosiery and knit goods show practically the same percentage of decrease in value of products (10.1) as in value added by manufacture (10.5), but in average number of wage earners there was an increase of 6.4 per cent.

*Paper and wood pulp.*—There has been a substantial growth in this industry since the census of 1899, the products showing an increase of 144.4 per cent in value. During the five-year period 1909–1914 wage earners increased 492, or 14.4 per cent, value of products, \$3,713,887, or 26.5 per cent, and value added by manufacture, \$430,180, or 9.1 per cent. The natural resources of New Hampshire, its forests of pulp wood, and its large water power, together with the increased demand for wood pulp, are responsible for the growth of this industry.

*Lumber and timber products.*—This is one of the oldest and most important manufacturing industries of the state. It embraces logging operations, saw-mills and planing mills, wooden-box factories, the pulp-wood industry, and the manufacture of window and door screens, and has by far the largest number of establishments of any industry in the state. It shows an increase of only 8.3 per cent in value of products from 1909 to 1914, as compared with 32.1 per cent from 1904 to 1909; while the value added by manufacture increased 1.3 per cent and 27.9 per cent, respectively, during these periods. The slower growth of this industry during the later period can be largely attributed to the fact that much of the lumber formerly used in its operations is now being made into pulp to supply the growing demand in the paper 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."

In 1914 the number of persons engaged in manufactures was 85,013, of whom 78,993, or 92.9 per cent, were wage earners; 3,077 were proprietors and officials; and 2,943 were clerks and other subordinate salaried employees. Of the wage earners 16 years of age and over, 55,598, or 70.8 per cent, were males, and 22,910, or 29.2 per cent, were females. Figures for individual industries will be found in Table 33.

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.				
		Total.	Male.	Female.	Per cent of total.	
					Male.	Female.
All classes.....	1914 1909	85,013 84,191	60,655 58,021	24,358 25,297	71.3 70.0	28.7 30.0
Proprietors and officials.....	1914 1909	3,077 3,279	2,985 3,181	92 98	97.0 97.0	3.0 3.0
Proprietors and firm members..	1914	1,640	1,573	73	95.9	4.4
Salaried officers of corporations..	1914	2,014	1,931	83	95.9	4.1
Superintendents and managers..	1914	375	365	10	97.3	2.7
	1909	371	368	3	99.2	0.8
	1914	1,050	1,047	9	99.1	0.9
	1909	894	882	12	98.7	1.3
Clerks and other subordinate salaried employees.	1914	2,943	1,792	1,151	60.9	39.1
	1909	2,254	1,441	813	63.9	36.1
Wage earners (average number).....	1914	78,993	55,878	23,115	70.7	29.3
	1909	78,658	54,302	24,356	69.0	31.0
16 years of age and over.....	1914	78,608	55,598	22,910	70.8	29.2
	1909	77,462	53,574	23,888	69.2	30.8
Under 16 years of age.....	1914	485	280	205	57.7	42.3
	1909	1,190	728	468	60.9	39.1

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.

This table shows an increase during the five-year period for each of the several classes of employees, with the exception of proprietors and firm members and wage earners under 16 years of age. The decrease in the number of proprietors and firm members was referred to in the discussion of Table 1. While there was a decrease of 59.4 per cent in wage earners under 16 years of age, the proportion which this class formed of the total number of wage earners was insignificant, being only six-tenths of 1 per cent in 1914 and 1.4 per cent in 1909. Wage earners 16 years of age and over represented 92.3 per cent of the total number of persons engaged in manufacturing industries in the state in 1914 and 92 per cent in 1909.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.								
	Per cent of increase, <sup>1</sup> 1909-1914.			Per cent distribution.					
	Total.	Male.	Female.	Total.		Male.		Female.	
				1914	1909	1914	1909	1914	1909
All classes.....	1.0	2.9	-3.6	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials.....	-6.2	-0.2	.....	3.6	3.9	4.9	5.4	0.4	0.4
Proprietors and firm members.....	-18.3	-18.5	.....	1.9	2.4	2.6	3.3	0.3	0.3
Salaried officers of corporations.....	1.1	-0.8	.....	0.4	0.4	0.6	0.6	(?)	(?)
Superintendents and managers.....	18.1	18.7	.....	1.2	1.1	1.7	1.5	(?)	(?)
Clerks and other subordinate salaried employees.....	30.0	24.4	41.0	3.5	2.7	3.0	2.4	4.7	3.2
Wage earners (average number).....	0.4	2.0	-5.1	92.0	93.4	92.1	92.2	94.9	90.4
16 years of age and over.....	1.4	3.8	-4.1	92.3	92.0	91.7	90.9	94.1	91.5
Under 16 years of age.....	-59.4	-61.5	-50.2	0.6	1.4	0.5	1.2	0.8	1.9

<sup>1</sup> A minus sign (-) denotes decrease; percentages are omitted where base is less than 100.

<sup>2</sup> Less than one-tenth of 1 per cent.

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.

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.							
	Number.			Per cent distribution.			Per cent of increase. <sup>1</sup>	
	1914	1909	1904	1914	1909	1904	1909-1914	1904-1909
Total.....	85,013	84,191	69,758	100.0	100.0	100.0	1.0	20.7
Proprietors and firm members.....	1,640	2,014	1,723	1.9	2.4	2.5	-18.3	16.7
Salaried employees.....	4,374	3,519	2,606	5.1	4.2	3.8	24.3	32.0
Wage earners (average).....	78,993	78,658	65,309	92.9	93.4	93.7	0.4	20.3

<sup>1</sup> A minus sign (-) denotes decrease.

Salaried employees and wage earners, as well as the total for all classes, show increases for both five-year periods, but the increases were much greater for the earlier than for the later period. The actual increase in number of salaried employees was practically the

same during the two periods, but the rate of increase from 1904 to 1909 was 32 per cent, while that from 1909 to 1914 was only 24.3 per cent. For proprietors and firm members an increase is shown for the five-year period 1904-1909 and a decrease for the later period.

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 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.

For all industries combined, for the period 1909 to 1914, there has been an increase in the proportion of male wage earners over 16 years of age and a decrease in the proportions of females over 16 years of age and of children under 16 years of age. During the five-year period 1904 to 1909 the only change in the proportion which each class formed of the total was in females 16 years of age and over, where a decrease of one-tenth of 1 per cent is shown.

**Table 6**

INDUSTRY.	Census year.	WAGE EARNERS.					INDUSTRY.	Census year.	WAGE EARNERS.				
		Average number. <sup>1</sup>	Per cent of total.			Under 16 years of age.			Average number. <sup>1</sup>	Per cent of total.			Under 16 years of age.
			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.		
All industries.....	1914	78,993	70.4	29.0	0.6	Hosiery and knit goods.....	1914	3,328	30.6	69.7	2.7		
	1900	78,658	68.1	30.4	1.5		1900	3,129	31.3	66.7	1.9		
	1904	65,366	68.1	30.5	1.5	Lumber and timber products.....	1914	7,275	98.0	1.7	0.3		
Boots and shoes, including cut stock and findings.....	1914	14,815	66.3	32.9	0.8		1900	8,464	98.3	1.2	0.5		
	1900	14,211	66.3	31.3	2.4	Marble and stone work.....	1914	1,176	99.7	0.3	0.1		
Bread and other bakery products.....	1914	480	82.9	16.5	0.6		1900	1,527	99.9	.....	0.1		
	1900	454	78.4	17.6	4.0	Needles, pins, and hooks and eyes.....	1914	366	48.9	50.8	0.3		
Brick.....	1914	345	99.4	0.6	.....		1900	438	51.4	47.3	1.4		
	1900	395	98.7	0.8	0.5	Paper and wood pulp.....	1914	3,905	95.9	4.1	.....		
Clothing, men's and youths'.....	1914	341	7.6	92.4	.....		1900	3,413	96.2	3.8	.....		
	1900	471	8.7	90.9	0.4	Printing and publishing.....	1914	709	73.6	25.1	1.3		
Cooperage and wooden goods, not elsewhere specified.....	1914	555	95.1	1.6	3.2		1900	677	68.4	20.5	2.1		
	1900	713	93.3	3.9	2.8	Tobacco, cigars.....	1914	1,058	75.8	24.0	0.2		
Cotton goods, including cotton small wares..	1914	21,609	56.2	43.2	0.6		1900	571	72.9	26.3	0.9		
	1900	22,200	49.7	48.3	2.0	Wood, turned and carved.....	1914	666	95.6	3.8	0.6		
Flour-mill and gristmill products.....	1914	144	100.0	.....	.....		1900	637	98.1	0.3	1.6		
	1900	116	100.0	.....	.....	Woolen and worsted goods.....	1914	9,532	61.3	38.1	0.6		
Foundry and machine-shop products.....	1914	2,647	96.5	3.3	0.2		1900	9,486	56.3	42.2	1.6		
	1900	2,396	95.3	4.3	0.5	All other industries.....	1914	9,237	84.6	15.1	0.2		
Furniture.....	1914	745	98.9	0.5	0.5		1900	8,447	86.1	13.3	0.9		
	1900	823	94.7	2.6	2.8								

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

Of the 18 industries for which comparative figures are given in this table, 9 show increases in the proportion of males and 7 increases in the proportion of females, while in only 2—cooperage and wooden goods, not elsewhere specified, and hosiery and knit goods—were there increases in the proportion of children under 16 years of age. The flour-mill and gristmill industry is conspicuous as the only industry employing only males 16 years of age and over at both censuses. In 1914 the largest proportion of females 16 years of age and over, 92.4 per cent, was employed in the manufacture of men's and youths' clothing, and in this

industry there were no wage earners reported under 16 years of age. Hosiery and knit goods and needles, pins, and hooks and eyes, also show large proportions of female wage earners 16 years of age and over, 66.7 per cent and 50.8 per cent, respectively, in 1914.

Table 7 shows the average number and the per cent distribution of wage earners employed in each of the eight 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 7**

SEX AND AGE.	Census year.	AVERAGE NUMBER OF WAGE EARNERS IN—							
		Berlin.	Concord.	Dover.	Keene.	Laconia.	Manchester.	Nashua.	Portsmouth.
Total.....	1914	2,680	2,856	2,483	2,068	2,621	25,843	7,382	1,000
	1909	2,477	2,693	3,030	1,769	2,235	24,735	17,265	992
	1904	.....	2,654	2,859	.....	.....	17,579	6,159	638
16 years of age and over:									
Male.....	1914	2,651	2,631	1,559	1,730	1,623	15,708	5,262	764
	1909	2,466	2,385	2,086	1,450	1,375	13,840	4,950	734
	1904	.....	2,353	1,910	.....	.....	9,802	4,014	501
Female.....	1914	28	222	901	336	998	9,993	2,094	324
	1909	6	283	927	269	846	10,583	2,156	244
	1904	.....	289	926	.....	.....	7,438	1,970	135
Under 16 years of age.....	1914	1	3	23	2	.....	172	26	2
	1909	5	25	17	.....	.....	312	150	14
	1904	.....	12	23	50	14	330	169	2
Per cent of total:									
16 years of age and over—									
Male.....	1914	98.9	92.1	62.8	83.7	61.9	60.8	71.3	70.1
	1909	99.6	88.6	68.8	82.0	61.5	59.0	68.3	74.0
	1904	.....	88.7	66.8	.....	.....	55.8	65.2	78.5
Female.....	1914	1.0	7.8	36.3	16.2	38.1	38.6	28.4	29.7
	1909	0.2	10.5	30.6	15.2	37.0	42.8	29.7	24.6
	1904	.....	10.9	32.4	.....	.....	42.3	32.1	21.2
Under 16 years of age.....	1914	( <sup>3</sup> )	0.1	0.9	0.1	.....	0.7	0.4	0.2
	1909	.....	0.0	0.6	2.8	0.6	1.3	2.1	1.4
	1904	.....	0.5	0.8	.....	.....	1.9	2.7	0.3

<sup>1</sup> Figures do not agree with those published in 1909, because certain establishments revised their reports for that census.

<sup>2</sup> Figures do not agree with those published in 1909, because it was necessary to revise them in order to include data for those establishments located within the corporate limits of the city.

<sup>3</sup> Less than one-tenth of 1 per cent.

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

CITY.	Period.	Total.	16 years of age and over.		Under 16 years of age.
			Male.	Female.	
			Berlin.....	1909-1914		8.2	7.5	.....
Concord.....	1904-1914	7.0	11.8	-23.2	
	1909-1914	0.1	10.3	-21.0	
	1904-1909	1.5	1.4	-2.1	
Dover.....	1904-1914	-13.2	-18.4	-2.7	
	1909-1914	-18.1	-25.3	-2.8	
	1904-1909	6.0	9.2	0.1	
Keene.....	1909-1914	16.9	19.3	24.9	
Laconia.....	1909-1914	17.3	18.0	18.0	
Manchester.....	1904-1914	47.0	60.3	33.0	-49.3
	1909-1914	4.5	13.5	-5.9	-44.0
	1904-1909	46.7	41.2	42.3	-8.0
Nashua.....	1904-1914	19.9	31.1	0.0	-81.6
	1909-1914	1.6	6.1	-2.9	-82.7
	1904-1909	18.0	23.5	0.1	-11.2
Portsmouth.....	1904-1914	70.8	52.5	140.0	.....
	1909-1914	9.9	4.1	32.8	.....
	1904-1909	65.5	46.5	80.7	.....

<sup>1</sup> A minus sign (-) denotes decrease; percentages are omitted where base is less than 100.

The proportion of male wage earners 16 years of age and over is greatly in excess of that for females in every city, the only cities in which the proportion of adult males in 1914 fell below 70 per cent being Dover, Laconia, and Manchester, and in each of these places it was over 60 per cent. In every city, except Dover, there is a decrease in the number of wage earners under 16 years of age from 1909 to 1914.

In Manchester, the most important city of the state in respect to number of wage earners employed, the percentage of males 16 years of age and over increased from 56 per cent in 1909 to 60.8 per cent in 1914, while during the same period the percentage of adult females decreased from 42.8 to 38.6, and that of children from 1.3 to seven-tenths of 1 per cent.

The highest percentage of increase in total number of wage earners during the period 1909 to 1914 is shown for Laconia, 17.3, and the next highest, 16.9,

for Keene. Manchester and Portsmouth show exceptionally large increases for the decade, but in these cities practically the entire growth took place during the period 1904 to 1909.

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.

MONTH.	Number. <sup>1</sup>					
	1914			Per cent of maximum.		
	1914	1909	1904	1914	1909	1904
January.....	82,803	78,438	66,510	100.0	94.6	80.3
February.....	82,243	79,077	66,371	99.3	97.7	79.8
March.....	81,296	79,519	66,402	98.2	98.2	100.0
April.....	80,099	77,637	65,839	96.7	96.0	79.0
May.....	79,344	78,127	65,913	95.8	96.5	79.1
June.....	78,427	78,021	65,181	94.7	96.4	78.0
July.....	78,018	76,324	63,285	91.2	91.3	75.2
August.....	77,279	76,975	62,876	93.3	95.1	74.5
September.....	76,982	77,850	61,442	93.0	96.2	76.9
October.....	77,402	80,108	65,799	93.5	99.0	78.9
November.....	76,993	80,797	65,591	93.0	99.8	78.6
December.....	77,030	80,936	66,087	93.0	100.0	79.4

<sup>1</sup> 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.

The most important industries of the state are not seasonal, therefore little fluctuation in the number of wage earners employed is shown. The greatest difference between the maximum and minimum months in any one of the three census years was 5,821 in 1914, when the minimum number was 93 per cent of the maximum.

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 city having more than 10,000 inhabitants.

INDUSTRY AND CITY.	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.....	78,993	<b>82,803</b>	<b>82,243</b>	<b>81,296</b>	80,099	79,344	78,427	78,018	77,279	<i>76,982</i>	77,402		76,993	77,030	93.0
Boots and shoes, including cut stock and findings.....	14,815	<b>15,767</b>	15,530	14,770	14,196	<i>14,176</i>	14,671	14,921	15,183	14,963	14,700	14,337	14,586	89.9
Bread and other bakery products.....	480	465	<i>464</i>	464	469	475	500	502	497	477	478	478	477	92.4
Brick.....	345	74	76	81	180	670	684	700	618	495	316	145	101	10.6
Carriages and wagons and materials.....	298	302	311	315	322	<b>323</b>	309	294	283	<i>273</i>	281	281	282	84.5
Clothing, men's and youths'.....	341	345	355	355	350	343	350	338	334	<i>328</i>	331	329	335	92.4
Copperage and wooden goods, not elsewhere specified.....	555	580	576	589	577	565	543	530	<i>472</i>	533	555	577	563	80.1
Cotton goods, including cotton small wares.....	21,669	<b>21,800</b>	<b>21,930</b>	21,802	21,900	21,743	21,577	21,870	21,546	21,400	<i>21,185</i>	21,614	21,601	96.6
Cutlery and tools.....	204	211	202	214	220	213	219	185	<i>151</i>	194	215	213	211	68.6
Electrical machinery, apparatus, and supplies.....	228	258	255	213	234	228	224	222	211	<i>193</i>	221	222	222	74.8
Flour-mill and gristmill products.....	144	145	143	143	<i>141</i>	144	143	143	145	146	143	144	148	95.3

Table 10—Continued.

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.	
Foundry and machine-shop products.....	2,617	<b>3,021</b>	2,889	2,845	2,755	2,724	2,656	2,509	<i>2,410</i>	<i>2,410</i>	2,483	2,495	2,567	79.8
Furniture.....	745	763	773	789	795	770	767	700	<i>651</i>	721	730	730	742	81.9
Gas, illuminating and heating.....	214	218	229	220	227	270	252	244	250	308	258	219	208	98.6
Hosiery and knit goods.....	3,328	<b>3,632</b>	3,453	3,590	3,661	3,675	3,499	3,314	3,112	<i>3,079</i>	3,152	3,143	3,166	84.8
Lumber and timber products.....	7,275	8,801	<b>9,151</b>	9,007	8,196	7,275	6,858	5,776	<i>5,588</i>	5,880	6,491	6,053	7,424	69.5
Marble and stone work.....	1,170	899	715	789	1,223	1,430	1,592	1,569	1,453	1,410	1,415	1,010	<i>646</i>	41.4
Needles, pins, and hooks and eyes.....	306	382	388	370	372	398	344	337	<i>359</i>	369	308	377	375	86.6
Paper and wood pulp.....	3,905	4,021	3,992	4,047	3,956	3,905	3,813	3,824	<i>3,762</i>	3,913	3,781	3,837	3,986	93.0
Printing and publishing.....	709	699	703	710	708	722	705	<i>698</i>	696	709	707	725	725	95.6
Tobacco, cigars.....	1,058	<i>994</i>	1,020	1,025	1,029	1,050	1,056	1,101	1,090	1,105	1,089	1,070	1,061	96.0
Woolen and worsted goods.....	9,532	9,752	9,694	9,893	9,858	9,800	9,551	9,166	9,413	<i>9,109</i>	9,472	9,365	9,120	92.0
All other industries.....	8,929	<b>9,681</b>	9,491	9,023	8,830	8,560	8,132	9,091	9,123	9,011	9,032	8,704	8,614	85.4
Total for cities.....	47,023	<b>48,105</b>	47,523	47,036	46,811	46,748	46,406	48,016	47,433	46,773	46,747	46,452	46,136	95.9
BERLIN.....	2,680	2,601	2,730	2,708	2,931	2,890	2,802	2,892	2,547	2,418	2,539	2,575	2,625	79.8
CONCORD.....	2,856	2,853	2,663	2,614	2,697	2,714	2,739	3,048	3,060	3,033	3,061	2,954	2,836	85.4
DOVER.....	2,483	2,472	2,352	2,389	2,401	2,520	2,445	2,432	2,538	2,503	2,549	2,590	2,605	90.3
KEENE.....	2,068	2,137	1,967	1,859	1,938	1,872	2,018	2,236	2,091	2,249	2,283	2,156	2,010	81.4
LACONIA.....	2,621	2,977	2,926	2,869	2,701	2,755	2,676	2,610	2,599	2,323	2,379	2,361	<i>2,306</i>	77.5
MANCHESTER.....	25,843	26,284	26,304	25,982	25,755	25,738	25,674	26,384	26,328	25,711	25,696	25,278	<i>24,112</i>	95.2
NASHUA.....	7,882	7,679	7,414	7,416	7,297	7,109	<i>7,049</i>	7,324	7,217	7,500	7,598	7,454	7,557	91.8
PORTSMOUTH.....	1,090	1,099	1,107	1,109	1,091	1,141	1,093	1,090	1,083	<i>1,036</i>	1,062	1,084	1,085	90.8

Of the selected industries, cotton goods, with the greatest average number of wage earners, shows the least fluctuation, the number of wage earners in October, the minimum month, being 96.6 per cent of the number in February, the maximum month. The greatest degree of fluctuation is shown in brick manufacture, which is a seasonal industry, the number of wage earners for the minimum month being but 10.6 per cent of the number for the maximum month.

Of the eight cities, Manchester shows the greatest stability of employment, the percentage that the minimum formed of the maximum for this city being 95.2. The greatest degree of fluctuation appears for Laconia, where the proportion that the minimum formed of the maximum was 77.5.

**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 a less number of hours.

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 1909 there were 11,280, or 14.3 per cent of the total average number of wage earners for all industries combined, employed in establishments where the prevailing hours of labor were 60 or more per week, whereas in 1914 there were only 6,130, or 7.8 per cent, so employed. There was also a slight

decrease in the number of wage earners working between 54 and 60 hours per week. On the other hand, the number of wage earners whose working hours were 54 and under per week increased from 9,443, or 12 per cent of the total for the state, in 1909 to 15,099, or 19.1 per cent of the total, in 1914.

The increase in the number of wage earners working over 72 hours per week is due to a condition prevailing in the paper and wood-pulp industry. The reports show that most of the mills operate two shifts, usually 11 hours in the day and 13 hours at night, and that different classes worked different periods in each shift. Under these varied conditions it is impossible to present an exact statement of the hours of labor in this industry.

Among the separate industries, boots and shoes, including cut stock and findings, shows the most pronounced decrease in hours of labor. In 1909, 88.7 per cent of the wage earners in this industry were employed in establishments where the hours of labor were less than 60 per week, but in 1914 the proportion thus employed had increased to 99.6 per cent. In the manufacture of cigars practically all of the wage earners, 99 per cent, worked in establishments reporting their prevailing hours of labor as 48 and under per week in 1914, while but 20.1 per cent were so employed in 1909.

In 1914, for all industries combined and for many of them separately, the majority of the wage earners were employed in establishments in which the hours of labor were between 54 and 60 per week. There were, however, a few notable exceptions; in the men's and youths' clothing industry, where over nine-tenths of the wage earners were women, establishments where the working hours were 48 and under per week reported

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71.3 per cent of the wage earners; in marble and stone work practically all of the wage earners were employed in establishments where the prevailing hours per week were 48 and under.

Of the combined total average number of wage earners, 47,023, for the eight cities in 1914, 45,373, or 96.5 per cent, were in establishments where the hours of labor were less than 60 per week.

In Berlin only 14 of the 2,680 wage earners worked

in establishments where the prevailing hours were 60 and over per week, and in Manchester, where there were 25,843 wage earners, 25,490, or 98.6 per cent, worked in establishments where the hours of employment were fewer than 60 a week. The largest proportion in the 60-hour group, 12.3 per cent, is shown for Nashua, while by far the greatest proportion in establishments reporting their prevailing hours as 48 and under, 34.8 per cent, is found for Berlin.

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 1909	78,903 78,658	4,480 3,510	5,021 1,991	5,598 3,936	37,764 37,835	5,162 10,087	631 847	232 276	105 70
Boots and shoes, including cut stock and findings.....	1914 1909	14,815 14,211	346	377 12	319 130	13,712 12,459	61 1,004			
Bread and other bakery products.....	1914 1909	480 464	77 25	8 5	109 99	28 31	177 259	12 22	9 8	6
Brick.....	1914 1909	345 365			111	101 108	102 194	31 93		
Carriages and wagons and materials.....	1914 1909	269 420	2	70 127	61 70	113 120	52 163			
Clothing, men's and youths'.....	1914 1909	341 471	213 251	24 34		74 103	11			
Cooperage and wooden goods, not elsewhere specified.....	1914 1909	555 713		1	18 1	213 342	320 370	3		
Cotton goods, including cotton small wares.....	1914 1909	21,060 22,290			30	21,030 22,290				
Cutlery and tools.....	1914 1909	204 208	2		125 182	75 82	4 2			
Electrical machinery, apparatus, and supplies.....	1914 1909	228 193		45	10	167 133	60			
Flour-mill and gristmill products.....	1914 1909	144 119	7 11		9	48 5	78 98	1 1	1	
Foundry and machine-shop products.....	1914 1909	2,047 2,300	39 27	20 21	474 665	1,879 1,984	235 309			
Furniture.....	1914 1909	746 823		2	53	512 428	178 395			
Gas, illuminating and heating.....	1914 1909	244 247	2 6		53	38 16	110 20	41 180		45
Hosiery and knit goods.....	1914 1909	3,328 3,129		3	661 6	2,664 3,123				
Lumber and timber products.....	1914 1909	7,275 8,409	65 45	215 44	1,260 926	2,763 3,058	2,008 4,114	44 271	6	
Marble and stone work.....	1914 1909	1,176 1,627	1,157 1,474		16 46	1 4	2 3			
Needles, pins, and hooks and eyes.....	1914 1909	360 438				360 438				
Paper and wood pulp.....	1914 1909	3,005 3,413	615 1,282	1,114 608	270	780 446	22 651	479 244	220 262	105 20
Printing and publishing.....	1914 1909	700 677	193 180	169 76	198 132	140 205	3 84			
Tobacco, cigars.....	1914 1909	1,058 571	1,047 116	11		453	3			
Woolen and worsted goods.....	1914 1909	9,532 9,486			1,032	8,470 8,883	597			
All other industries.....	1914 1909	8,920 7,958	357 98	2,992 1,163	693 851	3,985 4,098	910 1,120	26 56	2	
Total for cities.....	1914	47,023	3,022	4,482	2,330	35,530	1,578	21	51	
BERLIN.....	1914	2,680	634	1,119	613		5	3	6	
CONCORD.....	1914	2,856	456	1,290	213		32	7		
DOVER.....	1914	2,483	7	490	214	1,817	36			
KEENE.....	1914	2,088	172	445	184	1,039	226		2	
LACONIA.....	1914	2,621	10	627	417	1,488			69	
MANCHESTER.....	1914	25,843	1,171	240	158	23,892	310		43	
NASHUA.....	1914	7,382	82	64	494	6,191	910	1		
PORTSMOUTH.....	1914	1,060	190	220	157	523				

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

	Census year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.						DISTRICTS OUTSIDE OF CITIES <sup>1</sup> 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 1910 1900	..... ..... .....	8 8 6	..... ..... .....	6 6 4	..... ..... .....	2 2 1	..... ..... .....	..... ..... .....	..... ..... .....
Population <sup>1</sup> .....	1914 1910 1900	438,662 430,572 411,588	184,187 174,112 124,361	42.0 40.4 30.2	81,051 78,044 67,374	18.6 18.1 16.4	102,536 96,068 59,987	23.4 22.3 13.8	254,475 250,490 287,227	58.6 59.6 60.8
Number of establishments.....	1914 1909 1899	1,730 1,961 1,771	563 616 402	32.4 31.4 22.7	325 337 236	18.7 17.2 13.3	238 279 166	13.7 14.2 9.4	1,173 1,345 1,369	67.6 68.6 77.2
Average number of wage earners.....	1914 1909 1899	78,993 78,658 67,646	47,023 46,196 30,191	59.5 57.5 44.6	13,798 13,196 12,320	17.5 10.8 18.2	33,225 32,000 17,862	42.1 40.7 26.4	31,970 33,462 37,455	40.5 42.5 55.4
Value of products.....	1914 1909 1899	\$182,843,863 164,581,019 107,590,803	\$111,434,728 96,114,271 48,336,336	60.9 58.4 44.9	\$37,854,617 31,070,218 23,707,991	20.7 19.4 22.0	\$73,580,111 64,138,653 24,628,345	40.2 39.0 22.9	\$71,409,135 68,466,748 59,254,467	39.1 41.0 55.1
Value added by manufacture.....	1914 1909 1899	67,850,428 66,421,003 47,427,423	39,714,376 37,496,637 21,171,813	58.5 56.4 44.6	16,031,624 14,234,758 10,346,676	23.6 21.4 21.8	23,683,752 23,261,879 10,825,138	34.9 35.0 22.8	28,136,052 28,027,366 26,255,610	41.5 43.5 55.4

<sup>1</sup> Census estimate of population for 1914.

A comparison of the combined proportions which the eight cities with a population of 10,000 and over, formed of the totals for the state shows increases in all items during the five-year period 1909-1914, as well as for the decade 1899-1909.

In 1914 the population of these cities formed 42 per cent of the total for the state, and reported 60.9 per cent of the total value of products, as compared with 40.4 per cent and 58.4 per cent, respectively, in 1909, and 30.2 per cent and 44.9 per cent, respectively, in 1900.

The two cities having a population of over 25,000, Manchester and Nashua, in 1914, represented 23.4 per cent of the population of the state, 42.1 per cent of the average number of wage earners, and 40.2 per cent of the value of products.

The relative importance in manufactures of each of the eight 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. Those for which comparative figures are not shown for 1904 had less than 10,000 inhabitants in that year.

CITY.	AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
	1914	1909	1904	1914	1909	1904
Manchester.....	25,843	24,735	17,579	\$50,799,667	\$46,811,919	\$30,696,926
Nashua.....	7,382	17,205	6,159	22,780,444	17,325,134	12,858,382
Berlin.....	2,680	2,477	.....	13,089,804	18,771,646	.....
Concord.....	2,856	2,693	2,654	6,743,687	6,476,477	5,373,624
Dover.....	2,483	3,030	2,859	5,682,095	6,370,110	6,042,901
Laconia.....	2,621	2,235	.....	4,496,770	24,000,506	.....
Portsmouth.....	1,090	992	638	3,923,812	2,871,188	2,602,050
Keene.....	2,063	1,769	.....	3,918,449	3,483,291	.....

<sup>1</sup> Figures do not agree with those published in 1909, because certain establishments revised their reports for that census.  
<sup>2</sup> Figures do not agree with those published in 1909, because it was necessary to revise them in order to include data for those establishments located within the corporate limits of the city.

Manchester and Nashua hold first and second place, respectively, at each census period presented in the table in both value of products and average number or wage earners. There was little change in the rank of cities during the decade either in value of products or average number of wage earners. All, except Portsmouth and Keene, show the same rank in value of products in 1914 and 1909. These two cities changed rank, Portsmouth advancing from eighth place in 1909 to seventh in 1914.

Manchester contributed 27.8 per cent of the total value of manufactured products for the state in 1914. Among the important industries reported for this city may be mentioned boots and shoes, including cut stock and findings; cotton goods; worsted goods; the manufacture of cigars; and lumber and timber products. The leading industries in Nashua were boots and shoes, including findings, cotton goods, and paper goods; in Berlin, paper and wood pulp, and lumber and timber products; in Concord, steam-railroad repair shops and leather bolting; in Dover, cotton goods, leather, tanned, curried, and finished, and boots and shoes, including findings; in Laconia, hosiery and steam-railroad cars; in Portsmouth, malt liquors, boots and shoes, and buttons; and in Keene, furniture, steam-railroad repair shops, and worsted goods.

Character of ownership.—Table 14 presents statistics in respect to 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.								
		Individuals.	Corporations.	All others.	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.				
All industries.....	1914	966	452	318	78,093	7,548	65,742	5,703	9.6	83.2	7.2	\$182,843,863	\$17,862,403	\$151,189,609	\$13,791,848	9.8	82.7	7.5				
	1909	1,122	424	415	78,658	8,225	61,653	8,780	10.5	78.4	11.2	164,581,019	16,087,245	126,642,602	20,951,172	10.3	76.9	12.7				
	1904	894	398	386	65,366	7,593	47,712	10,061	11.0	73.0	15.4	123,619,904	13,882,206	88,159,033	21,569,665	11.2	71.3	17.4				
Boots and shoes, including out stock and findings.	1914	15	42	14	14,815	693	12,703	1,419	4.7	85.7	9.6	46,694,705	1,444,213	41,145,315	4,105,237	3.1	88.1	8.8				
	1909	21	30	17	14,211	1,247	9,464	3,500	8.8	60.0	24.6	39,439,544	2,110,765	28,507,078	8,821,701	5.4	72.3	22.4				
Bread and other bakery products.	1914	129	3	20	480	333	31	116	69.4	6.5	24.2	1,676,355	1,178,346	96,260	401,749	70.3	5.7	24.0				
	1909	129	3	25	454	295	13	146	65.0	2.9	32.2	1,085,244	1,085,244	46,340	551,648	64.5	2.8	32.8				
Flour-mill and gristmill products.	1914	40	5	28	144	57	46	41	39.0	31.0	28.5	2,733,820	875,235	1,133,793	724,792	32.0	41.5	26.5				
	1909	67	4	34	118	65	4	47	56.0	3.4	40.5	3,187,344	1,167,549	97,155	1,022,640	36.6	3.0	60.3				
Foundry and machine-shop products.	1914	31	34	15	2,647	187	2,233	227	7.1	84.4	8.6	5,325,087	393,392	4,517,681	474,014	6.3	84.8	8.9				
	1909	33	33	15	2,396	283	1,929	184	11.8	80.5	7.7	4,946,894	515,184	3,880,634	551,676	10.4	78.4	11.2				
Furniture.....	1914	5	19	5	745	39	576	130	5.2	77.3	17.4	1,554,272	90,381	1,212,471	251,420	5.8	78.0	16.2				
	1909	10	10	6	823	161	352	310	19.6	42.8	37.7	1,544,451	233,150	756,951	554,350	15.1	49.0	35.9				
Hosiery and knit goods...	1914	3	12	5	3,328	170	2,437	721	5.1	73.2	21.7	4,282,739	240,166	3,296,657	745,916	5.6	77.0	17.4				
	1909	3	13	5	3,129	12	2,426	691	0.4	77.5	22.1	4,764,119	26,460	3,593,221	1,144,438	0.6	75.4	24.0				
Lumber and timber products.	1914	347	71	97	7,275	2,481	3,545	1,249	34.1	48.7	17.2	16,551,468	5,008,213	8,937,785	2,608,470	30.3	54.0	15.8				
	1909	381	66	142	8,464	2,332	3,780	1,852	33.5	44.7	21.9	15,281,357	4,740,959	7,236,451	3,306,956	31.0	47.3	21.0				
Marble and stone work...	1914	45	12	28	1,170	197	611	368	16.8	52.0	31.3	1,803,656	421,112	778,839	603,714	23.3	43.2	33.5				
	1909	54	11	34	1,527	517	726	281	33.9	47.5	18.6	1,818,262	702,624	692,701	422,637	38.6	38.1	23.3				
Paper and wood pulp.....	1914	1	23	6	3,065	.....	3,549	1,356	.....	96.9	0.1	17,798,138	.....	16,491,371	1,216,767	.....	93.1	6.9				
	1909	1	22	5	3,413	.....	3,321	1,021	.....	97.3	2.7	13,994,251	.....	13,585,631	408,620	.....	97.1	2.9				
Printing and publishing..	1914	95	22	19	709	242	385	82	31.1	54.3	11.6	1,448,602	430,096	859,595	158,911	29.7	59.3	11.0				
	1909	104	18	21	677	294	306	77	43.3	45.2	11.4	1,130,647	468,207	525,061	137,376	41.4	46.4	12.2				
Woolen and worsted goods.	1914	12	23	5	9,532	662	8,529	344	6.9	89.4	3.6	15,939,281	1,261,236	12,950,777	827,271	8.4	86.1	5.5				
	1909	8	25	6	9,486	470	8,635	381	5.0	91.0	4.0	14,730,652	919,166	15,024,612	785,874	5.5	89.8	4.7				
Total for cities.....	1914	272	107	94	47,023	2,874	42,426	1,723	6.1	90.2	3.7	111,434,728	7,679,599	99,016,819	4,738,400	6.9	88.9	4.3				
BERLIN.....	1914	8	7	4	2,680	61	2,599	17	2.4	97.0	0.6	13,080,804	135,450	12,911,700	42,654	1.0	98.6	0.3				
CONCORD.....	1914	35	31	29	2,850	144	2,270	433	5.0	79.8	15.2	6,743,687	286,737	5,182,279	824,671	4.3	83.5	12.2				
DOVER.....	1914	40	9	9	2,483	321	2,107	55	12.9	81.9	2.2	5,682,095	1,848,943	3,733,637	99,215	32.5	65.7	1.7				
KEENE.....	1914	24	33	11	2,068	168	1,764	136	8.1	85.3	6.6	3,918,349	305,678	3,213,984	398,787	10.1	82.0	7.9				
LACONIA.....	1914	28	16	11	2,621	269	1,775	577	10.3	67.7	22.0	4,496,770	543,628	3,444,211	508,931	12.1	76.6	11.3				
MANCHESTER.....	1914	78	51	22	25,813	1,340	21,219	254	5.2	93.8	1.0	50,799,667	3,117,510	46,930,667	752,125	6.1	92.4	1.5				
NASHUA.....	1914	35	38	14	7,382	567	6,612	203	6.9	90.0	3.2	22,789,444	1,161,622	19,475,575	2,143,247	5.1	85.5	0.4				
PORTSMOUTH.....	1914	21	12	3	1,006	61	1,011	18	5.6	92.8	1.7	3,923,812	189,911	3,675,131	58,770	4.8	93.7	1.5				

<sup>1</sup> Includes the group "Individuals."

The marked tendency toward the corporate form of ownership in the state is shown by the increasing proportion of the total average number of wage earners and value of products reported by corporations at each successive census. While this class reported but 26 per cent of the total number of establishments in the state in 1914, it is credited with 82.7 per cent of the total value of products and 83.2 per cent of the total average number of wage earners for all classes of establishments. In 1914, with the exception of bread and other bakery products, the largest proportions of the total value of products for each of the 11 industries for which separate statistics are given are shown for establishments under corporate ownership. This condition prevailed also as regards all industries combined in each of the eight cities shown in the table. Dover, with 32.5 per cent of the value of its products reported by establishments under individual ownership, shows by far the largest proportion outside of corporate ownership of any city in the state.

The most noticeable change in form of ownership is in the flour-mill and gristmill industry, many of the smaller establishments having gone out of business

during the five-year period 1909-1914. In this industry corporations reported only 3.4 per cent of the average number of wage earners and 3 per cent of the total value of products in 1909; while in 1914 practically the same number of establishments under this form of organization shows 31.9 per cent of the average number of wage earners and 41.5 per cent of the total value of products.

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.

In 1914, 231 establishments, or 13.3 per cent of the total number in the state, each reported products exceeding \$100,000 in value, as compared with 218, or 11.1 per cent of the total, in 1909, and 194, or 12 per cent, in 1904. In 1914 these establishments reported 84.2 per cent of the average number of wage earners for the state, 86.5 per cent of the total value of products, and 80.9 per cent of the total value added by manufacture. These establishments show increased proportions of the total at each successive census, from 81.3 per cent in 1904 to 84 per cent in 1909 and

86.5 per cent in 1914. In the same year the small establishments—those having products under \$5,000 in value—although representing 30.2 per cent of the

total number of establishments, reported less than 1 per cent of the total number of wage earners and value of products.

**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.....	1,730	1,061	1,618	78,093	78,658	65,366	\$182,843,863	\$104,581,019	\$123,610,904	\$67,850,428	\$66,424,003	\$50,394,517
Less than \$5,000.....	524	663	500	607	693	801	1,276,013	1,603,933	1,299,094	837,389	1,034,742	794,073
\$5,000 to \$20,000.....	581	648	536	3,027	3,695	3,517	6,096,318	6,733,411	5,681,962	3,400,763	3,810,066	3,197,498
\$20,000 to \$100,000.....	400	432	388	8,707	9,696	9,141	17,322,635	18,070,662	16,188,793	8,600,410	9,501,082	8,808,274
\$100,000 to \$1,000,000.....	103	184	174	24,784	26,809	29,222	56,098,762	57,399,937	55,101,461	23,428,906	24,282,557	21,803,313
\$1,000,000 and over.....	38	34	20	41,688	37,525	22,685	100,040,235	80,784,016	45,869,594	31,462,969	27,701,650	16,731,440
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.....	30.2	33.8	30.9	0.9	1.2	1.2	0.7	1.0	1.0	1.2	1.6	1.6
\$5,000 to \$20,000.....	33.5	33.0	33.1	3.8	4.7	5.4	3.3	4.1	4.6	5.1	5.7	6.3
\$20,000 to \$100,000.....	23.0	22.0	24.0	11.1	12.3	14.0	9.5	11.0	13.1	12.8	14.3	17.5
\$100,000 to \$1,000,000.....	11.1	9.4	10.8	31.4	34.1	44.7	31.8	34.9	44.6	34.5	36.0	43.4
\$1,000,000 and over.....	2.2	1.7	1.2	62.8	47.7	34.7	54.7	49.1	36.7	46.4	41.8	31.2

Table 16 gives, for 1914 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		1914		1909		1914		1909		1914		1909	
	Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.	
<b>BOOTS AND SHOES, INCLUDING CUT STOCK AND FINDINGS.....</b>	71	68	100.0	100.0	14,815	14,211	100.0	100.0	\$46,604,705	\$30,439,544	100.0	100.0	\$12,083,167	\$11,224,404	100.0	100.0
Less than \$20,000 <sup>1</sup> .....	9	6	12.7	8.8	53	56	0.4	0.4	82,887	59,185	0.2	0.2	49,160	28,090	0.4	0.3
\$20,000 to \$100,000.....	14	16	19.7	23.5	418	477	2.8	3.4	675,303	649,779	1.4	1.6	305,833	282,614	2.4	2.5
\$100,000 to \$1,000,000.....	34	36	47.9	51.5	5,597	6,233	37.8	43.0	13,925,139	14,038,051	29.8	35.6	4,701,017	4,541,768	36.0	40.5
\$1,000,000 and over.....	14	11	19.7	16.2	8,747	7,445	59.0	52.4	32,011,846	24,601,638	68.6	62.6	7,836,267	6,371,332	60.4	59.8
<b>BREAD AND OTHER BAKERY PRODUCTS.....</b>	152	157	100.0	100.0	480	454	100.0	100.0	1,676,355	1,683,232	100.0	100.0	693,491	628,400	100.0	100.0
Less than \$5,000.....	42	55	27.6	35.0	38	40	7.9	8.8	125,883	107,431	7.5	6.9	55,959	60,637	8.1	10.0
\$5,000 to \$20,000.....	94	83	61.8	52.9	273	233	56.9	51.3	936,782	813,054	55.0	48.3	303,114	322,825	56.7	51.4
\$20,000 and over <sup>2</sup> .....	16	19	10.6	12.1	169	181	35.2	39.0	613,690	762,747	36.0	41.7	244,418	238,947	35.2	38.0
<b>FLOUR-MILL AND GRIST-MILL PRODUCTS.....</b>	79	105	100.0	100.0	144	116	100.0	100.0	2,733,820	3,187,344	100.0	100.0	311,818	378,667	100.0	100.0
Less than \$5,000.....	6	18	7.6	17.1	2	7	1.4	6.0	15,936	53,500	0.6	1.7	3,440	8,358	1.1	2.2
\$5,000 to \$20,000.....	38	47	48.1	44.8	37	36	25.7	31.0	447,363	553,078	16.4	17.4	72,548	80,516	23.3	21.3
\$20,000 and over.....	35	40	44.3	38.1	105	73	72.0	62.0	2,270,581	2,580,166	83.1	81.0	235,824	289,793	75.6	76.5
<b>FOUNDRY AND MACHINE-SHOP PRODUCTS.....</b>	80	81	100.0	100.0	2,647	2,306	100.0	100.0	5,325,987	4,046,804	100.0	100.0	3,281,585	3,248,037	100.0	100.0
Less than \$5,000.....	15	18	18.8	22.2	21	21	0.8	0.9	40,078	51,724	0.8	1.0	27,239	36,280	0.8	1.1
\$5,000 to \$20,000.....	25	18	31.2	22.2	151	93	5.7	3.0	244,828	177,813	4.6	3.6	160,174	117,349	5.2	3.6
\$20,000 to \$100,000.....	32	36	40.0	44.4	735	819	27.8	34.2	1,364,642	1,015,422	25.0	32.7	844,845	674,803	25.7	30.0
\$100,000 and over <sup>4</sup> .....	8	9	10.0	11.1	1,740	1,463	65.7	61.1	3,675,539	3,101,935	69.0	62.7	2,240,327	2,110,035	68.3	65.3
<b>FURNITURE.....</b>	26	26	100.0	100.0	745	823	100.0	100.0	1,554,272	1,544,451	100.0	100.0	831,323	818,487	100.0	100.0
Less than \$5,000.....	4	4	15.4	15.4	9	14	1.2	1.7	11,211	12,419	0.7	0.8	7,349	6,125	0.9	0.7
\$5,000 to \$20,000.....	4	3	15.4	11.5	34	21	4.6	2.6	43,069	34,175	2.8	2.2	25,313	16,811	3.0	2.0
\$20,000 to \$100,000.....	15	15	57.7	57.7	509	444	68.3	53.9	904,529	689,119	58.2	44.6	406,180	399,303	50.7	47.1
\$100,000 to \$1,000,000.....	3	4	11.5	15.4	193	344	25.0	41.8	595,463	808,747	38.3	52.4	302,475	426,248	36.4	50.2
<b>HOSE AND KNIT GOODS.....</b>	20	21	100.0	100.0	3,328	3,120	100.0	100.0	4,282,739	4,764,119	100.0	100.0	1,903,319	2,128,446	100.0	100.0
Less than \$20,000 <sup>1</sup> .....	4	5	20.0	23.8	26	17	0.8	0.5	22,783	33,095	0.5	0.7	10,645	18,010	0.6	0.8
\$20,000 to \$100,000.....	3	5	15.0	23.8	298	451	9.0	14.4	132,575	289,882	3.1	6.1	81,018	180,496	4.8	9.0
\$100,000 to \$1,000,000.....	13	11	65.0	52.4	3,004	2,601	90.3	85.0	4,127,382	4,441,142	96.4	93.2	1,801,656	1,905,940	94.7	89.5
<b>LUMBER AND TIMBER PRODUCTS.....</b>	515	589	100.0	100.0	7,275	8,464	100.0	100.0	10,551,468	15,284,357	100.0	100.0	8,124,066	8,021,070	100.0	100.0
Less than \$5,000.....	180	218	35.0	36.7	325	448	4.5	5.3	400,468	551,316	2.8	3.6	325,068	390,914	4.0	4.9
\$5,000 to \$20,000.....	180	218	35.0	37.0	1,132	1,555	15.6	18.4	2,010,483	2,209,556	12.1	14.5	1,304,388	1,510,347	16.1	18.0
\$20,000 to \$100,000.....	125	127	24.3	21.6	2,632	2,742	34.8	32.4	5,103,735	5,000,163	30.8	32.7	2,686,425	2,702,055	33.1	33.7
\$100,000 and over <sup>4</sup> .....	30	28	5.8	4.8	3,280	3,719	45.2	43.9	8,979,782	7,523,322	54.2	49.2	3,807,585	3,404,854	46.0	42.4

<sup>1</sup> Includes the group "less than \$5,000."

<sup>2</sup> Includes the group "\$100,000 to \$1,000,000."

<sup>3</sup> Includes the groups "\$100,000 to \$1,000,000" and "\$1,000,000 and over."

<sup>4</sup> 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		1914		1909		1914		1909		1914		1909	
	Average number.	Per cent of total.	Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
MARBLE AND STONE WORK.	85	99	100.0	100.0	1,170	1,527	100.0	100.0	\$1,803,656	\$1,818,262	100.0	100.0	\$1,408,263	\$1,520,275	100.0	100.0
Less than \$5,000.	31	35	36.5	35.4	34	53	2.9	3.5	70,548	97,266	4.4	5.3	58,207	73,430	4.1	4.8
\$5,000 to \$20,000.	34	44	46.0	44.4	100	297	10.7	10.4	330,100	461,189	18.3	25.4	243,100	347,469	17.3	22.9
\$20,000 to \$100,000.	10	17	18.8	17.2	482	615	41.0	40.3	680,007	742,363	37.7	40.8	522,817	625,363	37.1	41.1
\$100,000 and over <sup>2</sup> .	4	3	4.7	3.0	464	562	30.5	36.8	617,506	517,506	39.6	28.5	581,130	474,013	41.5	31.2
PAPER AND WOOD PULP.	30	34	100.0	100.0	3,905	3,413	100.0	100.0	17,708,138	13,094,251	100.0	100.0	5,171,062	4,740,882	100.0	100.0
\$20,000 to \$100,000.	13	10	43.3	47.1	228	265	5.8	7.8	808,483	920,501	4.6	6.6	287,403	437,069	5.6	9.2
\$100,000 to \$1,000,000.	12	13	40.0	38.2	1,137	1,139	29.1	33.4	4,150,504	4,037,946	23.4	28.9	1,470,256	1,472,355	28.6	31.1
\$1,000,000 and over.	5	5	16.7	14.7	2,510	2,009	60.6	58.9	12,740,061	9,035,804	72.0	61.6	3,404,403	2,830,558	65.8	59.7
PRINTING AND PUBLISHING.	136	143	100.0	100.0	709	677	100.0	100.0	1,448,602	1,130,647	100.0	100.0	1,084,049	920,214	100.0	100.0
Less than \$5,000.	76	90	55.9	62.9	73	104	10.3	15.4	108,523	199,070	11.6	17.6	131,457	150,220	12.1	16.2
\$5,000 to \$20,000.	47	41	34.6	28.7	238	204	33.0	30.0	420,020	373,102	29.5	33.0	325,092	271,795	30.0	29.2
\$20,000 and over <sup>2</sup> .	13	12	9.6	8.4	398	369	56.1	45.0	853,459	638,385	58.9	49.4	628,400	507,199	57.9	54.6
WOOLEN AND WORSTED GOODS.	40	30	100.0	100.0	0,532	0,486	100.0	100.0	15,030,284	16,730,052	100.0	100.0	4,052,463	5,035,582	100.0	100.0
Less than \$100,000.	311	410	27.5	25.0	473	287	5.0	3.0	665,139	402,440	4.4	2.4	282,362	170,212	5.7	3.2
\$100,000 and over <sup>3</sup> .	29	29	72.5	74.4	0,059	0,199	95.0	97.0	14,374,145	16,328,212	95.6	97.6	4,070,101	5,450,340	94.3	96.8

<sup>1</sup> Includes the group "\$5,000 to \$20,000."

<sup>2</sup> Includes the group "\$100,000 to \$1,000,000."

<sup>3</sup> Includes the groups "less than \$5,000" and "\$5,000 to \$20,000."

<sup>4</sup> Includes the group "less than \$5,000."

<sup>5</sup> Includes the group "\$1,000,000 and over."

In 1914, as compared with 1909, this table shows that for 6 of the 11 industries there were decreases in the number of establishments having products under \$5,000 in value. Of the 8 industries showing establishments with products valued at \$100,000 and over, 3 show decreases in number of establishments. Of these, however, 2—foundry and machine-shop products and paper and wood pulp—show increases in number of wage earners, value of products, and value added by manufacture. Except in the cases of 3 industries—furniture, lumber and timber products, and marble and stone work—the greater proportions of the wage earners, value of products, and value added by manufacture were reported for establish-

ments having products valued at \$100,000 and over. Table 17 presents, for 1914, for all industries combined in each of the eight cities having more than 10,000 inhabitants, statistics similar to those given in Table 15 for the state as a whole. In the cities the same general condition is found as prevails for all industries combined in 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 percentage of total value of products reported by establishments in this class, 98.1 and 96.4, appear for Berlin and Manchester, respectively, and the lowest, 60.8, is shown for Keene.

**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.
BERLIN.	19	2,680	100.0	\$13,080,804	100.0	\$4,245,185	100.0
\$5,000 to \$20,000 <sup>1</sup> .	15	125	4.7	247,916	1.9	127,845	3.0
\$1,000,000 and over.	4	2,555	95.3	12,811,888	98.1	4,117,340	97.0
CONCORD.	86	2,856	100.0	6,743,687	100.0	3,031,364	100.0
Less than \$5,000.	21	25	0.9	57,092	0.9	41,142	1.4
\$5,000 to \$20,000.	30	164	5.7	288,038	4.3	171,452	5.7
\$20,000 to \$100,000.	20	562	19.7	911,886	13.5	549,714	18.1
\$100,000 and over <sup>2</sup> .	12	2,105	73.7	5,485,171	81.3	2,269,050	74.0
DOVER.	58	2,483	100.0	5,682,065	100.0	2,025,169	100.0
Less than \$5,000.	21	19	0.8	43,994	0.8	23,973	1.2
\$5,000 to \$20,000.	22	80	3.2	210,208	3.7	110,612	5.5
\$20,000 to \$100,000.	7	127	5.1	309,613	5.4	129,832	6.4
\$100,000 and over <sup>2</sup> .	8	2,257	90.9	5,118,250	90.1	1,760,752	86.9
KEENE.	68	2,068	100.0	3,018,440	100.0	1,997,406	100.0
Less than \$5,000.	10	7	0.3	24,261	0.6	15,089	0.8
\$5,000 to \$20,000.	20	135	6.5	251,040	6.4	165,369	8.3
\$20,000 to \$100,000.	26	623	30.1	1,262,211	32.2	695,205	34.8
\$100,000 to \$1,000,000.	12	1,303	63.0	2,380,937	60.8	1,121,743	56.2
LACONIA.	55	2,621	100.0	4,490,770	100.0	2,656,041	100.0
Less than \$5,000.	13	8	0.3	27,561	0.6	15,196	0.6
\$5,000 to \$20,000.	17	79	3.0	153,610	3.4	90,779	3.4
\$20,000 to \$100,000.	15	536	20.5	684,325	15.2	392,585	14.8
\$100,000 and over <sup>2</sup> .	10	1,998	76.2	3,031,274	80.8	2,157,481	81.2
MANCHESTER.	151	25,813	100.0	\$50,790,667	100.0	\$17,002,565	100.0
Less than \$5,000.	49	57	0.2	121,408	0.2	82,613	0.5
\$5,000 to \$20,000.	41	181	0.7	447,893	0.9	238,042	1.4
\$20,000 to \$100,000.	30	691	2.7	1,268,337	2.5	681,499	4.0
\$100,000 to \$1,000,000.	20	2,145	8.3	5,829,041	11.5	2,257,462	13.3
\$1,000,000 and over.	11	22,769	88.1	43,132,988	84.9	13,742,040	80.8
NASHUA.	87	7,382	100.0	22,780,444	100.0	6,680,187	100.0
Less than \$5,000.	17	22	0.3	41,723	0.2	20,229	0.4
\$5,000 to \$20,000.	30	120	1.7	305,703	1.3	162,180	2.4
\$20,000 to \$100,000.	20	520	7.0	1,000,692	4.4	508,153	7.6
\$100,000 to \$1,000,000.	14	1,268	17.2	4,500,145	19.8	1,467,490	22.0
\$1,000,000 and over.	6	5,446	73.8	16,932,181	74.3	4,516,126	67.6
PORTSMOUTH.	39	1,090	100.0	3,923,812	100.0	2,076,450	100.0
Less than \$5,000.	9	7	0.0	28,937	0.7	13,394	0.6
\$5,000 to \$20,000.	15	46	4.2	118,892	3.0	61,785	3.0
\$20,000 to \$100,000.	8	105	9.6	254,028	6.5	135,693	6.5
\$100,000 and over <sup>2</sup> .	7	932	85.5	3,521,955	89.8	1,865,587	89.8

<sup>1</sup> Includes the groups "less than \$5,000" and "\$20,000 to \$100,000."

<sup>2</sup> Includes the group "\$1,000,000 and over."

Table 18 shows the size of establishments in 1914 as measured by the number of wage earners employed, for all industries combined, for 21 of the more important industries, and for each of the eight cities having more than 10,000 inhabitants.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
	Establishments.	Wage earners (average number)	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.	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.....	1,736	78,993	132	839	1,910	375	4,223	160	5,614	91	6,591	73	11,759	30	10,105	20	15,040	7	23,751
Boots and shoes, including cut stock and findings.....	71	14,815	4	5	9	105	13	500	8	595	15	2,384	13	4,509	9	6,737			
Bread and other bakery products.....	152	480	11	120	291	10	169	2	47										
Brick.....	21	345		7	25	8	99	6	221										
Carriages and wagons and materials.....	35	298	11	15	37	4	33	3	93	2	135								
Clothing, men's and youths'.....	8	341		1	1	2	30	3	103	1	74	1	133						
Cooperage and wooden goods, not elsewhere specified.....	19	555	1	6	12	5	60	3	87	2	168	2	228						
Cotton goods, including cotton small wares, cutlery and tools.....	20	21,009				2	18	3	84			4	692	3	1,161	3	2,232	5	17,482
Electrical machinery, apparatus, and supplies.....	8	294		5	14	1	17			1	69	1	104						
Flour-mill and gristmill products.....	6	228				3	42	1	45	2	141								
Foundry and machine-shop products.....	79	144	14	63	96	1	9	1	39										
Furniture.....	80	2,047	3	31	102	24	336	15	500	2	141	3	527	1	253	1	788		
Gas, illuminating and heating.....	26	745	1	5	14	5	60	10	343	5	328								
Hosiery and knit goods.....	14	214		3	3	7	73	3	93	1	75								
Lumber and timber products.....	20	3,328		3	8	2	34			3	215	8	1,376	3	960	1	626		
Marble and stone work.....	515	7,275	12	269	693	152	1,597	55	1,748	16	1,135	9	1,315	1	292	1	525		
Needles, pins, and hooks and eyes.....	85	1,176	8	45	105	21	251	4	134	5	403	2	283						
Paper and wood pulp.....	6	366						3	110	2	104	1	152						
Printing and publishing.....	30	3,905				9	127	11	380	1	85	4	655	3	1,021	2	1,637		
Tobacco, cigars.....	136	709	35	71	181	25	251	2	40	2	107	1	121						
Woolen and worsted goods.....	46	1,053	8	23	52	3	44	1	23							1	939		
All other industries.....	40	9,532	1			2	12	2	72	19	1,391	12	1,600	3	906			1	5,161
Total for cities.....	329	8,929	27	168	328	71	850	28	943	19	1,155	10	1,089	3	994	2	1,555	1	1,108
BERLIN.....	19	2,680		9	33	4	30			2	63			1	392	3	2,162		
CONCORD.....	86	2,854		9	37	96	20	231	10	423	5	415	4	583				1	1,108
DOVER.....	53	2,433		8	30	62	10	102	3	111	1	51	4	627	1	285			1
KEENE.....	68	2,008		5	19	54	17	185	14	463	10	700	2	274	1	332			
LACONIA.....	55	2,621		5	23	40	8	77	8	258	4	278	4	819	2	528	1	612	
MANCHESTER.....	151	25,843		21	60	144	27	313	15	484	12	733	3	702	4	1,584	6	4,502	3
NASHUA.....	87	7,332		2	42	100	12	165	15	527	5	422	5	722	2	671	3	2,485	1
PORTSMOUTH.....	39	1,030		2	24	61	5	70	3	84	1	62	3	492	1	321			2,390

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.

Of the 1,736 establishments reported for all manufacturing industries in the state, 132, or 7.6 per cent, 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 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. Among the industries, the largest number of these small establishments was reported for printing and publishing.

The comparatively small establishments still predominate in the majority of the industries of the state; 1,214, or 70 per cent, of the total number of estab-

lishments employed on the average less than 21 wage earners during the year. On the other hand, while these small establishments predominate in number they gave employment to only 6,133 wage earners, or 7.7 per cent of the total for all establishments. There were only 130 establishments in the state that reported the employment of more than 100 wage earners each, but these establishments gave employment to 60,655, or 76.8 per cent of the total average number of wage earners reported for all establishments. These large establishments are most conspicuous in the boot and shoe, cotton goods including cotton small wares, and woolen and worsted goods industries.

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 Berlin, 95.3, and Manchester, 93.5, the latter city reporting 67.3 per cent in establishments employing over 1,000 wage earners.

**Table 19**

INDUSTRY AND CITY.	Cen- sus year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.								INDUSTRY AND CITY.	Cen- sus 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			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 1909	2.4 2.7	5.3 6.4	7.1 6.8	8.3 7.0	14.9 15.4	12.8 15.9	19.0 14.7	30.1 30.4	Hosiery and knit goods.....	1914 1909	0.2 0.2	1.0 1.0	6.5 6.6	44.4 35.8	29.1 39.1	18.8 17.3	.....	
Boots and shoes, including out stock and findings.	1914 1909	(1) 0.1	0.7 0.8	3.4 2.8	3.8 6.0	16.2 16.7	30.4 27.4	45.5 30.2	15.5	Lumber and timber products...	1914 1909	9.1 8.8	22.0 25.0	24.0 19.7	15.6 14.0	18.1 14.6	4.0 7.9	7.2 9.0	
Bread and other bakery prod- ucts.	1914 1909	55.0 63.0	35.2 29.5	9.8 7.5	.....	.....	.....	.....	.....	Marble and stone work.....	1914 1909	8.0 7.4	21.3 20.0	11.4 17.7	34.3 17.2	24.1 18.7	18.1 18.1	.....	
Brick.....	1914 1909	7.2 9.9	28.7 32.2	64.1 43.0	.....	.....	.....	.....	.....	Needles, pins, and hooks and eyes.	1914 1909	.....	.....	39.1 35.2	28.4 29.5	41.5 35.4	.....		
Carriages and wagons and ma- terials.	1914 1909	12.4 12.0	11.1 30.2	31.2 9.5	45.3 17.4	30.2	.....	.....	.....	Paper and wood pulp.....	1914 1909	.....	3.3 5.2	9.7 7.6	2.2 3.4	16.8 19.7	26.1 43.9	41.9 20.1	
Clothing, men's and youths'...	1914 1909	0.3 0.8	8.8 8.3	30.2 17.2	21.7 39.3	30.0 34.4	.....	.....	.....	Printing and publishing.....	1914 1909	25.5 27.9	35.4 39.1	6.0 13.9	15.1 19.1	17.1	.....	.....	
Cooperage and wooden goods, not elsewhere specified.	1914 1909	2.2 3.4	10.8 18.8	15.7 14.4	30.3 32.1	41.1 31.3	.....	.....	.....	Tobacco, cigars.....	1914 1909	4.9 10.2	4.2 12.8	2.2	.....	.....	88.8	.....	
Cotton goods, including cotton small wares.	1914 1909	..... (1)	0.1 (1)	0.4 0.2	.....	3.2 3.0	5.4 5.3	10.3 15.9	80.7 75.0	Woolen and worsted goods.....	1914 1909	..... .....	0.1 0.2	0.8 2.2	14.6 7.6	20.9 20.3	9.5 17.0	54.1 62.7	
Cutlery and tools.....	1914 1909	6.9 4.1	8.3 7.1	.....	33.8 25.4	51.0 63.4	.....	.....	.....	All other industries.....	1914 1909	3.7 5.1	9.6 10.4	10.6 18.7	16.3 13.5	18.9 22.9	11.1 22.9	17.4 15.4	12.4
Electrical machinery, appa- ratus, and supplies.	1914 1909	..... 2.1	18.4 13.6	19.7 11.4	61.8 73.1	.....	.....	.....	.....	Total for cities.....	1914	1.3	2.5	5.0	5.9	9.0	8.7	20.8	46.8
Flour-mill and gristmill prod- ucts.	1914 1909	66.7 80.7	6.2 10.3	27.1	.....	.....	.....	.....	.....	BERLIN.....	1914	1.2	1.1	2.4	14.6	80.7	.....	.....	
Foundry and machine-shop products.	1914 1909	3.9 2.0	12.7 11.3	18.9 23.7	5.3 10.4	19.9 30.0	9.6 22.5	20.8	.....	CONCORD.....	1914	3.4	8.1	14.8	14.5	20.4	.....	38.8	
Furniture.....	1914 1909	1.9 1.1	8.1 14.3	40.0 36.3	44.0 25.2	23.1	.....	.....	.....	DOVER.....	1914	2.5	4.1	4.5	2.1	25.3	11.5	50.1	
Gas, illuminating and heating..	1914 1909	1.2 7.3	29.9 14.2	38.1 31.2	30.7	47.4	.....	.....	.....	KEENE.....	1914	2.6	8.9	22.4	36.8	13.2	10.1	.....	
										LACONIA.....	1914	1.9	2.9	9.8	10.6	31.2	20.1	23.4	.....
										MANCHESTER.....	1914	0.6	1.2	1.9	2.8	2.7	6.1	17.4	47.3
										NASHUA.....	1914	1.4	2.2	7.1	5.7	9.8	9.1	31.7	31.0
										PORTSMOUTH.....	1914	5.6	6.4	7.7	5.7	45.1	29.4	.....	

<sup>1</sup> 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.

**Table 20**

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1914	1909	1904	Amount.			Per cent distribution.		
				1914	1909	1904	1914	1909	1904
Primary power, total.....	4,002	3,415	2,137	344,093	293,991	218,344	100.0	100.0	100.0
Owned.....	2,121	2,399	2,137	291,434	268,407	204,599	84.7	91.3	93.7
Steam engines and turbines <sup>1</sup> .....	1,079	1,191	1,032	161,001	139,154	102,930	46.8	47.3	47.1
Internal-combustion engines.....	131	108	72	1,841	1,318	1,395	0.5	0.4	0.6
Water wheels, turbines, and motors.....	911	1,100	1,033	128,592	128,011	100,274	37.4	43.6	45.9
Rented.....	2,781	1,016	(*)	52,659	25,584	13,745	15.3	8.7	6.3
Electric.....	2,781	1,016	(*)	49,171	21,209	5,013	14.3	7.2	2.3
Other.....	(†)	.....	.....	3,488	4,375	8,732	1.0	1.5	4.0
Electric.....	4,379	1,690	161	102,612	45,351	12,301	100.0	100.0	100.0
Rented.....	2,781	1,016	(*)	49,171	21,209	5,013	47.9	46.8	40.8
Generated by establishments reporting.....	1,598	670	161	53,441	24,142	7,288	52.1	53.2	59.2

<sup>1</sup> Figures for horsepower include for 1909 and 1904 the amounts reported under the head of "other" owned power.

<sup>†</sup> Not reported.

This table shows an increase in primary power amounting to 50,102 horsepower, or 17 per cent, from 1909 to 1914, somewhat 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 6.3 per cent of the total primary power reported. In 1909 the amount of rented power had increased to 8.7 per cent of the total and in 1914 to 15.3 per cent. While

the amount of electric power generated within the establishments reporting is greater than that of electric rented power, the proportion which it forms of the total electric power used has decreased from 59.2 per cent in 1904 to 52.1 per cent in 1914.

During the decade 1904-1914 there was an increase in the average capacity of steam engines and turbines and water wheels and motors, but a slight decrease in the average capacity of internal-combustion engines.

Fuel.—Closely related to the kind of power employed in manufactures 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.

INDUSTRY AND CITY.	COAL.					INDUSTRY AND CITY.	COAL.				
	Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).		Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
All industries.....	101,330	635,885	10,169	46,561	19,523	Hosiery and knit goods.....	315	8,680	.....	1	.....
Boots and shoes, including cut stock and findings.....	1,636	22,894	.....	81	2,530	Lumber and timber products.....	95	1,202	.....	528	353
Bread and other bakery products.....	1,976	657	1,193	27	1,888	Marble and stone work.....	84	6,421	1	234	.....
Brick.....	2,297	2,577	15	14	.....	Paper and wood pulp.....	82,154	222,727	.....	.....	.....
Butter.....	150	685	18	2	.....	Printing and publishing.....	500	597	24	11	2,583
Carrriages and wagons and materials.....	271	1,751	160	1,898	35	Woolen and worsted goods.....	2,500	85,528	92	909	.....
Cooperage and wooden goods, not elsewhere specified.....	528	100	.....	61	.....	All other industries.....	3,343	69,156	2,185	6,058	9,320
Cotton goods, including cotton small wares.....	37	178,185	185	1,682	.....	Total for cities.....	90,911	384,005	5,001	36,714	16,570
Cutlery and tools.....	94	723	.....	423	53	BERLIN.....	32,301	101,404	358	.....	.....
Electrical machinery, apparatus, and supplies.....	72	424	.....	.....	180	CONCORD.....	2,239	13,403	1,177	9,955	4,134
Flour-mill and gristmill products.....	48	541	.....	344	.....	DOVER.....	990	23,021	672	2,136	213
Foundry and machine-shop products.....	1,902	6,048	4,262	285	2,571	KEENE.....	1,390	9,736	446	2,295	244
Furniture.....	68	1,466	.....	.....	.....	LACONIA.....	1,784	6,337	901	3,753	1,217
Gas, illuminating and heating.....	3,150	24,863	2,044	33,403	.....	Manchester.....	959	159,623	813	18,136	9,840
						NASHUA.....	649	50,402	1,405	434	672
						PORTSMOUTH.....	698	20,889	159	5	250

SPECIAL STATISTICS.

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

Boots and shoes.—This industry, the leading one in the state in value of products in 1914 as well as in 1909, practically had its beginning after the Civil War. Previous to that time no machinery was used, the industry consisting of piecework on stock cut in the factories in Massachusetts. With the introduction of machinery the real expansion of the industry began, and its rapid growth in the state has placed New Hampshire among the leading states in the manufacture of footwear.

The following table shows the number of pairs of the various kinds of footwear produced in this industry in 1914, 1909, and 1904.

PRODUCT.	NUMBER OF PAIRS.		
	1914	1909	1904
Total.....	24,659,886	25,534,114	22,110,427
Boots and shoes.....	22,708,546	25,069,572	20,790,119
Men's.....	11,048,926	11,698,985	7,835,134
Boys' and youths'.....	4,010,136	4,176,479	3,614,135
Women's.....	3,773,648	4,587,874	4,759,444
Misses' and children's.....	3,875,836	4,606,234	4,581,406
Slippers.....	1,674,374	282,124	1,270,308
Men's, boys', and youths'.....	159,872	.....	244,020
Women's, misses', and children's.....	1,514,502	282,124	1,026,288
Infants' shoes and slippers.....	276,966	182,418	50,000

The industry as a whole shows a slight falling off in production from 1909 to 1914, which is accounted for by the decrease of 9.4 per cent in the "boots and shoes" class. Every item under "boots and shoes" shows a decrease during the period 1909-1914. More men's boots and shoes were made than any other kind, and these decreased 5.6 per cent in 1914 as compared with 1909; boys' and youths' decreased 4 per cent, women's, 17.7 per cent, and misses' and children's, 15.9 per cent.

The manufacture of slippers increased from 282,124 pairs in 1909 to 1,674,374 in 1914, most of them being women's, as the men's represented less than 10 per cent of the total.

Infants' shoes and slippers, representing 1.1 per cent of the total for all classes in 1914, increased 51.8 per cent as compared with 1909.

Table 23 shows a distribution of the various kinds of footwear produced in 1914, according to the methods employed in their manufacture.

PRODUCT.	Census year.	NUMBER OF PAIRS, BY CHARACTER OF MANUFACTURE.				
		Total.	Wetted.	Turned.	McKay.	Wood or metal fastened.
Boots and shoes.....	1914	22,708,546	8,701,304	275,406	12,713,361	1,018,475
	1909	25,069,572	6,296,732	1,010,933	15,560,403	2,201,504
Men's.....	1914	11,048,926	7,644,060	.....	2,591,609	1,813,197
	1909	11,698,985	5,146,983	47,285	5,052,983	1,448,784
Boys' and youths'.....	1914	4,010,136	760,833	.....	3,038,025	1,205,278
	1909	4,176,479	674,291	9,000	3,202,613	290,575
Women's.....	1914	3,773,648	31,284	275,406	3,466,958	.....
	1909	4,587,874	138,854	731,336	3,528,505	189,179
Misses' and children's.....	1914	3,875,836	259,127	.....	3,616,709	.....
	1909	4,606,234	333,604	223,312	3,776,302	273,016
Slippers and infants' shoes.....	1914	1,674,374	66,201	847,433	1,037,706	.....
	1909	282,124	177,920	.....	386,622	.....

<sup>1</sup> Includes "turned," to avoid disclosure of individual operations.

Of the number of pairs of boots and shoes reported in 1914 the largest percentage, 56, were of the McKay type, while 38.3 per cent were welted. Men's shoes show an increase in the welted type, 69.2 per cent being welted in 1914 as against 44 per cent in 1909. By far the greatest number of pairs of boys' and youths' shoes were McKay, but the percentage of welted increased from 16.1 in 1909 to 19.1 in 1914.

In the women's and the misses' and children's classes McKay boots and shoes are most numerous, representing more than 90 per cent of the total in 1914.

Slippers and infants' shoes show that the largest proportion in 1914, 53.2 per cent, was of the McKay type, followed by 43.4 per cent for "turned."

**Cotton manufactures.**—In the following table the quantity and cost of materials and the quantity and value of products of the cotton-goods industry are shown for the census years 1914, 1909, and 1904.

	1914	1909	1904
<b>MATERIALS.</b>			
Total cost.....	\$22,780,580	\$10,123,850	\$18,496,071
<b>Cotton:</b>			
Domestic—			
Pounds.....	134,006,047	136,801,463	131,425,428
Cost.....	\$16,704,341	\$14,761,838	\$15,038,023
Foreign—			
Pounds.....	0,415,766	1,731,161	384,150
Cost.....	\$901,300	\$245,897	\$97,573
<b>Yarn, purchased:</b>			
Pounds.....	2,024,217	1,884,910	1,458,983
Cost.....	\$149,231	\$389,009	\$221,058
<b>Cotton waste, purchased:</b>			
Pounds.....	1,422,815	1,007,102	1,079,822
Cost.....	\$124,510	\$77,881	\$165,560
Starch, cost.....	\$176,701	\$205,768	\$152,204
Chemicals and dyestuffs, cost.....	\$679,600	\$416,408	\$617,402
Fuel and rent of power, cost.....	\$468,341	\$712,063	\$655,299
All other materials, cost.....	\$2,095,547	\$2,821,293	\$987,952
<b>PRODUCTS.</b>			
Total value.....	\$35,793,044	\$33,601,830	\$29,540,770
<b>Unbleached and bleached sheetings, shirtings, and muslins:<sup>1</sup></b>			
Square yards.....	54,353,854	62,200,180	105,127,820
Value.....	\$3,443,893	\$3,598,372	\$5,215,740
<b>Fancy weaves, except drills and gingham, total:</b>			
Square yards.....	67,443,263	72,254,773	71,545,432
Value.....	\$8,517,123	\$7,372,378	\$6,710,840
<b>Twills, satens, etc.—</b>			
Square yards.....	45,353,004	47,921,784	39,229,377
Value.....	\$4,030,594	\$4,372,001	\$2,784,850
<b>Other fancy woven fabrics, except drills and gingham—</b>			
Square yards.....	22,000,240	24,332,094	32,316,055
Value.....	\$3,577,520	\$3,000,272	\$3,925,981
<b>Other woven goods:<sup>2</sup></b>			
Square yards.....	235,878,276	270,370,246	( <sup>1</sup> )
Value.....	\$21,521,742	\$20,021,646	( <sup>1</sup> )
<b>Yarns for sale:</b>			
Square yards.....	908,319	1,930,521	3,859,034
Value.....	\$341,896	\$527,521	\$831,328
<b>Cotton waste, not used for further manufacture:</b>			
Square yards.....	15,360,363	12,366,641	0,651,117
Value.....	\$400,865	\$263,259	\$337,495
All other products, value.....	\$1,555,535	\$1,825,702	\$10,445,358

<sup>1</sup> Excludes statistics for one establishment, to avoid disclosure of individual operations.

<sup>2</sup> The figures for these fabrics represent the combined quantities and values of those designated at prior censuses as "plain cloths for printing and converting" and "brown or bleached sheetings and shirtings."

<sup>3</sup> Includes napped fabrics, gingham, ducks, drills, pillow tubing, mosquito netting, towels and toweling, bags and bagging, and "other plain, woven fabrics."

<sup>4</sup> Not reported completely, value included in "all other products."

The raw cotton used in the industry increased from 134,809,578 pounds, at a cost of \$15,705,596, in 1904 to 141,411,813 pounds, at a cost of \$17,895,650, in 1914, or 4.9 per cent in quantity and 13.9 per cent in

cost. The increase during the decade in the quantity of foreign cotton used was relatively very large, the amount in 1904 being less than half a million pounds, and 1914 nearly six and one half million pounds, while the amount of domestic cotton used remained almost stationary. There was an increase during the ten-year period of more than 100 per cent in the cost of yarn purchased, but its proportionate cost as a material is negligible. While the total value of products was larger at each succeeding census, the quantities of some of the most important fabrics show steady decreases.

**Paper and wood pulp.**—Table 25 shows the quantities and cost of the principal materials used and the quantities and values of the various products of the paper and pulp mills of New Hampshire as reported at the censuses of 1914, 1909, and 1904. The table also gives the number and daily capacity of the paper machines used and the yearly capacity of both pulp and paper mills.

	1914	1909	1904
<b>MATERIALS.</b>			
Total cost.....	\$12,537,076	\$9,253,349	\$5,327,734
<b>Pulpwood:</b>			
Cords.....	381,958	349,997	290,515
Cost.....	\$4,418,756	\$3,222,871	\$2,011,303
<b>Wood pulp, purchased, total:</b>			
Tons.....	92,483	75,127	30,356
Cost.....	\$2,006,426	\$2,248,190	\$747,200
<b>Ground—</b>			
Tons.....	27,442	31,407	19,587
Cost.....	\$534,297	\$611,251	\$343,482
<b>Sulphite fiber—</b>			
Tons.....	29,054	30,599	7,437
Cost.....	\$1,126,222	\$1,452,253	\$360,444
<b>Other chemical fiber—</b>			
Tons.....	35,987	4,121	3,332
Cost.....	\$1,305,907	\$184,686	\$143,274
All other materials, cost.....	\$5,151,894	\$3,782,308	\$2,569,171
<b>PRODUCTS.</b>			
Total value.....	\$17,708,138	\$13,994,251	\$8,030,291
<b>Book paper:</b>			
Tons.....	25,647	14,250	12,039
Value.....	\$1,759,050	\$1,118,334	\$814,070
<b>Wrapping paper:</b>			
Tons.....	77,159	50,400	27,141
Value.....	\$4,147,737	\$2,788,793	\$1,184,128
<b>Boards:</b>			
Tons.....	13,140	12,187	8,208
Value.....	\$582,422	\$650,490	\$350,277
<b>Tissue paper:</b>			
Tons.....	11,469	8,737	2,508
Value.....	\$989,522	\$753,015	\$292,005
<b>Wood pulp produced for sale or for use in establishments other than where manufactured:</b>			
Tons.....	143,275	98,621	62,450
Value.....	\$6,325,840	\$3,817,636	\$3,031,345
<b>All other products, including newspaper, value.....</b>	\$3,903,567	\$4,854,460	\$3,257,257
<b>Wood pulp produced, including that used in mills where manufactured, total tons.....</b>	244,887	217,252	173,888
Ground, tons.....	63,883	83,565	58,693
Sulphite fiber, tons.....	171,530	133,687	115,195
Screenings, tons.....	9,474	( <sup>1</sup> )	( <sup>1</sup> )
<b>EQUIPMENT.</b>			
<b>Paper machines:</b>			
Fourdrinier—			
Number.....	33	29	35
Capacity per 24 hours, tons.....	661	614	575
Cylinder—			
Number.....	26	20	26
Capacity per 24 hours, tons.....	75	64	42
Yearly capacity of mills in pulp, tons.....	271,475	312,941	299,305
Yearly capacity of mills in paper, tons.....	225,365	221,907	181,709

<sup>1</sup> Not reported separately.

This industry shows a remarkable growth, increasing nearly 100 per cent during the decade 1904-1914. It is of interest to note that all of the principal materials used and products manufactured made substantial increases in 1914 as compared with 1904, although several items decreased as compared with 1909. At the census of 1914 spruce was the only wood of importance used in the manufacture of pulp in the state, the quantity consumed amounting to 377,058 cords, or 98.7 per cent of all pulp wood used. The other kinds of pulp wood consisted of small quantities of balsam fir, hemlock, and poplar.

The total cost of all materials was \$12,537,076 in 1914, an increase of 135.3 per cent as compared with 1904. Pulp wood formed 35.2 per cent of the total cost of all materials in 1914; wood pulp purchased, 23.7 per cent; and all other materials, 41.1 per cent. The large amount reported for "all other materials" includes all paper stocks other than wood pulp, chemicals, fuel, rent of power, and freight. The use of chemical fibers as material for the manufacture of paper shows a remarkable increase, 65,041 tons of sulphite and other chemical fibers being used in 1914, while only 43,720 tons were used in 1909, and 10,769 tons in 1904, an increase of 504 per cent for the decade 1904-1914. On the other hand, ground wood pulp gained only 40.1 per cent in quantity in 1914 as compared with 1904, but shows a decrease since 1909. The increase in the use of chemical fibers is due largely to sulphate fiber (included in "other chemical fiber"), the demand for which has grown rapidly since 1909 owing to the increase in the production of kraft wrapping paper, of which New Hampshire was the largest producer in 1914.

Wrapping paper was the most important product of the paper mills in 1914, exceeding news paper, which ranked first in 1909. The growth in the production of wrapping paper was due almost entirely to the increased output of kraft paper, which has grown, since the census of 1909, to be one of the principal products of the paper mills of the state.

News paper, next in importance to wrapping paper in 1914, is included with "all other products," to avoid disclosing the operations of individual establishments. Wood pulp produced for sale or for use in establishments other than where manufactured represented 35.7 per cent of the total value of all products in 1914, and in 1909 and 1904 the corresponding proportions were 27.3 per cent and 33.9 per cent, respectively.

The total value of all products of the industry includes considerable duplication; due to the fact that wood pulp produced for sale or for use in establishments other than where manufactured is largely sold to other mills in the state, and again included in the value of paper reported. This is also true of materials, as the cost of the pulp wood is reported by the pulp mills and a considerable proportion of the wood pulp sold is again reported by the paper mills as wood pulp purchased.

Woolen and worsted goods.—Table 26 shows, in considerable detail, for 1914 and 1909, the quantities and cost of materials used in this industry and the quantities and values of the principal products.

Table 26	1914	1909
<b>MATERIALS.</b>		
Total cost.....	\$10,080,821	\$11,095,070
<b>Wool:</b>		
Foreign (in condition purchased)—		
Pounds.....	11,318,230	10,706,575
Cost.....	\$3,143,684	\$3,027,808
Domestic (in condition purchased)—		
Pounds.....	5,818,251	12,027,487
Cost.....	\$1,721,846	\$3,383,625
Equivalent in scoured condition, pounds.....	12,551,304	13,793,500
<b>Cotton:</b>		
Pounds.....	2,200,200	480,543
Cost.....	\$270,495	\$78,358
<b>Rags, clippings, etc.:</b>		
Pounds.....	5,325,635	4,037,235
Cost.....	\$387,805	\$403,774
<b>Recovered wool fiber:</b>		
Pounds.....	2,538,081	2,423,570
Cost.....	\$386,561	\$272,794
<b>Waste and noils:</b>		
Pounds.....	2,832,611	1,977,694
Cost.....	\$603,806	\$537,262
<b>Yarns, purchased:</b>		
Woolen and worsted—		
Pounds.....	127,272	526,832
Cost.....	\$58,855	\$430,295
Cotton—		
Pounds.....	1,355,139	1,193,680
Cost.....	\$357,337	\$277,690
Chemicals and dyestuffs, cost.....	\$387,595	\$430,271
Fuel and rent of power, cost.....	\$417,945	\$365,525
All other materials, cost.....	\$2,200,832	\$1,287,602
<b>PRODUCTS.</b>		
Total value.....	\$15,030,284	\$10,730,652
<b>All-wool woven goods:</b>		
Woolen suitings, coatings, and dress goods—		
Square yards.....	7,257,404	8,455,368
Value.....	\$4,080,149	\$4,480,947
All other—		
Square yards.....	13,622,627	17,467,470
Value.....	\$5,001,687	\$7,310,308
<b>Union or cotton-mixed woven goods:</b>		
Square yards.....	4,717,530	5,010,131
Value.....	\$1,307,794	\$1,651,492
<b>Cotton-warp woven goods:</b>		
Woolen suitings, coatings, and dress goods—		
Square yards.....	3,483,608	5,142,088
Value.....	\$425,122	\$1,081,067
All other—		
Square yards.....	10,025,117	2,852,660
Value.....	\$1,086,136	\$822,834
Partially manufactured products for sale, value.....	\$587,016	\$1,081,137
All other products, value.....	\$182,171	\$251,476
Amount received for contract work.....	\$33,309	\$48,831
<b>MACHINERY.</b>		
Spindles <sup>1</sup> .....	217,170	193,704
Looms.....	4,084	4,230
Woolen cards (sets).....	424	352
Combing machines.....	52	52

<sup>1</sup> Includes both producing and doubling and twisting spindles.

These industries showed a decrease in 1914 of 10.1 per cent from the value of products reported in 1909. Of the 40 establishments reporting in 1914, 35 made reports to the Census Bureau five years earlier, and 21 of these showed a smaller value of products at the last census than they did in 1909. Several concerns discontinued operations during a portion of the year.

It is noticeable that, in a large measure, cheaper grades of materials were used. The amount of raw wool and of woolen and worsted yarn used as materials decreased, but this was accompanied by an increase in waste and noils, rags, clippings, etc., and in raw cotton and cotton yarn. Among the products the only increase in 1914 as compared with 1909 was in "all other" cotton-warp woven goods, which includes domett flannels

and shirtings, satinets and linseys, linings, Italian cloths and lastings, and blankets; the figures for none of these products could be shown separately without disclosing individual operations.

**Hosiery and knit goods.**—The following table shows for this industry, for 1914, 1909, and 1904, the quantity and cost of materials used and the quantity and value of products.

	1914	1909	1904 <sup>1</sup>
<b>MATERIALS.</b>			
Total cost.....	\$2,378,600	\$2,035,673	\$2,229,132
<b>Cotton:</b>			
Pounds.....	1,247,298	1,314,260	1,088,848
Cost.....	\$156,692	\$173,411	\$220,414
<b>Wool (in condition purchased):</b>			
Pounds.....	172,081	211,544	803,633
Cost.....	\$82,540	\$99,855	\$205,838
<b>Shoddy, mungo, and wool extract, not made in mill:</b>			
Pounds.....	608,904	500,214	( <sup>2</sup> )
Cost.....	\$108,522	\$118,187	( <sup>2</sup> )
<b>Yarns, purchased:</b>			
Pounds.....	3,406,040	4,532,009	3,517,363
Cost.....	\$1,248,800	\$1,508,171	\$1,039,405
<b>Cotton—</b>			
Pounds.....	2,725,462	3,712,738	2,874,555
Cost.....	\$685,233	\$728,460	\$521,408
<b>Worsted—</b>			
Pounds.....	643,762	733,465	529,943
Cost.....	\$539,371	\$700,228	\$499,202
<b>All other —</b>			
Pounds.....	37,416	85,901	112,865
Cost.....	\$24,250	\$79,474	\$48,705
<b>Chemicals and dyestuffs, cost.....</b>	\$95,947	\$91,871	\$86,115
<b>Fuel and rent of power, cost.....</b>	\$50,161	\$35,095	\$38,595
<b>All other materials, cost<sup>4</sup>.....</b>	\$636,938	\$608,183	\$638,765
<b>PRODUCTS.</b>			
Total value.....	\$4,282,730	\$4,764,110	\$3,974,200
<b>Hose:</b>			
Dozen pairs.....	2,597,949	2,081,273	2,300,948
Value.....	\$3,196,200	\$3,164,589	\$2,753,942
<b>Cotton—</b>			
Dozen pairs.....	1,034,358	1,186,912	1,043,153
Value.....	\$970,589	\$984,243	\$1,026,731
<b>Wool—</b>			
Dozen pairs.....	495,565	991,105	600,700
Value.....	\$785,153	\$1,589,597	\$843,234
<b>Merino —</b>			
Dozen pairs.....	1,038,020	503,256	657,089
Value.....	\$1,440,524	\$599,779	\$883,977
<b>Shirts and drawers:</b>			
Dozen.....	135,369	260,703	287,864
Value.....	\$512,100	\$1,200,038	\$1,063,528
<b>All other products, value.....</b>	\$574,313	\$399,492	\$159,820

<sup>1</sup> Excludes statistics for one establishment, to avoid disclosure of individual operations.

<sup>2</sup> Figures not available.

<sup>3</sup> Includes woolen and merino yarns, to avoid disclosure of individual operations in 1914.

<sup>4</sup> Includes wool waste and noils, to avoid disclosure of individual operations in 1914.

<sup>5</sup> Includes silk and silk-mixed hosiery, to avoid disclosure of individual operations in 1914.

During the decade 1904 to 1914 both the cost of materials used and value of products increased, the former, 6.7 per cent and the latter, 7.8 per cent. The entire growth, however, took place during the five-year period 1904–1909. From 1909 to 1914 there was a decrease of \$257,013, or 9.8 per cent, in the cost of materials used, while during the preceding five years there was an increase of \$406,541, or 18.2 per cent.

In 1914 the cost of yarns constituted 52.5 per cent of the cost of all materials, in 1909, 57.2 per cent, and in 1904, 46.6 per cent. Cotton and worsted yarns combined formed nearly 99 per cent of all the yarns used in 1914, both as to quantity and value, 98.1 per cent of the quantity and 94.7 per cent of the value in 1909, and about the same proportions in 1904. The

amounts expended for chemicals and dyestuffs, and for fuel and rent of power were slightly greater in 1914 than in 1909. There was but little change during the decade in the proportion which the total cost of materials formed of the total value of products, the respective percentages being 56.1 for 1904, 55.3 for 1909, and 55.5 for 1914.

The value of hosiery formed 74.6 per cent of the total value of products in 1914, 66.4 per cent in 1909, and 69.3 per cent in 1904. The value of merino and silk and silk-mixed hosiery increased from 18.7 per cent of the total value of hosiery in 1909 to 45.1 per cent in 1914, while that of wool hosiery decreased from 50.2 per cent in 1909 to 24.6 per cent in 1914; for the preceding five-year period the contrary condition appears. There was a decrease in the value of cotton hosiery at each census. During the decade 1904–1914 the output of shirts and drawers decreased in quantity by 152,505 dozens, or 53 per cent, and in value by \$551,368, or 51.8 per cent. The proportion which the value of shirts and drawers formed of the total value of products decreased during this period from 26.8 per cent to 12 per cent.

**Laundries.**—Statistics for power laundries are not included in the general tables or in the totals for all manufacturing industries. Table 28, however, summarizes these statistics for New Hampshire for 1914 and 1909.

	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase, <sup>1</sup> 1909–1914.
	1914	1909	
Number of establishments.....	74	61	.....
Persons engaged.....	804	709	22.4
Proprietors and firm members.....	86	82	.....
Salaried employes.....	18	16	.....
Wage earners (average number).....	700	608	25.0
Primary horsepower.....	1,260	988	28.4
Capital.....	\$440,499	\$303,013	45.4
Salaries and wages.....	338,045	233,086	45.0
Salaries.....	13,291	9,531	39.5
Wages.....	324,754	223,555	45.3
Paid for contract work.....	394	1,517	—84.7
Rent and taxes.....	23,195	16,204	43.1
Cost of materials.....	132,476	80,027	65.5
Amount received for work done.....	728,733	518,660	40.5

<sup>1</sup> A minus sign (–) denotes decrease; percentages are omitted where base is less than 100.

In 1914 New Hampshire ranked thirty-eighth among the states, both in amount received for work done and in number of persons engaged in the industry. The table shows large increases in all items given, with the exception of the amount paid for contract work, which decreased 84.7 per cent. The amount received for work done increased 40.5 per cent, wages 45.3 per cent, and average number of wage earners 25 per cent. Cost of materials made the largest increase shown in the table, 65.5 per cent. Establishments owned by individuals reported 68.2 per cent of the amount received for work done, those owned by corporations 9.5 per cent, and those under other forms of ownership 22.3 per cent.

Table 29 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.

MONTH.	WAGE EARNERS.			
	Number.		Per cent of maximum.	
	1914	1909	1914	1909
January.....	723	536	89.5	77.6
February.....	728	542	89.8	78.4
March.....	723	545	89.1	78.9
April.....	725	530	89.4	81.0
May.....	756	615	93.2	89.0
June.....	777	652	95.8	94.4
July.....	804	672	99.1	97.2
August.....	811	691	100.0	100.0
September.....	798	671	93.4	97.1
October.....	768	620	94.7	89.7
November.....	760	601	92.5	87.0
December.....	744	595	91.7	80.5

Table 30 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 31 shows the kinds and quantities of fuel used in the laundries, as reported at the census of 1914 and 1909, with the percentages of increase or decrease.

POWER.	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
	1914	1909	Amount.		Percent of increase, <sup>1</sup> 1909-1914.
			1914	1909	
Primary power, total.....	92	69	1,269	988	28.4
Owned.....	61	50	1,113	861	29.3
Steam.....	59	47	1,007	825	33.0
Internal combustion.....	1	1	6	7	.....
Water wheels and motors.....	1	2	10	29	.....
Rented.....	31	19	156	127	22.8
Electric.....	31	19	126	82	.....
Other.....	.....	.....	30	45	.....
Electric—Generated in establishments reporting.....	3	.....	19	.....	.....

<sup>1</sup> Percentages are omitted when base is less than 100.

KIND.	Unit.	QUANTITY.		Per cent of increase, <sup>1</sup> 1909-1914.
		1914	1909	
Anthracite coal.....	Tons 2,240 lbs.....	796	470	69.4
Bituminous coal.....	Tons 2,000 lbs.....	7,900	4,932	60.2
Coke.....	Tons 2,000 lbs.....	244	223	8.4
Oil.....	Barrels.....	92	21	.....
Gas.....	1,000 cubic feet.....	2,374	2,586	-8.2

<sup>1</sup> A minus sign (-) denotes decrease; percentages are omitted where base is less than 100.

## GENERAL TABLES.

Table 32 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 33 presents for 1914 in the state as a whole and in the cities with 50,000 inhabitants or more, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments; and for the cities having from 10,000 to 50,000 inhabitants, similar data for all industries combined.

TABLE 32.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Primary horse- power.	Wages.	Cost of ma- terials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Primary horse- power.	Wages.	Cost of ma- terials.	Value of prod- ucts.
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All Industries.....	1914	1,730	78,093	344,093	\$40,042	\$114,093	\$182,844	Furniture.....	1914	26	745	2,084	\$414	\$723	\$1,554
	1909	1,001	78,058	298,991	39,200	98,157	104,681		1909	26	823	2,095	388	606	1,544
	1904	1,018	65,300	218,344	27,093	73,210	123,011		1904	27	548	1,842	246	333	846
Boots and shoes, includ- ing cut stock and find- ings.	1914	71	14,815	8,715	7,608	33,712	46,095	Gas, illuminating and heating.	1914	14	244	513	147	324	842
	1909	68	14,211	8,582	6,807	28,215	39,440		1909	14	247	220	106	180	681
	1904	61	10,744	5,234	4,494	15,747	22,834		1904	13	142	205	73	168	486
Boxes and cartons, paper.	1914	8	127	85	40	90	180	Hosiery and knit goods...	1914	20	3,328	2,722	1,303	2,370	4,283
	1909	12	108	142	05	138	273		1909	21	3,129	2,315	1,143	2,636	4,704
	1904	12	202	103	09	118	241		1904	21	2,700	2,216	943	2,220	3,974
Brass and bronze prod- ucts.	1914	5	53	146	30	50	99	Leather goods.....	1914	6	104	300	62	156	279
	1909	5	50	123	29	45	102		1909	9	300	781	137	200	641
	1904	7	85	120	48	70	161		1904	8	320	345	168	327	653
Bread and other bakery products.	1914	152	480	361	202	983	1,070	Lumber and timber prod- ucts.	1914	515	7,275	45,283	3,850	8,430	10,654
	1909	157	454	185	249	1,055	1,683		1909	580	8,464	44,593	3,924	7,263	15,284
	1904	113	357	70	188	652	1,075		1904	474	6,789	30,231	2,968	5,301	11,673
Brick.....	1914	21	345	641	192	114	417	Marble and stonework....	1914	85	1,176	5,720	928	305	1,804
	1909	29	306	727	100	150	533		1909	99	1,527	3,020	1,062	298	1,818
	1904	30	627	1,235	229	151	520		1904	55	1,048	1,822	610	281	1,205
Butter.....	1914	20	42	208	20	520	637	Needles, pins, and hooks and eyes.	1914	6	366	247	159	47	200
	1909	29	50	402	31	709	807		1909	7	438	217	171	38	275
	1904	34	63	514	30	730	804		1904	6	353	240	127	25	208
Carrriages and wagons and materials.	1914	35	298	1,205	107	193	438	Paper and wood pulp.....	1914	30	3,005	118,123	2,513	12,537	17,708
	1909	44	420	1,231	240	340	734		1909	34	3,413	79,012	2,106	9,253	15,094
	1904	48	621	1,253	207	291	784		1904	25	2,522	49,784	1,315	5,328	8,030
Clothing, men's and youth's.	1914	8	341	89	121	535	787	Printing and publishing..	1914	136	709	820	450	364	1,449
	1909	12	471	234	161	462	785		1909	143	677	1,865	356	259	1,131
	1904	9	258	97	83	204	438		1904	126	645	637	333	217	969
Clothing, women's.....	1914	4	197	118	87	200	379	Slaughtering and meat packing.	1914	11	28	94	17	221	261
	1909	8	241	134	75	255	399		1909	8	24	87	14	165	199
	1904	7	379	145	130	402	602		1904	7	8	28	4	20	38
Cooperage and wooden goods, not elsewhere specified.	1914	19	555	2,580	286	439	1,063	Tobacco, cigars.....	1914	36	1,058	6	798	1,216	2,390
	1909	30	713	3,180	323	419	948		1909	51	571	5	376	670	1,250
	1904	27	733	2,514	338	393	987		1904	45	342	.....	198	261	570
Cotton goods, including cotton small wares.	1914	20	21,069	87,380	10,945	22,700	35,793	Toys and games.....	1914	7	114	201	50	71	175
	1909	21	22,200	83,960	8,938	19,124	33,002		1909	9	101	192	42	53	149
	1904	25	10,731	75,540	7,373	18,497	29,541		1904	5	65	.....	26	53	97
Cutlery and tools.....	1914	8	204	516	123	78	232	Upholstering materials...	1914	9	137	1,933	72	212	324
	1909	12	208	470	146	99	328		1909	11	139	1,558	61	136	245
	1904	13	416	782	193	172	479		1904	9	94	.....	39	88	177
Electrical machinery, ap- paratus, and supplies.	1914	6	228	302	122	165	352	Wood, turned and carved.	1914	24	660	2,730	368	505	971
	1909	6	193	422	87	135	388		1909	29	637	2,327	243	306	721
	1904	5	83	172	32	88	150		1904	26	508	1,855	224	280	634
Flour-mill and gristmill products.	1914	79	144	4,597	89	2,422	2,734	Woolen and worsted goods.	1914	40	9,532	30,392	4,211	10,087	15,039
	1909	105	116	5,502	62	2,809	3,187		1909	39	9,486	30,485	3,619	11,035	16,731
	1904	72	128	4,523	63	2,348	2,542		1904	44	6,581	18,437	2,755	9,479	14,284
Foundry and machine- shop products.	1914	280	2,647	4,447	1,639	2,044	5,325	All other industries.....	1914	235	7,461	20,360	4,487	12,982	22,144
	1909	81	2,396	3,782	1,394	1,699	4,947		1909	253	6,240	13,947	3,526	9,097	17,101
	1904	77	2,020	3,212	1,085	1,172	3,241		1904	181	6,304	15,000	3,006	7,719	14,493

<sup>1</sup> Excludes statistics for one establishment, to avoid disclosure of individual operations.

<sup>2</sup> Includes "automobile repairing;" "engines, steam, gas, and water;" "hardware;" "hardware, saddlery;" "plumbers' supplies, not elsewhere specified;" and "steam fittings and steam and hot water heating apparatus."

<sup>3</sup> Includes "saddlery and harness;" and "trunks and valises."

<sup>4</sup> Excludes statistics for two establishments, to avoid disclosure of individual operations.

<sup>5</sup> Includes "boxes, wooden packing;" "lumber, planing-mill products, not including planing mills connected with sawmills;" "pulpwood;" and "window and door screens and weather strips."

<sup>6</sup> Includes "bookbinding and blank-book making."

<sup>7</sup> Includes "sausage, not made in slaughtering and meat packing establishments."

TABLE 32.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earners (aver- age num- ber).	Primary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earners (aver- age num- ber).	Primary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
MANCHESTER—All industries.	1914	151	25,843	63,481	\$12,510	\$33,707	\$50,800	Printing and publishing..	1914	22	157	202	\$118	\$42	\$438
	1909	175	21,735	61,796	10,444	30,497	46,812		1909	21	151	118	88	71	331
	1904	155	17,579	.....	7,323	18,707	30,097		1904	19	140	.....	88	57	267
Boots and shoes, includ- ing cut stock and find- ings.	1914	13	5,292	2,742	2,753	14,416	18,801	Tobacco, cigars.....	1914	15	902	5	708	1,165	2,276
	1909	14	4,896	2,294	2,323	13,327	17,647		1909	18	493	5	335	621	1,111
	1904	9	2,736	.....	1,221	4,092	6,568		1904	18	261	.....	150	200	428
Bread and other bakery products.	1914	28	135	79	82	209	470	All other industries.....	1914	65	18,917	59,138	8,579	17,046	27,586
	1909	36	125	31	65	256	410		1909	75	18,704	57,918	7,435	15,464	26,231
	1904	27	86	.....	44	107	276		1904	75	14,123	.....	5,609	13,212	22,604
Lumber and timber products.	1914	8	350	1,315	210	819	1,229		1914	8	350	1,315	210	819	1,229
	1909	11	366	1,430	198	755	1,082		1909	11	366	1,430	198	755	1,082
	1904	7	233	.....	112	379	554		1904	7	233	.....	112	379	554
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.															
BERLIN.....	1914	19	2,680	77,411	\$1,074	\$8,845	\$13,090	LACONIA.....	1914	55	2,621	2,940	\$1,417	\$1,841	\$4,497
	1909	20	2,477	50,837	1,405	5,667	8,775		1909	55	2,235	2,609	1,030	2,095	4,001
CONCORD.....	1914	86	2,856	7,122	1,956	3,712	6,744	NASHUA.....	1914	87	7,382	23,364	3,622	16,100	22,780
	1909	111	2,693	6,381	1,641	3,546	6,476		1909	104	7,265	17,567	3,112	10,379	17,326
	1904	80	2,654	.....	1,436	2,831	5,374		1904	78	6,159	.....	2,608	8,483	12,858
DOVER.....	1914	58	2,483	8,503	1,219	3,657	5,682	PORTSMOUTH.....	1914	39	1,090	2,009	665	1,847	3,024
	1909	51	3,030	10,305	1,486	3,236	6,370		1909	36	992	1,800	600	1,361	2,871
	1904	42	2,859	.....	1,227	3,869	6,043		1904	27	638	.....	348	888	2,602
KEENE.....	1914	68	2,068	4,865	1,153	1,921	3,918		1914	68	2,068	4,865	1,153	1,921	3,918
	1909	64	1,769	5,158	973	1,837	3,483		1909	64	1,769	5,158	973	1,837	3,483

<sup>1</sup> Excludes statistics for one establishment, to avoid disclosure of individual operations.  
<sup>2</sup> Figures do not agree with those published in 1909, because certain establishments revised their reports for that census.  
<sup>3</sup> Figures do not agree with those published in 1909, because it was necessary to revise them in order to include data for those establishments located within the corporate limits of the city.



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.				
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. <sup>1</sup>	Internal-combustion engines. <sup>2</sup>	Water wheels and motors. <sup>1</sup>	Electric (rented).	Electric power generated in establishments reporting.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

\$3,126,032	\$2,754,748	\$40,042,303	\$1,342,308	\$332,717	\$1,834,280	\$110,853,377	\$4,140,058	\$182,843,863	\$67,850,428	344,093	101,001	5,320	128,502	49,171	53,441	1
1,100	500	12,314	11,962	600	208	12,882	997	35,362	21,483	129	30	14	85			2
	412	7,202	7,202	468	133	12,044	160	35,015	22,211	205	25		180			3
		2,705	931,377	525	69	2,067	102	7,735	4,966	10				10		4
		5,975	0,070,251	125	132	870	300	11,750	10,580	7		7				5
		2,255	45,845	200	644	11	0,061	13,972	7,587	1				1		6
3,246	1,562	55,391	7,202	720	206	34,878	770	104,719	99,002	213	148		40	25		7
600		468	468	1,164	30	3,423	54	17,191	13,714	3				3		8
123,383	169,138	931,377	1,656	9,792	18,588	7,308,095	37,831	9,030,726	1,084,200	2,001	665	10	140	1,186	205	9
505,423	558,194	0,070,251	20,143	79,899	81,337	26,219,019	146,053	37,664,039	11,298,907	6,714	3,864	30	265	2,555	708	10
7,472	1,368	45,845		4,006	1,090	87,207	2,715	179,952	90,030	85	15	24		40		11
75,899	64,555	680,427	3,513	8,597	21,223	2,502,070	9,063	3,922,874	1,411,141	5,706	4,527	167	249	763	662	12
5,900	760	30,172		399	890	44,039	5,130	99,384	49,615	146	70		50	26		13
3,867	17,470	292,455	1,070	30,110	4,757	941,041	41,823	1,676,355	693,491	361	10	31		320	3	14
21,110	10,619	191,600		4,353	4,173	12,975	100,824	418,771	302,972	641	450	21		170		15
		3,484		180	63	8,777	178	16,004	7,709	11		8		3		16
4,448	2,128	25,822		470	1,128	521,657	7,323	636,835	107,855	298	213	8	52	25		17
3,650		8,692		250	386	35,636		68,914	32,480	65	65					18
6,020	4,238	58,347			2,916	82,534	4,587	167,208	80,177	696	290		400	6		19
8,910	3,484	108,314	150	1,719	2,608	96,567	9,475	270,664	164,622	569	239	117	112	101		20
8,010	3,484	107,714	150	1,719	2,500	95,377	9,390	265,514	160,747	522	227	92	102	101		21
		600		108		1,190	85	5,150	3,875	47	12	25	10			22
2,150	900	41,633			825	50,253	247	96,010	45,510	47				47	16	23
4,936	1,988	3,274		159	267	41,458	815	103,145	60,872	14		8		6		24
12,290	34,779	121,087		2,320	1,820	530,751	4,387	787,058	251,920	89		9	8	72	2	25
10,410	27,798	87,078		1,296	1,553	197,349	2,578	379,102	179,175	118	57			61		26
	2,160	24,123		5,086	391	96,178	3,102	164,513	65,233	74		2		72		27
	1,560	6,001		2,560	87	18,322	578	37,730	18,830	7				7		28
	600	17,522		304	77,856	2,524	2,524	126,783	46,403	67		2		65		29
12,037	3,692	142,989	650	1,300	2,045	248,198	4,027	664,417	411,592	875	835	35		5	144	30
1,500	325	7,273		970	126	43,482	305	69,546	25,000	4				4		31
369,435	277,305	10,006,112		387,950	21,937,191	803,349	35,679,660	12,939,120	87,235	51,151	300	32,469	3,315	31,283		32
13,127	10,160	119,104	30	308	3,452	60,680	5,057	222,092	147,325	471	75	65	296	35	175	33
26,388	5,864	121,880		3,170	3,009	150,029	5,079	351,877	186,809	392		35	200	157	100	34
5,350	4,307	89,139		6,520	11,671	2,410,306	11,606	2,733,820	311,818	4,597	1,025	310	2,056	609	74	35
		2,340		252	22	10,743	397	24,468	13,328	4		2		2		36
170,820	238,105	1,504,345	6,009	15,889	57,709	1,806,536	103,565	5,041,104	3,131,003	4,135	990	157	932	2,086	202	37
14,895	2,288	133,547	300	830	2,882	212,003	18,435	418,254	187,816	218	50	14	57	97	30	38
161,925	235,817	1,430,798	0,249	15,359	54,827	1,594,533	85,130	4,022,850	2,943,187	3,017	910	143	875	1,939	172	39
43,567	24,515	414,368	87,594	14,351	0,376	712,175	10,774	1,554,272	831,323	2,984	2,055	185	596	148	540	40
25,209	35,307	146,609		480	53,103	93,250	231,042	841,580	517,288	513	460			53		41
90,138	21,287	1,303,138	4,554	1,518	33,954	2,320,259	50,161	4,282,739	1,903,319	2,722	700	10	1,733	279	123	42
38,137	54,388	262,618	1,760	1,737	14,206	2,174,020	76,312	2,893,759	1,602,827	3,174	1,080		420	1,674	36	43
152,444	69,447	2,715,568	1,080,122	9,493	98,450	4,740,856	42,509	10,734,757	5,951,302	36,227	21,846	437	9,380	4,555	382	44
45,606	19,739	437,379	6,530	9,759	12,215	1,116,024	6,074	1,861,425	789,327	3,340	2,586	143	518	93	150	45
47,365	35,773	928,099	36,762	7,051	10,724	331,162	64,231	1,803,656	1,408,263	5,726	3,380	214	40	2,092		46
1,872		5,945		876	89	20,687	391	42,840	21,768	27			16	12		47
0,975	4,625	25,100	490	3,040	1,053	57,961	2,893	139,614	78,760	140	39	1		100		48
1,773	219	14,501		268	268	9,608	453	32,294	22,233	360	235	30	96		5	49
10,480	2,501	159,457	403	1,800	2,066	43,165	3,655	259,854	213,034	247	60	15	110	72	40	50
398,281	240,624	2,513,431	2,578	1,660	204,527	10,974,752	1,562,324	17,708,138	5,171,062	118,123	34,503	2,208	59,205	22,117	4,602	51
135,907	52,291	561,433	2,578	1,400	32,022	2,676,152	309,441	4,572,084	1,526,491	19,441	9,334	2,208	0,920	970	925	52
262,374	188,333	1,051,993	260	172,505	8,298,600	8,298,600	1,192,883	13,136,054	3,044,571	98,682	25,259	52,285	21,138	3,077		53
2,555	5,545	6,428		1,806	285	26,690	521	75,557	48,346	13	3	2		8		54
15,624	16,193	156,797	1,205	13,834	2,627	156,382	7,255	486,753	323,116	327		12	17	268		55
68,655	43,588	285,876	20,648	10,775	5,132	179,964	16,575	944,658	748,110	496	6	54	21	415	3	56
35,856	28,658	72,033	356	6,818	1,478	67,806	6,144	372,984	299,034	135				135		57
29,149	13,730	213,123	943	12,598	3,577	111,506	10,431	529,826	407,889	361	6	54	21	280	3	58
3,650	1,200	720	25,349	359	82	652		41,848	41,196							59
8,988	17,575	55,021		515	2,988	132,338		235,370	102,200	298	210		80	8		60
	1,580	7,614		310	260	64,434		82,480	16,682	59				59		61
		10,138	750	60	266	11,742	526	38,525	20,267	50	25	20		5		62

<sup>1</sup> Same number reported for one or more other months.

<sup>2</sup> None reported for one or more other months.

<sup>3</sup> Same number reported throughout the year.

MANUFACTURES—NEW HAMPSHIRE.

TABLE 33.—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—			Male.	Female.		Male.	Female.
								Maximum month.	Minimum month.						

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1 Slaughtering and meat packing.....	5	28	8	.....	.....	.....	18	(*) 18	(*) 18	18	18	.....	.....	.....	.....	\$20,210
2 Tobacco, cigars.....	36	1,120	40	5	17	.....	1,058	Se 1,105	Ja 904	1,079	818	259	2	.....	.....	575,525
3 Tools, not elsewhere specified.....	3	10	4	.....	.....	.....	6	Ja 10	Se 3	7	7	.....	.....	.....	.....	8,035
4 Toys and games.....	7	129	8	4	1	2	114	Oc 173	Ja 56	114	82	30	.....	2	.....	141,081
5 Upholstering materials, excelsior.....	9	154	10	4	2	1	137	Ja 4	Se 115	138	138	.....	.....	.....	.....	413,728
6 Vinegar and cider.....	13	21	14	.....	.....	.....	7	Oc 37	Ja 1	31	27	4	.....	.....	.....	16,525
7 Wood, turned and carved.....	24	736	20	27	10	13	666	Ja 896	Jy 514	505	483	19	1	2	.....	884,320
8 Wooden goods, not elsewhere specified.....	11	304	11	5	3	4	281	Mh 312	Au 213	287	281	6	.....	.....	.....	400,291
9 Woolen and worsted goods.....	40	9,777	22	90	96	87	9,532	Fe 9,894	Se 9,100	9,404	5,801	3,545	34	24	.....	12,802,655
10 All other industries *.....	113	7,531	58	203	321	169	0,780	.....	.....	.....	.....	.....	.....	.....	.....	18,211,687

\* Owned power only.

\* Includes rented power, other than electric.

\* All other industries embrace—

Asbestos products, not including steam packing.....	2	Cars, steam-railroad, not including operations of railroad companies.....	1	Engines, steam, gas, and water.....	2	Hardware.....	3
Automobile bodies and parts.....	2	Cheese.....	3	Engraving and die sinking.....	1	Hardware, saddlery.....	1
Belling, leather.....	1	Coffee and spice, roasting and grinding.....	2	Engraving, steel and copper plate, including plate printing.....	1	Hats, fur-felt.....	1
Blacking, stains, and dressings.....	1	Collins, burial cases, and undertakers' goods.....	1	Fancy articles, not elsewhere specified.....	3	Hones and whetstones.....	2
Boxes, cigar.....	1	Cordego and twine.....	1	Flavoring extracts.....	1	House-furnishing goods, not elsewhere specified.....	1
Brushes.....	2	Cotton small wares.....	2	Furnishing goods, men's.....	1	Instruments, professional and scientific.....	1
Buttons.....	1	Dairymen's and poultrymen's supplies.....	1	Gloves and mittens, leather.....	3	Iron and steel, miscellaneous, including tucks not made in steel works or rolling mills.....	1
Carpets, rag.....	2	Druggists' preparations.....	1	Glue, not elsewhere specified.....	1	Jewelry.....	1
Cars and general shop construction and repairs by steam-railroad companies.....	4	Electroplating.....	1	Grease and tallow, not including lubricating greases.....	2		
				Land stamps.....	2		

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

1 MANCHESTER—All industries.....	151	27,104	122	305	403	341	25,843	Jy 26,384	De 25,112	25,996	15,801	10,022	85	88	.....	\$33,468,730
2 Boots and shoes, including cut stock and findings.....	13	5,944	2	177	222	251	5,202	Au 5,570	Ap 4,792	5,308	3,726	1,637	30	15	.....	8,177,737
3 Boxes, wooden packing.....	3	229	2	5	3	1	218	Mh 228	Do 197	197	197	.....	.....	.....	.....	334,709
4 Bread and other bakery products.....	28	182	37	.....	10	.....	135	No 142	Fe 120	141	132	8	1	.....	.....	107,535
5 Confectionery and ice cream.....	3	13	.....	.....	2	1	8	Au 11	Ap 6	10	7	2	.....	1	.....	21,650
6 Foundry and machine-shop products.....	3	58	4	6	.....	1	50	Ja 80	No 34	45	45	.....	.....	.....	.....	128,051
7 Lumber, planing-mill products, not including planing mills connected with sawmills.....	5	147	4	4	5	2	132	No 144	Mh 125	134	134	.....	.....	.....	.....	304,691
8 Marble and stone work.....	6	55	4	4	5	1	41	Jy 45	Do 33	36	36	.....	.....	.....	.....	81,208
9 Mineral and soda waters.....	5	17	7	1	.....	.....	9	Au 11	Do 8	9	9	.....	.....	.....	.....	15,710
10 Printing and publishing, job printing.....	13	45	10	.....	1	1	27	Au 30	Jy 21	34	32	1	1	.....	.....	53,709
11 Printing and publishing, newspapers and periodicals.....	9	180	3	14	20	13	130	.....	.....	137	108	29	.....	.....	.....	392,706
12 Printing, publishing, and job printing.....	3	170	.....	11	18	12	129	Do 130	Fe 124	136	107	20	.....	.....	.....	384,876
13 Publishing without printing.....	6	10	3	3	2	1	1	(*) 1	(*) 1	1	1	.....	.....	.....	.....	7,830
14 Tobacco, cigars.....	15	1,023	15	4	15	.....	992	Se 1,033	Ja 934	1,069	756	253	.....	.....	.....	545,411
15 All other industries *.....	48	19,208	20	90	220	60	18,809	.....	.....	18,936	10,019	8,192	53	72	.....	23,305,583

\* All other industries embrace—

Artificial stone products.....	1	Boxes, cigar.....	1	Cars and general shop construction and repairs by electric-railroad companies.....	1	Cotton goods.....	2
Automobile bodies and parts.....	1	Boxes and cartons, paper.....	2	Companies.....	1	Food preparations, sweetening sirups, other than cane.....	1
Blacking, stains, and dressings.....	1	Brooms.....	1	Clothing, women's.....	1	Gas, illuminating and heating.....	1
Bookbinding and blank-book making.....	1	Brushes.....	1	Coffee, roasting and grinding.....	2	Grease and tallow, not including lubricating greases.....	1
		Carpets, rag.....	1	Copper, tin, and sheet-iron work.....	1		
		Carriages and wagons.....	2				

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

1 BERLIN.....	19	2,886	17	49	132	8	2,080	Ap 2,931	Oc 2,339	2,603	2,604	28	1	.....	.....	\$20,860,014
2 CONCORD.....	86	3,178	76	81	110	55	2,850	Oc 3,061	Mh 2,614	2,960	2,727	230	1	2	.....	5,701,225
3 DOVER.....	58	2,678	59	40	63	33	2,483	Do 2,605	Fe 2,352	2,654	1,666	663	12	13	.....	5,708,437
4 KEENE.....	68	2,307	47	70	56	67	2,068	On 2,283	Mh 1,859	2,103	1,759	342	.....	2	.....	3,581,178
5 LACONIA.....	55	2,838	50	45	90	32	2,021	Ja 2,977	Do 2,306	2,689	1,605	1,024	.....	.....	.....	4,790,177
6 NASHUA.....	87	9,934	74	128	193	157	7,882	Ja 7,679	Jo 7,049	7,485	5,336	2,123	23	3	.....	13,873,696
7 PORTSMOUTH.....	30	1,216	30	27	45	24	1,000	My 1,141	Se 1,036	1,114	781	331	1	1	.....	5,620,026

\* 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.							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. <sup>1</sup>	Internal combustion engines. <sup>2</sup>		Water wheels and motors. <sup>1</sup>	Electric (rented).

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

		\$9,103		\$75	\$80	\$154,090	\$1,383	\$178,973	\$23,500	35	4			31	
\$7,302	\$34,008	797,039	\$21	5,857	132,080	1,213,575	2,440	2,300,303	1,174,348	6				6	1
		3,920		280	51	2,003	115	9,558	6,780	45				8	3
7,100	1,058	40,680	1,015	250	721	67,875	2,029	175,488	104,684	201	70	20	37	31	4
11,476	3,508	72,242		1,500	1,979	204,710	7,540	324,410	112,151	1,933	935	40	883	75	5
		3,008		75	148	6,598	431	17,408	10,379	171	63	35	38	35	6
38,810	19,406	307,595	8,588	3,507	6,911	490,048	3,285	971,180	405,956	2,739	1,685	30	946	78	80
8,580	5,045	142,828	7,902	410	4,203	181,200	1,426	398,514	212,822	1,705	1,175	192	275	63	22
235,157	141,502	4,211,498	3,342	12,383	148,607	9,668,876	417,945	15,039,284	4,952,463	30,392	15,012	240	13,577	1,563	11,374
453,958	505,299	4,106,382	56,655	39,623	479,975	10,141,712	306,222	18,657,688	8,206,754	16,124	10,075	81	2,333	3,585	2,504

<sup>3</sup> Same number reported throughout the year.

<sup>4</sup> Same number reported for one or more other months.

Jewelry and instrument cases.....	1	Musical instruments, pianos.....	1	Rubber goods, not elsewhere specified.....	1	Stationery goods, not elsewhere specified.....	1
Labels and tags.....	1	Musical instruments, piano and organ materials.....	1	Saws.....	2	Steam fittings and steam and hot-water heating apparatus.....	1
Lace, cotton.....	2	Oil, essential.....	2	Shirts.....	2	Stoves and hot-air furnaces, except gas and oil stoves.....	2
Lasts.....	1	Optical goods.....	2	Show cases.....	1	Surgical appliances.....	1
Leather goods, not elsewhere specified.....	1	Paper goods, not elsewhere specified.....	1	Signs and advertising novelties.....	2	Trunks and valises.....	1
Linen goods.....	2	Photo-engraving.....	1	Silver goods, including throwsters.....	2	Umbrellas and canes.....	1
Liquors, distilled.....	1	Plumbers' supplies, not elsewhere specified.....	1	Silversmithing and silverware.....	2	Wheelbarrows.....	1
Liquors, malt.....	4	Pottery.....	1	Sporting and athletic goods.....	2	Window and door screens.....	1
Locomotives, not made by railroad companies.....	1	Pulp wood.....	1	Stamped and annealed ware, not elsewhere specified.....	1	Wirework, miscellaneous.....	2
Millinery and lace goods, not elsewhere specified.....	1	Refrigerators.....	1				

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

\$724,055	\$821,864	\$12,509,710	\$11,789	\$99,709	\$552,760	\$32,939,389	\$857,713	\$50,799,037	\$17,002,565	63,481	39,201	196	10,250	4,834	30,577	1	
288,087	367,846	2,753,495	1,085	50,301	59,391	14,340,119	70,139	18,800,720	4,394,471	2,742	525			2,217	76	2	
10,124	3,952	122,693		2,800	1,220	470,093	500	732,697	262,014	850	700	150				3	
	4,056	82,050	270	7,996	854	258,048	10,516	469,701	200,537	79		3		76		4	
	2,160	4,204		560	202	21,465	7,700	38,400	14,225	24				24		5	
	5,348	624		850	1,083	17,214	975	76,334	58,115	63	50	13				6	
11,500	7,107	87,495		900	4,433	347,033	1,160	496,889	148,696	465	450	15				7	
4,080	3,501	27,263	1,075	1,399	357	27,105	2,051	79,677	50,521	105				105		8	
1,500		4,760	40	1,164	63	8,481	338	25,300	16,481	7				7		9	
	1,025	16,869		3,071	497	11,693	1,317	50,619	37,600	82				82		10	
33,723	22,732	101,289	8,561	6,772	733	64,634	4,596	387,125	317,895	120				120		11	
31,073	21,632	100,569		6,527	686	64,382	4,596	366,264	297,286	120				120		12	
2,650	1,100	720	8,561	245	47	252		20,861	20,609							13	
6,240	32,688	767,717		2,762	123,692	1,162,045	2,240	2,275,977	1,111,083	5				5		14	
363,993	376,173	8,513,222	768	20,534	390,035	10,210,239	757,102	27,363,390	10,400,918	58,939	37,470	15	10,250	2,198	30,562	15	

Hand stamps.....	1	Liquors, malt.....	1	Paper and wood pulp.....	1	Show cases.....	1
Hats, fur-felt.....	1	Locomotives, not made by railroad companies.....	1	Patent medicines and compounds... 2	2	Tools, not elsewhere specified.....	1
Hosiery and knit goods.....	2	Mattresses and spring beds, not elsewhere specified.....	3	Saddlery and harness.....	2	Wood, turned and carved.....	2
Jewelry.....	1	Needles, pins, and hooks and eyes.. 2	2	Sausage, not made in slaughtering and meat-packing establishments.. 2	2	Worsted goods.....	1
Lasts.....	1						
Leather goods.....	1						

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

\$250,100	\$170,152	\$1,073,893	\$469,464	\$3,072	\$154,796	\$7,943,140	\$901,479	\$13,089,804	\$4,245,185	77,411	11,099		42,642	23,670	387	1
126,793	147,080	1,955,705	60,240	25,762	48,855	3,592,408	110,917	6,743,687	3,031,364	7,122	2,183	30	1,148	3,755	311	2
92,110	94,579	1,218,977	6,147	11,323	47,537	3,514,325	112,601	5,082,095	2,025,169	8,563	6,268	64	1,790	381	3,777	3
123,582	86,641	1,162,720	44,443	27,372	21,605	1,840,952	80,091	3,918,449	1,097,406	4,865	2,011	202	400	1,262	1,214	4
123,986	126,601	1,416,626	21,451	13,821	40,043	1,769,750	80,970	4,469,770	2,656,041	2,949	1,712	10	746	481	1,280	5
293,888	343,534	3,022,485	6,636	29,765	165,446	15,829,707	270,460	22,780,444	6,680,187	23,364	14,386	50	7,006	1,922	5,556	6
80,452	64,088	664,712	2,700	10,423	301,296	1,755,375	91,978	3,923,812	2,076,459	2,009	1,466	18		525	227	7

<sup>2</sup> Same number reported for one or more other months.

<sup>4</sup> Same number reported throughout the year.