TENNESSEE.

GENERAL STATISTICS.

General character of the state.—Tennessee has a gross area of 42,022 square miles, of which 41,687 represent land surface. The inhabitants of the state in 1900 numbered 2,020,616; in 1910, 2,184,789; and in 1920, 2,337,885. In total population Tennessee ranked nineteenth among the states in 1920. The number of inhabitants per square mile in 1910 was 52.4, the corresponding figure for 1920 being 56.1.

In 1920 there were six cities in the state—Chattanooga, Jackson, Johnson City, Knoxville, Memphis, and Nashville—having more than 10,000 inhabitants. These cities, with a combined population in that year of 447,708, or 19.2 per cent of the total for Tennessee, reported 56.7 per cent of the value of the state's manufactured products in 1919.

Importance and growth of manufactures (Table 1).—The large increases in salaries and wages, cost of materials, and value of products from 1914 to 1919, as presented in Table 1, are largely due to the changes in industrial conditions brought about by the World War, and therefore can not properly be used to measure the growth of manufactures during the census period 1914 to 1919. The increases shown, however, in the number of wage earners and horsepower are indicative of a decided growth in the manufacturing activities of the state. The addition of the Federal income tax since 1914 will account for the large increase in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those for prior censuses. Of the 95 counties in the state, statistics are presented separately for only 92 to avoid the possibility of disclosing the operations of individual establishments.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is not always satisfactory as indicating their importance from a manufacturing standpoint. In many instances their rank would change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 34.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed more than 400 wage earners in 1919 and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—General increases are shown in practically all of the details for the six cities included in this table from 1914 to 1919.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the several census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, similar data are given for males and females for all industries combined and also for the six cities in the state having more than 10,000 inhabitants in 1919. The cities combined reported a slightly larger proportion of the female wage earners than the state as a whole, 21.1 per cent as compared with 19.9 per cent for the state.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Tennessee. In that year 6.1 per cent of the wage earners were included in the group "48 and under," as against 22.4 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 46 per cent of the total wage earners, as compared with 26.8 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 94.9 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 40.5 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 5.1 per cent of the total number of manufacturing establishments in the state, but reported 59.5 of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at "$100,000 to $1,000,000" constituted one group, but at the census of 1919 this group was subdivided into "$100,000 to $500,000" and "$500,000 to $1,000,000." Separate figures for the number of establishments and value of products

have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups for all items for 1909, and for the average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in several instances to combine the establishments of one group of the industry with those of some other group of that industry to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table illustrates the fact that the number of establishments of itself is no real index of the extent of manufacturing activities.

Character of ownership (Table 14).—The preponderance of corporate ownership is clearly brought out in this table. Although corporations owned but 28.1 per cent of the number of establishments in the state in 1919, they reported 83.4 per cent of the average number of wage earners and 85.2 per cent of the total value of products. During the five-year period 1914 to 1919 the average number of wage earners in corporations increased 23,524, or 42.2 per cent, and the value of products $306,275,257, or 182.4 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in the six cities located wholly within the state of Tennessee in 1919 represented 29 per cent of the total in the state. They reported in that year 49.9 per cent of the average number of wage earners and 56.7 per cent of the total value of products.

Comparative summary, Bristol, Tenn., and Bristol, Va. (Table 16).—The city of Bristol is located partly in Tennessee and partly in Virginia. While the population in neither state equals 10,000, the combined population is in excess of that figure, or 14,776. Statistics are presented for Bristol, Tenn., and Bristol, Va., both separately and combined.

Principal industries in cities of 50,000 inhabitants or more, with per cent of total for state (Table 17).—This table includes all industries in Nashville having products of $400,000 and over, in Chattanooga of $500,000 and over, and in Knoxville and Memphis of $600,000 and over, the figures being given for those which can be shown without disclosing the operations of individual establishments.

It is deemed of first importance to present the statistics of the state as a whole for all industries which can be shown without disclosing the operations of individual establishments. In so doing, however, it sometimes happens that quite important industries can not be shown in the city, since to do so might disclose the operations of establishments located outside, by the simple method of deducting the totals shown for the industry in the city from that given in the detailed state table.

Number and horsepower of types of prime movers (Table 18).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 51,957, or 18.1 per cent. This increase, however, is chiefly due to the gain of 40,485 horsepower, or 70 per cent, in rented power. The owned power increased 11,472, or 5 per cent, during the five-year period.

Fuel consumed (Table 19).—This table shows the principal kind of fuel used by the manufacturing plants in the state for 1919 and 1914 and gives separately for 1919 the quantities consumed by a number of important industries. There was a decided increase in the quantity of each of the several kinds of fuel used in 1919 as compared with 1914. In 1919, of the total anthracite coal consumed, 84.1 per cent was used in the bakeries, flour mills and gristmills, and lumber and timber mills; two industries combined—coke and lumber and timber—consumed 40.6 per cent of the bituminous coal; the iron and steel industry, including blast furnaces, steel works and rolling mills, and cast-iron pipe, 70.4 per cent of the coke; and of the fuel oils, two industries—gas, and cars, steam-railroad, used 73.2 per cent.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE.[1]			
	1919	1914	1909	1904	1899	1914–1919	1909–1914	1904–1909	1899–1904
Number of establishments	4,589	4,775	4,609	3,175	3,116	−3.9	3.6	45.2	1.9
Persons engaged	113,300	88,514	87,672	69,287	(2)	28.0	1.0	26.5	.....
Proprietors and firm members	4,892	5,142	5,415	3,805	(2)	−5.0	−5.0	42.3	.....
Salaried employees	13,241	8,999	8,417	4,910	3,329	47.1	6.9	71.4	47.5
Wage earners (average number)	95,167	74,373	73,840	60,572	45,963	28.0	0.7	21.9	31.8
Primary horsepower	338,814	286,857	242,277	175,780	130,318	18.1	18.4	37.8	34.9
Capital	$410,203,443	$211,423,167	$167,923,784	$102,439,481	$63,140,657	94.0	25.9	63.9	62.2
Salaries and wages	106,623,215	44,911,678	37,437,834	27,886,057	17,775,169	137.4	20.0	34.3	56.9
Salaries	25,267,959	11,828,691	9,186,243	5,080,429	3,047,663	113.6	28.8	80.8	66.7
Wages	81,355,256	33,082,987	28,251,591	22,805,628	14,727,506	145.9	17.1	23.9	54.8
Paid for contract work	3,614,386	2,100,640	1,814,598	1,546,732	(2)	72.1	15.8	17.3	.....
Rent and taxes	18,756,334	3,524,414	3,768,979	[3] 909,368	(2)	432.2	−6.5	.....	.....
Cost of materials	344,766,730	123,430,135	104,015,834	79,351,746	54,559,039	179.3	18.7	31.1	45.4
Value of products	556,253,162	212,071,489	180,216,548	137,960,476	92,749,129	162.3	17.7	30.6	48.7
Value added by manufacture[4]	211,486,432	88,641,354	76,200,714	58,608,730	38,190,090	138.6	16.3	30.0	53.5

[1] A minus sign (−) denotes decrease. [2] Figures not available. [3] Exclusive of internal revenue. [4] Value of products less cost of materials.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Wages.	Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
The state	4,589	95,167	$81,355,256	$18,756,334	$344,766,730	$556,253,162	$211,486,432	338,814
Anderson	26	467	288,344	25,044	780,092	1,388,396	608,304	1,165
Bedford	40	569	350,853	12,307	1,890,120	2,551,098	750,978	1,949
Benton	27	29	21,170	738	37,798	106,055	68,257	624
Bledsoe	23	80	43,658	587	73,104	176,097	102,993	556
Blount	50	1,671	1,326,230	466,989	3,632,616	7,510,594	3,877,978	23,693
Bradley	48	1,287	817,136	93,488	2,473,510	4,357,686	1,884,176	2,138
Campbell	63	967	812,251	58,405	1,937,487	3,409,527	1,472,040	5,897
Cannon	19	18	13,088	848	97,625	162,111	64,486	383
Carroll	57	131	87,604	5,517	281,853	573,607	291,754	1,467
Carter	29	889	525,737	98,620	1,351,940	2,408,034	1,056,094	2,866
Cheatham	18	66	49,833	989	125,365	216,796	91,431	382
Chester	12	16	12,350	232	15,759	49,309	33,550	309
Claiborne	36	87	38,167	1,476	175,922	297,173	121,251	435
Clay	5	2	873	43	9,392	14,514	5,122	75
Cocke	36	608	429,692	193,687	2,472,955	4,105,108	1,632,153	1,955
Coffee	33	470	317,307	69,696	1,769,530	2,658,186	888,656	1,808
Crockett	20	42	27,543	1,389	139,086	212,653	73,567	519
Cumberland	27	172	115,221	1,481	105,735	315,671	209,936	575
Davidson	430	14,068	13,818,529	2,986,957	54,844,126	89,400,072	34,555,946	30,610
De Kalb	20	17	7,254	385	59,804	94,016	34,212	373
Decatur	12	14	8,986	142	16,536	61,944	45,408	259
Dickson	71	405	242,770	12,241	930,043	1,624,652	694,609	3,569
Dyer	42	885	631,866	101,402	2,911,491	4,596,280	1,684,789	3,108
Fayette	20	22	14,972	794	73,912	109,683	35,771	440
Fentress	23	292	270,378	11,714	285,422	1,107,519	822,097	1,285
Franklin	22	621	390,438	44,406	1,074,763	1,728,308	653,545	1,261
Gibson	89	937	515,073	60,881	2,900,819	4,214,862	1,314,043	4,667
Giles	41	93	63,880	4,240	249,980	397,515	147,535	1,105
Grainger	8	21	10,780	301	87,797	123,807	36,010	117
Greene	66	377	206,528	19,724	952,761	1,654,320	701,559	1,555
Grundy	12	126	101,278	5,295	167,982	407,068	239,086	277
Hamblen	48	590	348,094	49,627	3,115,456	4,015,086	899,630	1,376
Hamilton [1]	398	15,394	13,872,440	2,673,306	55,425,602	93,539,142	38,113,540	39,319
Hancock	4	8	3,455	50	14,485	14,240	−245	67
Hardeman	27	60	42,059	2,192	143,584	250,383	106,799	794
Hardin	19	74	54,781	1,703	74,340	263,870	189,530	889
Hawkins	44	89	62,883	1,947	345,138	519,153	174,015	881
Haywood	30	158	133,573	6,757	458,620	840,823	382,203	1,396
Henderson	17	21	16,035	2,791	58,346	106,546	48,200	444
Henry	76	913	1,031,998	73,334	726,037	2,376,828	1,650,791	2,275
Hickman	39	169	132,203	1,828	167,315	377,693	210,378	1,753
Houston	25	150	96,861	1,694	119,167	280,170	161,003	685
Humphreys	38	152	146,548	906	193,930	506,942	313,012	1,060
Jackson	6	3	1,681	93	6,464	14,911	8,447	141
Jefferson	37	268	142,825	9,672	1,024,830	1,530,869	506,039	1,514
Johnson	16	41	36,320	528	156,248	244,316	88,068	320
Knox	222	11,750	10,183,844	2,471,648	31,431,119	53,053,261	21,622,142	28,596
Lake	5	57	32,534	2,706	687,622	781,469	93,847	467
Lauderdale	23	74	45,446	4,438	235,475	325,923	90,448	886
Lawrence	56	219	153,946	3,905	416,067	760,587	344,520	1,179
Lewis	18	131	81,383	56,491	443,460	673,695	230,235	1,228
Lincoln	37	201	124,531	51,787	924,554	1,300,641	376,087	1,773
Loudon	37	1,862	1,409,104	214,648	7,334,141	10,294,713	2,960,572	2,737
McMinn	82	2,003	1,739,060	125,557	2,517,709	5,152,918	2,635,209	3,358
McNairy	16	32	17,906	96	38,400	86,354	47,954	444
Macon	18	55	30,993	670	91,355	157,568	66,213	612
Madison	76	2,590	2,500,982	413,481	6,983,303	12,167,533	5,184,230	9,801
Marion	26	1,281	735,447	162,242	1,641,395	4,942,932	3,301,537	4,858
Marshall	34	347	283,228	4,802	692,599	1,141,063	448,464	1,153
Maury	59	431	312,002	60,017	3,049,851	4,166,187	1,116,336	2,844
Meigs	14	21	13,859	82	33,366	75,762	42,396	243
Monroe	56	1,038	860,701	116,420	1,390,548	3,796,672	2,406,124	3,218
Montgomery	68	635	454,086	109,902	5,504,902	6,802,888	1,297,926	5,027
Morgan	20	407	568,609	8,415	279,871	1,082,831	802,960	1,023
Obion	50	425	233,122	40,552	2,397,802	3,209,228	811,426	2,145
Overton	41	344	246,470	11,212	283,344	777,995	494,651	1,270
Perry	21	128	87,066	434	55,943	246,290	190,347	486
Polk	27	856	1,351,887	86,301	3,172,747	4,849,635	1,676,888	15,429
Putnam	62	474	350,119	18,259	617,051	1,402,301	785,250	1,546
Rhea	41	371	182,105	10,509	591,541	947,466	355,925	835
Roane	63	1,843	1,353,475	147,777	5,503,426	8,217,409	2,713,983	7,861
Robertson	43	321	193,349	8,172	1,197,733	1,654,302	456,569	1,437
Rutherford	53	599	359,958	28,025	1,241,357	2,024,778	783,421	1,594
Scott	31	659	441,991	31,455	798,965	1,672,019	873,054	1,865
Sequatchie	7	58	35,834	290	51,699	158,512	106,813	150
Sevier	37	264	197,291	1,369	472,636	896,366	423,730	855
Shelby	450	16,431	14,825,030	6,837,334	102,186,712	152,289,404	50,102,692	53,013
Smith	19	59	46,295	2,268	323,267	873,751	550,484	546
Stewart	40	32	18,207	467	71,682	146,571	74,889	726
Sullivan	64	1,765	1,497,264	224,022	5,005,518	8,994,891	3,989,373	11,152

[1] James County annexed to Hamilton County in 1919.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919—Continued.

COUNTY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Wages.	Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
Sumner	54	146	$90,166	$12,520	$424,637	$651,089	$226,452	1,090
Tipton	30	270	172,404	30,351	1,169,789	1,682,417	512,628	1,430
Trousdale	7	83	39,890	15,571	253,827	342,816	88,989	92
Unicoi	10	675	489,631	3,206	904,002	1,623,963	719,961	1,333
Union	24	43	23,258	408	41,648	105,254	63,606	187
Warren	31	220	128,544	20,503	528,360	790,981	262,621	94
Washington	71	1,280	883,509	243,377	6,912,700	10,020,736	3,108,036	7,643
Wayne	27	297	331,153	17,425	455,883	964,771	508,888	2,953
Weakley	54	119	89,592	8,859	408,243	715,255	307,012	1,146
White	36	228	141,550	11,598	327,432	721,551	394,119	1,289
Williamson	37	169	117,608	4,022	495,115	784,220	289,105	983
Wilson	38	310	189,699	26,216	1,281,941	1,763,656	481,715	933
All other counties [1]	5	16	10,123	84	31,046	48,005	17,859	87

[1] All other counties comprise Moore, Pickett, and Van Buren.

TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Per cent distribution.	VALUE OF PRODUCTS. Amount (expressed in thousands).	VALUE OF PRODUCTS. Per cent distribution.	VALUE ADDED BY MANUFACTURE. Amount (expressed in thousands).	VALUE ADDED BY MANUFACTURE. Per cent distribution.
All industries	4,589	95,167	100.0	$556,253	100.0	$211,486	100.0
Flour-mill and gristmill products	661	1,472	1.6	51,913	9.3	6,736	3.2
Oil and cake, cottonseed	22	1,792	1.9	42,258	7.6	7,619	3.6
Lumber and timber products	1,450	12,847	13.5	38,496	6.9	24,233	11.4
Food preparations, not elsewhere specified	38	748	0.8	37,580	6.8	5,639	2.7
Knit goods	63	10,308	10.8	32,952	5.9	12,607	6.0
Cars and general shop construction and repairs by steam-railroad companies	20	10,173	10.7	26,679	4.8	16,159	7.6
Cotton goods	16	4,895	5.1	22,461	4.0	8,165	3.9
Foundry and machine-shop products	126	4,721	5.0	19,634	3.5	10,913	5.2
Lumber, planing-mill products, not including planing mills connected with sawmills	109	2,737	2.9	12,370	2.2	4,838	2.3
Bags, other than paper, not including bags made in textile mills	7	662	0.7	12,318	2.2	1,501	0.7
Printing and publishing, newspapers and periodicals	220	1,690	1.8	10,229	1.8	6,927	3.3
Confectionery and ice cream	68	1,397	1.5	10,017	1.8	4,036	1.9
Furniture	50	3,522	3.7	9,793	1.8	5,025	2.4
Bread and other bakery products	135	1,325	1.4	8,445	1.5	3,480	1.6
Patent medicines and compounds	67	765	0.8	8,275	1.5	4,960	2.3
Dyestuffs and extracts—natural	10	1,037	1.1	7,562	1.4	3,889	1.8
Clothing, men's	28	1,369	1.4	7,190	1.3	2,388	1.1
Fertilizers	10	821	0.9	6,842	1.2	2,830	1.3
Leather, tanned, curried, and finished	10	608	0.6	6,710	1.2	1,682	0.8
Iron and steel, blast furnaces	8	884	0.9	6,218	1.1	1,651	0.8
Slaughtering and meat packing	16	331	0.3	5,706	1.0	740	0.3
Printing and publishing, book and job	146	1,277	1.3	5,604	1.0	3,434	1.6
Stoves and hot-air furnaces	16	1,711	1.8	5,137	0.9	3,220	1.5
Coffee, roasting and grinding	9	191	0.2	4,998	0.9	1,215	0.6
Saddlery and harness	43	614	0.6	4,790	0.9	1,766	0.8
Woolen goods	13	1,366	1.4	4,242	0.8	2,010	1.0
Carriage and wagon materials	19	1,067	1.1	4,113	0.7	1,791	0.8
Mineral and soda waters	80	479	0.5	3,942	0.7	2,141	1.0
Ice, manufactured	73	1,063	1.1	3,774	0.7	2,621	1.2
Coffins, burial cases, and undertakers' goods	9	630	0.7	3,085	0.6	1,616	0.8
Mattresses and spring beds, not elsewhere specified	18	410	0.4	$2,809	0.5	$1,270	0.6
Brick and tile, terra-cotta, and fire-clay products	46	1,265	1.3	2,783	0.5	1,901	0.9
Carriages and wagons, including repairs	47	598	0.6	2,577	0.5	1,129	0.5
Agricultural implements	14	727	0.8	2,516	0.5	1,279	0.6
Boxes, paper and other, not elsewhere specified	8	635	0.7	2,401	0.4	1,005	0.5
Automobile repairing	103	603	0.6	2,329	0.4	1,285	0.6
Wood, turned and carved	17	706	0.7	2,260	0.4	1,155	0.5
Marble and stone work	85	819	0.9	2,223	0.4	1,329	0.6
Coke, not including gas-house coke	6	272	0.3	2,017	0.4	553	0.3
Butter	10	50	0.1	1,972	0.4	80	(1)
Boxes, wooden packing, except cigar boxes	11	730	0.8	1,922	0.3	944	0.4
Druggists' preparations	16	136	0.1	1,893	0.3	700	0.3
Gas, illuminating and heating	10	474	0.5	1,801	0.3	960	0.4
Flavoring extracts	9	166	0.2	1,792	0.3	550	0.3
Structural ironwork, not made in steel works or rolling mills	6	296	0.3	1,773	0.3	850	0.4
Clothing, women's	7	188	0.2	1,658	0.3	744	0.4
Paints	11	126	0.1	1,521	0.3	491	0.2
Canning and preserving, fruits and vegetables	62	593	0.6	1,513	0.3	601	0.3
Cooperage	11	211	0.2	1,446	0.3	337	0.2
Automobile bodies and parts	17	486	0.5	1,352	0.2	773	0.4
Ferroalloys	3	150	0.2	1,298	0.2	564	0.3
Shirts	9	320	0.3	1,197	0.2	396	0.2
Liquors, malt	3	222	0.2	1,180	0.2	826	0.4
Lime	16	527	0.6	1,100	0.2	649	0.3
Window and door screens	4	196	0.2	933	0.2	563	0.3
Perfumery and cosmetics	10	103	0.1	924	0.2	539	0.3
Paving materials	16	306	0.3	874	0.2	530	0.2
Copper, tin, and sheet-iron work	59	235	0.2	839	0.2	463	0.2
Cars and general shop construction and repairs by electric-railroad companies	5	280	0.3	690	0.1	404	0.2
Mirrors, framed and unframed, not elsewhere specified	4	53	0.1	651	0.1	193	0.1
Tobacco, cigars	23	249	0.3	590	0.1	332	0.2
Cordials and flavoring sirups	5	13	(1)	520	0.1	194	0.1
All other industries [2]	316	10,521	11.1	81,566	14.7	32,061	15.2

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

[2] Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are a number having products in excess of some for which figures are shown in the table. Of these industries the most important are the following: "Automobiles"; "boots and shoes"; "cars, steam-railroad, not including operations of railroad companies"; "cement"; "chemicals"; "coal-tar products"; "dyeing and finishing textiles, exclusive of that done in textile mills"; "iron and steel, cast-iron pipe"; "paper and wood pulp"; "smelting and refining, copper" "sulphuric, nitric, and mixed acids"; and "tobacco, chewing and smoking, and snuff."

TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL. Male.	PER CENT OF TOTAL. Female.
All classes	1919	113,300	91,611	21,689	80.9	19.1
	1914	88,514	76,573	11,941	86.5	13.5
	1909	87,672	77,277	10,395	88.1	11.9
Proprietors and officials	1919	9,726	9,463	263	97.3	2.7
	1914	8,234	8,107	127	98.5	1.5
	1909	8,393	8,252	141	98.3	1.7
Proprietors and firm members	1919	4,892	4,754	138	97.2	2.8
	1914	5,142	5,068	74	98.6	1.4
	1909	5,415	5,303	112	97.9	2.1
Salaried officers of corporations	1919	1,798	1,720	78	95.6	4.4
	1914	1,305	1,276	29	97.8	2.2
	1909	1,216	1,203	13	98.9	1.1
Superintendents and managers	1919	3,036	2,989	47	98.5	1.5
	1914	1,787	1,763	24	98.7	1.3
	1909	1,762	1,746	16	99.1	0.9
Clerks and other subordinate salaried employees.	1919	8,407	5,961	2,446	70.9	29.1
	1914	5,907	4,780	1,127	80.9	19.1
	1909	5,439	4,377	1,062	80.5	19.5
Wage earners (average number)	1919	95,167	76,187	18,980	80.1	19.9
	1914	74,373	63,686	10,687	85.6	14.4
	1909	73,840	64,648	9,192	87.6	12.4
16 years of age and over	1919	93,949	75,515	18,434	80.4	19.6
	1914	73,018	62,928	10,090	86.2	13.8
	1909	71,395	63,016	8,379	88.3	11.7
Under 16 years of age	1919	1,218	672	546	55.2	44.8
	1914	1,355	758	597	55.9	44.1
	1909	2,445	1,632	813	66.7	33.3

TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Census year.	Wage earners (average number).	PER CENT OF TOTAL. 16 years of age and over. Male.	PER CENT OF TOTAL. 16 years of age and over. Female.	PER CENT OF TOTAL. Under 16 years of age.
All industries	1919	95,167	79.3	19.4	1.3
	1914	74,373	84.6	13.6	1.8
	1909	73,840	85.3	11.3	3.3
Agricultural implements	1919	727	97.8	2.2	.....
	1914	517	99.6	0.4	.....
Automobile bodies and parts	1919	486	95.1	4.9	.....
	1914	11	100.0	.....	.....
Automobile repairing	1919	603	99.0	0.8	0.2
	1914	46	100.0	.....	.....
Bags, other than paper, not including bags made in textile mills.	1919	662	33.4	66.6	.....
	1914	471	31.0	67.5	1.5
Boxes, paper and other, not elsewhere specified.	1919	635	65.3	34.2	0.5
	1914	281	48.4	50.5	1.1
Boxes, wooden packing, except cigar boxes	1919	730	91.9	7.8	0.3
	1914	620	86.8	11.3	1.9
Bread and other bakery products	1919	1,325	65.2	34.0	0.8
	1914	1,152	70.6	28.5	0.9
Brick and tile, terra-cotta, and fire-clay products.	1919	1,265	98.8	0.1	1.1
	1914	1,640	97.9	.....	2.1
Canning and preserving, fruits and vegetables.	1919	593	37.6	61.6	0.8
	1914	381	29.4	63.0	7.6
Carriage and wagon materials	1919	1,067	98.5	1.5	.....
	1914	657	98.6	0.9	0.5
Carriages and wagons, including repairs	1919	598	99.2	0.8	.....
	1914	714	99.3	0.6	0.1
Cars and general shop construction and repairs by steam-railroad companies.	1919	10,173	99.3	0.7	.....
	1914	7,201	99.8	0.2	.....
Clothing, men's	1919	1,369	11.2	88.7	0.1
	1914	1,589	14.0	83.8	2.1
Coffins, burial cases, and undertakers' goods	1919	630	91.7	7.9	0.3
	1914	411	94.2	5.8	.....
Confectionery and ice cream	1919	1,397	57.9	42.0	0.1
	1914	888	63.8	35.9	0.3
Cotton goods	1919	4,895	52.2	43.2	4.5
	1914	3,403	49.8	39.8	10.4
Dyestuffs and extracts—natural	1919	1,037	99.7	0.3	.....
	1914	365	100.0	.....	.....
Fertilizers	1919	821	99.5	0.5	.....
	1914	706	100.0	.....	.....
Flour-mill and gristmill products	1919	1,472	99.4	0.4	0.2
	1914	1,497	99.5	0.4	0.1
Food preparations, not elsewhere specified	1919	748	92.1	7.6	0.3
	1914	523	97.3	2.7	.....
Foundry and machine-shop products [1]	1919	4,747	99.4	0.6	(2)
	1914	3,072	99.7	0.2	0.1
Furniture	1919	3,522	88.9	10.3	0.8
	1914	2,032	97.5	1.4	1.1
Gas, illuminating and heating	1919	474	100.0	.....	.....
	1914	506	100.0	.....	.....
Ice, manufactured	1919	1,063	98.7	0.7	0.7
	1914	927	99.5	0.4	0.1
Iron and steel, blast furnaces	1919	884	99.4	0.6	.....
	1914	503	98.6	.....	1.4
Knit goods	1919	10,308	25.9	69.0	5.1
	1914	5,690	33.1	58.6	8.3
Leather, tanned, curried, and finished	1919	608	98.1	1.9	.....
	1914	370	100.0	.....	.....
Lime	1919	527	99.1	.....	0.9
	1914	432	100.0	.....	.....
Lumber and timber products	1919	12,847	99.1	0.6	0.2
	1914	14,452	99.4	(2)	0.6
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	2,737	87.5	12.1	0.5
	1914	3,012	93.0	6.1	0.9
Marble and stone work	1919	819	99.5	0.2	0.2
	1914	1,273	100.0	.....	.....
Mattresses and spring beds, not elsewhere specified.	1919	410	76.8	22.7	0.5
	1914	316	84.5	14.6	0.9
Mineral and soda waters	1919	479	94.2	4.6	1.2
	1914	276	97.5	0.4	2.2
Oil and cake, cottonseed	1919	1,792	96.1	3.9	.....
	1914	1,054	99.2	0.8	.....
Patent medicines and compounds	1919	765	42.1	57.4	0.5
	1914	516	45.2	51.6	3.3
Printing and publishing, book and job	1919	1,277	70.2	28.7	1.1
	1914	1,161	77.4	22.3	0.3
Printing and publishing, newspapers and periodicals.	1919	1,690	72.7	18.6	8.8
	1914	1,440	86.2	12.8	1.0
Saddlery and harness	1919	614	86.2	10.7	3.1
	1914	413	92.7	3.9	3.4
Stoves and hot-air furnaces	1919	1,711	98.8	0.5	0.7
	1914	1,412	99.3	.....	0.7
Wood, turned and carved	1919	706	96.5	2.8	0.7
	1914	555	94.6	4.3	1.1
Woolen goods	1919	1,366	52.7	43.4	3.9
	1914	1,069	53.0	41.3	5.7
All other industries	1919	14,588	80.3	19.1	0.4
	1914	10,819	88.7	10.2	1.0

[1] Includes "iron and steel, welding," and "textile machinery and parts."

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

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.												VALUE OF PRODUCTS.		
	Total.			16 years of age and over.						Under 16 years of age.					
				Male.			Female.								
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
Chattanooga	10,588	7,182	6,410	8,886	6,382	5,807	1,668	743	494	34	57	109	$58,021,825	$20,368,555	$16,036,455
Jackson	1,806	1,509	1,405	1,742	1,434	1,280	61	47	112	3	28	13	8,316,139	3,417,168	2,709,773
Johnson City	1,061	611	.....	826	581	.....	219	14	.....	16	16	.....	8,801,085	2,600,161	.....
Knoxville	11,384	2,420	2,362	8,150	1,800	1,722	3,120	599	596	114	21	44	51,694,298	7,346,107	7,769,018
Memphis	11,963	8,389	7,927	10,057	7,628	7,198	1,903	740	383	3	21	346	117,717,829	39,133,497	30,241,519
Nashville	10,666	8,573	9,721	7,567	6,818	7,776	2,949	1,659	1,755	150	96	190	71,108,252	33,276,239	29,649,697

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER.[1]			PER CENT OF MAXIMUM.			MONTH.	NUMBER.[1]			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January	90,230	73,538	*69,805*	86.9	95.1	85.9	July	94,498	76,034	71,155	91.0	98.3	88.2
February	*88,865*	74,236	69,974	85.6	96.0	86.7	August	97,805	76,047	74,956	94.2	98.4	92.9
March	89,448	76,116	71,073	86.2	98.4	88.1	September	100,363	75,559	78,850	96.7	97.7	97.7
April	90,168	77,312	70,666	86.8	100.0	87.6	October	102,593	72,672	80,011	98.8	94.0	99.2
May	90,739	76,040	69,713	87.4	98.4	86.4	November	103,429	70,269	80,676	99.6	90.9	100.0
June	90,056	76,450	70,123	86.8	98.9	86.9	December	**103,810**	*68,203*	70,587	100.0	88.2	98.7

[1] The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum indicated by **bold-faced** figures, minimum by *italic* figures.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by **bold-faced** figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October	November.	December.	
All industries	95,167	90,230	*88,865*	89,448	90,168	90,739	90,056	94,498	97,805	100,363	102,593	103,429	**103,810**	85.6
Males	70,187	72,274	*71,239*	72,185	72,675	72,536	71,553	75,042	77,596	80,303	82,319	82,993	83,559	85.3
Females	18,980	17,956	17,626	*17,263*	17,493	18,203	18,503	19,456	20,239	20,060	20,274	20,436	20,251	84.5
Agricultural implements	727	706	692	705	681	678	707	*680*	707	769	806	817	826	76.3
Automobile bodies and parts	486	*377*	381	386	410	401	436	496	557	607	631	589	561	59.7
Automobile repairing	603	552	*549*	559	577	595	615	634	631	631	632	630	631	86.6
Bags, other than paper, not including bags made in textile mills	662	658	623	556	*507*	650	682	706	735	712	702	712	701	69.0
Boxes, paper and other, not elsewhere specified	635	600	572	*529*	548	554	582	623	713	731	710	705	693	69.2
Boxes, wooden packing, except cigar boxes	730	736	699	680	*623*	696	752	824	785	702	751	754	758	75.6
Bread and other bakery products	1,325	1,192	*1,140*	1,156	1,229	1,299	1,335	1,344	1,387	1,466	1,460	1,465	1,427	77.8
Brick and tile, terra-cotta, and fire-clay products	1,265	822	*811*	925	1,084	1,275	1,480	1,504	1,679	1,609	1,470	1,308	1,213	48.3
Canning and preserving, fruits and vegetables	593	*23*	30	40	40	332	314	1,296	1,965	1,626	881	457	112	1.2
Carriage and wagon materials	1,067	1,069	1,063	1,049	1,060	1,058	*1,033*	1,039	1,086	1,101	1,139	1,034	1,073	90.7
Carriages and wagons, including repairs	598	*534*	560	564	586	535	576	632	661	634	657	630	607	80.8
Cars and general shop construction and repairs by steam-railroad companies	10,173	10,471	10,510	10,175	10,431	9,628	*8,901*	9,286	9,692	10,455	10,635	10,851	11,041	80.6
Clothing, men's	1,369	1,312	1,316	1,213	*1,201*	1,318	1,366	1,378	1,389	1,377	1,357	1,505	1,636	73.4
Coffins, burial cases, and undertakers' goods	630	635	648	678	650	646	601	*581*	609	640	620	628	615	85.7
Confectionery and ice cream	1,397	1,257	1,318	*1,256*	1,313	1,334	1,321	1,322	1,442	1,624	1,629	1,535	1,413	77.1
Cotton goods	4,895	5,162	5,066	4,922	4,669	4,708	4,732	4,722	4,918	*4,453*	5,039	5,130	5,319	85.3
Dyestuffs and extracts—natural	1,037	*981*	1,048	1,004	1,020	1,027	1,103	1,120	1,066	1,041	991	1,060	983	87.6
Fertilizers	821	786	858	1,232	1,334	762	*512*	592	844	1,103	681	557	591	38.4
Flour-mill and gristmill products	1,472	1,471	1,385	1,315	1,344	1,299	*1,297*	1,552	1,619	1,611	1,657	1,570	1,544	78.3
Food preparations, not elsewhere specified	748	700	685	*676*	810	738	727	713	771	711	779	843	823	80.2
Foundry and machine-shop products	4,721	5,275	4,481	4,437	4,377	4,318	4,417	4,612	*4,292*	4,761	5,009	5,258	5,415	79.3
Furniture	3,522	*2,996*	3,066	3,099	3,321	3,426	3,588	3,692	3,773	3,692	3,755	3,901	3,955	75.8
Gas, illuminating and heating	474	465	*461*	464	463	479	470	487	486	487	485	466	475	94.7
Ice, manufactured	1,063	*691*	712	787	979	1,192	1,412	1,508	1,551	1,284	1,060	831	749	44.6
Iron and steel, blast furnaces	884	1,236	1,130	925	830	807	805	*759*	798	803	854	707	894	61.4
Knit goods	10,308	10,015	9,685	*9,545*	9,605	9,960	10,355	10,435	10,655	10,658	10,839	10,930	11,014	86.7
Leather, tanned, curried, and finished	608	*563*	597	610	640	606	625	643	655	620	589	564	578	86.0
Lime	527	527	512	537	536	525	*494*	525	538	543	539	525	523	91.0
Lumber and timber products	12,847	10,016	*9,967*	11,369	10,636	11,565	11,406	12,177	13,421	15,089	15,632	16,296	16,590	60.1
Lumber, planing-mill products, not including planing mills connected with sawmills	2,737	2,419	*2,379*	2,439	2,522	2,641	2,726	2,843	2,911	2,916	2,993	2,996	3,059	77.8
Marble and stone work	819	685	*685*	758	772	834	840	874	894	878	894	845	869	76.6
Mattresses and spring beds, not elsewhere specified	410	385	392	*381*	406	407	408	422	414	425	428	424	428	89.0
Mineral and soda waters	479	*395*	399	425	466	496	532	554	557	541	484	454	445	70.9
Oil and cake, cottonseed	1,792	2,418	2,328	1,792	1,485	1,450	*1,119*	1,324	1,256	1,342	2,280	2,327	2,383	46.3
Patent medicines and compounds	765	717	*716*	771	765	790	807	743	748	735	775	787	826	86.7
Printing and publishing, book and job	1,277	*1,169*	1,210	1,208	1,242	1,264	1,274	1,244	1,276	1,338	1,349	1,380	1,370	84.7
Printing and publishing, newspapers and periodicals	1,690	*1,570*	1,592	1,607	1,675	1,690	1,707	1,718	1,711	1,727	1,745	1,752	1,786	87.9
Saddlery and harness	614	614	*584*	586	589	604	622	624	622	636	631	626	630	91.8
Stoves and hot-air furnaces	1,711	*1,556*	1,586	1,570	1,640	1,654	1,695	1,731	1,768	1,803	1,823	1,838	1,868	83.3
Wood, turned and carved	706	749	723	724	682	*648*	665	699	723	722	715	717	705	86.5
Woolen goods	1,366	1,340	1,327	1,315	*1,247*	1,353	1,404	1,394	1,379	1,397	1,418	1,410	1,408	87.9
All other industries	14,614	14,385	14,389	14,479	15,157	14,497	*13,613*	14,496	14,121	14,363	15,060	15,435	15,373	88.2

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

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.	
Industries showing large proportion of females.														
Bread and other bakery products	454	385	*375*	385	419	450	397	467	487	530	519	531	503	70.6
Clothing, men's	1,216	1,188	1,182	1,076	*1,064*	1,176	1,217	1,219	1,233	1,212	1,190	1,386	1,449	73.4
Confectionery and ice cream	587	543	584	537	548	546	523	*491*	557	685	727	674	629	67.5
Cotton goods	2,205	2,283	2,253	2,191	2,176	2,151	2,167	2,088	2,202	*1,932*	2,283	2,359	2,375	81.3
Knit goods	7,489	7,291	7,051	*6,910*	6,992	7,230	7,520	7,562	7,682	7,728	7,916	7,966	8,020	86.2
Patent medicines and compounds	441	434	413	463	450	464	469	426	426	*409*	425	440	473	86.5
Printing and publishing, book and job	371	*345*	358	353	367	369	359	348	364	395	400	401	393	86.0
Printing and publishing, newspapers and periodicals	315	308	304	314	*290*	302	318	319	319	323	327	326	330	87.9
Woolen goods	626	609	609	599	*585*	633	646	629	623	639	647	645	648	90.3
Total for cities	47,468	46,287	45,454	*45,098*	45,688	45,994	45,771	46,921	47,360	48,599	50,270	51,035	51,139	88.2
Males	37,461	36,663	35,921	*35,787*	36,345	36,282	35,880	37,028	37,217	38,458	39,684	40,091	40,176	89.1
Females	10,007	9,624	9,533	*9,311*	9,343	9,712	9,891	9,893	10,143	10,141	10,586	10,944	10,963	84.9
CHATTANOOGA	10,588	10,146	9,912	9,842	*9,788*	9,870	10,030	10,424	10,315	11,157	11,581	11,991	12,000	81.6
Males	8,906	8,577	8,372	8,295	8,269	*8,260*	8,423	8,767	8,579	9,356	9,788	10,081	10,105	81.7
Females	1,682	1,569	1,540	1,547	*1,519*	1,610	1,607	1,657	1,736	1,801	1,793	1,910	1,895	79.5
JACKSON	1,806	1,720	1,695	1,730	1,792	1,708	1,679	*1,675*	1,772	1,973	2,024	1,948	1,956	82.8
Males	1,745	1,673	1,649	1,688	1,744	1,666	*1,643*	1,645	1,738	1,887	1,914	1,843	1,850	85.8
Females	61	47	46	42	48	42	36	*30*	34	86	110	105	106	27.3
JOHNSON CITY	1,001	954	*948*	967	1,018	1,078	1,125	1,001	1,013	1,046	1,121	1,176	1,285	73.8
Males	830	744	*729*	755	799	845	894	791	808	827	854	896	1,018	71.6
Females	231	210	219	212	219	233	231	210	*205*	219	267	280	267	73.2
KNOXVILLE	11,384	12,035	11,252	10,905	10,742	*10,722*	10,904	10,991	11,192	11,735	11,851	12,096	12,183	88.0
Males	8,203	8,857	8,157	7,968	7,839	7,828	*7,735*	7,809	7,982	8,388	8,516	8,684	8,697	87.3
Females	3,181	3,178	3,095	2,937	2,903	*2,894*	3,169	3,182	3,210	3,347	3,335	3,412	3,486	83.0
MEMPHIS	11,963	11,821	11,902	11,713	11,935	11,898	*11,417*	11,991	11,965	12,000	12,416	12,261	12,237	92.0
Males	10,060	9,971	10,118	9,920	10,130	10,013	*9,618*	10,121	10,034	10,047	10,387	10,244	10,217	91.6
Females	1,903	1,850	*1,784*	1,793	1,805	1,885	1,899	1,870	1,931	1,953	2,029	2,017	2,020	87.9
NASHVILLE	10,666	*9,611*	9,745	9,941	10,413	10,718	10,616	10,839	11,103	10,688	11,277	11,563	11,478	83.1
Males	7,715	*6,841*	6,896	7,161	7,564	7,670	7,667	7,895	8,076	7,953	8,225	8,343	8,289	82.0
Females	2,951	2,770	2,849	2,780	2,849	3,048	2,949	2,944	3,027	*2,735*	3,052	3,220	3,189	84.9

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries	1919	95,167	1,750	2,511	17,046	7,880	14,344	26,103	19,490	6,043
	1914	74,373	(2)	(2)	4,550	3,423	13,393	18,796	26,725	7,486
	1909	73,840	(2)	(2)	3,579	2,040	9,957	7,416	39,806	11,042
Agricultural implements	1919	727	5			44	50	192	436	
	1914	517					91		418	8
Automobile bodies and parts	1919	486			13	43	96	319	15	
	1914	11							11	
Automobile repairing	1919	603	4		70	49	225	5	241	9
	1914	46					7		34	5
Bags, other than paper, not including bags made in textile mills	1919	662	4			438	127	93		
	1914	471				150		321		
Boxes, paper and other, not elsewhere specified	1919	635			367		124	144		
	1914	281	(2)	(2)	8			194	79	
Boxes, wooden packing, except cigar boxes	1919	730	3		10			274	443	
	1914	620	(2)	(2)	6	30	114	63	407	
Bread and other bakery products	1919	1,325	6	242	127	53	638	77	129	53
	1914	1,152	(2)	(2)	82	17	477	90	363	123
Brick and tile, terra-cotta, and fire-clay products	1919	1,265	5	5	53	14	149	259	780	
	1914	1,640	(2)	(2)	119	14	40	401	944	122
Canning and preserving, fruits and vegetables	1919	593	26		54	9	30	239	232	3
	1914	381	(2)	(2)	58	95	30		197	1
Carriage and wagon materials	1919	1,067	12			90	259	16	690	
	1914	657					128	214	315	
Carriages and wagons, including repairs	1919	598			19	85	85	308	101	
	1914	714	(2)	(2)	85	30	120	173	301	5
Cars and general shop construction and repairs by steam-railroad companies.	1919	10,173		1,481	4,722		1,775	2,123	72	
	1914	7,201				10	6,219		300	672
Clothing, men's	1919	1,369	304	117	172	239	75	462		
	1914	1,589	(2)	(2)	350	62	33	787	357	
Coffins, burial cases, and undertakers' goods	1919	630				149	216	125	140	
	1914	411					92	147	172	
Confectionery and ice cream	1919	1,397	8		191	156	29	564	332	117
	1914	888	(2)	(2)	114	12	152	241	221	148

[1] Includes 48 and under for 1914 and 1909.

[2] Corresponding figures not available.

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE— 44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Cotton goods	1919	4,895	.....	.....	.....	.....	681	3,899	141	174
	1914	3,403	.....	.....	.....	130	115	2,995	163	.....
Dyestuffs and extracts—natural	1919	1,037	.....	.....	.....	.....	150	62	453	372
	1914	365	.....	.....	.....	.....	.....	.....	156	209
Fertilizers	1919	821	167	.....	18	.....	.....	395	241	.....
	1914	706	.....	.....	.....	.....	160	.....	383	163
Flour-mill and gristmill products	1919	1,472	157	.....	15	3	72	34	495	696
	1914	1,497	(2)	(2)	47	4	24	102	484	836
Food preparations, nor elsewhere specified	1919	748	4	24	14	5	15	79	569	38
	1914	523	(2)	(2)	3	.....	21	.....	359	140
Foundry and machine-shop products [3]	1919	4,747	5	1	1,868	516	1,469	667	221	.....
	1914	3,072	(2)	(2)	159	84	1,129	548	1,152	.....
Furniture	1919	3,522	5	.....	794	59	371	2,119	174	.....
	1914	2,032	(2)	(2)	6	83	401	629	899	14
Gas, illuminating and heating	1919	474	.....	.....	185	126	.....	10	130	23
	1914	506	(2)	(2)	1	.....	.....	.....	202	303
Ice, manufactured	1919	1,063	1	.....	34	.....	7	11	125	885
	1914	927	(2)	(2)	3	.....	5	4	50	865
Iron and steel, blast furnaces	1919	884	.....	.....	209	.....	.....	.....	348	327
	1914	503	.....	.....	.....	.....	.....	.....	135	368
Knit goods	1919	10,308	.....	116	625	1,918	3,241	4,408	.....	.....
	1914	5,690	.....	.....	.....	.....	.....	4,994	696	.....
Leather, tanned, curried, and finished	1919	608	.....	.....	.....	1	.....	92	515	.....
	1914	370	.....	.....	.....	.....	.....	.....	370	.....
Lime	1919	527	.....	.....	90	13	15	17	226	166
	1914	432	.....	.....	.....	86	.....	.....	252	94
Lumber and timber products	1919	12,847	607	119	374	1,185	418	1,625	8,133	386
	1914	14,452	(2)	(2)	575	267	704	858	10,493	1,555
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	2,737	8	.....	11	473	343	1,303	539	.....
	1914	3,012	(2)	(2)	340	232	488	1,037	846	69
Marble and stone work	1919	819	22	3	59	22	215	299	199	.....
	1914	1,273	(2)	(2)	61	28	156	307	720	1
Mattresses and spring beds, not elsewhere specified	1919	410	.....	.....	5	54	118	206	27	.....
	1914	316	(2)	(2)	36	84	34	30	132	.....
Mineral and soda waters	1919	479	18	6	127	.....	120	48	155	5
	1914	276	(2)	(2)	50	3	65	45	109	4
Oil and cake, cottonseed	1919	1,792	.....	.....	.....	.....	.....	.....	17	1,775
	1914	1,054	.....	.....	.....	83	.....	54	.....	917
Patent medicines and compounds	1919	765	14	100	145	373	61	58	12	2
	1914	516	(2)	(2)	26	211	126	71	74	8
Printing and publishing, book and job	1919	1,277	37	12	1,110	53	45	4	15	1
	1914	1,161	(2)	(2)	656	317	166	6	16	.....
Printing and publishing, newspapers and periodicals	1919	1,690	27	114	1,050	181	251	13	53	1
	1914	1,440	(2)	(2)	913	152	177	68	125	5
Saddlery and harness	1919	614	.....	.....	153	1	93	87	280	.....
	1914	413	(2)	(2)	39	.....	54	123	197	.....
Stoves and hot-air furnaces	1919	1,711	.....	.....	866	62	156	191	436	.....
	1914	1,412	(2)	(2)	22	.....	598	792	.....	.....
Wood, turned and carved	1919	706	7	.....	44	11	125	468	51	.....
	1914	555	.....	.....	.....	98	.....	189	208	.....
Woolen goods	1919	1,366	1	.....	.....	.....	53	995	317	.....
	1914	1,069	.....	.....	.....	.....	146	703	180	40
All other industries	1919	14,588	293	171	3,452	1,455	2,447	3,753	2,007	1,010
	1914	10,819	(2)	(2)	791	1,141	1,321	2,610	4,145	811
Total for cities	1919	47,468	784	1,341	12,665	4,256	7,487	11,497	6,603	2,835
	1914	28,684	(2)	(2)	3,080	1,899	6,997	5,052	8,358	3,298
CHATTANOOGA	1919	10,588	33	71	3,739	665	2,172	1,883	1,506	519
	1914	7,182	(2)	(2)	471	366	1,248	1,584	3,113	400
JACKSON	1919	1,806	16	.....	1,037	229	79	210	68	167
	1914	1,509	(2)	(2)	40	.....	723	74	330	342
JOHNSON CITY	1919	1,061	.....	1	46	58	288	.....	551	117
	1914	611	(2)	(2)	14	6	50	11	417	113
KNOXVILLE	1919	11,384	145	33	2,400	659	920	5,632	1,243	352
	1914	2,420	(2)	(2)	121	326	288	1,051	350	284
MEMPHIS	1919	11,963	179	1,185	2,677	1,525	1,589	1,302	2,230	1,276
	1914	8,389	(2)	(2)	1,028	464	2,538	951	1,743	1,665
NASHVILLE	1919	10,666	411	51	2,766	1,120	2,439	2,470	1,005	404
	1914	8,573	(2)	(2)	1,406	737	2,150	1,381	2,405	494

[1] Includes 48 and under for 1914 and 1909. [2] Corresponding figures not available. [3] Includes "iron and steel, welding," and "textile machinery and parts."

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		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	4,589	95,167	668	2,390	4,988	784	8,576	324	10,866	195	14,282	166	25,609	42	14,224	17	11,534	3	5,088
Agricultural implements	14	727	1	4	9	3	34	2	87	2	133	1	119	1	345				
Automobile repairing	163	603	18	112	260	30	274	3	69										
Bags, other than paper, not including bags made in textile mills	7	662		1	4	2	22			1	93	2	281	1	262				
Boxes, paper and other, not elsewhere specified	8	635				2	28	4	158			1	124	1	325				
Bread and other bakery products	135	1,325	13	87	199	23	231	7	234	2	157	3	504						
Brick and tile, terra-cotta, and fire-clay products	46	1,265		17	56	15	160	8	299	2	131	4	619						
Canning and preserving, fruits and vegetables	62	593	10	25	73	22	280	3	92	2	148								
Carriage and wagon materials	19	1,067	1	1	2	6	88	5	167	5	373			1	437				
Carriages and wagons, including repairs	47	598	3	23	56	13	127	6	201	1	74	1	140						
Cars and general shop construction and repairs by steam-railroad companies	20	10,173				3	50	2	84			2	470	5	1,639	6	4,280	2	3,650
Clothing, men's	28	1,369		3	6	4	70	12	427	7	480	2	386						
Coffins, burial cases, and undertakers' goods	9	630				2	24	2	59	2	152	3	395						
Confectionery and ice cream	68	1,397	9	23	39	19	187	11	294	2	150	3	446	1	281				
Cotton goods	16	4,895								1	54	10	1,535	3	1,116	1	752	1	1,438
Dyestuffs and extracts—natural	10	1,037								7	509	3	528						
Fertilizers	10	821		2	7	1	18	2	57	2	142	2	343	1	254				
Flour-mill and gristmill products	661	1,472	332	201	521	28	282	6	204	1	62	3	403						
Food preparations, not elsewhere specified	38	748	2	16	45	8	103	8	264	3	212	1	124						
Foundry and machine-shop products	126	4,721	14	37	84	32	386	23	798	7	480	10	1,525	2	733	1	715		
Furniture	50	3,522	1	12	43	9	114	6	259	8	589	12	1,950	2	567				
Gas, illuminating and heating	10	474		2	8	4	40	1	23	1	92	2	311						
Ice, manufactured	73	1,063	1	39	114	20	230	9	301	2	135	2	283						
Iron and steel, blast furnaces	8	884				1	10			5	400	1	126	1	348				
Knit goods	63	10,308		1	4	3	31	11	366	18	1,269	19	3,258	7	2,445	4	2,935		
Lime	16	527		3	6	5	66	5	181	2	149	1	125						
Lumber and timber products	1,450	12,847	86	1,023	1,933	231	2,413	66	2,101	22	1,667	15	1,881	6	2,246	1	606		
Lumber, planing-mill products, not including planing mills connected with sawmills	109	2,737	2	42	107	28	338	18	601	12	884	7	807						
Marble and stone work	85	819	16	42	81	20	222	3	122	3	246	1	148						
Mattresses and spring beds, not elsewhere specified	18	410	1	5	17	6	81	3	96	3	216								
Mineral and soda waters	80	479		56	151	21	227	3	101										
Oil and cake, cottonseed	22	1,792				2	37	6	242	9	712	5	801						
Patent medicines and compounds	67	765	9	39	65	10	115	5	157	2	118	2	310						
Printing and publishing, book and job	146	1,277	35	66	169	31	343	9	285	3	208	2	272						
Printing and publishing, newspapers and periodicals	220	1,690	55	131	282	20	183	4	145	5	342	5	738						
Saddlery and harness	43	614	7	23	46	3	27	7	246	2	140	1	155						
Stoves and hot-air furnaces	16	1,711		2	5	1	13	2	61	6	474	3	475	2	683				
Wood, turned and carved	17	706		4	16	3	31	4	131	4	293	2	235						
Woolen goods	13	1,366	3	1	1			1	40	2	129	5	775	1	421				
All other industries	596	16,438	49	257	570	153	1,691	57	1,914	39	2,869	30	5,017	7	2,122	4	2,246		
Total for cities	1,331	47,468	112	496	1,176	334	3,784	172	5,735	102	7,392	83	13,699	22	7,171	8	5,198	2	3,313
CHATTANOOGA	281	10,588	12	114	240	68	814	34	1,108	20	1,342	27	4,629	5	1,740	1	715		
JACKSON	50	1,806	3	18	47	13	136	9	312	3	222	2	450	2	639				
JOHNSON CITY	36	1,061		13	34	10	114	6	238	5	389	2	286						
Knoxville	194	11,384	10	61	148	55	612	29	953	19	1,380	11	1,833	4	1,185	3	1,960	2	3,313
MEMPHIS	379	11,963	27	151	364	92	1,036	50	1,652	30	2,225	21	3,322	5	1,586	3	1,778		
NASHVILLE	391	10,666	60	139	343	96	1,072	44	1,472	25	1,834	20	3,179	6	2,021	1	745		

TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	4,589	4,775	4,609	95,167	74,373	73,840	$556,253,162	$212,071,489	$180,216,548	$211,486,432	$88,641,354	$76,200,714
Less than $5,000	1,455	2,298	2,082	1,301	4,825	5,541	3,546,516	5,140,687	4,640,418	2,103,474	3,124,602	3,058,539
$5,000 to $20,000	1,411	1,311	1,352	4,427	6,626	8,675	14,711,027	12,936,810	13,380,348	7,969,122	6,843,063	7,335,137
$20,000 to $100,000	969	735	789	11,346	13,821	15,379	43,701,809	32,359,591	34,700,071	20,824,791	14,824,135	15,749,778
$100,000 to $500,000	508	350	369	27,181	38,355	37,822	120,787,584	76,725,475	96,928,666	54,241,775	45,759,064	40,751,742
$500,000 to $1,000,000	132	51		17,791			92,035,250	34,340,131		38,453,373		
$1,000,000 and over	114	30	17	33,121	10,746	6,423	281,470,976	50,568,795	30,567,045	87,893,897	18,090,490	9,305,518
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	31.7	48.1	45.2	1.4	6.5	7.5	0.6	2.4	2.6	1.0	3.5	4.0
$5,000 to $20,000	30.8	27.5	29.3	4.7	8.9	11.7	2.6	6.1	7.4	3.8	7.7	9.6
$20,000 to $100,000	21.1	15.4	17.1	11.9	18.6	20.8	7.9	15.3	19.2	9.8	16.7	20.7
$100,000 to $500,000	11.0	7.3	8.0	28.6	51.6	51.2	21.7	36.2	53.8	25.6	51.6	53.5
$500,000 to $1,000,000	2.9	1.1		18.7			16.5	16.2		18.2		
$1,000,000 and over	2.5	0.6	0.4	34.8	14.4	8.7	50.6	23.8	17.0	41.6	20.4	12.2

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914
BREAD AND OTHER BAKERY PRODUCTS	135	151	100.0	100.0	1,325	1,152	100.0	100.0	$8,444,962	$4,092,664	100.0	100.0	$3,480,307	$1,700,319	100.0	100.0
Less than $5,000	16	53	11.9	35.1	12	68	0.9	5.9	40,860	154,137	0.5	3.8	14,006	77,464	0.4	4.6
$5,000 to $20,000	67	67	49.6	44.4	135	169	10.2	14.7	729,437	593,720	8.6	14.5	292,239	273,125	8.4	16.1
$20,000 to $100,000	39	21	28.9	13.9	269	185	20.3	16.1	1,729,061	675,910	20.5	16.5	601,086	294,571	17.3	17.3
$100,000 to $500,000	9	10	6.7	6.6	307	730	23.2	63.4	2,249,919	2,668,897	26.6	65.2	920,492	1,055,158	26.4	62.1
$500,000 and over	4	.....	3.0	.....	602	.....	45.4	.....	3,695,685	.....	43.8	.....	1,652,484	.....	47.5	.....
BRICK AND TILE, TERRA-COTTA, AND FIRE-CLAY PRODUCTS	46	72	100.0	100.0	1,265	1,640	100.0	100.0	2,782,669	1,637,972	100.0	100.0	1,900,717	1,132,955	100.0	100.0
Less than $5,000	12	31	26.1	43.1	37	115	2.9	7.0	33,782	70,095	1.2	4.3	23,069	55,099	1.2	4.9
$5,000 to $20,000	15	27	32.6	37.5	102	317	8.1	19.3	143,124	250,648	5.1	15.3	108,564	188,392	5.7	16.6
$20,000 to $100,000	11	9	23.9	12.5	325	446	25.7	27.2	571,366	466,154	20.5	28.5	345,937	327,035	18.2	28.9
$100,000 to $500,000	8	5	17.4	6.9	801	762	63.3	46.5	2,034,397	851,075	73.1	52.0	1,423,147	562,429	74.9	49.6
CANNING AND PRESERVING, FRUITS AND VEGETABLES	62	62	100.0	100.0	593	381	100.0	100.0	1,513,347	496,225	100.0	100.0	601,697	135,279	100.0	100.0
Less than $5,000	25	41	40.3	66.1	42	81	7.1	21.3	52,856	53,908	3.5	10.9	23,015	30,108	3.8	22.3
$5,000 to $20,000	15	17	24.2	27.4	78	164	13.2	43.0	150,451	174,308	9.9	35.1	66,429	64,414	11.1	47.6
$20,000 to $500,000	22	4	35.5	6.5	473	136	79.8	35.7	1,310,040	268,009	86.6	54.0	511,653	40,697	85.1	30.1
CARRIAGES AND WAGONS, INCLUDING REPAIRS	47	81	100.0	100.0	598	714	100.0	100.0	2,577,390	1,395,004	100.0	100.0	1,129,264	776,579	100.0	100.0
Less than $5,000	17	37	36.2	45.7	24	75	4.0	10.5	47,942	106,017	1.9	7.6	30,623	70,216	2.7	9.0
$5,000 to $20,000	12	28	25.5	34.6	53	160	8.9	22.4	115,148	272,997	4.5	19.6	74,112	163,729	6.6	21.1
$20,000 to $100,000	13	13	27.7	16.0	192	269	32.1	37.7	571,088	460,930	22.2	33.0	334,071	283,043	29.6	36.4
$100,000 to $1,000,000	5	3	10.6	3.7	329	210	55.0	29.4	1,843,212	555,060	71.5	39.8	690,458	259,591	61.1	33.4
CONFECTIONERY AND ICE CREAM	68	55	100.0	100.0	1,397	888	100.0	100.0	10,017,191	3,644,635	100.0	100.0	4,035,679	1,418,398	100.0	100.0
Less than $5,000	12	8	17.6	14.5	6	10	0.4	1.1	35,465	21,518	0.4	0.6	16,163	13,373	0.4	0.9
$5,000 to $20,000	14	19	20.6	34.5	18	91	1.3	10.2	123,716	202,444	1.2	5.6	47,099	98,518	1.2	6.9
$20,000 to $100,000	24	18	35.3	32.7	221	192	15.8	21.6	1,426,720	759,497	14.2	20.8	521,177	360,191	12.9	25.4
$100,000 to $500,000	14	10	20.6	18.2	443	595	31.7	67.0	3,186,841	2,661,176	31.8	73.0	1,368,892	946,316	33.9	66.7
$500,000 and over	4	.....	5.9	.....	709	.....	50.8	.....	5,244,449	.....	52.4	.....	2,082,348	.....	51.6	.....
FLOUR-MILL AND GRISTMILL PRODUCTS	661	512	100.0	100.0	1,472	1,497	100.0	100.0	51,912,531	26,413,574	100.0	100.0	6,736,184	4,341,853	100.0	100.0
Less than $5,000	193	134	29.2	26.2	12	51	0.8	3.4	488,780	377,588	0.9	1.4	85,502	82,154	1.3	1.9
$5,000 to $20,000	230	202	34.8	39.5	104	212	7.1	14.2	2,569,107	2,330,851	4.9	8.8	506,221	503,491	7.5	11.6
$20,000 to $100,000	175	142	26.5	27.7	303	409	20.6	27.3	7,523,947	5,681,092	14.5	21.5	1,281,351	1,067,330	19.0	24.6
$100,000 to $500,000	46	25	7.0	4.9	283	[1] 387	19.2	25.9	9,502,212	5,598,340	18.3	21.2	1,433,310	[1] 1,010,108	21.3	30.2
$500,000 to $1,000,000	8	4	1.2	0.8	169	.....	11.5	.....	5,940,792	2,632,216	11.4	10.0	889,999	.....	13.2	.....
$1,000,000 and over	9	5	1.4	1.0	601	438	40.8	29.3	25,887,693	9,793,487	49.9	37.1	2,530,801	1,378,770	37.7	31.8
FOOD PREPARATIONS, NOT ELSEWHERE SPECIFIED	38	33	100.0	100.0	748	523	100.0	100.0	37,579,921	9,955,350	100.0	100.0	5,638,715	1,691,527	100.0	100.0
Less than $5,000	6	7	15.8	21.2	6	10	0.8	1.9	13,299	10,932	(2)	0.2	5,058	6,114	0.1	0.4
$5,000 to $20,000	3	5	7.9	15.2	9	19	1.2	3.6	38,913	74,778	0.1	0.8	12,019	25,055	0.2	1.5
$20,000 to $100,000	8	4	21.1	12.1	45	20	6.0	3.8	377,065	187,225	1.0	1.9	126,621	15,933	2.2	0.9
$100,000 to $500,000	6	11	15.8	33.3	64	[1] 344	8.6	65.8	1,631,065	2,909,118	4.3	29.2	238,611	[1] 1,127,419	4.2	66.7
$500,000 to $1,000,000	5	3	13.2	9.1	102	.....	13.6	.....	3,104,000	2,237,926	8.3	22.5	4,620,080	.....	8.2	.....
$1,000,000 and over	10	3	26.3	9.1	522	130	69.8	24.9	32,415,579	4,529,371	86.3	45.5	4,704,326	517,006	85.0	30.6
FOUNDRY AND MACHINE-SHOP PRODUCTS [3]	138	106	100.0	100.0	4,747	3,072	100.0	100.0	19,779,852	6,345,881	100.0	100.0	10,994,697	3,376,704	100.0	100.0
Less than $5,000	32	23	23.2	21.7	18	30	0.4	1.0	82,408	58,324	0.4	0.9	52,679	37,468	0.5	1.1
$5,000 to $20,000	27	37	19.6	34.9	96	205	2.0	6.7	260,410	396,971	1.3	6.3	177,985	274,563	1.6	8.1
$20,000 to $100,000	45	31	32.6	29.2	642	850	13.5	27.7	2,102,399	1,520,666	10.6	24.0	1,230,947	840,686	11.2	24.9
$100,000 to $500,000	24	[1] 15	17.4	14.2	1,155	[1] 1,987	24.3	64.7	5,208,809	[1] 4,369,920	26.3	68.9	2,833,142	[1] 2,223,087	25.8	65.9
$500,000 to $1,000,000	5	.....	3.6	.....	967	.....	20.4	.....	3,410,546	.....	17.2	.....	2,003,916	.....	18.2	.....
$1,000,000 and over	5	.....	3.6	.....	1,869	.....	39.4	.....	8,715,280	.....	44.1	.....	4,696,028	.....	42.7	.....
ICE, MANUFACTURED	73	70	100.0	100.0	1,063	927	100.0	100.0	3,774,291	1,762,193	100.0	100.0	2,620,633	1,357,205	100.0	100.0
Less than $5,000	10	15	13.7	21.4	12	21	1.1	2.3	31,774	37,695	0.8	2.1	16,871	28,528	0.6	2.1
$5,000 to $20,000	28	33	38.4	47.1	101	158	9.5	17.0	322,286	352,077	8.5	20.0	209,405	265,648	8.0	19.6
$20,000 to $100,000	24	19	32.9	27.1	300	446	28.2	48.1	979,954	861,140	26.0	48.9	654,408	642,992	25.0	47.4
$100,000 to $500,000	11	3	15.1	4.3	650	302	61.1	32.6	2,440,277	511,281	64.7	29.0	1,739,949	420,037	66.4	30.9
LUMBER AND TIMBER PRODUCTS	1,450	1,821	100.0	100.0	12,847	14,452	100.0	100.0	38,495,831	21,679,782	100.0	100.0	24,232,745	12,487,143	100.0	100.0
Less than $5,000	697	1,260	48.1	69.2	772	3,461	6.0	23.9	1,653,448	2,704,578	4.3	12.5	1,172,546	1,700,846	4.8	13.6
$5,000 to $20,000	489	393	33.7	21.6	1,988	2,899	15.5	20.1	4,882,424	3,461,966	12.7	16.0	3,204,855	2,137,194	13.5	17.1
$20,000 to $100,000	190	121	13.1	6.6	2,938	3,018	22.9	20.9	7,846,845	4,839,487	20.4	22.3	5,283,000	2,723,400	21.8	21.8
$100,000 to $500,000	61	[4] 47	4.2	2.6	3,982	[4] 5,074	31.0	35.1	13,647,225	[4] 10,673,751	35.5	49.2	8,154,581	[4] 5,925,694	33.7	47.5
$500,000 to $1,000,000	10	.....	0.7	.....	1,655	.....	12.9	.....	6,995,574	.....	18.2	.....	3,960,230	.....	16.3	.....
$1,000,000 and over	3	.....	0.2	.....	1,512	.....	11.8	.....	3,470,315	.....	9.0	.....	2,397,533	.....	9.9	.....
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS	109	134	100.0	100.0	2,737	3,012	100.0	100.0	12,370,082	7,859,496	100.0	100.0	4,838,221	3,299,162	100.0	100.0
Less than $5,000	13	39	11.9	29.1	13	68	0.5	2.3	29,849	95,273	0.2	1.2	12,122	48,404	0.3	1.5
5,000 to $20,000	28	29	25.7	21.6	101	174	3.7	5.8	314,093	305,987	2.5	3.9	130,521	140,874	2.9	4.5
20,000 to $100,000	35	40	32.1	29.9	568	778	20.8	25.8	1,794,865	1,704,764	14.5	21.7	800,724	689,088	16.5	20.9
100,000 to $500,000	29	[1] 26	26.6	19.4	1,559	[1] 1,992	57.0	66.1	6,825,291	[1] 5,753,472	55.2	73.2	2,775,788	[1] 2,411,196	57.4	73.1
500,000 and over	4	.....	3.7	.....	496	.....	18.1	.....	3,405,984	.....	27.5	.....	1,110,066	.....	22.9	.....

[1] Includes the group "$500,000 to $1,000,000."
[2] Less than one-tenth of 1 per cent.
[3] Includes "iron and steel, welding," and "textile machinery and parts."
[4] Includes the groups "$500,000 to $1,000,000," and "$1,000,000 and over."

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914—Continued.

Industry and value of product	Number of establishments				Average number of wage earners				Value of products				Value added by manufacture			
	1919	1914	Per cent distribution 1919	Per cent distribution 1914	1919	1914	Per cent distribution 1919	Per cent distribution 1914	1919	1914	Per cent distribution 1919	Per cent distribution 1914	1919	1914	Per cent distribution 1919	Per cent distribution 1914
MARBLE AND STONE WORK	85	97	100.0	100.0	819	1,273	100.0	100.0	$2,223,099	$1,689,315	100.0	100.0	$1,329,219	$1,169,295	100.0	100.0
Less than $5,000	29	49	34.1	50.5	16	45	2.0	3.5	67,637	99,908	3.0	5.9	33,737	60,301	2.5	5.2
$5,000 to $20,000	29	30	34.1	30.9	77	147	9.4	11.5	271,742	290,798	12.2	17.2	152,233	182,362	11.5	15.6
$20,000 to $100,000	21	15	24.7	15.5	245	566	29.9	44.5	815,239	745,776	36.7	44.1	487,791	527,222	36.7	45.1
$100,000 to $500,000	6	3	7.1	3.1	481	515	58.7	40.5	1,068,481	552,833	48.1	32.7	655,458	399,410	49.3	34.2
PATENT MEDICINES AND COMPOUNDS	67	62	100.0	100.0	765	516	100.0	100.0	8,274,714	4,025,646	100.0	100.0	4,960,021	2,632,941	100.0	100.0
Less than $5,000	23	22	34.3	35.5	14	16	1.8	3.1	48,080	46,900	0.6	1.2	26,192	36,622	0.5	1.4
$5,000 to $20,000	18	21	26.9	33.9	35	54	4.6	10.5	172,628	223,113	2.1	5.5	111,773	136,294	2.3	5.2
$20,000 to $100,000	15	12	22.4	19.4	119	101	15.6	19.6	768,224	453,448	9.3	11.3	532,702	305,191	10.7	11.6
$100,000 to $500,000	6	[1] 7	9.0	11.3	145	[1] 345	19.0	66.9	1,337,309	[1] 3,302,185	16.2	82.0	843,502	[1] 2,154,834	17.0	81.8
$500,000 and over	5	.....	7.5	.....	452	.....	59.1	.....	5,948,473	.....	71.9	.....	3,445,852	.....	69.5	.....
PRINTING AND PUBLISHING, BOOK AND JOB	146	142	100.0	100.0	1,277	1,161	100.0	100.0	5,604,176	2,961,955	100.0	100.0	3,434,383	1,999,397	100.0	100.0
Less than $5,000	53	74	36.3	52.1	24	77	1.9	6.6	119,313	158,671	2.1	5.4	73,751	109,339	2.1	5.5
$5,000 to $20,000	41	37	28.1	26.1	135	159	10.6	13.7	441,812	362,367	7.9	12.2	298,011	243,820	8.7	12.2
$20,000 to $100,000	38	26	26.0	18.3	383	461	30.0	39.7	1,543,971	1,184,072	27.5	40.0	968,915	819,548	28.2	41.0
$100,000 to $1,000,000	14	5	9.6	3.5	735	464	57.6	40.0	3,499,080	1,256,845	62.4	42.4	2,093,706	826,690	61.0	41.3
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS	220	282	100.0	100.0	1,690	1,440	100.0	100.0	10,228,670	5,077,180	100.0	100.0	6,926,723	3,755,764	100.0	100.0
Less than $5,000	108	187	49.1	66.3	113	228	6.7	15.8	282,056	382,797	2.8	7.5	207,592	307,983	3.0	8.2
$5,000 to $20,000	85	71	38.6	25.2	246	215	14.6	14.9	836,024	625,812	8.2	12.3	633,510	518,974	9.1	13.8
$20,000 to $100,000	10	13	4.5	4.6	146	180	8.6	12.5	446,708	671,540	4.4	13.2	288,889	486,171	4.2	12.9
$100,000 to $500,000	11	[2] 11	5.0	3.9	416	[2] 817	24.6	56.7	3,216,741	[2] 3,397,031	31.4	66.9	2,480,471	[2] 2,442,636	35.8	65.0
$500,000 and over	6	.....	2.7	.....	769	.....	45.4	.....	5,447,141	.....	53.3	.....	3,316,261	.....	47.9	.....
SADDLERY AND HARNESS	43	63	100.0	100.0	614	413	100.0	100.0	4,789,806	1,624,813	100.0	100.0	1,765,556	572,997	100.0	100.0
Less than $5,000	6	27	14.0	42.9	2	19	0.3	4.6	14,480	59,523	0.3	3.7	6,416	31,251	0.4	5.5
$5,000 to $20,000	20	23	46.5	36.5	35	74	5.7	17.9	186,146	216,136	3.9	13.3	81,291	110,403	4.6	19.3
$20,000 to $100,000	7	8	16.3	12.7	36	94	5.9	22.8	316,590	378,599	6.6	23.3	116,495	120,572	6.6	21.0
$100,000 to $500,000	7	5	16.3	7.9	277	226	45.1	54.7	2,013,737	970,555	42.0	59.7	634,403	310,771	35.9	54.2
$500,000 to $1,000,000	3	.....	7.0	.....	264	.....	43.0	.....	2,258,853	.....	47.2	.....	926,951	.....	52.5	.....

[1] Includes the groups "$500,000 to $1,000,000," and "$1,000,000 and over."

[2] Includes the group "$500,000 to $1,000,000."

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

City and value of product	Number of establishments	Wage earners: Average number	Wage earners: Per cent of total	Value of products: Amount	Value of products: Per cent of total	Value added by manufacture: Amount	Value added by manufacture: Per cent of total
CHATTANOOGA	281	10,588	100.0	$58,021,825	100.0	$25,507,113	100.0
Less than $5,000	47	48	0.5	145,085	0.3	89,424	0.3
$5,000 to $20,000	72	198	1.9	752,841	1.3	424,763	1.7
$20,000 to $100,000	80	1,174	11.1	4,335,206	7.5	2,276,809	8.9
$100,000 to $500,000	54	3,373	31.9	14,598,574	25.2	7,473,508	29.3
$500,000 to $1,000,000	14	2,281	21.5	9,524,233	16.4	4,991,599	19.6
$1,000,000 and over	14	3,514	33.2	28,665,886	49.4	10,251,010	40.2
JACKSON	50	1,806	100.0	8,316,139	100.0	3,728,978	100.0
Less than $5,000	4	1	0.1	12,479	0.1	5,104	0.1
$5,000 to $20,000	14	52	2.9	158,963	1.9	88,693	2.4
$20,000 to $100,000	17	178	9.9	869,729	10.5	410,520	11.0
$100,000 to $500,000	8	317	17.6	1,511,774	18.2	846,022	22.7
$500,000 and over	7	1,258	69.6	5,763,194	69.3	2,378,639	63.8
JOHNSON CITY	36	1,061	100.0	8,801,085	100.0	2,784,250	100.0
Less than $5,000	4	6	0.6	9,740	0.1	6,019	0.2
$5,000 to $20,000	7	20	1.9	60,652	0.7	32,454	1.2
$20,000 to $100,000	13	144	13.6	558,288	6.3	189,923	6.8
$100,000 to $500,000	9	699	65.9	2,416,764	27.5	1,050,897	37.7
$500,000 and over	3	192	18.1	5,755,641	65.4	1,504,957	54.1
KNOXVILLE	194	11,384	100.0	$51,694,298	100.0	$20,959,584	100.0
Less than $5,000	21	17	0.1	55,840	0.1	36,826	0.2
$5,000 to $20,000	51	180	1.6	510,113	1.0	319,565	1.5
$20,000 to $100,000	56	775	6.8	2,942,404	5.7	1,611,690	7.7
$100,000 to $500,000	47	2,557	22.5	10,854,236	21.0	5,196,541	24.8
$500,000 to $1,000,000	8	1,320	11.6	5,948,655	11.5	2,544,249	12.1
$1,000,000 and over	11	6,535	57.4	31,377,050	60.7	11,250,713	53.7
MEMPHIS	379	11,963	100.0	117,717,829	100.0	39,593,146	100.0
Less than $5,000	42	22	0.2	102,105	0.1	62,896	0.2
$5,000 to $20,000	97	243	2.0	1,052,015	0.9	631,719	1.6
$20,000 to $100,000	113	1,051	8.8	5,086,284	4.3	2,645,110	6.7
$100,000 to $500,000	81	3,394	28.4	20,011,334	17.0	9,257,821	23.4
$500,000 to $1,000,000	22	2,602	21.8	16,096,509	13.7	6,957,587	17.6
$1,000,000 and over	24	4,651	38.9	75,369,582	64.0	20,038,013	50.6
NASHVILLE	391	10,666	100.0	71,108,252	100.0	25,662,259	100.0
Less than $5,000	72	37	0.3	181,266	0.3	120,998	0.5
$5,000 to $20,000	96	281	2.6	1,047,760	1.5	657,280	2.6
$20,000 to $100,000	112	1,346	12.6	5,426,527	7.6	2,713,748	10.6
$100,000 to $500,000	72	3,028	28.4	16,932,242	23.8	7,588,503	29.6
$500,000 to $1,000,000	29	3,982	37.3	20,248,831	28.5	8,955,153	34.9
$1,000,000 and over	10	1,992	18.7	27,271,626	38.4	5,626,577	21.9

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.				Per cent of total.			Value of products.				Per cent of total.		
		Individuals.	Corporations.	All others.	Total.	In establishments owned by— Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.	Total.	Of establishments owned by— Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1919	2,125	1,286	1,178	95,167	7,611	79,334	8,222	8.0	83.4	8.6	$556,253,162	$36,498,083	$474,208,615	$45,546,464	6.6	85.2	8.2
	1914	2,418	1,150	1,207	74,373	9,719	55,808	8,846	13.1	75.0	11.9	212,071,489	19,752,525	167,891,900	24,427,064	9.3	79.2	11.5
	1909	2,182	1,068	1,359	73,840	11,349	51,716	10,775	15.4	70.0	14.6	180,216,548	22,206,362	133,750,538	24,259,648	12.3	74.2	13.5
Automobile repairing	1919	74	27	62	603	237	220	146	39.3	36.5	24.2	2,329,353	891,236	723,962	714,155	38.3	31.1	30.7
	1914	4	4	5	46	11	20	15	23.9	43.5	32.6	94,619	18,400	33,744	42,475	19.4	35.7	44.9
Bread and other bakery products.	1919	88	22	25	1,325	281	853	191	21.2	64.4	14.4	8,444,962	1,634,762	5,249,347	1,560,853	19.4	62.2	18.5
	1914	113	21	17	1,152	291	707	154	25.3	61.4	13.4	4,092,664	986,573	2,570,561	535,530	24.1	62.8	13.1
Brick and tile, terra-cotta, and fire-clay products.	1919	15	22	9	1,265	285	936	44	22.5	74.0	3.5	2,782,669	641,676	2,073,087	67,906	23.1	74.5	2.4
	1914	29	21	22	1,640	395	1,036	209	24.3	63.2	12.7	1,637,972	286,562	1,183,497	167,913	17.5	72.3	10.3
Canning and preserving, fruits and vegetables.	1919	26	9	27	593	143	213	237	24.1	35.9	40.0	1,513,347	418,399	544,444	550,504	27.6	36.0	36.4
	1914	36	7	19	381	124	88	169	32.5	23.1	44.4	496,225	143,850	87,970	264,405	29.0	17.7	53.3
Carriages and wagons, including repairs.	1919	23	8	16	598	80	382	136	13.4	63.9	22.7	2,577,390	226,182	1,943,577	407,631	8.8	75.4	15.8
	1914	38	12	31	714	115	356	243	16.1	49.9	34.0	1,395,004	191,758	799,966	403,280	13.7	57.3	28.9
Confectionery and ice cream.	1919	20	34	14	1,397	46	1,200	151	3.3	85.9	10.8	10,017,191	327,649	8,446,179	1,243,363	3.3	84.3	12.4
	1914	21	25	9	888	69	758	61	7.8	85.4	6.9	3,644,635	186,505	3,208,859	249,211	5.1	88.0	6.8
Flour-mill and gristmill products.	1919	358	86	217	1,472	215	1,030	227	14.6	70.0	15.4	51,912,531	5,942,923	38,876,607	7,093,001	11.4	74.9	13.7
	1914	257	70	185	1,497	312	905	280	20.8	60.5	18.7	26,413,574	3,847,636	18,506,701	4,059,237	14.6	70.1	15.4
Food preparations, not elsewhere specified.	1919	11	19	8	748	97	503	148	13.0	67.2	19.8	37,579,921	3,750,409	29,153,147	4,676,365	10.0	77.6	12.4
	1914	11	15	7	523	36	399	88	6.9	76.3	16.8	9,955,350	283,898	7,441,775	2,229,677	2.9	74.8	22.4
Foundry and machine-shop products.[1]	1919	49	57	32	4,747	277	4,212	258	5.8	88.7	5.4	19,779,852	978,542	17,887,541	913,769	4.9	90.4	4.6
	1914	37	50	19	3,072	230	2,695	147	7.5	87.7	4.8	6,345,881	409,995	5,601,982	333,904	6.5	88.3	5.3
Furniture[2]	1919	9	33	8	3,522	526	2,958	38	14.9	84.0	1.1	9,703,221	1,106,840	8,564,963	121,418	11.3	87.5	1.2
	1914	18	26	14	2,172	367	1,702	103	16.9	78.4	4.7	3,739,558	448,110	3,144,838	146,610	12.0	84.1	3.9
Ice, manufactured	1919	9	49	15	1,063	35	914	114	3.3	86.0	10.7	3,774,291	135,832	3,300,578	337,881	3.6	87.4	9.0
	1914	3	52	15	927	49	784	94	5.3	84.6	10.1	1,762,193	75,262	1,499,125	187,806	4.3	85.1	10.7
Lumber and timber products.	1919	834	151	465	12,847	2,778	7,068	3,001	21.6	55.0	23.4	38,495,831	7,790,931	22,007,602	8,697,298	20.2	57.4	22.4
	1914	1,151	137	533	14,452	4,827	6,392	3,233	33.4	44.2	22.4	21,679,782	5,683,062	11,603,405	4,393,315	26.2	53.5	20.3
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	29	56	24	2,737	162	2,297	278	5.9	83.9	10.2	12,370,082	484,342	10,089,764	1,795,976	3.9	81.6	14.5
	1914	40	57	37	3,012	269	2,153	590	8.9	71.5	19.6	7,859,496	441,290	6,227,747	1,190,529	5.6	79.2	15.1
Marble and stone work	1919	52	15	18	819	114	628	77	13.9	76.7	9.4	2,223,099	466,338	1,448,751	308,010	21.0	65.2	13.9
	1914	61	18	18	1,273	143	1,030	100	11.2	80.9	7.9	1,689,315	311,959	1,157,937	219,419	18.5	68.5	13.0
Mattresses and spring beds, not elsewhere specified.	1919	4	10	4	410	24	327	59	5.9	79.8	14.4	2,808,659	142,250	2,280,418	385,982	5.1	81.2	13.7
	1914	4	12	4	316	20	257	39	6.3	81.3	12.3	981,407	56,612	772,991	151,804	5.8	78.8	15.5
Mineral and soda waters	1919	36	28	16	479	156	266	57	32.6	55.5	11.9	3,942,445	1,005,486	2,436,979	499,980	25.5	61.8	12.7
	1914	34	34	18	276	80	175	21	29.0	63.4	7.6	1,263,128	410,829	757,499	94,800	32.5	60.0	7.5
Patent medicines and compounds.	1919	29	32	6	765	72	668	25	9.4	87.3	3.3	8,274,714	236,428	7,894,860	143,426	2.9	95.4	1.7
	1914	18	38	6	516	32	291	193	6.2	56.4	37.4	4,025,646	110,161	2,403,503	1,511,982	2.9	59.7	37.6
Printing and publishing, book and job.	1919	70	48	28	1,277	150	990	137	11.7	77.5	10.7	5,604,176	625,640	4,362,258	616,278	11.2	77.8	11.0
	1914	83	37	22	1,161	149	832	180	12.8	71.7	15.5	2,961,955	347,220	2,121,829	492,906	11.7	71.6	16.6
Printing and publishing, newspapers and periodicals.	1919	123	48	49	1,690	327	1,162	201	19.3	68.8	11.9	10,228,670	1,141,053	6,158,361	2,129,256	12.9	66.3	20.8
	1914	153	65	64	1,440	322	996	122	22.4	69.2	8.5	5,077,180	678,727	3,973,485	424,968	13.4	78.3	8.4
Saddlery and harness	1919	21	12	10	614	108	425	81	17.6	69.2	13.2	4,789,806	872,199	3,459,545	458,062	18.2	72.2	9.6
	1914	32	18	13	413	46	308	59	11.1	74.6	14.3	1,624,813	200,789	1,167,370	256,654	12.4	71.8	15.8
Total for cities	1919	458	654	219	47,468	2,555	42,047	2,866	5.4	88.6	6.0	315,659,428	16,504,062	279,973,657	19,181,709	5.2	88.7	6.1
	1914	439	549	214	28,684	2,210	24,042	2,432	7.7	83.8	8.5	106,141,727	6,007,427	91,136,179	8,998,121	5.7	85.9	8.5
CHATTANOOGA	1919	100	152	29	10,588	604	9,620	364	5.7	90.9	3.4	58,021,825	2,694,680	53,356,741	1,970,404	4.6	92.0	3.4
	1914	102	132	42	7,182	513	6,401	268	7.1	89.1	3.7	20,368,555	1,431,987	18,302,499	634,069	7.0	89.9	3.1
JACKSON	1919	12	27	11	1,806	42	1,635	129	2.3	90.5	7.1	8,316,139	191,750	7,634,053	490,336	2.3	91.8	5.9
	1914	16	23	7	1,509	60	1,355	94	4.0	89.8	6.2	3,417,168	160,361	2,951,305	305,502	4.7	86.4	8.9
JOHNSON CITY	1919	5	24	7	1,061	74	964	23	7.0	90.9	2.2	8,801,085	185,995	8,543,200	71,890	2.1	97.1	0.8
	1914	12	16	2	611	[3] 67	544	.....	11.0	89.0	.....	2,600,161	[3] 140,937	2,459,224	.....	5.4	94.6	.....
KNOXVILLE	1919	60	110	24	11,384	456	10,561	367	4.0	92.8	3.2	51,694,208	1,751,975	48,603,896	1,248,427	3.4	94.2	2.4
	1914	58	58	26	2,420	301	1,684	435	12.4	69.6	18.0	7,346,107	606,011	5,899,637	840,459	8.2	80.3	11.4
MEMPHIS	1919	145	172	62	11,963	684	10,509	770	5.7	87.8	6.4	117,717,829	5,189,158	105,135,703	7,392,968	4.4	89.3	6.3
	1914	148	162	44	8,389	597	7,278	514	7.1	86.8	6.1	39,133,497	2,056,453	34,840,386	2,230,658	5.3	89.0	5.7
NASHVILLE	1919	136	169	86	10,666	695	8,758	1,213	6.5	82.1	11.4	71,108,252	6,490,504	56,610,064	8,007,684	9.1	79.6	11.3
	1914	103	158	93	8,573	672	6,780	1,121	7.8	79.1	13.1	33,276,239	1,611,678	26,677,128	4,987,433	4.8	80.2	15.0

[1] Includes "iron and steel, welding," and "textile machinery and parts." [2] Includes refrigerators in 1914. [3] Includes the group "All others."

TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Census year.	Aggregate.	Cities having a population of 10,000 or over.								The state 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	1919	.....	6	.....	2	.....	2	.....	2	.....	.....	.....
	1914	.....	6	.....	2	.....	2	.....	2	.....	.....	.....
	1909	.....	5	.....	1	.....	2	.....	2	.....	.....	.....
Population [1]	1920	2,337,885	447,708	19.1	31,302	1.3	135,713	5.8	280,693	12.0	1,890,177	80.8
	1915	2,254,754	380,805	16.9	27,674	1.2	95,001	4.2	258,130	11.4	1,873,949	83.1
	1910	2,184,789	338,198	15.5	15,779	0.7	80,950	3.7	241,469	11.1	1,846,591	84.5
Number of establishments	1919	4,589	1,331	29.0	86	1.9	475	10.4	770	16.8	3,258	71.0
	1914	4,775	1,202	25.2	76	1.6	418	8.8	708	14.8	3,573	74.8
	1909	4,609	1,096	23.8	42	0.9	341	7.4	713	15.5	3,513	76.2
Average number of wage earners	1919	95,167	47,468	49.9	2,867	3.0	21,972	23.1	22,629	23.8	47,699	50.1
	1914	74,373	28,684	38.6	2,120	2.9	9,602	12.9	16,962	22.8	45,689	61.4
	1909	73,840	27,825	37.7	1,405	1.9	8,772	11.9	17,648	23.9	46,015	62.3
Value of products	1919	$556,253,162	$315,659,428	56.7	$17,117,224	3.1	$109,716,123	19.7	$188,826,081	33.9	$240,593,734	43.3
	1914	212,071,489	106,141,727	50.0	6,017,329	2.8	27,714,662	13.1	72,409,736	34.1	105,929,762	49.9
	1909	180,216,548	86,406,462	47.9	2,709,773	1.5	23,805,473	13.2	59,891,216	33.2	93,810,086	52.1
Value added by manufacture	1919	211,486,432	118,235,330	55.9	6,513,228	3.1	46,466,697	22.0	65,255,405	30.9	93,251,102	44.1
	1914	88,641,354	44,875,005	50.6	2,225,824	2.5	12,605,837	14.2	30,043,344	33.9	43,766,349	49.4
	1909	76,200,714	36,451,786	47.8	1,495,202	2.0	10,372,966	13.6	24,583,618	32.2	39,748,928	52.2

[1] Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.

TABLE 16.—COMPARATIVE SUMMARY—BRISTOL, TENN., AND BRISTOL, VA.: 1919 AND 1914.

	Total.			Bristol, Tenn.			Bristol, Va.		
	1919	1914	Per cent of increase,[1] 1914–1919.	1919	1914	Per cent of increase,[1] 1914–1919.	1919	1914	Per cent of increase,[1] 1914–1919.
Population [2]	14,776	14,906	−0.9	8,047	7,948	1.2	6,729	6,958	−3.3
Number of establishments	58	57	.....	25	26	.....	33	31	.....
Persons engaged	2,053	1,385	48.2	558	390	43.1	1,495	995	50.3
Proprietors and firm members	34	31	.....	17	12	.....	17	19	.....
Salaried employees	290	225	28.9	82	90	.....	208	135	54.1
Wage earners (average number)	1,729	1,129	53.1	459	288	59.4	1,270	841	51.0
Primary horsepower	4,886	3,651	33.8	453	666	−32.0	4,433	2,985	48.5
Capital	$7,074,078	$2,940,791	140.6	$1,743,349	$907,621	92.1	$5,330,729	$2,033,170	162.2
Salaries and wages	2,103,987	689,533	205.1	363,183	195,236	86.0	1,740,804	494,297	252.2
Salaries	588,849	239,862	145.5	112,091	98,125	14.2	476,758	141,737	236.4
Wages	1,515,138	449,671	236.9	251,092	97,111	158.6	1,264,046	352,560	258.5
Cost of materials	6,198,117	2,087,120	197.0	961,824	441,332	117.9	5,236,293	1,645,788	218.2
Value of products	10,289,378	3,397,426	202.9	1,834,476	854,575	114.7	8,454,902	2,542,851	232.5
Value added by manufacture	4,091,261	1,310,306	212.2	872,652	413,243	111.2	3,218,609	897,063	258.8

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

[2] Census estimates of population for 1914.

TABLE 17.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

CITY AND INDUSTRY.	VALUE OF PRODUCTS.			
	Amount, 1919.	Per cent of total for the state.	Increase over 1914.	
			Amount.	Per cent.
CHATTANOOGA.				
Foundry and machine-shop products	$11,714,045	59.6	$7,986,905	214.2
Confectionery and ice cream	3,050,136	30.4	(1)	.....
Furniture	2,476,770	25.3	(1)	.....
Knit goods	2,058,268	6.2	(1)	.....
Bread and other bakery products	1,618,979	19.2	754,786	87.3
Patent medicines and compounds	1,423,231	17.2	915,290	180.2
Lumber, planing-mill products, not including planing mills connected with sawmills	1,124,484	9.1	317,740	39.4
Stoves and hot-air furnaces	975,024	19.0	667,010	216.6
Mattresses and spring beds, not elsewhere specified	533,032	19.0	(1)	.....
Printing and publishing, book and job	503,455	9.0	176,164	53.8
Agricultural implements; Boxes, paper and other, not elsewhere specified; Boxes, wooden packing, except cigar boxes; Brick and tile, terra-cotta, and fire-clay products; Cars and general shop construction and repairs by steam-railroad companies; Coffins, burial cases, and undertakers' goods; Cotton goods; Dyestuffs and extracts—natural; Flour-mill and gristmill products; Food preparations, not elsewhere specified; Iron and steel, cast-iron pipe; Leather tanned, curried, and finished; Liquors, malt; Oil and cake, cottonseed; Refrigerators; Structural ironwork, not made in steel works or rolling mills.	(1)	(1)	(1)	(1)
KNOXVILLE.				
Knit goods	6,896,123	20.9	(2)	.....
Clothing, men's	2,663,402	37.0	1,877,125	238.7
Foundry and machine-shop products	2,626,110	13.4	2,366,052	909.8
Confectionery and ice cream	1,614,494	16.1	898,575	125.5
Furniture	1,249,740	12.8	1,226,391	5,252.4
Marble and stone work	1,057,034	47.5	868,065	459.4
Printing and publishing, newspapers and periodicals	880,125	8.6	480,770	120.3
Lumber, planing-mill products, not including planing mills connected with sawmills	846,498	6.8	150,643	21.6
Bread and other bakery products	666,364	7.9	339,101	103.6
Lumber and timber products	660,738	1.7	(2)	.....
Cars and general shop construction and repairs by steam-railroad companies; Cotton goods; Dyestuffs and extracts—natural; Flour-mill and gristmill products; Iron and steel, steel works and rolling mills; Slaughtering and meat packing; Steam fittings and steam and hot-water heating apparatus.	(1)	(1)	(1)	(1)
MEMPHIS.				
Oil and cake, cottonseed	21,834,810	51.7	15,312,915	234.8
Food preparations, not elsewhere specified	11,567,803	30.8	8,103,017	233.9
Flour-mill and gristmill products	4,520,933	8.7	3,267,925	260.8
Lumber and timber products	3,639,471	9.5	3,018,877	486.4
Bread and other bakery products	3,553,277	42.1	1,848,878	107.9
Confectionery and ice cream	3,288,012	32.8	1,878,259	133.2
Patent medicines and compounds	3,160,227	38.2	1,689,427	114.9
Printing and publishing, newspapers and periodicals	2,613,689	25.6	1,300,997	99.1
Lumber, planing-mill products, not including planing mills connected with sawmills	1,831,801	14.8	368,667	25.2
MEMPHIS—Continued.				
Foundry and machine-shop products	$1,738,677	8.8	$1,176,099	209.0
Mattresses and spring beds, not elsewhere specified	1,662,668	59.2	1,163,454	233.1
Printing and publishing, book and job	1,420,539	25.3	656,502	85.9
Mineral and soda waters	1,306,424	33.1	1,038,220	387.1
Druggists' preparations	1,243,035	65.7	(1)	.....
Ice, manufactured	1,241,835	32.9	735,599	145.3
Saddlery and harness	1,081,261	22.6	799,996	284.4
Paints	931,554	61.3	539,706	137.7
Automobile repairing	610,287	26.2	(1)	.....
Automobile bodies and parts; Automobiles; Bags, other than paper, not including bags made in textile mills; Carriage and wagon materials; Cars and general shop construction and repairs by steam-railroad companies; Cars, steam-railroad, not including operations of railroad companies; Coffee, roasting and grinding; Coffins, burial cases, and undertakers' goods; Cooperage; Flavoring extracts; Furniture; Gas, illuminating and heating; Tobacco, snuff; Window and door screens.	(1)	(1)	(1)	(1)
NASHVILLE.				
Food preparations, not elsewhere specified	9,526,264	25.3	5,941,607	165.8
Printing and publishing, newspapers and periodicals	3,687,760	36.1	1,704,598	86.0
Printing and publishing, book and job	2,997,598	53.5	1,530,047	104.3
Lumber, planing-mill products, not including planing mills connected with sawmills	1,973,867	16.0	723,200	57.8
Stoves and hot-air furnaces	1,966,885	38.3	(1)	.....
Bread and other bakery products	1,769,140	20.9	1,025,223	137.8
Confectionery and ice cream	1,737,151	17.3	1,239,833	249.3
Furniture	1,512,140	15.4	932,280	160.8
Lumber and timber products	1,292,348	3.4	496,796	62.4
Foundry and machine-shop products	1,084,951	5.5	565,061	108.7
Saddlery and harness	948,872	19.8	400,200	72.9
Ice, manufactured	650,168	17.2	(1)	.....
Mattresses and spring beds, not elsewhere specified	440,841	15.7	245,700	125.9
Automobile repairing	413,362	17.7	(1)	.....
Bags, other than paper, not including bags made in textile mills; Butter; Carriages and wagons, including repairs; Cars and general shop construction and repairs by steam-railroad companies; Clothing, men's; Coffee, roasting and grinding; Coffins, burial cases, and undertakers' goods; Cotton goods; Flavoring extracts; Flour-mill and gristmill products; Gas, illuminating and heating; Knit goods; Poultry, killing and dressing, not done in slaughtering and meat-packing establishments; Shipbuilding, steel; Shirts; Slaughtering and meat packing; Tobacco, chewing, and snuff; Wood, turned and carved.	(1)	(1)	(1)	(1)

[1] Figures can not be shown without disclosing individual operations.

[2] Not within city limits in 1914.

TABLE 18.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909
Primary power, total	12,274	8,821	6,058	338,814	286,857	242,277	100.0	100.0	100.0
Owned	3,805	4,312	4,441	240,458	228,986	226,972	71.0	79.8	93.7
Steam[1]	2,961	3,581	3,764	227,206	216,156	215,338	67.1	75.4	88.9
Engines	2,888	(2)	(2)	204,408	(2)	(2)	60.3		
Turbines	73	(2)	(2)	22,798	(2)	(2)	6.7		
Internal-combustion engines	547	346	317	5,718	3,435	1,853	1.7	1.2	0.8
Water	297	385	360	7,534	9,395	9,781	2.2	3.3	4.0
Water wheels and turbines	286	371	341	7,468	8,986	9,674	2.2	3.1	4.0
Water motors	11	14	19	66	409	107	(3)	0.2	(3)
Rented	8,469	4,509	1,617	98,356	57,871	15,305	29.0	20.2	6.3
Electric	8,469	4,509	1,617	98,274	57,858	14,666	29.0	20.2	6.1
Other				82	13	639	(3)	(3)	0.3
Electric	10,751	5,983	2,579	131,411	83,107	29,586	100.0	100.0	100.0
Rented	8,469	4,509	1,617	98,274	57,858	14,666	74.8	69.6	49.6
Generated by establishments reporting	2,282	1,474	962	33,137	25,249	14,920	25.2	30.4	50.4

[1] Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.
[2] Figures not available.
[3] Less than one-tenth of 1 per cent.

TABLE 19.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries 1919	5,675	2,738,350	475,310	99,899	11,077	161,850
1914	2,231	1,830,582	371,945	64,113	(1)	60,634
Per cent of increase	154.4	49.6	27.8	73.1	(1)	166.9
Agricultural implements	3	5,144	3,982	21	75	544
Bread and other bakery products	774	6,098	5,457	7	176	7,201
Brick and tile, terra-cotta, and fire-clay products		131,686	2,872		22	
Cars and general shop construction and repairs by steam-railroad companies	25	97,354	818	9,802	57	
Cars, steam-railroad, not including operations of railroad companies		17,112	3,336	16,050	175	
Cement		149,464	19			
Chemicals		29,602	2,300	608		
Coke, not including gas-house coke		447,003				
Confectionery and ice cream		13,355	1,305	60	23	9,041
Cotton goods		61,182	25			
Dyestuffs and extracts—natural		114,715		970		
Ferroalloys			41,955			
Fertilizers		13,530		2,987		
Flour-mill and gristmill product[1]	1,996	64,382	83	2,306	5,017	50
Food preparations, not elsewhere specified		21,926	10		1,058	42,581
Foundry and machine-shop products	62	35,397	21,267	1,016	815	550
Furniture		17,318	118	10	108	
Gas, illuminating and heating		99,406	239	57,124		
Glass		7,500		500		72,927
Ice, manufactured		147,690	560	24	63	
Iron and steel, blast furnaces		25,508	322,357			
Iron and steel, steel works and rolling mills		40,203	1,943			
Iron and steel, cast-iron pipe		3,490	10,549		16	
Knit goods		47,400		13	566	264
Lime		43,393		6	5	
Lumber and timber products	2,000	665,737		1	452	
Lumber, planing-mill products, not including planing mills connected with saw-mills	125	10,236		2	172	
Marble and stone work	12	16,086		80	49	
Oil and cake, cottonseed		126,141		816	24	
Paper and wood pulp		34,215				
Petroleum, refining				3,200		
Pottery		11,820		24		
Smelting and refining, copper		29,627	45,165			
Steam fittings and steam and hot-water heating apparatus		757	72	2,100	125	6,335
Stoves and hot-air furnaces	7	1,462	7,396		126	
Structural ironwork, not made in steel works or rolling mills		2,283	132	1,440	12	1,270
Sulphuric, nitric, and mixed acids		22,021				
Tobacco, chewing and smoking, and snuff		16,476				424
Wood distillation		11,755				
Woolen goods		10,291			130	
All other industries	671	139,585	3,350	732	1,811	20,663
Total for cities	1,709	785,032	77,513	74,163	2,813	122,846
CHATTANOOGA	45	148,689	33,240	1,315	1,861	57,337
JACKSON	238	32,001	646	1,203	203	686
JOHNSON CITY		19,610	24,573	346	55	410
KNOXVILLE		210,057	6,562	6,517	134	9,881
MEMPHIS	1,004	251,049	5,081	48,138	234	15,667
NASHVILLE	422	123,626	7,411	16,644	326	38,865

[1] Included in figures for fuel oils.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for a number of these industries in Tennessee are here presented.

Flour-mill and gristmill products (Table 20).—This table shows the kind, quantity, and value of the flour-mill and gristmill products for 1919, 1914, and 1909.

Wheat flour was the product of chief value in each of the census years. The value of corn meal and corn flour was second in importance. Illustrative of the high prices prevailing in 1919, the value of wheat flour more than doubled from 1914 to 1919, while the quantity produced was practically the same.

TABLE 20.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value	$51,912,531	$26,413,574	$29,070,019
Wheat flour:			
Barrels	3,085,030	3,093,197	3,009,089
Value	$31,413,719	$15,620,227	$17,267,395
Corn meal and corn flour:			
Barrels	1,088,123	1,601,617	1,981,746
Value	$8,373,779	$5,460,920	$6,505,710
Bran and middlings:			
Tons	96,335	124,783	191,993
Value	$4,520,888	$2,890,257	$4,846,630
Feed and offal:			
Tons	127,842	74,659	
Value	$7,258,045	$2,240,085	
All other cereal products, value	$332,002	$127,935	$442,411
All other products, value	$14,098	$74,150	$7,873

Lumber and timber products (Tables 21 and 22).—These tables present statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. For many years Tennessee has been one of the leading hardwood lumber-producing states. In 1919, 78.5 per cent of the total cut was from hardwoods and 21.5 per cent from softwoods. In 1909 this state ranked sixteenth among the states in the production of lumber from all species; in 1914, eighteenth; and in 1919, fifteenth. The total output of lumber decreased 35.3 per cent when compared with the cut for 1909, which was the largest cut of record, and 10.5 per cent with that of 1914.

In 1919 Tennessee led in the production of oak lumber, contributing 12.9 per cent of the total cut from this wood in the United States.

The lumber cut from the principal species in 1919 was reported as follows: Oak 349,725,000 feet, or 44.1 per cent; yellow pine 95,979,000 feet, or 12.1 per cent; gum 80,025,000 feet, or 10.1 per cent; yellow poplar 53,492,000 feet, or 6.8 per cent; hemlock 40,221,000 feet, or 5.1 per cent; chestnut 39,511,000 feet, or 5 per cent; and hickory 28,235,000 feet, or 3.6 per cent. Among other woods sawed into lumber in considerable quantities were cedar, beech, ash, and white pine.

TABLE 21.—LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY.		
	1919	1914	1909
Lumber ... M feet b.m.	792,132	[1] 885,035	1,223,849
Lath ... thousands	8,997	(2)	31,179
Shingles ... thousands	6,574	(2)	35,692

[1] Data for custom mills not included in 1914. [2] Not reported.

The manufacture of cooperage stock is also an important industry in Tennessee. The quantity of such stock produced in 1919 and 1909 is shown in the following table. Comparative figures for 1914 are not available.

TABLE 22.—COOPERAGE STOCK: 1919 AND 1909.

PRODUCT.	TIGHT COOPERAGE STOCK.		SLACK COOPERAGE STOCK.	
	1919	1909	1919	1909
Staves ... pieces	38,854,000	35,744,000	30,732,000	67,127,000
Heading ... sets	3,578,041	3,694,532	1,352,000	3,145,000
Hoops ... pieces	.....	.....	20,223,000	13,130,00

Textiles (Table 23).—Textiles are represented in Tennessee chiefly through the knit-goods and cotton-goods industries, although considerable value of products is reported in the cordage and twine; silk goods, including throwsters; woolen-goods; wool-shoddy; and dyeing and finishing industries.

TABLE 23.—MACHINERY USED IN TEXTILE MILLS: 1919, 1914, AND 1909.

MACHINE.	Census year.	Total.	Cotton goods.	Knit goods.	Silk goods, including throwsters.	Woolen goods.
Producing spindles	1919	406,374	329,337	38,559	7,580	30,898
	1914	342,639	281,906	31,644	.....	28,999
	1909	286,506	225,638	11,892	.....	48,976
Looms	1919	6,206	5,471	.....	.....	735
	1914	6,033	5,160	.....	.....	873
	1909	5,143	4,283	.....	.....	860
Knitting machines	1919	[1] 13,334	.....	[1] 13,334	.....	.....
	1914	6,749	.....	6,749	.....	.....
	1909	3,920	.....	3,920	.....	.....
Woolen card (sets)	1919	58	.....	.....	.....	58
	1914	62	.....	.....	.....	62
	1909	82	.....	.....	.....	82

[1] Includes 348 machines idle entire year.

In 1919 the combined value of the manufactured products of this textile group constituted 12 per cent of the total value of the production of all industries in the state and furnished employment to 17,273, or 18.2 per cent, of the 95,167 wage earners reported by the manufacturing establishments of Tennessee. Knit goods, which predominates in textiles, shows the highest percentage of increase in value of prod-

ucts from 1914 to 1919, with 338 per cent, against 246.3 per cent in cotton goods, and 174.3 per cent in woolen goods.

The number of each of the principal kinds of machines used in the textile industries is given in Table 23 for 1919, 1914, and 1909.

The total number of producing spindles shows an increase from 1914 to 1919 of 18.6 per cent; looms, an increase of 2.9 per cent; and knitting machines, an increase of 97.6 per cent. The number of woolen cards decreased slightly from 1914 to 1919.

Knit goods (Table 24).—The table which follows shows, for 1919, 1914, and 1909, the quantity and cost of the principal materials and the quantity and value of the principal products of the knit-goods industry.

The knitting mills of Tennessee are engaged almost exclusively in the production of cotton hosiery. In 1919 the value of hosiery constituted 67.6 per cent of the total value of knit-goods products, a slightly lower percentage than in 1914. There was an increase of 59.7 per cent in quantity and of 307 per cent in value from 1914 to 1919. In 1919 the value of underwear constituted 23.9 per cent of the total.

TABLE 24.—KNIT GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$20,345,235	$4,399,170	$2,120,225
Cotton yarn, purchased:			
Pounds	15,649,268	10,100,327	4,746,986
Cost	$11,608,167	$2,544,195	$1,203,887
Chemicals and dyestuffs, cost	$462,993	$208,071	$121,614
Fuel and rent of power, cost	$263,145	$75,790	$42,916
All other materials, cost	$8,010,930	$1,571,114	$751,808
PRODUCTS.			
Total value	$32,952,349	$7,522,846	$3,565,436
Hose:			
Dozen pairs	6,787,490	4,491,264	2,420,817
Value	$17,807,608	$4,307,949	$2,075,719
Half hose:			
Dozen pairs	2,055,192	1,045,985	846,339
Value	$4,462,224	$1,163,127	$770,547
Underwear:			
Dozens	925,779	(1)	(2)
Value	$7,891,771	(1)	(2)
All other products, value	$2,790,746	$2,051,770	$719,170

[1] Figures for 3 establishments included with "All other products," to avoid disclosure of individual operations.
[2] Figures not available.

Cotton goods (Table 25).—The quantity and cost of materials used and the kind, quantity, and value of products reported for 1919, 1914, and 1909 are given in this table.

The cost of materials increased 213.9 per cent from 1914 to 1919. Raw cotton constitutes 81.1 per cent of the total cost of materials. The quantity of cotton consumed shows an increase of 5.4 per cent from 1914 to 1919, and 24.9 per cent from 1909 to 1919.

The total value of products increased 246.3 per cent from 1914 to 1919, as compared with 24.7 per cent from 1909 to 1914. The value of woven goods in 1919 represented 61.5 per cent of the total value of the products of the cotton-goods industry, although the yardage of woven goods shows a decrease of 8.2 per cent during the last five-year census period. Details for bagging, the leading type of woven goods produced in the state, can not be presented without the disclosure of individual operations. The decrease in the yardage of sheetings is due principally to change in classification. A normal increase in the pounds of "Cotton waste, for sale" is shown when compared with the increase in the pounds of raw cotton consumed. An increase of 20.9 per cent in the quantity and 265.1 per cent in the value of yarns produced for sale was reported for the last five-year period, the value of these yarns being 29 per cent of the total value of the cotton-goods production in 1919.

TABLE 25.—COTTON GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$14,295,355	$4,554,069	$3,343,672
Cotton:			
Pounds	35,350,601	33,531,384	28,312,077
Cost	$11,589,178	$4,075,406	$2,941,046
Starch, cost	$43,377	$18,219	$8,085
Fuel and rent of power, cost	$366,468	$141,963	$103,111
All other materials, cost	$2,296,332	$318,481	$291,430
PRODUCTS.			
Total value	$22,460,737	$6,485,640	$5,200,791
Woven goods (over 12 inches wide):			
Pounds	21,079,756	(1)	(1)
Square yards	64,543,615	70,271,185	63,029,001
Value	$13,812,757	$4,515,562	$3,683,512
Sheetings—			
Pounds	2,084,594	(1)	(1)
Square yards	9,642,198	24,862,255	7,696,680
Value	$1,282,847	$918,841	$435,958
Other woven goods (over 12 inches wide)—			
Pounds	18,995,162	(1)	(1)
Square yards	54,901,417	45,408,930	55,332,321
Value	$12,529,910	$3,596,721	$3,247,554
Yarn, for sale:			
Pounds	10,398,809	8,601,057	7,443,170
Value	$6,511,335	$1,783,607	$1,378,695
Cotton waste, for sale:			
Pounds	2,428,933	2,246,044	2,164,304
Value	$185,613	$68,806	$56,954
All other products, value	$1,951,032	$117,665	$81,630

[1] Figures not available.

Woolen goods.—Measured by value of products, this industry is less important than either knit goods or cotton goods. The greater part of the output is woolen goods for men's wear, almost evenly distributed between all-wool woven goods and goods woven on cotton warp.

Blankets, all-wool, wool-and-cotton mixed, and cotton-warp, rank next in importance.

Printing and publishing (Table 26).—This table shows the number and aggregate circulation of all newspapers and periodicals published in Tennessee as reported at the censuses of 1919, 1914, and 1909.

The decrease in number of publications was due almost wholly to the decrease in the weekly newspapers reported. The loss in the circulation of this class, however, was more than made up by increases in daily, Sunday, and monthly publications. The

circulation of the dailies increased 85,746, or 28.4 per cent, during the five-year period from 1914 to 1919, and of the Sunday newspapers, 70,234, or 40.9 per cent. Of the 18 dailies, 12 were published in the afternoon, with a circulation of 220,389, this being an increase of 65,624, or 42.4 per cent, over 1914.

In 1919 there was only one foreign-language publication, an Italian weekly. At the census of 1914 there were reported two German weeklies.

TABLE 26.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total	303	344	330	7,768,537	6,966,391	5,601,541
Daily	18	17	16	387,329	301,583	245,658
Sunday	6	6	7	241,792	171,558	183,196
Semiweekly	5	8	10	6,550	11,382	16,925
Weekly	182	224	223	580,548	923,117	923,431
Monthly [1]	51	58	54	2,056,918	1,060,951	583,231
Quarterly	41	31	20	4,495,400	4,497,800	3,649,100

[1] Includes, in 1919, 4 semimonthlies; in 1914, 7 semimonthlies and 1 semiannual; and in 1909, 4 semimonthlies and 1 bimonthly.

Dyestuffs and extracts—natural (Table 27).—This industry was confined in 1919 to the natural dyestuffs and extracts for dyeing and tanning, but it does not include those made by dye and print works or tanneries and consumed by the same. At the prior censuses, 1914 and 1909, it included the artificial dyestuffs. The state ranked third in the industry in 1919, exceeded only by New York and Virginia; sixth in 1914; and fourth in 1909; and its products represented 14 per cent of the total production for the United States in 1919, as compared with 7.4 per cent in 1914, and 8.2 per cent in 1909.

TABLE 27.—DYESTUFFS AND EXTRACTS—NATURAL: 1919, 1914, AND 1909.

	1919	1914	1909
Number of establishments	10	6	6
Total value of products	$7,561,944	$1,535,503	$1,313,020
Tanning materials:			
Pounds	181,318,000	.....	.....
Value	$7,553,999	.....	.....
Chestnut and oak extract—			
Pounds	175,419,000	117,511,000	85,053,000
Value	$7,210,654	$1,457,417	$1,205,390
Hemlock and other—			
Pounds	5,899,000		
Value	$343,345	$78,086	$107,630
All other products, value	$7,495		

Fertilizers (Table 28).—The following table shows the quantity and value of the chief products of the fertilizer industry in Tennessee in 1919, 1914, and 1909. Although the value of the fertilizer products, 1919, shows an increase of 56.5 per cent, as compared with 1914, there was a decrease of 25.2 per cent in quantity production. The total fertilizer production in 1919 shows an average unit value of $27.59 per ton as compared with $13.32 in 1914, and $18 in 1909.

TABLE 28.—FERTILIZERS: 1919, 1914, AND 1909.

	1919	1914	1909
Total value of products	$6,841,797	$4,372,427	$3,249,343
Fertilizers:			
Tons (2,000 pounds)	[1] 243,348	[1] 325,417	179,356
Value	$6,714,664	$4,335,817	$3,234,114
Complete and ammoniated fertilizers—			
Tons	75,308	160,517	139,343
Value	$2,809,287	$2,806,126	$2,770,372
Superphosphates and concentrated phosphates—			
Tons	121,122	47,327	25,322
Value	$2,572,705	$444,664	$244,278
Other fertilizers—			
Tons	46,918	117,573	14,691
Value	$1,332,012	$1,085,027	$213,464
All other products, value	$127,733	$36,610	$15,229

[1] In addition, 150 tons valued at $7,500 in 1919 and 4,040 tons valued at $73,105 in 1914 were produced by cottonseed-oil mills and establishments engaged primarily in the manufacture of other products.

Iron and steel, blast furnaces.—In 1919 the total value of products for the industry was $6,217,593, as compared with $2,245,329 in 1914 and $4,653,125 in 1909, an increase of 177 per cent as compared with 1914, though the product in 1914 was a decrease of 51.7 per cent from that of 1909. The industry in 1914 was at the lowest point since the census of 1889. The recovery, however, is largely due to increase in values, for though the pig-iron tonnage in 1919, 182,033 tons, was 14.7 per cent greater than that of 1914, it was 45.4 per cent less than the output in 1909 and the unit value of the pig-iron product in 1919 averaged $33.79 per ton, as compared with $14.14 in 1914 and $13.93 in 1909.

The iron is chiefly of foundry grade and was all made with coke fuel. In 1914 there was a small production of charcoal iron.

The blast-furnace equipment of the state at the close of 1919, according to the report of the American Iron and Steel Institute, comprised 16 furnaces of 622,300 tons annual capacity. Of these, 14 were coke and 2 were charcoal furnaces. Only 8 coke furnaces of 854 tons daily capacity were active in 1919. In 1914 there were 6 active furnaces of 620 tons daily capacity.

Laundries (Table 29).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 29, however, summarizes the statistics for such laundries in the state for 1919 and 1914.

TABLE 29.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1914–1919.
	1919	1914	
Number of establishments	59	67	.....
Persons engaged	3,041	2,898	4.9
Proprietors and firm members	51	62	.....
Salaried employees	297	256	16.0
Wage earners (average number)	2,693	2,580	4.4
Primary horsepower	3,621	3,107	16.5
Capital	$2,113,707	$1,558,029	35.7
Salaries and wages	1,726,966	1,123,490	53.7
Salaries	434,931	214,819	102.5
Wages	1,292,035	908,671	42.2
Paid for contract work	2,062	1,519	35.7
Rent and taxes	103,384	66,312	55.9
Cost of materials	837,634	437,720	91.4
Amount received for work done	3,630,602	2,296,797	58.5

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

Dyeing and cleaning (Table 30).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to the manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 30.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments	32
Persons engaged	511
Proprietors and firm members	27
Salaried employees	94
Wage earners (average number)	390
Primary horsepower	485
Capital	$450,607
Salaries and wages	382,323
Salaries	117,460
Wages	264,863
Paid for contract work	105
Rent and taxes	50,222
Cost of materials	178,919
Amount received for work done	894,743

Custom gristmills and custom sawmills (Tables 31 and 32).—Statistics for custom gristmills and custom sawmills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914. Tables 31 and 32, however, summarize the statistics for such mills for 1919 and 1909.

TABLE 31.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1909–1919.
	1919	1909	
Number of establishments	1,072	1,068	0.4
Persons engaged	1,389	1,938	−28.3
Proprietors and firm members	1,337	1,403	−4.7
Salaried employees	2	2	.....
Wage earners (average number)	50	533	−90.6
Primary horsepower	12,836	16,587	−22.6
Capital	$1,117,011	$967,643	15.4
Salaries and wages	30,382	58,968	−48.5
Salaries	200	780	−74.4
Wages	30,182	58,188	−48.1
Rent and taxes	14,454	7,428	94.6
Cost of materials[2]	3,078,587	2,210,809	39.3
Value of products[2]	3,856,298	2,648,200	45.6

[1] A minus sign (−) denotes decrease.
[2] Includes estimate of all grain ground.

TABLE 32.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1909–1919.
	1919	1909	
Number of establishments	437	226	93.4
Persons engaged	897	918	−2.3
Proprietors and firm members	613	321	91.0
Salaried employees	.....	3	.....
Wage earners (average number)	284	594	−52.2
Primary horsepower	8,511	4,475	90.2
Capital	$450,801	$237,331	89.9
Salaries and wages	157,815	87,960	79.4
Salaries	.....	275	.....
Wages	157,815	87,685	80.0
Rent and taxes	4,328	831	420.8
Cost of materials	40,797	6,027	576.9
Amount received for work done	377,889	233,204	62.0

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

GENERAL TABLES.

Table 33 gives for 1919, 1914, and 1909 for selected industries in the state and in Chattanooga, Memphis, and Nashville the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products; and for Knoxville, Jackson, and Johnson City similar data for all industries combined.

Table 34 presents for 1919 for the state as a whole and for Chattanooga, Knoxville, Memphis, and Nashville statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and for Jackson and Johnson City, similar data for all industries combined.

TABLE 33.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, and 1909.

INDUSTRY AND CITY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1919	4,589	95,167	338,814	$81,355	$344,767	$556,253
	1914	4,775	74,373	286,857	33,083	123,430	212,071
	1909	4,609	73,840	242,277	28,252	104,016	180,217
Agricultural implements	1919	14	727	2,041	720	1,237	2,516
	1914	17	517	1,450	253	391	1,122
	1909	16	645	1,236	268	413	1,004
Artificial stone products	1919	13	41	164	40	62	168
	1914	21	202	250	84	161	300
	1909	26	115	51	38	58	147
Bags, other than paper, not including bags made in textile mills.	1919	7	662	351	429	10,817	12,318
	1914	4	471	395	156	2,806	3,246
	1909	5	405	576	130	2,081	2,291
Belting, leather	1919	3	29	28	20	39	79
	1914	4	14	54	11	81	115
	1909	3	17	39	10	50	76
Boxes, paper and other, not elsewhere specified.	1919	8	635	242	475	1,396	2,401
	1914	8	281	213	92	342	569
	1909	6	202	114	58	122	258
Bread and other bakery products.	1919	135	1,325	1,257	1,008	4,965	8,445
	1914	151	1,152	887	527	2,392	4,093
	1909	131	855	645	376	1,790	2,892
Brick and tile, terra-cotta, and fire-clay products.	1919	46	1,265	4,377	983	882	2,783
	1914	72	1,640	4,892	704	505	1,638
Brooms	1919	30	62	56	52	200	293
	1914	36	116	53	64	135	252
	1909	29	122	82	43	159	270
Canning and preserving, fruits and vegetables.	1919	62	593	1,438	178	912	1,513
	1914	62	381	738	62	361	496
	1909	37	303	450	39	131	206
Carriages and wagons and materials.	1919	66	1,665	5,634	1,402	3,770	6,691
	1914	108	1,371	4,221	674	1,297	2,677
	1909	129	1,706	4,537	693	1,439	3,039
Cars and general shop construction and repairs by electric-railroad companies.	1919	5	280	1,478	297	287	690
	1914	6	321	441	133	148	301
	1909	6	266	503	150	130	306
Cars and general shop construction and repairs by steam-railroad companies.	1919	20	10,173	9,627	14,901	10,520	26,679
	1914	17	7,201	6,323	4,622	4,586	9,688
	1909	17	5,566	5,145	3,252	3,116	6,777
Clothing, men's, including shirts.	1919	37	1,689	600	830	5,603	8,388
	1914	32	1,647	579	477	1,656	2,965
	1909	34	1,596	503	402	2,123	3,361
Coffee, roasting and grinding	1919	9	191	471	181	3,783	4,998
	1914	7	92	331	40	1,200	1,648
Coffins, burial cases, and undertakers' goods.	1919	9	630	1,289	461	1,468	3,085
	1914	8	411	961	227	538	1,146
	1909	8	480	976	201	522	1,189
Coke, not including gas-house coke.	1919	6	272	2,345	260	1,464	2,017
	1914	5	170	493	74	513	605
	1909	8	250	370	87	478	586
Confectionery and ice cream	1919	68	1,397	1,985	913	5,982	10,017
	1914	55	888	1,828	372	2,226	3,645
Cooperage and wooden goods, not elsewhere specified.	1919	14	290	820	261	1,179	1595
	1914	22	506	991	123	493	688
	1909	19	856	2,209	253	629	1,148
Copper, tin, and sheet-iron work.	1919	59	235	53	225	376	839
	1914	62	307	62	185	347	790
Cotton goods	1919	16	4,895	16,093	3,171	14,295	22,461
	1914	15	3,403	12,311	1,046	4,554	6,486
	1909	17	3,078	11,129	857	3,344	5,201
Dyestuffs and extracts—natural.	1919	10	1,037	7,643	895	3,673	7,562
	1914	6	365	4,065	173	770	1,536
	1909	6	336	4,119	156	642	1,313
Fertilizers	1919	10	821	3,646	713	4,012	6,842
	1914	15	706	3,752	329	2,592	4,372
	1909	12	559	2,152	204	2,122	3,249
Flour-mill and gristmill products.	1919	661	1,472	27,533	1,281	45,176	51,913
	1914	512	1,497	28,246	642	22,072	26,414
	1909	454	1,577	27,176	559	25,286	29,070
Food preparations, not elsewhere specified.	1919	38	748	5,527	611	31,941	37,580
	1914	33	523	4,886	242	8,264	9,955
	1909	23	308	1,661	133	2,711	3,346
Foundry and machine-shop products.[1]	1919	314	6,346	13,499	$6,707	$11,902	$26,001
	1914	142	4,309	10,405	2,385	4,695	9,802
	1909	124	4,041	7,488	2,006	4,560	9,190
Gas, illuminating and heating.	1919	10	474	1,868	421	841	1,801
	1914	12	506	655	292	518	1,571
	1909	11	422	613	164	357	1,282
Ice, manufactured	1919	73	1,063	14,087	887	1,154	3,774
	1914	70	927	13,056	492	405	1,762
	1909	57	770	9,327	362	281	1,324
Iron and steel, blast furnaces	1919	8	884	15,978	883	4,566	6,218
	1914	6	503	6,580	233	1,682	2,245
	1909	13	1,143	18,150	510	3,381	4,653
Jewelry	1919	5	21	12	24	16	81
	1914	8	34	10	31	40	97
	1909	5	19	27	14	42	84
Knit goods	1919	63	10,308	7,060	5,553	20,345	32,952
	1914	26	5,600	4,754	1,527	4,399	7,523
	1909	22	3,117	2,758	724	2,120	3,565
Leather goods[2]	1919	50	743	468	607	3,248	5,261
	1914	70	517	428	259	1,159	851
	1909	47	604	344	243	1,313	2,139
Lime	1919	16	527	1,117	372	451	1,100
	1914	9	432	670	137	108	357
	1909	20	415	668	139	93	323
Liquors, malt	1919	3	222	1,975	205	355	1,180
	1914	4	337	2,755	228	490	1,345
	1909	5	392	3,005	238	653	2,044
Lumber and timber products[3]	1919	1,574	16,510	75,293	12,443	23,143	53,721
	1914	1,972	18,276	84,046	6,853	14,776	31,430
	1909	1,977	22,389	83,382	6,906	13,641	30,457
Marble and stone work	1919	85	819	5,020	672	894	2,223
	1914	97	1,273	4,601	632	520	1,689
	1909	81	1,006	2,781	515	480	1,465
Mattresses and spring beds, not elsewhere specified.	1919	18	410	940	317	1,539	2,809
	1914	20	316	750	149	539	981
	1909	17	272	1,690	104	362	656
Millinery and lace goods, not elsewhere specified.	1919	5	86	7	41	69	214
	1914	5	60	4	22	63	132
	1909	6	92	4	26	101	202
Mineral and soda waters	1919	80	479	1,205	319	1,801	3,942
	1914	86	276	477	140	770	1,263
	1909	83	269	251	101	351	780
Oil and cake, cottonseed	1919	22	1,792	17,017	1,306	34,640	42,258
	1914	24	1,054	10,802	419	9,201	11,414
	1909	20	806	7,472	290	5,201	6,593
Paints	1919	11	126	899	100	1,030	1,521
	1914	9	84	1,180	48	380	621
	1909	6	71	1,045	37	238	397
Patent medicines and compounds and druggists' preparations.[4]	1919	93	1,004	1,041	549	4,892	11,092
	1914	82	648	802	249	1,824	4,943
	1909	76	433	418	148	1,341	3,515
Photo-engraving	1919	5	39	36	51	24	161
	1914	5	42	23	38	14	97
	1909	6	40	20	24	9	69
Printing and publishing[5]	1919	366	2,967	4,735	2,891	5,472	15,833
	1914	424	2,601	2,823	1,835	2,284	8,039
	1909	413	2,914	2,965	1,701	1,054	7,173
Slaughtering and meat packing.[6]	1919	22	352	943	298	5,086	5,871
	1914	25	218	1,278	99	1,643	2,011
	1909	27	280	1,242	140	1,610	2,057
Stoves and hot-air furnaces	1919	16	1,711	1,051	1,524	1,916	5,137
	1914	13	1,412	1,038	867	986	2,795
	1909	17	1,085	1,380	519	717	1,951
Wood, turned and carved	1919	17	706	2,010	496	1,105	2,260
	1914	24	555	1,700	237	536	909
	1909	42	845	2,519	273	520	1,171
Woolen goods	1919	13	1,366	1,966	803	2,232	4,242
	1914	17	1,009	2,302	289	923	1,547
	1909	21	1,654	2,371	410	1,127	1,802
All other industries	1919	374	15,078	78,889	13,480	64,008	104,728
	1914	347	9,052	56,606	4,310	17,036	33,900
	1909	527	11,510	28,084	4,671	16,209	31,596

[1] Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware"; "hardware, saddlery"; "iron and steel, cast-iron pipe"; "iron and steel, welding"; "steam fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts."

[2] Includes "saddlery and harness" and "trunks and valises."

[3] Includes "lumber, planing-mill products, not including planing mills connected with sawmills"; "boxes, wooden packing, except cigar boxes"; and "window and door screens."

[4] Includes "perfumery and cosmetics."

[5] Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."

[6] Includes "sausage, not made in slaughtering and meat-packing establishments."

TABLE 33.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, and 1909—Continued.

INDUSTRY AND CITY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
CHATTANOOGA All industries.	1919	281	10,588	25,561	$10,147	$32,515	$58,022
	1914	276	7,182	21,227	3,836	10,753	20,369
	1909	185	6,410	17,509	2,816	8,434	16,036
Bread and other bakery products.	1919	19	269	95	196	1,006	1,619
	1914	16	254	210	112	544	864
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	6	216	663	179	700	1,124
	1914	7	258	1,174	117	518	807
Marble and stone work	1919	3	19	69	22	24	73
	1914	5	26	80	13	18	49
Patent medicines and compounds.	1919	16	124	176	71	497	1,423
	1914	11	98	87	29	164	508
Printing and publishing, book and job.	1919	25	116	104	132	170	503
	1914	27	122	132	196	123	327
Stoves and hot-air furnaces	1919	4	307	171	201	377	975
	1914	3	178	216	99	87	308
All other industries	1919	208	9,537	24,283	9,346	29,741	52,305
	1914	207	6,246	19,328	3,270	9,299	17,506
KNOXVILLE All industries.	1919	194	11,384	25,612	9,906	30,735	51,694
	1914	142	2,420	6,168	1,063	4,356	7,346
	1909	156	2,362	4,816	887	4,998	7,769
MEMPHIS All industries.	1919	379	11,963	36,134	10,482	78,125	117,718
	1914	354	8,389	24,693	4,901	23,005	39,133
	1909	329	7,927	21,320	4,288	17,851	30,242
Bread and other bakery products.	1919	37	535	624	403	1,949	3,553
	1914	45	531	334	237	843	1,709
	1909	31	421	312	202	864	1,452
Carriages and wagons and materials.	1919	3	232	697	204	513	963
	1914	10	339	930	206	367	796
	1909	16	374	714	200	326	882
Confectionery and ice cream	1919	18	507	226	292	1,892	3,288
	1914	16	308	850	143	802	1,428
	1909	9	237	62	123	830	1,128
Ice, manufactured	1919	7	336	1,470	234	390	1,242
	1914	6	377	2,930	201	107	506
	1909	6	272	1,726	154	80	495
Lumber and timber products [1]	1919	17	1,707	6,399	1,277	3,241	6,623
	1914	17	932	4,262	537	1,577	2,961
	1909	18	1,126	3,250	563	1,504	2,830
Oil and cake, cottonseed	1919	10	946	9,690	715	17,132	21,835
	1914	11	578	4,312	231	5,408	6,522
	1909	9	419	3,962	161	3,509	4,316
Patent medicines and compounds and druggists' preparations.[2]	1919	33	451	410	$216	$2,153	$4,473
	1914	24	155	293	62	760	1,663
	1909	21	70	17	29	360	639
Printing and publishing	1919	45	609	781	704	1,392	4,034
	1914	47	506	693	466	605	2,077
	1909	44	508	618	402	505	1,769
All other industries	1919	209	6,580	15,837	6,437	49,463	71,707
	1914	178	4,663	10,029	2,818	12,536	21,471
	1909	175	4,440	10,659	2,454	9,813	16,731
NASHVILLE All industries.	1919	391	10,666	23,291	9,362	45,446	71,108
	1914	354	8,573	21,930	4,321	19,361	33,276
	1909	384	9,721	19,538	4,336	17,456	29,650
Bread and other bakery products.	1919	18	243	260	189	1,037	1,769
	1914	18	109	105	55	579	744
	1909	23	87	65	49	203	336
Carriages and wagons and materials.	1919	7	158	247	130	547	855
	1914	13	172	187	98	236	431
	1909	17	193	148	96	158	337
Clothing, men's, including shirts.	1919	6	525	143	300	1,764	2,644
	1914	6	369	123	130	387	758
	1909	5	398	127	112	522	836
Confectionery and ice cream	1919	17	229	508	140	989	1,737
	1914	21	174	277	69	417	715
	1909	11	283	131	63	315	454
Furniture	1919	9	574	986	437	683	1,512
	1914	8	290	803	155	261	580
	1909	5	476	463	204	248	673
Lumber and timber products [1]	1919	25	673	3,859	518	1,664	3,475
	1914	23	786	4,550	347	1,264	2,098
	1909	25	1,244	3,352	547	1,539	2,673
Mattresses and spring beds, not elsewhere specified.	1919	5	67	105	52	241	441
	1914	4	66	109	27	101	195
	1909	4	71	111	27	103	187
Printing and publishing [3]	1919	75	1,384	2,510	1,300	2,558	6,875
	1914	78	1,055	1,039	677	1,016	3,548
	1909	86	1,235	1,227	728	896	3,285
Saddlery and harness	1919	10	140	80	97	685	949
	1914	10	149	121	80	385	549
	1909	8	156	73	78	479	732
All other industries	1919	219	6,673	14,533	6,190	35,278	50,851
	1914	173	5,403	14,616	2,683	14,715	23,658
	1909	200	5,578	13,841	2,432	12,993	20,137
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.							
JACKSON	1919	50	1,806	5,648	$1,963	$4,587	$8,316
	1914	46	1,509	3,858	856	1,840	3,417
	1909	42	1,405	2,789	673	1,215	2,710
JOHNSON CITY	1919	36	1,061	6,177	$755	$6,017	$8,801
	1914	30	611	3,211	271	1,952	2,600

[1] Includes "lumber, planing-mill products, not including planing mills connected with sawmills"; "boxes, wooden packing, except cigar boxes"; and "window and door screens."
[2] Includes "perfumery and cosmetics."
[3] Includes "bookbinding and blank-book making" and "lithographing."

TABLE 34.—DETAILED STATEMENT OF ALL INDUSTRIES

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number 15th day of— Maximum month.	Number 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	4,589	113,300	4,892	4,834	5,961	2,446	95,167	De 103,810	Fe 88,865	(2)	(2)	(2)	(2)	(2)	*Dollars.* 410,203,443
2	Agricultural implements	14	820	11	33	32	17	727	De 826	Jy 630	809	791	18	.....	.....	2,520,435
3	Artificial stone products	13	60	13	3	2	1	41	Au 53	Fe 25	47	46	.....	1	.....	212,448
4	Automobile bodies and parts	17	547	15	19	18	9	486	Oc 631	Ja 377	561	536	25	.....	.....	843,259
5	Automobile repairing	163	894	211	38	15	27	603	Jy 684	Fe 549	641	635	5	1	.....	1,640,910
6	Awnings, tents, and sails	11	65	9	8	2	4	42	Jy 48	Ja 36	41	21	19	1	.....	212,075
7	Bags, other than paper, not including bags made in textile mills.	7	764	3	24	48	27	662	Au 735	Ap 507	701	278	423	.....	.....	4,221,131
8	Belting, leather	3	34	4	.....	1	.....	29	De [4] 33	My [4] 25	33	33	.....	.....	.....	56,467
9	Bookbinding and blank-book making	3	15	3	.....	.....	1	11	No [4] 12	Mh 8	11	7	4	.....	.....	27,447
10	Boxes, paper and other, not elsewhere specified.	8	731	4	38	37	17	635	No 765	Mh 529	693	470	220	2	1	2,520,417
11	Cartons and shipping containers	3	467	.....	21	30	9	407	No 496	Mh 338	445	357	88	.....	.....	2,095,183
12	All other	5	264	4	17	7	8	228	Se 274	Mh 191	248	113	132	2	1	425,234
13	Boxes, wooden packing, except cigar boxes.	11	795	8	36	13	8	730	Jy 824	Ap 623	807	746	59	2	.....	1,223,287
14	Bread and other bakery products	135	1,875	147	39	107	257	1,325	Se 1,466	Fe 1,140	1,444	930	503	7	4	2,538,556
15	Biscuit and crackers	3	590	.....	7	61	18	504	No 628	Fe 397	563	232	331	.....	.....	658,109
16	All other	132	1,285	147	32	46	239	821	Je 915	Fe 743	881	698	172	7	4	1,880,447
17	Brick and tile, terra-cotta, and fire-clay products.	46	1,424	39	64	41	15	1,265	Au 1,679	Fe 811	1,526	1,508	.....	18	.....	3,245,085
18	Building and fire brick	37	1,093	35	49	27	9	973	Au 1,346	Fe 553	1,199	1,188	.....	11	.....	2,521,012
19	Sewer pipe, draintile, and terra-cotta products.	9	331	4	15	14	6	292	Je 342	De 235	327	320	.....	7	.....	724,673
20	Brooms	30	98	31	2	1	2	62	Oc 72	Ja 54	73	63	9	1	.....	118,610
21	Butter	10	78	.....	18	5	5	50	Se 63	Mh 25	61	41	20	.....	.....	207,637
22	Canning and preserving, fruits and vegetables.	62	745	101	34	12	5	593	Au 1,965	Ja 23	1,615	529	1,069	4	13	764,005
23	Canned vegetables	56	614	91	31	7	4	481	Au 1,750	Ja 21	1,377	441	919	4	13	621,555
24	All other	6	131	10	3	5	1	112	My 287	Ja 2	238	88	150	.....	.....	142,450
25	Carriage and wagon materials	19	1,161	9	54	23	8	1,067	Oc 1,139	Je 1,033	1,124	1,108	16	.....	.....	2,047,566
26	Carriages and wagons, including repairs.	47	720	65	33	14	10	598	Au 661	Ja 534	616	611	5	.....	.....	1,055,713
27	Carriages and wagons	30	596	44	31	13	10	498	Au 561	My 434	510	505	5	.....	.....	1,837,197
28	Repair work only	17	124	21	2	1	.....	100	Oc 104	Fe 95	106	106	.....	.....	.....	118,516
29	Cars and general shop construction and repairs by electric-railroad companies.	5	303	.....	15	4	4	280	Jy 294	Fe 259	290	268	20	2	.....	922,603
30	Cars and general shop construction and repairs by steam-railroad companies.	20	10,837	.....	292	307	65	10,173	De 11,041	Je 8,901	11,039	10,970	69	.....	.....	14,172,907
31	Cleansing preparations	4	17	7	1	2	1	6	(5) 6	(5) 6	6	5	1	.....	.....	11,374
32	Clothing, men's	28	1,604	4	88	111	32	1,369	De 1,636	Ap 1,201	1,680	188	1,490	.....	2	3,894,190
33	Men's and youths'	10	480	2	32	43	7	405	De 473	Mh 361	485	72	413	.....	.....	1,518,960
34	All other	18	1,115	2	56	68	25	964	De 1,163	Ap 818	1,195	116	1,077	.....	2	2,375,230
35	Clothing, women's	7	261	10	24	30	9	188	No 236	Fe 143	236	13	223	.....	.....	1,552,331
36	Coffee, roasting and grinding	9	330	3	22	90	24	191	Se 211	Ja 170	190	95	95	.....	.....	1,416,450
37	Coffins, burial cases, and undertakers' goods.	9	762	35	24	59	14	630	Mh 678	Jy 581	611	566	43	2	.....	1,763,981
38	Coke, not including gas-house coke	6	290	1	10	6	1	272	Ja 362	My 165	346	346	.....	.....	.....	2,035,359
39	Confectionery and ice cream	68	2,022	58	102	315	150	1,397	Oc 1,629	Mh 1,256	1,434	814	619	1	.....	5,277,774
40	Confectionery	36	1,669	28	66	290	131	1,154	Oc 1,386	Jy 1,021	1,214	616	597	1	.....	4,233,301
41	Ice cream	32	353	30	36	25	19	243	Au 302	Fe 191	220	198	22	.....	.....	1,044,473
42	Cooperage	11	246	10	20	2	3	211	Ap 228	Au 200	216	191	25	.....	.....	1,330,965
43	Copper, tin, and sheet-iron work	59	339	74	13	8	9	235	No 256	Fe 215	251	247	.....	4	.....	332,712
44	Cordials and flavoring sirups	5	40	5	8	9	5	13	Au [4] 14	De [4] 12	12	11	1	.....	.....	134,137
45	Cotton goods	16	5,066	.....	86	60	25	4,895	De 5,219	Se 4,453	5,192	2,686	2,268	142	96	21,064,680
46	Dairymen's, poultrymen's, and apiarists' supplies.	4	22	4	2	.....	.....	16	Je 25	Oc [4] 7	20	12	8	.....	.....	35,115
47	Dental goods	3	21	5	.....	.....	.....	16	Je [4] 19	Ja 10	10	10	.....	.....	.....	8,416
48	Druggists' preparations	16	276	14	37	65	24	136	No 160	Fe 109	159	77	82	.....	.....	2,700,340
49	Dyestuffs and extracts—natural	10	1,109	.....	40	24	8	1,037	Jy 1,120	Ja 981	983	980	3	.....	.....	6,425,456
50	Electrical machinery, apparatus, and supplies.	4	63	2	6	2	1	52	Ja 64	De [4] 47	47	41	6	.....	.....	131,518
51	Ferroalloys	3	175	1	13	8	3	150	Au 180	My 104	174	174	.....	.....	.....	595,042
52	Fertilizers	10	957	2	33	86	15	821	Ap 1,334	Je 512	625	621	4	.....	.....	9,189,393
53	Flavoring extracts	9	271	1	23	58	23	166	Jy 196	Ja 131	168	46	122	.....	.....	702,341
54	Flour-mill and gristmill products	661	2,820	889	216	178	65	1,472	Oc 1,657	Je 1,297	1,575	1,566	6	3	.....	19,477,871
55	Food preparations, not elsewhere specified.	38	1,161	29	78	244	62	748	No 843	Mh 676	821	747	72	1	1	8,638,300
56	Food preparations for human consumption.	22	642	15	49	152	36	390	No 453	Fe 345	446	384	60	1	1	5,494,288
57	Prepared feed for animal and fowl consumption.	16	519	14	29	92	26	358	De 400	Mh 314	375	363	12	.....	.....	3,144,012
58	Foundry and machine-shop products.	126	5,531	106	307	283	114	4,721	De 5,415	Au 4,292	5,382	5,350	29	3	.....	15,300,192
59	Boiler shops	8	634	9	33	52	15	525	De 582	My 475	582	582	.....	.....	.....	2,013,768
60	Foundries	16	1,144	8	53	29	15	1,039	Se 1,156	Ap 896	1,177	1,151	26	.....	.....	2,882,452
61	Machine shops	88	2,932	81	147	191	67	2,446	Ja 2,913	Au 2,040	2,763	2,761	2	.....	.....	8,459,553
62	Machine shop and foundry combined.	14	821	8	74	11	17	711	De 854	My 577	860	856	1	3	.....	1,944,419
63	Furniture	50	3,815	27	158	25	83	3,522	De 3,955	Ja 2,996	3,945	3,535	387	16	7	8,297,284
64	Wood, other than rattan and willow.	45	3,647	24	145	15	81	3,382	De 3,790	Ja 2,891	3,780	3,370	387	16	7	7,582,819
65	Store and office fixtures and metal furniture.	5	168	3	13	10	2	140	De 165	Ja 105	165	165	.....	.....	.....	714,465

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919.

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.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
Dollars. 14,381,128	Dollars. 10,886,831	Dollars. 81,355,256	Dollars. 3,614,386	Dollars. 1,181,272	Dollars. 17,575,062	Dollars. 330,552,028	Dollars. 14,214,702	Dollars. 556,253,162	Dollars. 211,486,432	338,814	204,408	22,798	5,718	7,534	98,356	33,137	1
94,069	59,183	720,269	3,615	100	98,931	1,174,722	62,296	2,516,339	1,279,321	2,041	1,075	.....	6	2	958	.....	2
5,897	5,556	39,877	.....	1,762	534	60,070	2,316	168,297	105,911	164	97	.....	20	.....	47	.....	3
51,769	23,150	417,187	3,862	15,530	21,187	558,651	20,503	1,351,979	772,825	1,020	845	.....	.....	.....	175	.....	4
70,261	23,128	668,462	583	64,235	16,004	1,013,503	30,774	2,329,353	1,285,076	1,025	10	.....	218	9	788	.....	5
22,610	10,212	30,875	.....	6,225	10,161	254,242	1,672	390,251	134,337	28	.....	.....	.....	.....	28	.....	6
86,591	139,017	428,921	5,254	10,470	154,234	10,804,658	12,621	12,318,292	1,501,013	351	.....	.....	.....	.....	351	.....	7
.....	2,400	20,467	.....	270	592	37,550	1,357	79,076	40,169	28	15	.....	.....	.....	13	.....	8
.....	150	11,238	.....	1,000	.....	7,977	335	27,791	19,479	6	.....	.....	.....	.....	6	.....	9
96,646	59,610	475,164	.....	9,882	25,154	1,377,047	18,965	2,401,363	1,005,351	242	50	.....	.....	.....	192	.....	10
61,785	38,633	361,117	.....	4,500	11,305	1,002,976	12,562	1,659,783	644,245	94	.....	.....	.....	.....	94	.....	11
34,861	20,977	114,047	.....	5,382	13,849	374,071	6,403	741,580	361,106	148	50	.....	.....	.....	98	.....	12
102,669	28,007	468,164	.....	3,590	14,186	954,634	23,455	1,922,079	943,990	1,770	1,395	.....	.....	.....	375	25	13
139,108	263,626	1,008,157	.....	77,452	166,719	4,810,635	154,020	8,444,962	3,480,307	1,257	164	.....	18	2	1,073	171	14
29,012	151,952	275,549	.....	2,400	120,864	1,436,866	24,703	2,709,440	1,247,871	272	150	.....	.....	.....	122	170	15
110,096	111,674	732,608	.....	75,052	45,855	3,373,769	129,317	5,735,522	2,232,436	985	14	.....	18	2	951	1	16
125,643	67,089	983,038	12,164	1,215	88,991	365,867	516,085	2,782,669	1,900,717	4,377	3,700	13	29	.....	635	143	17
96,936	38,665	744,270	12,164	1,215	84,639	360,426	395,011	2,167,677	1,512,240	3,304	2,660	.....	29	.....	615	43	18
28,707	28,424	238,768	.....	.....	4,352	105,441	121,074	614,992	388,477	1,073	1,040	13	.....	.....	20	100	19
2,264	3,640	51,638	256	3,766	584	197,878	1,763	292,957	93,316	56	.....	.....	6	5	45	.....	20
27,201	8,988	49,269	1,080	1,459	5,092	1,885,777	5,806	1,971,699	80,116	165	56	10	.....	.....	99	300	21
65,523	10,263	177,568	1,145	991	14,112	894,129	18,121	1,513,347	601,097	1,438	1,044	.....	69	.....	325	191	22
60,223	7,993	150,097	345	891	13,408	687,194	12,099	1,177,690	478,397	1,164	989	.....	69	.....	106	191	23
5,300	2,270	27,471	800	100	704	206,935	6,022	335,657	122,700	274	55	.....	.....	.....	219	.....	24
154,064	36,906	876,327	1,491	140	116,440	2,321,633	502	4,113,257	1,791,122	4,517	4,453	45	9	.....	10	1,103	25
92,036	38,068	525,815	125	16,201	36,114	1,407,910	40,216	2,577,390	1,129,264	1,117	653	.....	97	.....	367	115	26
89,436	36,568	428,458	125	12,211	34,801	1,318,658	37,516	2,324,684	968,510	1,007	648	.....	56	.....	303	115	27
3,500	1,500	97,357	.....	3,990	1,313	89,252	2,700	252,706	160,754	110	5	.....	41	.....	64	.....	28
38,251	8,145	297,405	.....	.....	4,899	278,947	7,561	690,266	403,758	1,478	1,255	.....	.....	.....	223	90	29
810,629	417,574	14,901,103	.....	.....	28,952	10,212,234	307,508	26,678,565	16,158,823	9,027	3,415	1,267	32	.....	4,913	2,148	30
1,500	2,920	4,404	100	1,400	217	18,402	176	49,446	30,868	2	.....	.....	.....	.....	2	.....	31
262,707	323,441	705,126	.....	37,875	229,138	4,775,455	26,380	7,190,259	2,388,424	534	52	.....	10	75	397	1	32
78,004	129,737	198,938	.....	6,566	61,022	1,275,270	7,080	2,068,865	786,515	221	52	.....	.....	75	94	.....	33
184,013	193,704	506,188	.....	31,309	168,116	3,500,185	19,300	5,121,394	1,601,909	313	.....	.....	10	.....	303	1	34
51,670	79,169	95,468	34,361	4,350	7,937	911,110	2,342	1,657,510	744,058	28	.....	.....	.....	.....	28	.....	35
139,769	143,486	181,186	.....	13,934	65,059	3,768,074	15,258	4,998,340	1,215,008	471	.....	.....	.....	.....	471	.....	36
98,726	201,433	461,022	.....	3,550	130,300	1,442,364	26,043	3,084,636	1,616,229	1,289	730	.....	.....	.....	559	355	37
34,009	8,639	259,520	.....	4,719	22,166	646,027	817,612	2,016,858	553,219	2,345	2,220	125	.....	.....	.....	1,242	38
436,920	531,000	913,402	200	63,753	631,342	5,848,317	133,195	10,017,191	4,035,679	1,985	300	.....	16	.....	1,669	288	39
320,300	474,926	745,290	.....	40,845	572,346	4,621,646	73,416	7,901,632	3,206,570	649	15	.....	.....	.....	634	285	40
116,620	56,074	168,112	200	22,908	58,996	1,226,671	59,779	2,115,559	829,109	1,336	285	.....	16	.....	1,035	3	41
46,606	13,073	228,676	.....	2,318	2,006	1,107,830	1,466	1,446,166	336,870	555	500	.....	5	.....	50	275	42
18,176	12,527	224,659	360	19,114	2,400	372,081	3,904	839,270	463,285	53	.....	.....	.....	.....	53	.....	43
28,184	15,181	11,163	.....	3,933	6,405	325,219	764	520,316	194,333	9	.....	.....	.....	.....	9	.....	44
325,806	120,304	3,171,482	163,325	.....	1,639,597	13,928,887	366,468	22,460,737	8,165,382	16,093	9,721	1,025	.....	250	5,097	2,103	45
1,800	.....	14,448	.....	25	155	44,698	638	108,356	63,020	43	.....	.....	8	.....	35	.....	46
.....	.....	10,365	.....	990	10	15,692	328	42,508	26,488	2	.....	.....	.....	.....	2	.....	47
124,745	108,506	83,552	.....	1,986	47,429	1,187,640	5,129	1,893,002	700,323	54	.....	.....	.....	.....	54	.....	48
132,174	57,327	894,619	.....	.....	458,519	3,257,765	415,365	7,561,944	3,888,814	7,643	7,100	510	4	.....	29	1,497	49
18,328	3,510	44,275	.....	215	8,770	66,555	3,715	184,829	114,559	123	75	.....	.....	.....	48	.....	50
40,194	11,472	113,663	.....	897	6,991	311,918	421,700	1,297,837	564,219	2,005	2,000	.....	.....	.....	5	21	51
104,789	162,554	712,941	.....	700	187,212	3,875,261	136,296	6,841,797	2,830,240	3,646	1,320	.....	.....	.....	2,326	18	52
64,902	184,535	90,090	150	9,787	27,214	1,236,569	5,772	1,792,018	549,677	302	.....	.....	.....	.....	302	.....	53
442,705	324,988	1,281,085	52,004	12,245	333,300	44,753,314	423,033	51,912,531	6,736,184	27,533	13,563	25	3,955	6,176	3,814	292	54
290,694	455,972	611,191	2,862	21,565	437,482	31,777,813	163,393	37,579,921	5,638,715	5,527	471	90	2	.....	4,964	6	55
156,528	280,713	320,815	.....	10,925	390,576	21,200,337	87,495	24,884,538	3,596,706	1,412	80	90	.....	.....	1,242	2	56
134,166	175,259	290,376	2,862	10,640	46,906	10,577,476	75,898	12,695,383	2,042,009	4,115	391	.....	2	.....	3,722	4	57
926,638	543,861	4,936,716	5,933	38,980	615,858	8,330,434	390,226	19,633,576	10,912,916	10,101	2,840	.....	123	11	7,127	1,573	58
113,839	95,934	559,028	.....	1,440	76,124	1,432,587	27,637	2,697,834	1,237,610	1,046	720	.....	.....	.....	326	.....	59
201,954	56,633	939,259	.....	2,820	168,254	1,564,932	130,160	3,953,172	2,258,080	2,010	.....	.....	6	.....	2,004	.....	60
424,311	367,103	2,739,772	5,933	24,130	301,556	4,410,675	191,947	10,677,031	6,045,409	5,114	1,640	.....	117	11	3,346	1,538	61
186,534	24,101	698,657	.....	10,590	69,924	913,240	40,482	2,325,539	1,371,817	1,931	480	.....	.....	.....	1,451	35	62
454,642	264,712	2,408,379	9,851	43,702	242,813	4,652,005	116,647	9,793,221	5,024,569	6,243	3,308	.....	35	.....	2,900	1,029	63
405,030	234,215	2,263,500	2,025	42,622	227,975	3,915,861	108,180	8,638,842	4,614,801	5,520	3,027	.....	35	.....	2,458	1,029	64
49,612	30,497	144,879	7,826	1,080	14,838	736,144	8,467	1,154,379	409,768	723	281	.....	.....	.....	442	.....	65

[2] No figures given for reasons stated under "Explanation of terms."
[1] Same number reported for one or more other months.
[5] Same number reported throughout the year.

TABLE 34.—DETAILED STATEMENT OF ALL 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— Maximum month.		Number 15th day of— Minimum month.		Male.	Female.	Male.	Female.	
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																Dollars.
1	Gas, illuminating and heating	10	544	.....	36	34	.....	474	Se [2]	487	Fe 461	475	475	.....	.....	.....	13,546,480
2	Hand stamps	4	13	7	.....	.....	.....	6	([1])	6	([1]) 6	6	5	1	.....	.....	8,249
3	Ice, manufactured	73	1,296	43	99	73	18	1,063	Au	1,551	Ja 691	1,063	1,051	5	7	.....	5,999,180
4	Iron and steel, blast furnaces	8	966	1	29	42	10	884	Ja	1,236	Jy 759	1,008	1,004	4	.....	.....	12,135,057
5	Iron and steel, welding	8	20	10	.....	.....	.....	10	Oc [2]	12	Ap [2] 6	11	11	.....	.....	.....	27,934
6	Jewelry	5	28	7	.....	.....	.....	21	De [2]	22	Ap 19	21	20	1	.....	.....	21,008
7	Knit goods	63	10,778	3	278	100	89	10,308	De	11,014	Mh 9,545	11,016	2,849	7,616	160	391	19,446,256
8	Leather, tanned, curried, and finished	10	656	6	18	12	12	608	Au	655	Ja 563	578	564	14	.....	.....	4,891,775
9	Lime	16	564	15	15	3	4	527	Se	543	Jo 494	554	549	.....	5	.....	1,008,500
10	Liquors, malt	3	257	1	15	16	3	222	Au	271	Ja 175	182	182	.....	.....	.....	1,833,633
11	Lumber and timber products	1,450	15,699	1,929	480	343	100	12,847	De	16,590	Fe 9,967	19,278	19,113	122	43	.....	59,865,298
12	Lumber, planing-mill products, not including planing mills connected with sawmills.	109	3,178	82	188	124	47	2,737	De	3,059	Fe 2,379	3,075	2,709	349	13	4	8,706,959
13	Marble and stone work	85	997	91	54	23	10	819	Oc [2]	894	Fe [2] 685	897	893	2	2	.....	2,053,791
14	Monuments and tombstones	67	275	85	8	9	5	168	Oc	191	Ja 148	185	184	1	.....	.....	470,290
15	Other marble and stone work, except slate.	18	722	6	46	14	5	651	Au	708	Fe 533	712	709	1	2	.....	1,577,501
16	Mattresses and spring beds, not elsewhere specified.	18	525	16	45	39	15	410	De [2]	428	Mh 381	436	334	100	2	.....	1,547,705
17	Millinery and lace goods, not elsewhere specified.	5	101	1	4	8	2	86	Fe	132	Jo 58	91	6	85	.....	.....	38,195
18	Mineral and soda waters	80	711	76	76	56	24	479	Au	557	Ja 395	474	448	20	6	.....	1,493,369
19	Minerals and earths, ground	7	134	1	8	1	.....	124	De	151	No 94	157	157	.....	.....	.....	169,051
20	Mirrors, framed and unframed, not elsewhere specified.	4	83	2	7	11	10	53	No [2]	57	Fe 46	54	47	7	.....	.....	724,474
21	Models and patterns, not including paper patterns.	3	13	2	1	.....	1	9	Jy	12	Oc 3	9	9	.....	.....	.....	26,025
22	Oil and cake, cottonseed	22	2,072	1	114	133	32	1,792	Ja	2,418	Je 1,119	2,352	2,272	80	.....	.....	12,547,865
23	Optical goods	15	128	11	10	3	15	89	De	99	Fe 80	97	82	15	.....	.....	169,554
24	Paints	11	185	4	23	21	11	126	Oc	133	Mh 117	129	119	10	.....	.....	785,796
25	Patent medicines and compounds	67	1,325	47	97	240	176	765	De	826	Fe 716	854	364	486	2	2	5,167,128
26	Patent and proprietary medicines.	60	1,217	41	89	206	173	708	De	770	Ja 642	794	357	433	2	2	4,977,302
27	Patent and proprietary compounds, not elsewhere specified.	7	108	6	8	34	3	57	Mh	90	No 23	60	7	53	.....	.....	189,736
28	Paving materials	16	335	7	17	3	2	306	Oc	349	Fe 257	346	346	.....	.....	.....	599,523
29	Perfumery and cosmetics	10	145	3	13	13	13	103	Oc [2]	115	Ja 92	108	35	73	.....	.....	302,072
30	Photo-engraving	5	55	3	9	2	2	39	Se [2]	41	Ja 34	40	39	1	.....	.....	67,565
31	Printing and publishing, book and job.	146	2,242	124	128	633	80	1,277	No	1,380	Ja 1,169	1,384	979	391	10	4	3,639,428
32	Job printing	132	1,740	117	119	193	68	1,243	No	1,345	Ja 1,139	1,351	948	389	10	4	3,358,368
33	Book publishing	9	466	4	7	440	12	3	([1])	3	([1]) 3	3	2	1	.....	.....	195,059
34	Linotype work and typesetting	5	36	3	2	.....	.....	31	No [2]	32	Ja 27	30	29	1	.....	.....	86,001
35	Printing and publishing, newspapers and periodicals.	220	2,781	190	217	428	256	1,690	De	1,786	Ja 1,570	1,788	1,300	327	160	1	7,012,775
36	Printing and publishing	16	1,153	8	70	228	68	779	De	845	Ja 679	845	648	55	142	.....	2,885,032
37	Printing, publishing, and job printing.	162	1,405	166	110	138	96	895	De	925	Ap 868	927	640	269	17	1	3,992,183
38	Publishing without printing	42	223	16	37	62	92	16	([1])	16	([1]) 16	16	12	3	1	.....	735,560
39	Saddlery and harness	43	804	46	42	86	16	614	Se	636	Fe 584	634	550	64	20	.....	2,215,416
40	Sausage, not made in slaughtering and meat-packing establishments.	6	33	12	.....	.....	.....	21	Ja	30	My 14	25	25	.....	.....	.....	57,903
41	Shirts	9	453	6	12	110	5	320	Oc	360	Ap 286	339	27	312	.....	.....	412,408
42	Signs and advertising novelties	7	52	5	6	3	3	35	Mh	41	De [2] 31	31	30	1	.....	.....	57,287
43	Slaughtering and meat packing	16	430	17	33	37	12	331	De	430	Ap 279	430	328	64	38	.....	1,600,148
44	Stereotyping and electrotyping	4	32	2	4	1	1	24	No [2]	26	Fe [2] 19	32	32	.....	.....	.....	62,605
45	Stoves and hot-air furnaces	16	1,881	2	65	76	27	1,711	De	1,868	Ja 1,556	1,889	1,869	6	14	.....	3,737,599
46	Structural ironwork, not made in steel works or rolling mills.	6	342	9	18	17	2	296	Oc	323	De 271	275	275	.....	.....	.....	759,246
47	Textile machinery and parts	4	24	2	4	.....	2	16	No	19	My 12	18	18	.....	.....	.....	47,291
48	Tinware, not elsewhere specified	4	169	1	14	7	2	145	Ja	160	Ap 136	159	100	59	.....	.....	491,267
49	Tobacco, cigars	23	297	27	7	10	4	249	Au	272	Fe 225	255	97	158	.....	.....	327,659
50	Trunks and valises	7	178	5	8	33	3	129	Au	144	Se 107	134	115	19	.....	.....	400,724
51	Window and door screens	4	217	3	7	8	3	196	De	307	Je 135	310	243	67	.....	.....	1,054,056
52	Wirework, including wire rope and cable, not elsewhere specified.	8	75	10	7	1	4	53	Se	137	Fe 7	133	94	39	.....	.....	168,486
53	Wood, turned and carved	17	774	11	39	11	7	706	Ja	749	My 648	711	688	18	5	.....	1,255,616
54	Wooden goods, not elsewhere specified.	3	88	1	6	.....	2	79	Au [2]	86	Ja 71	75	60	15	.....	.....	101,068
55	Woolen goods	13	1,442	9	31	27	9	1,366	Oc	1,418	Ap 1,247	1,413	744	614	21	34	2,955,816
56	All other industries *	146	11,014	81	489	826	259	9,359	.....		.....	.....	.....	.....	.....	.....	80,228,324

*All other industries embrace—

Artificial limbs	3
Automobiles	1
Babbitt metal and solder	1
Baskets, and rattan and willow ware	1
Bluing	2
Boots and shoes	2
Brass, bronze, and copper products	2
Buttons	1
Cars, steam-railroad, not including operations of railroad companies	2
Cement	2
Charcoal, not including production in the lumber and wood distillation industries	1
Cheese	2
Chemicals	5
Chewing gum	2
Coal-tar products	2
Cordage and twine	2
Cutlery and edge tools	1
Dyeing and finishing textiles, exclusive of that done in textile mills	2
Electroplating	1
Enameling	1
Engines, steam, gas, and water	1
Engraving and diesinking	1
Engraving, steel and copper plate, including plate printing	1
Explosives	2
Fancy articles, not elsewhere specified	1
Fireworks	1
Gas and electric fixtures	2
Gas machines	1
Glass	1
Glass, cutting, staining, and ornamenting	2
Gloves and mittens, leather	1
Gloves and mittens, cloth, not including gloves made in textile mills	1
Grease and tallow, not including lubricating greases	2
Hair work	2
Hardware	1
Hardware, saddlery	2
House-furnishing goods, not elsewhere specified	2
Ink, writing	1
Iron and steel, steel works and rolling mills	1
Iron and steel, cast-iron pipe	1

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—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.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
75,946	77,783	420,788	.....	440	161,478	133,521	707,233	1,800,579	959,825	1,868	680	133	15	.....	1,040	4	1
.....	.....	6,643	.....	420	99	12,979	304	31,293	18,010	7	.....	.....	.....	.....	7	.....	2
194,783	98,067	887,257	1,247	4,677	109,353	537,912	615,746	3,774,291	2,620,633	11,087	10,650	20	24	80	313	416	3
158,760	58,023	882,634	.....	9,900	273,265	1,969,757	2,596,559	6,217,593	1,651,277	15,978	15,016	950	5	7	.....	1,570	4
.....	.....	9,353	.....	2,688	23	12,897	1,805	58,164	43,462	18	.....	.....	.....	.....	18	.....	5
.....	.....	23,575	.....	2,400	460	15,198	426	81,252	65,628	12	.....	.....	.....	.....	12	.....	6
919,986	421,377	5,553,414	942,995	34,278	1,384,133	20,082,090	263,145	32,952,349	12,607,114	7,060	3,234	.....	2	.....	3,824	357	7
64,221	41,070	489,952	.....	300	182,202	4,945,012	82,603	6,709,970	1,682,355	2,877	1,860	.....	.....	100	917	318	8
31,669	7,511	371,802	.....	636	24,548	298,099	152,410	1,099,620	649,111	1,117	993	100	24	.....	.....	.....	9
48,920	27,030	205,411	212	.....	208,159	263,478	91,125	1,180,233	825,630	1,975	1,975	.....	.....	.....	.....	795	10
1,418,178	543,527	9,781,185	1,547,049	39,984	733,388	14,052,127	210,959	38,495,831	24,232,745	61,093	58,097	704	404	457	1,431	2,908	11
511,593	202,019	2,019,502	97,100	22,233	186,092	7,456,332	75,529	12,370,082	4,838,221	11,404	7,245	315	108	30	3,706	193	12
107,481	40,838	672,084	1,192	8,295	14,151	804,910	88,970	2,223,099	1,329,219	5,020	2,995	.....	93	6	1,926	606	13
15,473	13,036	171,068	1,192	4,729	2,368	342,211	12,668	737,684	382,805	465	55	.....	85	6	319	.....	14
92,008	27,802	501,016	.....	3,566	11,783	462,699	76,302	1,485,415	946,414	4,555	2,940	.....	8	.....	1,607	606	15
170,298	111,433	316,060	7,662	18,925	77,282	1,518,690	19,985	2,808,659	1,269,984	940	150	.....	.....	.....	790	.....	16
9,236	21,520	40,777	.....	7,904	4,639	68,513	418	214,207	145,276	7	.....	.....	.....	.....	7	.....	17
178,215	102,604	318,981	105	18,427	313,779	1,763,246	38,196	3,942,445	2,141,003	1,205	85	.....	25	5	1,090	.....	18
22,380	998	80,985	.....	780	414	100,362	17,445	317,284	199,477	887	265	80	.....	.....	542	.....	19
51,087	16,883	52,861	.....	6,275	7,471	453,623	4,116	651,104	193,365	149	110	.....	.....	.....	39	75	20
2,700	540	13,642	.....	350	140	9,269	359	37,754	28,126	73	20	.....	.....	.....	53	.....	21
387,015	188,906	1,395,852	4,875	12	349,234	33,967,215	672,445	42,258,452	7,618,792	17,017	13,856	.....	11	.....	3,150	1,583	22
29,880	15,598	70,858	15	15,727	17,245	153,209	3,540	437,561	280,812	42	.....	.....	.....	.....	42	.....	23
48,276	40,494	99,830	.....	5,075	10,412	1,013,326	16,255	1,520,669	491,088	899	395	.....	.....	.....	504	.....	24
461,503	720,306	405,045	1,029	25,948	653,259	3,294,105	20,588	8,274,714	4,960,021	935	100	.....	.....	.....	835	.....	25
438,724	633,264	381,806	1,029	23,848	650,069	3,089,740	18,203	7,906,070	4,798,127	856	75	.....	.....	.....	781	.....	26
22,779	87,042	23,239	.....	2,100	3,190	204,365	2,385	368,644	161,894	79	25	.....	.....	.....	54	.....	27
37,347	7,092	234,872	1,382	9,255	7,490	293,694	50,554	874,067	529,819	1,960	925	.....	.....	.....	1,035	.....	28
28,271	33,220	60,581	.....	4,549	73,259	383,469	963	923,843	539,411	52	.....	.....	.....	.....	52	.....	29
22,108	3,366	51,191	.....	4,000	811	22,835	1,503	161,279	136,941	36	.....	.....	.....	.....	36	.....	30
399,810	395,017	1,250,758	76,611	109,140	128,469	2,079,986	89,807	5,604,176	3,434,383	2,538	1	40	4	.....	2,493	5	31
370,761	266,592	1,203,135	22,735	103,178	115,278	2,055,267	87,677	5,213,090	3,070,146	2,528	1	40	4	.....	2,483	5	32
22,475	128,425	1,328	53,876	3,173	11,989	19,906	93	294,555	274,556	1	.....	.....	.....	.....	1	.....	33
6,574	.....	46,295	.....	2,789	1,202	4,813	2,037	96,531	89,681	9	.....	.....	.....	.....	9	.....	34
514,821	741,570	1,640,673	569,116	71,858	222,498	3,216,522	85,425	10,228,670	6,926,723	2,197	100	.....	113	4	1,980	7	35
202,685	350,970	755,015	.....	24,379	148,928	2,071,681	35,932	5,648,545	3,540,932	882	35	.....	.....	.....	847	.....	36
224,617	270,756	874,711	6,619	43,201	52,289	1,076,201	47,050	3,439,814	2,315,963	1,278	65	.....	111	4	1,098	7	37
87,519	110,853	10,047	562,497	4,278	21,281	68,640	1,843	1,140,311	1,009,828	37	.....	.....	2	.....	35	.....	38
98,586	188,588	520,590	29,536	20,012	27,917	3,009,033	15,217	4,789,806	1,765,556	292	.....	.....	.....	.....	292	.....	39
.....	.....	18,680	.....	200	400	119,266	1,787	164,946	43,893	106	4	15	.....	.....	87	.....	40
82,560	22,644	125,010	1,147	7,641	30,166	797,119	3,901	1,197,368	396,348	66	.....	.....	.....	.....	66	.....	41
9,240	4,764	33,224	.....	1,045	879	28,508	816	114,213	84,889	9	.....	.....	.....	.....	9	.....	42
80,237	62,133	279,000	44	6,634	29,243	4,806,685	68,716	5,705,845	740,444	837	545	.....	.....	.....	292	12	43
7,786	6,117	33,175	3,442	3,030	927	13,028	2,204	99,802	84,570	74	.....	.....	.....	.....	74	.....	44
203,271	159,084	1,523,513	.....	15,885	76,277	1,820,617	95,596	5,136,712	3,220,499	1,051	45	.....	.....	.....	1,006	457	45
64,080	19,650	344,559	.....	1,110	91,848	903,422	20,425	1,773,408	849,561	740	165	300	.....	.....	275	1,500	46
5,280	765	15,296	25	720	518	47,920	1,873	88,112	38,319	29	.....	.....	.....	.....	29	.....	47
24,327	12,198	114,410	.....	1,500	4,900	207,803	771	494,934	286,360	61	.....	.....	.....	.....	61	.....	48
15,849	17,000	146,409	.....	7,771	68,485	256,215	1,905	589,759	331,639	13	.....	.....	.....	.....	13	.....	49
26,200	46,903	86,356	.....	3,785	12,946	220,243	3,654	470,730	246,833	176	150	.....	.....	.....	26	4	50
39,003	14,345	174,544	.....	1,616	58,200	367,684	1,965	933,022	563,373	1,026	1,000	.....	.....	.....	26	989	51
8,470	2,460	39,667	2,029	1,180	1,972	83,139	2,430	167,122	81,553	491	425	.....	22	.....	44	.....	52
128,574	22,887	495,705	7,575	1,621	22,071	1,091,374	13,586	2,260,343	1,155,383	2,010	1,913	.....	8	.....	89	30	53
11,219	870	32,439	.....	360	906	66,429	3,700	149,039	78,910	265	200	.....	.....	.....	65	70	54
100,178	65,296	803,015	.....	111,106	178,922	2,162,762	69,633	4,242,057	2,009,662	1,966	935	.....	12	75	944	.....	55
1,597,019	1,551,004	9,597,804	21,277	71,254	5,919,466	44,266,911	3,296,384	77,184,413	29,571,118	63,856	17,847	17,031	186	240	28,552	8,252	56

Iron and steel, doors and shutters	1
Labels and tags	1
Lithographing	1
Oil, essential	1
Oil, not elsewhere specified	2
Paper and wood pulp	2
Petroleum, refining	1
Phonographs and graphophones	1
Plumbers' supplies, not elsewhere specified	1
Pottery	3
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments	8
Pumps, not including power pumps	1
Pumps, steam and other power	1
Refrigerators	2
Regalia, and society badges and emblems	1
Rice, cleaning and polishing	1
Sand-lime brick	1
Saws	2
Shipbuilding, steel	1
Shipbuilding, wooden, repair work only	2
Show cases	2
Silk goods	2
Smelting and refining, copper	2
Soap	3
Stamped and enameled ware, not elsewhere specified	2
Stationery goods, not elsewhere specified	2
Steam fittings and steam and hot-water heating apparatus	1
Stencils and brands	1
Sulphuric, nitric, and mixed acids	1
Surgical appliances	2
Tobacco, chewing and smoking, and snuff	19
Tools, not elsewhere specified	1
Toys and games	1
Upholstering materials, not elsewhere specified	2
Varnishes	1
Vinegar and cider	2
Wheelbarrows	1
Window shades and fixtures	2
Wood distillation	1
Wool shoddy	1

[3] Same number reported for one or more other months.
[4] Same number reported throughout the year.

TABLE 34.—DETAILED STATEMENT OF ALL 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— Maximum month.	Number 15th day of— Minimum month.			Male.	Female.	Male.	Female.	
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
1	**CHATTANOOGA**—All industries	281	12,658	182	595	748	545	10,588	De 12,000	Ap 9,788		12,099	10,162	1,807	25	15	*Dollars.* 36,536,560
2	Automobile repairing	21	138	15	8	3	1	111	Jy 120	Ap [3] 105		115	114	1	.....	.....	293,190
3	Bread and other bakery products	19	519	15	9	23	203	269	Au 306	Fe 219		274	159	112	3	.....	348,687
4	Confectionery and ice cream	12	495	8	21	40	15	411	Se 503	Ja 343		433	208	225	.....	.....	1,085,538
5	Copper, tin, and sheet-iron work	13	82	14	4	1	1	62	Mh 68	My 56		64	62	.....	2	.....	67,628
6	Foundry and machine-shop products	25	3,114	10	157	174	63	2,710	De 3,273	Au 2,271		3,243	3,213	27	3	.....	8,888,446
7	Boiler shops and foundries	6	875	.....	37	47	12	779	De 813	Ap 709		874	849	25	.....	.....	2,436,062
8	Machine shops	15	1,790	7	72	125	41	1,545	De 1,964	Au 1,174		1,863	1,862	1	.....	.....	5,407,440
9	Machine shop and foundry combined.	4	449	3	48	2	10	386	No 499	Je 289		506	502	1	3	.....	984,044
10	Furniture	4	773	.....	41	73	41	618	No 700	Ap 550		696	694	1	1	.....	1,803,458
11	Knit goods	10	1,024	.....	17	2	6	999	No 1,083	Fe 838		1,072	255	804	1	12	1,086,266
12	Lumber, planing-mill products, not including planing mills connected with sawmills.	6	248	1	17	13	1	216	Se 274	Ja 153		253	253	.....	.....	.....	744,187
13	Marble and stone work	3	29	4	1	3	2	19	Au 24	Fe 14		13	13	.....	.....	.....	35,577
14	Mattresses and spring beds, not elsewhere specified.	3	120	2	7	9	4	98	De [3] 111	Fe 83		113	91	20	2	.....	264,580
15	Patent medicines and compounds	16	262	9	23	72	34	124	Oc 135	Jy 109		135	59	75	1	.....	888,870
16	Printing and publishing, book and job.	25	173	21	9	21	6	116	De 150	Ja 93		146	98	42	4	2	400,374
17	Stoves and hot-air furnaces	4	355	.....	18	19	11	307	De 350	Mh 280		350	344	6	.....	.....	395,150
18	Tobacco, cigars	5	13	4	1	.....	.....	8	Ja [3] 9	Au [3] 7		10	7	3	.....	.....	38,096
19	All other industries*	115	5,313	79	262	295	157	4,520	.....	.....		5,182	4,592	581	8	1	20,196,498

*All other industries embrace—
Agricultural implements 2
Automobile bodies and parts 2
Awnings, tents, and sails 3
Babbitt metal and solder 1
Bookbinding and blank-book making 1
Boots and shoes, not including rubber boots and shoes 1
Boxes, paper and other, not elsewhere specified 2
Boxes, wooden packing, except cigar boxes 1
Brass, bronze, and copper products 1
Brick and tile, terra-cotta, and fire-clay products 5
Brooms 1
Carriages and wagons, including repairs 3
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 1
Chemicals 1
Clothing, men's 4
Coffee, roasting and grinding 3
Coffins, burial cases, and undertakers' goods 1
Cordials and flavoring sirups 2
Cotton goods 1
Druggists' preparations 1
Dyestuffs and extracts—natural 2
Electrical machinery, apparatus, and supplies 1
Engraving, steel and copper plate, including plate printing 1
Fancy articles, not elsewhere specified 1
Ferroalloys 1
Flour-mill and gristmill products 4
Food preparations, not elsewhere specified 5
Gas and electric fixtures 2
Gas, illuminating and heating 1
Gas machines 1
Glass, cutting, staining, and ornamenting 1
Hand stamps 1

1	**KNOXVILLE**—All industries	194	12,564	114	490	393	183	11,384	De 12,183	My 10,722		12,247	8,692	3,435	56	64	35,575,828
2	Bread and other bakery products	5	147	2	3	2	7	133	De 166	Mh [3] 125		166	112	54	.....	.....	245,265
3	Carriages and wagons, including repairs.	4	60	6	4	1	1	48	Oc 54	Mh [3] 40		53	53	.....	.....	.....	52,372
4	Clothing, men's	5	529	.....	21	44	7	457	De 505	Mh 367		515	70	443	.....	2	1,270,248
5	Confectionery and ice cream	7	225	4	13	19	9	180	Mh 216	Au 144		190	112	78	.....	.....	845,195
6	Copper, tin, and sheet-iron work	9	56	11	2	3	4	36	Se 41	Ap [3] 27		38	38	.....	.....	.....	40,512
7	Foundry and machine-shop products.	19	844	13	48	32	16	735	Ja 1,338	Ap 569		764	764	.....	.....	.....	2,341,129
8	Furniture	6	507	2	18	16	6	465	Jy 490	Fe 426		479	444	32	3	.....	754,925
9	Ice, manufactured	5	86	1	6	5	1	73	Au [3] 99	Ja [3] 46		63	63	.....	.....	.....	379,871
10	Knit goods	5	1,863	.....	69	11	13	1,770	No 1,890	Ap 1,606		1,888	524	1,329	11	24	4,142,973
11	Lumber and timber products	4	179	4	8	6	7	154	De 196	Ja 137		196	193	3	.....	.....	1,162,364
12	Lumber, planing-mill products, not including planing mills connected with sawmills.	9	258	4	22	13	5	214	No 237	Ja 185		217	209	6	2	.....	743,068
13	Marble and stone work	11	452	5	37	12	3	395	De 427	Ja 331		432	430	.....	2	.....	959,227
14	Monuments and tombstones	4	31	5	3	1	.....	22	De 29	Jy [3] 17		29	29	.....	.....	.....	43,061
15	Other marble and stone work, except slate.	7	421	.....	34	11	3	373	De 398	Ja [3] 313		403	401	.....	2	.....	916,166
16	Printing and publishing, book and job.	14	136	9	15	7	4	101	Je 109	Jy 96		109	82	26	1	.....	197,950
17	Printing and publishing, newspapers and periodicals.	8	230	3	12	63	16	136	De [3] 130	Au 121		139	131	8	.....	.....	966,993
18	All other industries*	83	6,992	50	212	159	84	6,487	.....	.....		6,998	5,467	1,456	37	38	21,473,736

* All other industries embrace—
Artificial limbs 1
Artificial stone products 2
Automobile repairing 5
Baskets, and rattan and willow ware 1
Bluing 2
Boxes, paper and other, not elsewhere specified 1
Boxes, wooden packing, except cigar boxes 2
Brick and tile, terra-cotta and fire-clay products 1
Brooms 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 1
Chewing gum 1
Cleansing preparations 1
Coffins, burial cases, and undertakers' goods 2
Cooperage 1
Cotton goods 4
Druggists' preparations 1
Dyestuffs and extracts—natural 1
Flavoring extracts 4
Flour-mill and gristmill products 4
Gas, illuminating and heating 1
Gloves and mittens, leather 1
Iron and steel, steel works and rolling mills 1

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	Primary horsepower.						Electric horsepower generated in establishments reporting.	
Salaries and wages.			For contract work.	Rent and taxes.		For materials.					Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
Dollars. 1,797,052	*Dollars.* 1,402,944	*Dollars.* 10,147,463	*Dollars.* 97,616	*Dollars.* 146,826	*Dollars.* 1,409,959	*Dollars.* 31,376,092	*Dollars.* 1.138,620	*Dollars.* 58,021,825	*Dollars.* 25,507,113	25,561	12,026	415	8	.....	13,112	4,679	1
18,440	5,000	122,335	.....	13,025	1,428	122,509	4,274	375,867	249,084	95	.....	.....	.....	.....	95	.....	2
18,097	40,831	195,746	.....	21,715	6,008	985,084	21,160	1,618,979	612,735	95	.....	.....	.....	.....	95	.....	3
85,471	94,660	308,842	.....	11,047	255,918	1,962,337	24,120	3,050,136	1,063,679	289	.....	.....	.....	.....	289	.....	4
4,300	2,000	48,831	.....	3,335	390	77,722	401	173,915	95,792	2	.....	.....	.....	.....	2	.....	5
523,345	304,284	2,876,964	483	5,115	402,709	4,807,114	239,411	11,714,045	6,667,520	5,237	1,325	.....	.....	.....	3,912	1,493	6
182,260	100,553	741,959	.....	.....	136,633	1,624,910	97,490	3,685,970	1,903,570	1,375	75	.....	.....	.....	1,300	.....	7
242,978	240,471	1,747,723	483	5,115	208,913	2,729,105	124,734	6,804,109	3,950,270	2,874	1,250	.....	.....	.....	1,624	1,493	8
98,107	53,260	387,282	.....	.....	57,163	453,099	17,187	1,223,966	753,680	988	.....	.....	.....	.....	988	.....	9
119,464	73,729	600,346	6,826	.....	123,158	1,103,770	16,658	2,476,770	1,356,342	839	557	.....	.....	.....	282	250	10
58,765	18,988	677,011	29,990	8,553	10,811	1,082,284	21,290	2,058,268	954,694	529	100	.....	.....	.....	429	.....	11
63,780	16,268	179,164	.....	1,791	16,797	694,140	5,927	1,124,484	424,417	663	615	.....	.....	.....	48	50	12
3,600	3,147	22,454	.....	816	294	22,788	1,402	73,123	48,933	69	.....	.....	.....	.....	69	.....	13
17,370	20,500	68,377	7,587	1,715	16,182	298,558	4,134	533,032	230,340	277	150	.....	.....	.....	127	.....	14
74,252	153,297	71,483	.....	6,516	64,668	490,968	5,565	1,423,231	926,698	176	.....	.....	.....	.....	176	.....	15
25,812	17,841	132,388	5,106	10,441	6,658	165,633	4,636	503,455	333,186	104	.....	.....	.....	.....	104	.....	16
54,125	58,193	200,606	.....	3,885	19,356	360,084	17,120	975,024	597,820	171	.....	.....	.....	.....	171	.....	17
1,410	.....	6,137	.....	180	2,688	10,813	85	25,986	15,088	.....	.....	.....	.....	.....	.....	.....	18
728,821	564,206	4,636,779	47,624	58,692	482,894	19,192,288	772,437	31,895,510	11,930,785	17,015	9,279	415	8	.....	7,313	2,886	19

Hardware, saddlery..... 1
Ice, manufactured..... 2
Iron and steel, cast-iron pipe..... 1
Leather, tanned, curried, and finished. 1
Liquors, malt..... 1
Lumber and timber products..... 1
Mineral and soda waters..... 3
Minerals and earths, ground or otherwise treated..... 1
Models and patterns, not including paper patterns..... 1
Oil and cake, cottonseed..... 1
Optical goods..... 3
Paints..... 2
Perfumery and cosmetics..... 2
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments..... 1
Printing and publishing, newspapers and periodicals..... 6
Refrigerators..... 1
Regalia, and society badges and emblems..... 1
Saddlery and harness..... 2
Sausage, not made in slaughtering and meat-packing establishments..... 4
Saws..... 2
Shirts..... 1
Signs and advertising novelties..... 1
Soap..... 1
Stamped and enameled ware, not elsewhere specified..... 1
Stationery goods, not elsewhere specified..... 1
Stereotyping and electrotyping..... 2
Structural ironwork, not made in steel works or rolling mills..... 2
Textile machinery and parts..... 2
Tools, not elsewhere specified..... 1
Trunks and valises..... 1
Upholstering materials, not elsewhere specified..... 1
Wheelbarrows..... 1
Window shades and fixtures..... 1
Wirework, including wire rope and cable, not elsewhere specified..... 1
Wood, turned and carved..... 1
Wool shoddy..... 1

1,510,340	833,331	9,906,046	22,918	95,686	2,362,642	29,690,859	1,043,855	51,694,298	20,959,584	25,612	16,293	1,722	16	156	7,425	3,713	1
8,100	7 568	100,400	.....	4,356	4,193	423,199	14,085	666,364	229,080	128	14	.....	.....	.....	114	.....	2
9,834	4,800	51,093	.....	4,084	574	57,517	1,404	154,164	95,243	49	.....	.....	8	.....	41	.....	3
104,668	111,328	231,202	.....	24,225	67,870	1,898,986	8,299	2,663,402	756,117	116	.....	.....	.....	.....	116	.....	4
70,100	75 215	143,838	.....	2,350	157,029	839,036	24,231	1,614,494	751,227	632	150	.....	.....	.....	482	.....	5
3,110	3,740	41,794	.....	3,784	257	60,982	436	135,436	74,018	2	.....	.....	.....	.....	2	.....	6
140,260	70,094	708,014	.....	5,095	110,052	924,459	59,213	2,626,110	1,642,438	1,968	385	.....	.....	11	1,572	.....	7
42,714	26,021	305 565	.....	3,000	33,119	591,602	16,562	1,249,740	641,576	686	630	.....	.....	.....	56	20	8
21,050	6,124	74,313	.....	.....	6,794	51,617	50,058	287,510	185,835	843	753	.....	.....	80	10	20	9
194,942	35,698	1,062,412	.....	4,341	419,307	4,152,505	51,974	6,896,123	2,691,644	1,956	1,125	.....	.....	.....	831	20	10
61,986	14,858	127 739	5,000	.....	19,031	303 218	5,030	660,738	352,490	449	360	.....	.....	.....	89	.....	11
55,659	30,983	158,026	.....	1,740	14,008	411,208	18,408	846,498	416,882	682	205	.....	.....	.....	477	10	12
69,682	24,020	335,821	.....	565	8,541	340,751	59,294	1,057,034	656,989	2,144	1,400	.....	.....	.....	744	606	13
4,190	1,740	26,501	.....	565	212	44,232	928	94,749	49,589	58	.....	.....	.....	.....	58	.....	14
65,492	22,280	309,320	.....	.....	8,329	296,519	58,366	962,285	607,400	2,086	1,400	.....	.....	.....	686	606	15
26,580	11,409	79,093	.....	8,475	2,565	150,947	7,086	313,367	155,334	88	.....	.....	.....	.....	88	.....	16
41,160	65,770	141,132	17,622	8,742	48,675	318,705	6,339	880,125	555,081	136	35	.....	.....	.....	101	.....	17
660,480	347,812	6,339,604	296	24,929	1,470,627	19,166,127	721,436	31,643,193	11,755,630	15,733	11,236	1,722	8	65	2,702	3,037	18

Jewelry..... 1
Lime..... 2
Mattresses and spring beds, not elsewhere specified..... 1
Mineral and soda waters..... 6
Mirrors, framed and unframed, not elsewhere specified..... 2
Optical goods..... 2
Paints..... 1
Patent medicines and compounds..... 1
Paving materials..... 1
Photo-engraving..... 1
Saddlery and harness..... 2
Show cases..... 1
Signs and advertising novelties..... 4
Slaughtering and meat packing..... 2
Soap..... 1
Steam fittings and steam and hot-water heating apparatus..... 1
Stoves and hot-air furnaces..... 3
Structural ironwork, not made in steel works or rolling mills..... 1
Tinware, not elsewhere specified..... 1
Tobacco, cigars..... 3
Trunks and valises..... 2
Varnishes..... 1
Vinegar..... 1
Wooden goods, not elsewhere specified..... 1
Woolen goods..... 1

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

TABLE 34.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number 15th day of— Maximum month.	Wage earners. Number 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
																Dollars.
1	MEMPHIS—All industries	379	14,955	287	739	1,471	495	11,063	Oc 12,416	Je 11,417	12,389	10,335	2,042	8	4	67,107,494
2	Automobile repairing	17	128	18	9	1	3	97	Jy 104	Fe 90	96	94	2	.....	.....	174,210
3	Bread and other bakery products	37	665	42	14	51	23	535	Se 613	Fe 454	601	371	226	.....	4	1,110,627
4	Brooms	9	52	9	1	.....	2	40	De [3] 44	Ap 37	45	36	9	.....	.....	83,019
5	Confectionery and ice cream	18	857	12	35	207	96	507	Oc 588	Je [3] 467	488	305	183	.....	.....	2,352,080
6	Copper, tin, and sheet-iron work	13	83	16	1	3	4	59	De [3] 68	Mh [3] 49	68	68	.....	.....	.....	101,300
7	Druggists' preparations	7	140	4	20	30	14	72	De 88	Fe 52	88	34	54	.....	.....	2,267,670
8	Flour-mill and gristmill products	4	143	3	16	17	5	102	Au 120	No 93	98	98	.....	.....	.....	910,701
9	Food preparations, not elsewhere specified.	11	460	11	25	96	23	305	Au 334	Fe 276	318	291	26	1	.....	2,182,153
10	Foundry and machine-shop products.	23	454	21	31	24	10	368	Se 405	Ja 327	404	403	1	.....	.....	1,107,407
11	Ice, manufactured	7	373	1	22	11	3	336	Au 582	Ja 170	297	294	3	.....	.....	1,204,752
12	Lumber and timber products	8	1,156	4	36	37	6	1,073	No 1,137	My 984	1,133	1,133	.....	.....	.....	3,023,157
13	Lumber, planing-mill products, not including planing mills connected with sawmills.	7	466	2	38	26	9	391	Au 422	Mh 356	416	416	.....	.....	.....	1,831,083
14	Marble and stone work	5	48	7	2	1	1	37	De [3] 43	Ja [3] 31	43	43	.....	.....	.....	50,729
15	Mattresses and spring beds, not elsewhere specified.	5	269	2	21	24	7	215	No 218	Mh 206	216	167	49	.....	.....	935,095
16	Mineral and soda waters	7	152	1	20	22	4	105	Au [3] 111	Ja [3] 100	103	100	3	.....	.....	235,763
17	Oil and cake, cottonseed	10	1,062	1	58	62	15	946	Ja 1,331	Je 622	1,165	1,145	20	.....	.....	5,941,362
18	Paints	5	105	4	12	11	7	71	De [3] 72	Mh [3] 70	72	65	7	.....	.....	386,012
19	Patent medicines and compounds	22	550	19	31	85	49	366	Se 445	Fe 329	431	180	250	1	.....	2,482,906
20	Perfumery and cosmetics	4	25	3	2	3	4	13	(4) 13	(4) 13	12	5	7	.....	.....	29,284
21	Printing and publishing, book and job.	34	478	27	40	77	25	309	No 338	Mh 287	337	264	72	1	.....	705,468
22	Printing and publishing, newspapers and periodicals.	11	495	10	22	137	26	300	De 361	Ja 205	364	354	6	4	.....	1,059,136
23	Saddlery and harness	6	149	2	3	17	.....	127	Ja 145	Au 111	135	128	7	.....	.....	667,394
24	Wirework, not elsewhere specified	4	20	1	5	1	2	11	Jy 19	De [3] 7	10	10	.....	.....	.....	107,011
25	All other industries *	105	6,605	67	275	528	157	5,578	.....	.....	5,449	4,331	1,117	1	.....	38,063,275

*All other industries embrace—

Agricultural implements	1
Artificial limbs	1
Artificial stone products	2
Automobile bodies and parts	7
Automobiles	1
Awnings, tents, and sails	4
Bags, other than paper, not including bags made in textile mills	4
Belting, leather	2
Bookbinding and blank-book making	1
Boxes, paper and other, not elsewhere specified	2
Boxes, wooden packing, except cigar boxes	1
Carriage and wagon materials	1
Carriages and wagons	2
Cars and general shop construction and repairs by electric-railroad companies	1
Cars and general shop construction and repairs by steam-railroad companies	2
Cars, steam-railroad, not including operations of railroad companies	1
Chemicals	2
Cleansing preparations	2
Clothing, men's	2
Clothing, women's	1
Coffee, roasting and grinding	3
Coffins, burial cases, and undertakers' goods	1
Cooperage	3
Cordials and flavoring sirups	2
Dental goods	2
Electrical machinery, apparatus, and supplies	1
Engraving and diesinking	1
Fertilizers	1
Flavoring extracts	3

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—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.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars. 2,695,102	*Dollars.* 2,469,571	*Dollars.* 10,482,442	*Dollars.* 66,047	*Dollars.* 284,688	*Dollars.* 5,653,808	*Dollars.* 76,472,000	*Dollars.* 1,652,683	*Dollars.* 117,717,829	*Dollars.* 39,593,146	36,134	25,957	185	72	3	9,917	6,059	1
18,668	2,277	131,503	.....	15,384	2,408	319,590	5,791	610,287	284,906	146	6	.....	8	.....	132	.....	2
58,212	151,115	403,161	.....	33,549	105,226	1,880,338	68,477	3,553,277	1,604,462	624	150	.....	.....	.....	474	170	3
1,864	2,808	36,059	.....	2,200	488	141,875	648	200,900	58,377	28	.....	.....	.....	3	25	.....	4
183,262	264,262	291,673	.....	30,296	187,967	1,834,222	58,140	3,288,012	1,395,650	226	100	.....	.....	.....	126	285	5
1,045	6,319	67,654	.....	6,246	1,158	100,279	1,138	263,120	161,703	29	.....	.....	.....	.....	29	.....	6
89,900	67,334	52,813	.....	1,065	34,105	786,431	2,781	1,243,035	453,823	32	.....	.....	.....	.....	32	.....	7
34,706	26,361	81,427	.....	1,980	41,711	4,019,285	15,437	4,520,933	486,211	1,063	905	.....	.....	.....	158	.....	8
117,910	153,030	246,407	.....	12,921	56,280	9,327,522	55,998	11,567,803	2,184,283	2,305	46	90	.....	.....	2,169	2	9
100,074	58,984	437,304	.....	9,384	33,292	812,653	32,301	1,738,677	893,723	679	245	.....	15	.....	419	35	10
55,989	27,006	234,038	.....	.....	34,813	206,146	183,629	1,241,835	852,060	1,470	1,380	20	.....	.....	70	.....	11
186,005	72,136	745,643	27,139	10,062	156,474	1,591,809	25,179	3,639,471	2,022,483	3,902	3,900	.....	2	.....	.....	1,250	12
95,057	30,851	281,893	.....	3,398	69,202	1,093,120	4,559	1,831,801	734,122	1,097	880	.....	.....	.....	217	.....	13
4,184	2,319	39,698	.....	165	608	37,532	2,789	113,166	72,845	79	.....	.....	.....	.....	79	.....	14
113,038	81,411	176,048	.....	12,510	51,090	865,198	10,018	1,602,668	787,452	321	.....	.....	.....	.....	321	.....	15
48,157	51,228	54,688	.....	4,820	152,333	553,499	7,028	1,306,424	745,897	306	.....	.....	.....	.....	306	.....	16
197,431	93,209	714,877	624	12	267,314	16,745,100	386,993	21,834,810	4,702,717	9,690	9,042	.....	6	.....	642	1,161	17
29,778	24,516	60,725	.....	.....	5,569	615,690	7,147	931,554	308,717	223	195	.....	.....	.....	28	.....	18
121,567	183,171	154,544	.....	14,904	264,926	1,327,471	7,256	3,160,227	1,825,500	374	.....	.....	.....	.....	374	.....	19
4,100	5,950	8,380	.....	1,880	351	28,353	249	69,377	40,775	4	.....	.....	.....	.....	4	.....	20
105,947	84,001	313,998	20,620	37,737	40,461	392,249	51,456	1,420,539	976,834	345	.....	40	.....	.....	305	.....	21
78,448	200,231	389,839	8,134	10,850	88,620	929,175	18,864	2,613,689	1,665,650	436	.....	.....	.....	.....	436	.....	22
33,145	15,085	131,768	.....	1,780	6,345	738,698	3,532	1,081,261	339,031	51	.....	.....	.....	.....	51	.....	23
5,170	1,760	7,816	2,029	760	1,352	41,308	1,059	81,051	38,684	53	.....	.....	19	.....	34	.....	24
1,011,445	862,557	5,420,486	7,501	72,175	4,051,714	32,084,457	702,214	49,743,912	16,957,241	12,651	9,108	35	22	.....	3,486	3,156	25

Furniture..... 3
Gas, illuminating and heating..... 2
Glass, cutting, staining, and ornamenting..... 1
Grease and tallow, not including lubricating greases..... 1
Hair work..... 1
Hardware..... 1
Iron and steel, doors and shutters..... 1
Iron and steel, welding..... 2
Jewelry..... 3
Liquors, malt..... 1
Mirrors, framed and unframed, not elsewhere specified..... 1
Oil, not elsewhere specified..... 1
Optical goods..... 2
Photo-engraving..... 2
Refrigerators..... 1
Sausage, not made in slaughtering and meat-packing establishments.. 1
Shipbuilding, wooden, repair work only..... 1
Shirts..... 4
Signs and advertising novelties..... 1
Slaughtering and meat packing..... 2
Stencils and brands..... 1
Stereotyping and electrotyping..... 1
Structural ironwork, not made in steel works or rolling mills..... 1
Tobacco, cigars..... 5
Tobacco, snuff..... 2
Trunks and valises..... 1
Vinegar..... 1
Window and door screens..... 1
Window shades and fixtures..... 1
Wood distillation..... 1
Wood, turned and carved..... 1

[3] Same number reported for one or more other months.
[4] Same number reported throughout the year.

TABLE 34.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number 15th day of— Maximum month.	Wage earners. Number 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	**NASHVILLE**—All industries	391	13,648	332	693	1,477	480	10,666	No 11,563	Ja [3] 9,611	11,559	8,196	3,205	153	5	*Dollars.* 44,421,779
2	Automobile bodies and parts	5	116	8	8	4	3	93	De 172	Ja [3] 30	173	170	3	.....	.....	115,498
3	Automobile repairing	25	187	23	9	2	15	138	No 143	My [3] 135	143	143	.....	.....	.....	356,569
4	Bread and other bakery products	18	315	19	9	28	16	243	No 302	Mh 220	256	169	86	1	.....	533,510
5	Brooms	5	16	5	.....	1	.....	10	De 14	Jy 5	13	12	.....	1	.....	9,316
6	Confectionery and ice cream	17	340	18	22	44	27	229	Oc 269	Ja 182	255	138	116	1	.....	748,834
7	Confectionery	11	274	14	15	42	20	183	No 224	Ja 148	213	101	111	1	.....	574,026
8	Ice cream	6	66	4	7	2	7	46	Jy 58	Fe [3] 34	42	37	5	.....	.....	174,808
9	Copper, tin, and sheet-iron work	8	49	10	3	1	.....	35	De [3] 36	Ap 33	36	36	.....	.....	.....	42,578
10	Druggists' preparations	4	56	8	10	8	3	27	Jy [3] 32	Ap [3] 22	29	19	10	.....	.....	215,056
11	Food preparations, not elsewhere specified.	13	287	12	26	49	18	182	No 226	Je 146	201	172	29	.....	.....	1,952,678
12	Foundry and machine-shop products	17	308	20	20	17	9	242	De 255	Ap 234	247	247	.....	.....	.....	657,648
13	Foundries	3	69	3	4	2	3	57	De 61	No 51	61	61	.....	.....	.....	190,085
14	All other	14	239	17	16	15	6	185	De 194	Ja [3] 179	186	186	.....	.....	.....	467,563
15	Furniture	9	632	9	25	19	5	574	No 652	Ja 426	601	549	50	2	.....	1,003,848
16	Hand stamps	3	11	7	.....	.....	.....	4	(4) 4	(4) 4	4	4	.....	.....	.....	3,800
17	Ice, manufactured	4	236	2	9	24	2	199	Oc 216	Ja 184	213	213	.....	.....	.....	1,514,954
18	Iron and steel, welding	3	6	3	.....	.....	.....	3	(4) 3	(4) 3	3	3	.....	.....	.....	2,282
19	Lumber and timber products	8	450	15	22	18	3	392	Je 432	Fe [3] 361	411	411	.....	.....	.....	771,672
20	Lumber, planing-mill products, not including planing mills connected with sawmills.	12	319	9	28	23	5	254	Oc 303	Ja 195	295	294	.....	1	.....	800,016
21	Marble and stone work	5	45	6	3	.....	1	35	Se 45	Ja 12	40	39	1	.....	.....	76,225
22	Mattresses and spring beds, not elsewhere specified.	5	89	.....	14	5	3	67	Se 73	Mh [3] 62	70	52	18	.....	.....	226,279
23	Millinery and lace goods, not elsewhere specified.	4	94	1	3	8	2	80	Au 135	No 52	83	2	81	.....	.....	33,317
24	Mineral and soda waters	3	69	1	9	8	3	48	Je 56	Fe 38	44	39	5	.....	.....	137,163
25	Optical goods	8	39	7	2	1	2	27	De [3] 29	Fe [3] 25	29	24	5	.....	.....	66,311
26	Patent medicines	10	45	6	8	2	3	26	Fe [3] 27	Se [3] 25	27	16	9	.....	2	96,288
27	Printing and publishing, book and job.	39	1,306	29	55	524	41	657	No 689	Ja 613	686	473	210	3	.....	1,997,228
28	Job printing	32	852	28	48	111	32	633	No 665	Ja 587	662	449	210	3	.....	1,754,220
29	All other	7	454	1	7	413	9	24	Ja 26	De [3] 23	24	24	.....	.....	.....	243,008
30	Printing and publishing, newspapers and periodicals.	34	1,157	12	104	189	160	692	Mh 706	Au 683	699	377	189	133	.....	3,373,301
31	Printing, publishing, and job printing.	9	964	4	72	130	79	679	Mh 693	Ap 665	686	366	188	132	.....	2,679,408
32	Publishing without printing	25	193	8	32	59	81	13	(4) 13	(4) 13	13	11	1	1	.....	693,893
33	Saddlery and harness	10	190	11	16	20	3	140	De [3] 149	Fe 130	149	142	7	.....	.....	395,424
34	Stoves and hot-air furnaces	3	515	.....	19	13	3	480	No [3] 487	Jy [3] 474	483	478	3	2	.....	1,531,150
35	All other industries*	119	6,771	91	269	469	153	5,789	.....	.....	6,369	3,974	2,383	9	3	27,760,834

*All other industries embrace—
Artificial limbs 1
Awnings, tents, and sails 2
Bags, other than paper, not including bags made in textile mills 2
Belting, leather 1
Bookbinding and blank-book making 1
Boxes, paper and other, not elsewhere specified 2
Boxes, wooden packing, except cigar boxes 2
Brass, bronze, and copper products 1
Brick and tile, terra-cotta, and fire-clay products 3
Butter 2
Carriage and wagon materials 1
Carriages and wagons, including repairs 6
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 2
Chewing gum 1
Cleansing preparations 1
Clothing, men's 2
Clothing, women's 3
Coffee, roasting and grinding 3
Coffins, burial cases, and undertakers' goods 2
Cooperage 3
Cordials and flavoring sirups 1
Cotton goods 1
Dairymen's, poultrymen's, and apiarists' supplies 1
Dental goods 1
Electroplating 1
Enameling 1
Flavoring extracts 2
Flour-mill and gristmill products 6
Gas, illuminating and heating 2
Hair work 1

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

1	JACKSON	50	2,135	34	139	123	33	1,806	Oc 2,024	Jy 1,675	1,992	1,866	123	3	.....	6,580,640
2	JOHNSON CITY	36	1,178	20	48	35	14	1,061	De 1,285	Fe 948	1,305	906	288	5	16	4,471,597

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—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.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars. 2,128,235	*Dollars.* 2,181,108	*Dollars.* 9,362,397	*Dollars.* 734,488	*Dollars.* 295,144	*Dollars.* 2,531,745	*Dollars.* 44,605,510	*Dollars.* 840,483	*Dollars.* 71,108,252	*Dollars.* 25,662,259	23,291	9,664	323	159	1	13,144	1,219	1
12,400	7,348	67,388	3,862	3,070	5,822	77,990	2,076	204,210	124,144	37	.....	.....	.....	.....	37	.....	2
18,000	4,611	164,022	33	15,995	7,405	137,939	7,372	413,362	268,051	166	.....	.....	.....	1	165	.....	3
48,099	56,302	189,456	.....	4,043	48,926	1,015,545	21,476	1,769,140	732,119	260	.....	.....	.....	.....	260	.....	4
.....	832	5,738	.....	624	30	23,701	474	36,994	12,819	11	.....	.....	2	.....	9	.....	5
82,467	90,873	140,413	200	14,388	28,892	974,172	15,082	1,737,151	747,897	508	5	.....	4	.....	499	.....	6
52,047	73,289	130,333	.....	6,700	19,211	731,581	7,956	1,356,451	616,914	149	.....	.....	.....	.....	149	.....	7
30,420	17,584	10,080	200	7,688	9,681	242,591	7,126	380,700	130,983	359	5	.....	4	.....	350	.....	8
5,881	468	35,142	360	2,342	347	45,563	234	111,321	65,524	10	.....	.....	.....	.....	10	.....	9
26,832	9,868	17,889	.....	81	11,623	266,643	1,040	378,614	110,931	12	.....	.....	.....	.....	12	.....	10
95,175	104,786	138,472	300	4,695	62,693	8,681,810	11,698	9,526,264	832,756	592	50	.....	.....	.....	542	.....	11
43,832	20,223	254,167	5,200	6,848	41,850	537,258	12,966	1,084,951	534,727	257	40	.....	12	.....	205	41	12
9,620	4,720	58,472	.....	720	4,949	101,611	4,002	227,240	121,627	95	.....	.....	.....	.....	95	.....	13
34,212	15,503	195,695	5,200	6,128	36,901	435,647	8,964	857,711	413,100	162	40	.....	12	.....	110	41	14
88,202	50,330	430,941	.....	39,110	10,665	664,356	18,740	1,512,149	829,053	986	50	.....	.....	.....	936	.....	15
.....	.....	4,380	.....	120	75	6,700	212	19,500	12,588	3	.....	.....	.....	.....	3	.....	16
31,054	28,714	186,405	.....	.....	17,323	98,773	98,665	650,168	452,730	2,780	2,695	.....	.....	.....	85	260	17
.....	.....	1,768	.....	880	.....	1,567	883	10,420	7,970	4	.....	.....	.....	.....	4	.....	18
67,142	46,720	292,021	4,035	1,568	14,824	464,339	2,720	1,292,348	825,289	1,073	960	.....	6	.....	107	180	19
65,478	38,782	197,965	.....	9,138	20,368	1,054,420	7,058	1,973,867	912,389	2,760	975	150	.....	.....	1,635	.....	20
7,800	260	32,466	886	660	528	35,725	2,781	97,179	58,673	114	.....	.....	.....	.....	114	.....	21
36,865	8,485	51,510	.....	3,850	9,323	237,635	3,154	440,841	200,052	165	.....	.....	.....	.....	165	.....	22
8,300	21,520	38,794	.....	7,904	4,493	68,277	389	210,877	142,211	7	.....	.....	.....	.....	7	.....	23
27,000	11,237	39,945	.....	1,200	35,576	153,002	2,581	390,164	234,581	56	.....	.....	.....	.....	56	.....	24
9,840	2,704	24,399	15	7,410	2,403	39,721	1,304	109,043	68,018	15	.....	.....	.....	.....	15	.....	25
15,040	6,600	17,465	1,029	2,956	5,374	43,063	582	181,480	137,835	12	.....	.....	.....	.....	12	.....	26
224,185	275,844	634,457	34,152	45,115	76,853	1,234,110	20,418	2,997,598	1,743,070	1,896	.....	.....	.....	.....	1,896	.....	27
197,636	155,736	598,571	1,275	41,605	54,125	1,218,570	19,460	2,684,648	1,446,618	1,891	.....	.....	.....	.....	1,891	.....	28
26,549	120,108	35,836	32,887	3,510	12,728	15,540	958	312,950	296,452	5	.....	.....	.....	.....	5	.....	29
235,569	351,111	624,173	531,208	17,362	39,686	1,200,832	31,064	3,687,760	2,455,854	576	60	.....	.....	.....	516	.....	30
158,050	237,502	615,514	3,042	14,572	18,475	1,142,315	29,306	2,634,671	1,463,050	541	60	.....	.....	.....	481	.....	31
77,519	113,609	8,059	528,166	2,790	21,211	58,527	1,758	1,053,089	992,804	35	.....	.....	.....	.....	35	.....	32
33,582	51,842	97,299	111	11,453	11,241	680,859	4,270	948,872	263,743	80	.....	.....	.....	.....	80	.....	33
57,745	25,925	649,976	.....	12,000	21,689	549,810	33,046	1,966,285	1,383,429	345	.....	.....	.....	.....	345	.....	34
887,688	965,783	5,019,746	152,187	81,462	2,053,736	26,311,690	540,198	39,357,694	12,505,806	10,566	4,829	173	135	.....	5,429	738	35

House-furnishing goods, not elsewhere specified 2
Ink, writing 1
Jewelry 1
Knit goods 2
Labels and tags 1
Liquors, malt 1
Lithographing 1
Models and patterns, not including paper patterns 2
Oil, not elsewhere specified 1
Paints 2
Perfumery and cosmetics 2
Petroleum, refining 1
Phonographs and graphophones 1
Photo-engraving 2
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments 4
Shipbuilding, steel 1
Shirts 4
Show cases 1
Signs and advertising novelties 1
Slaughtering and meat packing 3
Soap 1
Stationery goods, not elsewhere specified 1
Stereotyping and electrotyping 1
Structural ironwork, not made in steel works or rolling mills 1
Surgical appliances 1
Textile machinery and parts 1
Tinware, not elsewhere specified 2
Tobacco, chewing, and snuff 4
Tobacco, cigars 8
Trunks and valises 2
Window and door screens 3
Wirework, including wire rope and cable, not elsewhere specified 1
Wood, turned and carved 2

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

318,320	166,703	1,962,746	3,280	12,618	100,401	4,424,787	162,374	8,316,139	3,728,978	5,648	4,526	.....	104	.....	1,018	68	1
156,169	63,728	754,714	364	12,711	226,677	5,729,276	287,559	8,801,085	2,784,250	6,177	4,427	165	12	7	1,566	692	2

[3] Same number reported for one or more other months.
[4] Same number reported throughout the year.

TEXAS.

GENERAL STATISTICS.

General character of the state.—Texas has a gross area of 265,896 square miles, of which 262,398 represent land surface. The inhabitants of the state in 1900 numbered 3,048,710; in 1910, 3,896,542; and in 1920, 4,663,228. Texas ranked fifth among the states in population in 1920. The number of inhabitants per square mile in 1910 was 14.8, the corresponding figure for 1920 being 17.8.

In 1920 there were 29 cities in the state having more than 10,000 inhabitants, for which separate data are presented in this report. Port Arthur, with a population of 22,251, has been excluded from all tables showing city statistics to avoid disclosing the operations of individual establishments in that city. The remaining cities, the combined population of which in that year formed 23.4 per cent of the total for Texas, reported 40.8 per cent of the state's manufactured products in 1919.

Importance and growth of manufactures (Table 1).—The large increases in salaries, wages, cost of materials, and value of products from 1914 to 1919, as presented in Table 1, are chiefly due to the changes in industrial conditions brought about by the World War and can not be used to measure the growth of manufactures between the industrial censuses 1914 and 1919. However, the increases shown in the number of persons engaged and horsepower used indicate considerable growth in the manufacturing activities of the state. The addition of the Federal income tax since 1914 will account for the large increase shown in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those for prior censuses. The statistics for this census, however, are presented separately for 158 counties. Figures for the remaining 95 counties could not be shown separately without the possibility of disclosing the operations of individual establishments but are combined under "All other counties."

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is often misleading in indicating their importance from a manufacturing standpoint. In many industries the ranking would change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described under the "Explanation of terms." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 30.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed more than 500 wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—Each of the 24 cities for which comparative figures are presented in this table shows increases in value of products between 1914 and 1919 except San Angelo. Increases in the total number of wage earners are also shown for all such cities except Austin, San Angelo, and Texarkana.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with industrial conditions existing during the census years 1919, 1914, and 1909.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, this table gives similar data for males and females for all industries combined for the state and for cities of 10,000 inhabitants or more, and also the number of females for industries in which a large number of females were employed. There were 21 industries in the state in 1919 in which the number of females predominated. Data for two such industries, "clothing, men's" and "tobacco, cigars," are shown in this table, the other industries were of minor importance.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working-day in Texas. In that year 16.5 per cent of the wage earners were included in the group "48 and under" as against 43.2 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 55.3 per cent of the total number of wage earners, as compared with 29 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 96.5 per cent were in the several classes reporting

fewer than 101 wage earners, while such establishments employed only 41.9 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 3.5 per cent of the total number of establishments, but reported 58.1 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at "$100,000 to $1,000,000" constituted one group, but at the census of 1919 this group was subdivided into "$100,000 to $500,000" and "$500,000 to $1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups for all items for 1909 and for the average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in several instances to combine the establishments of two or more groups of an industry for 1914, to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table excludes data for Beaumont, Del Rio, and Port Arthur, the presentation of which might disclose the operations of individual establishments.

Character of ownership (Table 14).—The preponderance of corporate ownership is clearly brought out in this table. Although corporations operated only 28.9 per cent of the establishments in Texas in 1919, they reported 80.6 per cent of the average number of wage earners and 88.2 per cent of the total value of products. Data for the cities of Beaumont, Brownsville, Cleburne, Corpus Christi, Del Rio, Fort Worth, and Palestine are not presented in this table to avoid the possibility of disclosing the operations of individual establishments.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in 29 cities in 1919 constituted 46.6 per cent of the total in the state. These cities reported 46.3 per cent of the average number of wage earners and 40.8 per cent of the total value of products. Statistics for Port Arthur are included with those for the state outside of cities to avoid disclosure of individual operations.

Principal industries in cities of 50,000 inhabitants or more, with per cent of total for state (Table 16).—This table includes all industries in Dallas, El Paso, Fort Worth, Houston, and San Antonio having products of $500,000 and over, the figures being given for those which can be shown without disclosing the operations of individual establishments.

It is deemed of first importance to present the statistics for the state as a whole for all industries which can be shown without disclosing the operations of individual establishments. In so doing, however, it sometimes happens that quite important industries can not be shown in the city, since to do so might disclose the operations of establishments located outside, by the simple deduction of the totals shown for the industry in the cities from that given in the detailed state table.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 107,416 horsepower, or 32 per cent. This increase, however, is chiefly due to the gain of 79,614 horsepower, or 184.1 per cent, in rented power. The owned power increased 27,802 horsepower, or 9.5 per cent, during the five-year period 1914 to 1919.

Fuel consumed (Table 18).—This table shows the quantity of the principal fuels used by manufacturing plants in the state and cities in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE.[1]			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments	5,724	5,084	4,588	3,158	3,107	12.6	10.8	45.3	1.6
Persons engaged	130,911	91,114	84,575	57,892	(2)	43.7	7.7	46.1	.....
Proprietors and firm members	5,393	4,787	4,496	3,073	(2)	12.7	6.5	46.3	.....
Salaried employees	17,996	11,474	9,849	5,753	2,861	56.8	16.5	71.2	101.1
Wage earners (average number)	107,522	74,853	70,230	49,066	38,604	43.6	6.6	43.1	27.1
Primary horsepower	443,207	335,791	282,471	164,637	116,157	32.0	18.9	71.6	41.7
Capital	$585,776,451	$283,543,820	$216,875,579	$115,664,871	$63,655,616	106.6	30.7	87.5	81.7
Salaries and wages	147,907,778	59,179,344	48,774,827	30,586,651	19,830,357	149.9	21.3	59.5	54.2
Salaries	31,503,978	14,357,967	10,867,555	6,117,709	2,918,676	119.4	32.1	77.6	109.6
Wages	116,403,800	44,821,377	37,907,272	24,468,942	16,911,681	159.7	18.2	54.9	44.7
Paid for contract work	3,067,813	1,342,170	1,324,435	1,456,004	(2)	128.6	1.3	−9.0	.....
Rent and taxes	15,912,226	3,939,184	2,618,836	[3] 1,064,791	(2)	303.9	50.4	.....	.....
Cost of materials	701,170,898	253,144,261	178,178,515	91,603,630	54,388,303	177.0	42.1	94.5	68.4
Value of products	999,995,796	361,279,303	272,895,635	150,528,389	92,894,433	176.8	32.4	81.3	62.0
Value added by manufacture[4]	298,824,898	108,135,042	94,717,120	58,924,759	38,506,130	176.3	14.2	60.7	53.0

[1] A minus sign (−) denotes decrease. [2] Figures not available. [3] Exclusive of internal revenue. [4] Value of products less cost of materials.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Wages.	Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
The state	5,724	107,522	$116,403,800	$15,912,226	$701,170,898	$999,995,796	$298,824,898	443,207
Anderson	36	1,243	1,512,969	44,407	1,400,807	3,440,825	2,040,018	2,885
Angelina	33	2,249	2,309,028	402,123	2,621,326	7,257,824	4,636,498	6,305
Armstrong	3	4	2,148	697	10,402	15,526	5,124	77
Austin	27	105	106,221	6,046	720,596	976,803	256,207	953
Bastrop	26	177	120,827	21,988	483,080	852,234	369,154	1,450
Bee	12	43	33,195	3,617	215,146	354,335	139,189	308
Bell	90	614	600,029	74,081	2,737,577	4,154,055	1,416,478	3,849
Bexar	328	6,860	5,977,625	871,704	23,142,227	37,045,244	13,903,017	16,071
Bosque	21	159	174,538	4,154	488,221	738,410	250,189	639
Bowie	47	1,068	1,112,114	229,009	3,392,192	6,158,679	2,766,487	5,856
Brazoria	22	100	85,460	4,982	493,659	779,013	285,354	287
Brazos	19	96	88,747	11,607	601,365	1,127,811	526,446	534
Brewster	8	22	11,281	1,468	22,289	54,949	32,660	205
Brown	26	283	188,974	26,333	1,347,561	1,672,403	324,842	710
Burnet	10	9	6,638	953	28,115	51,826	23,711	69
Caldwell	17	38	28,539	12,037	222,499	312,655	90,156	838
Calhoun	5	2	2,515	1,099	8,422	22,040	13,618	10
Cameron	30	174	133,880	17,642	523,388	788,541	265,153	1,411
Camp	13	125	92,254	19,351	331,422	537,584	206,162	829
Cass	30	157	145,294	2,939	74,456	409,866	335,410	879
Chambers	4	23	12,874	263	24,322	59,604	35,282	130
Cherokee	55	794	750,944	88,997	1,063,216	2,682,316	1,619,100	3,899
Clay	23	55	51,608	8,151	216,417	773,435	557,018	480
Coleman	8	21	17,790	4,425	110,686	159,181	48,495	684
Collin	42	441	377,188	105,009	5,346,759	6,865,649	1,518,890	4,425
Collingsworth	4	8	7,537	1,352	13,161	87,047	73,886	54
Colorado	24	103	111,470	6,099	479,440	1,010,099	530,659	2,217
Comal	29	331	264,987	47,323	3,971,096	4,835,478	864,382	3,159
Comanche	14	63	56,720	30,559	438,685	615,465	176,780	490
Cooke	31	275	334,531	29,064	4,184,153	5,139,867	955,714	1,023
Coryell	12	61	37,087	2,882	507,535	646,613	139,078	430
Crockett	9	21	42,565	1,797	19,319	93,615	74,296	42
Crosby	4	1	705	686	2,861	11,915	9,054	5
Culberson	4	4	3,980	969	5,793	22,656	16,863	41
Dallam	8	166	259,943	4,096	125,605	469,807	344,202	211
Dallas	492	8,708	8,752,026	3,132,609	83,488,609	116,160,150	32,671,541	33,027
Dawson	3	2	2,100	178	1,491	7,130	5,639	21
De Witt	40	348	238,471	75,089	2,354,451	2,952,465	598,014	2,461
Deaf Smith	3	3	3,910	1,317	10,833	20,824	9,991	6
Delta	10	59	39,510	7,255	726,583	836,987	110,404	763
Denton	42	233	217,675	54,088	2,282,568	3,146,795	864,227	2,376
Dimmit	5	6	3,652	748	11,679	23,174	11,495	50
Donley	5	8	8,034	1,241	10,687	25,880	15,193	48
Eastland	43	251	330,011	36,568	1,293,401	2,342,276	1,048,875	1,121
El Paso	217	4,816	4,647,254	573,372	24,505,469	34,859,347	10,353,878	23,952
Ellis	61	893	891,193	126,364	3,943,999	6,054,015	2,110,016	4,862
Erath	26	126	141,619	21,535	710,467	1,012,599	302,132	1,265
Falls	34	100	87,414	19,951	488,107	761,344	273,237	1,676
Fannin	57	413	329,434	89,987	2,645,887	3,599,791	953,904	3,429
Fayette	31	81	49,078	6,722	453,395	601,763	148,368	1,383
Floyd	5	4	4,996	396	20,535	37,960	17,425	31
Franklin	4	5	5,840	642	9,727	29,600	19,873	400
Gillespie	11	27	16,818	1,637	45,113	98,175	53,062	211
Goliad	8	7	5,811	1,224	17,985	34,811	16,826	304
Gonzales	22	206	130,888	18,829	988,659	1,293,892	305,233	1,717
Gray	3	3	1,020	236	5,126	12,650	7,524	8
Grayson	137	2,750	3,118,399	345,681	23,930,732	30,612,624	6,681,892	12,272
Gregg	35	559	537,777	40,459	1,336,264	2,391,481	1,055,217	1,987
Grimes	13	87	76,239	17,767	1,220,125	1,489,384	260,259	862
Guadalupe	19	114	72,759	14,009	907,044	1,156,274	249,230	1,743
Hale	7	22	19,772	2,749	186,457	273,556	87,099	464
Hamilton	12	44	38,789	5,500	441,631	557,679	116,048	448
Hardeman	9	254	207,662	13,936	827,869	1,627,042	799,173	1,446
Hardin	27	1,447	1,699,541	72,535	1,835,913	4,633,259	2,797,346	5,046
Harris	422	11,411	12,173,174	2,160,903	72,812,935	104,776,719	31,963,784	36,637
Harrison	42	1,767	2,180,474	76,013	4,341,402	7,103,588	2,762,186	2,085
Hays	18	46	34,787	7,042	640,628	782,998	142,370	625
Henderson	17	160	113,641	22,871	383,920	615,608	231,688	1,235
Hidalgo	23	97	73,145	8,873	152,329	383,757	231,428	456
Hill	38	411	305,169	62,847	2,562,134	3,533,061	970,927	2,909
Hopkins	19	96	59,894	14,487	547,454	790,424	242,970	641
Houston	26	204	174,583	7,791	654,797	922,746	267,949	1,642
Hunt	56	344	425,651	74,393	5,415,760	6,988,053	1,572,293	3,503
Jack	6	10	13,181	5,034	161,566	217,180	55,614	537
Jackson	8	12	8,834	1,095	29,589	71,284	41,695	245
Jasper	25	2,586	2,538,837	146,857	1,813,276	7,062,989	5,249,713	6,457
Johnson	48	1,229	1,569,497	37,527	2,448,733	4,614,680	2,165,947	2,634
Jones	14	80	82,117	8,517	427,162	621,952	194,790	598
Kaufman	29	303	290,696	29,476	2,392,057	2,952,506	560,449	3,691
Kendall	10	13	9,888	836	78,696	103,576	24,880	259

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919—Continued.

COUNTY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Wages.	Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
Kerr	8	7	$8,556	$1,779	$51,285	$83,134	$31,849	477
Kimble	3	5	4,760	165	3,002	11,396	8,394	43
Kinney	3	1	930	232	9,201	17,051	7,850	.....
Kleberg	8	499	712,794	11,092	572,427	1,364,670	792,243	904
La Salle	4	3	2,200	52	4,697	19,885	15,188	52
Lamar	66	996	754,061	160,015	4,348,130	6,691,981	2,343,851	4,051
Lampasas	10	19	14,693	1,819	89,069	146,366	57,297	320
Lavaca	26	554	755,010	20,955	796,508	1,859,632	1,063,124	1,366
Lee	12	44	31,019	3,662	586,468	716,944	130,476	545
Leon	7	2	1,150	475	3,454	11,187	7,733	120
Liberty	18	759	787,147	30,199	702,412	1,989,671	1,287,259	3,327
Limestone	20	228	95,813	14,013	931,668	1,451,299	519,631	1,936
Llano	11	34	41,780	2,345	36,324	135,577	105,253	371
Lubbock	10	97	155,267	3,602	111,268	315,798	204,530	229
McCulloch	9	28	23,748	2,788	216,521	295,757	79,236	340
McLennan	173	1,990	1,922,966	308,795	11,444,228	17,658,794	6,214,566	7,807
Madison	5	5	3,722	791	8,662	19,808	11,236	68
Marion	17	204	197,671	7,703	513,363	845,815	332,452	924
Mason	4	6	4,844	679	6,578	15,039	8,461	74
Matagorda	27	89	74,600	11,182	199,485	1,271,396	1,071,911	740
Maverick	7	33	16,915	3,028	51,137	99,323	48,186	379
Medina	14	55	33,282	1,847	58,982	119,833	60,851	722
Midland	7	17	18,265	6,111	15,398	61,600	46,202	131
Milam	25	115	99,195	9,592	1,403,702	1,762,507	358,805	955
Mills	6	5	2,835	424	7,592	16,915	9,323	18
Mitchell	4	15	13,213	1,925	73,007	103,310	30,303	414
Montague	30	80	86,337	59,002	848,734	1,137,773	289,039	920
Montgomery	24	989	862,793	93,279	640,411	2,116,556	1,467,145	4,646
Morris	10	24	17,332	1,417	8,546	63,207	54,661	195
Motley	3	1	982	427	2,202	6,110	3,908	4
Nacogdoches	36	800	636,197	80,413	614,229	1,988,156	1,373,927	2,730
Navarro	53	685	719,641	354,539	5,533,915	8,754,721	3,220,806	3,588
Newton	14	1,198	1,358,070	49,625	910,158	3,197,464	2,287,306	3,683
Nolan	18	86	111,945	10,608	243,205	448,515	205,310	743
Nueces	24	97	95,116	15,978	382,972	686,044	303,072	602
Orange	32	4,130	4,819,991	163,111	8,994,888	17,154,779	8,159,891	15,324
Palo Pinto	25	203	316,884	11,928	703,728	1,596,124	892,396	1,501
Panola	23	120	103,782	4,771	294,153	523,229	220,076	2,993
Parker	22	169	164,945	55,584	1,190,834	1,724,978	534,144	1,009
Pecos	5	14	9,620	2,119	16,806	42,216	25,410	87
Polk	13	1,345	1,262,826	136,588	1,066,221	3,531,521	2,471,300	6,239
Potter	42	496	673,075	47,858	808,161	1,896,601	1,088,440	1,612
Presidio	7	56	30,481	2,183	163,108	268,573	105,465	327
Red River	28	125	130,924	14,605	864,424	1,203,328	338,904	1,452
Reeves	9	62	88,177	3,285	70,049	186,615	115,966	286
Robertson	19	179	159,827	11,456	991,269	1,440,515	449,246	1,975
Rockwell	9	12	14,028	2,597	95,132	141,898	46,766	129
Runnels	12	53	43,118	5,752	809,236	966,572	157,336	862
Rusk	26	125	112,977	6,817	524,963	784,857	259,894	1,154
Sabine	18	1,024	977,432	129,306	819,063	2,740,770	1,921,707	3,707
San Augustine	9	214	185,861	13,298	211,294	670,707	459,413	542
San Patricio	11	67	74,224	7,390	1,076,451	1,171,450	94,999	1,018
San Saba	6	14	12,870	2,206	23,560	64,037	40,477	75
Scurry	3	3	2,500	590	6,107	13,900	7,793	12
Smith	53	832	963,540	30,367	1,456,090	3,045,661	1,588,071	2,917
Starr	6	8	4,360	226	10,040	18,960	8,920	8
Tarrant	257	9,196	10,563,246	1,747,893	121,592,805	155,299,159	33,706,354	28,974
Throckmorton	4	7	7,200	460	59,416	81,808	22,392	47
Travis	102	835	782,992	86,292	3,121,027	5,437,922	2,316,895	3,604
Trinity	17	980	1,088,885	70,782	819,486	2,974,735	2,155,249	4,475
Upshur	28	110	74,561	3,702	327,078	518,399	191,321	861
Uvalde	13	58	46,012	3,628	74,392	154,832	80,440	968
Val Verde	6	93	119,069	2,165	118,046	271,260	153,214	183
Van Zandt	19	275	303,537	15,434	728,523	1,249,871	521,348	1,707
Victoria	27	161	135,688	13,665	701,658	1,029,582	327,924	716
Walker	11	271	249,496	42,909	257,114	681,532	424,418	1,628
Waller	10	96	89,069	1,129	228,761	416,156	187,395	412
Washington	24	229	193,206	30,854	1,669,999	2,260,869	590,870	2,226
Webb	30	303	237,793	16,635	266,845	704,877	438,032	584
Wharton	29	107	85,057	13,397	1,496,505	1,752,383	255,878	1,618
Wheeler	5	14	11,024	1,712	148,144	190,507	42,363	198
Wichita	96	1,375	1,998,768	294,846	15,114,164	22,132,363	7,018,199	4,765
Wilbarger	14	92	109,745	24,641	1,673,757	2,027,228	353,471	1,187
Williamson	46	376	417,397	25,460	1,962,218	2,888,196	925,978	2,742
Wilson	13	176	149,018	4,273	383,075	673,917	290,842	887
Wise	23	114	142,207	18,330	339,163	633,044	293,881	1,285
Wood	25	108	97,690	5,574	561,049	842,638	281,589	948
Zavalla	4	2	1,160	605	4,894	9,557	4,663	48
All other counties [1]	571	17,283	22,882,164	2,130,150	192,954,020	254,676,928	61,722,908	67,353

[1] All other counties comprise: Andrews, Aransas, Archer, Atascosa, Bailey, Bandera, Baylor, Blanco, Borden, Brisco, Brooks, Burleson, Callahan, Carson, Castro, Childress, Cochran, Coke, Concho, Cottle, Crane, Dickens, Duval, Ector, Edwards, Fisher, Foard, Fort Bend, Freestone, Frio, Gaines, Galveston, Garza, Glasscock, Hall, Hansford, Hartley, Haskell, Hemphill, Hockley, Hood, Howard, Hudspeth, Hutchinson, Irion, Jeff Davis, Jefferson, Jim Hog, Jim Wells, Karnes, Kent, King, Knox, Lamb, Lipscomb, Live Oak, Loving, Lynn, McMullen, Martin, Menard, Moore, Ochiltree, Oldham, Parmer, Rains, Randell, Reagan, Real, Refugio, Roberts, San Jacinto, Schleicher, Shackelford, Shelby, Sherman, Somervell, Stephens, Sterling, Stonewall, Sutton, Swisher, Taylor, Terrell, Terry, Titus, Tom Green, Tyler, Upton, Ward, Willacy, Winkler, Yoakum, Young and Zapata.

TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Per cent distribution.	VALUE OF PRODUCTS. Amount (expressed in thousands).	VALUE OF PRODUCTS. Per cent distribution.	VALUE ADDED BY MANUFACTURE. Amount (expressed in thousands).	VALUE ADDED BY MANUFACTURE. Per cent distribution.
All industries	5,724	107,522	100.0	$999,996	100.0	$298,825	100.0
Petroleum, refining	39	8,224	7.7	241,757	24.2	48,879	16.4
Slaughtering and meat packing	19	5,072	4.7	125,192	12.5	18,440	6.2
Oil and cake, cottonseed	200	4,472	4.2	102,112	10.2	14,979	5.0
Flour-mill and gristmill products	222	1,567	1.5	73,064	7.3	9,665	3.2
Lumber and timber products	457	17,359	16.1	47,884	4.8	32,194	10.8
Cars and general shop construction and repairs by steam-railroad companies	85	16,703	16.1	41,487	4.2	27,217	9.1
Foundry and machine-shop products	181	3,855	3.6	20,524	2.1	10,527	3.5
Bread and other bakery products	610	2,752	2.6	20,154	2.0	7,454	2.5
Printing and publishing, newspapers and periodicals	765	3,127	2.9	19,999	2.0	13,877	4.7
Shipbuilding, wooden, including boat building	21	6,068	5.7	19,246	1.9	10,923	3.7
Rice, cleaning and polishing	14	423	0.4	17,901	1.8	4,091	1.4
Food preparations, not elsewhere specified	58	635	0.6	17,389	1.7	2,811	0.9
Cotton goods	15	2,633	2.4	13,920	1.4	4,605	1.5
Confectionery and ice cream	193	1,950	1.8	13,309	1.3	5,081	1.7
Printing and publishing, book and job	308	2,258	2.1	12,234	1.2	7,419	2.5
Ice, manufactured	265	2,362	2.2	9,811	1.0	6,666	2.2
Lumber, planing-mill products, not including planing mills connected with sawmills	130	1,779	1.7	9,792	1.0	4,503	1.5
Bags, other than paper, not including bags made in textile mills	6	372	0.4	7,910	0.8	883	0.3
Coffee, roasting and grinding	41	258	0.2	7,851	0.8	1,850	0.6
Saddlery and harness	68	919	0.9	7,818	0.8	2,588	0.9
Butter	31	200	0.2	7,161	0.7	1,195	0.4
Clothing, men's	32	1,606	1.5	6,568	0.7	2,853	1.0
Mineral and soda waters	258	880	0.8	6,360	0.6	3,024	1.0
Wood preserving	7	754	0.7	6,265	0.6	1,574	0.5
Automobile repairing	334	1,254	1.2	5,302	0.5	3,116	1.0
Cement	5	641	0.6	4,743	0.5	3,100	1.0
Furniture	22	710	0.7	4,394	0.4	2,115	0.7
Copper, tin, and sheet-iron work	215	740	0.7	4,207	0.4	1,976	0.7
Brick and tile, terra-cotta, and fire-clay products	58	1,603	1.6	4,167	0.4	2,833	0.9
Gas, illuminating and heating	25	643	0.6	3,614	0.4	2,027	0.7
Boxes, wooden packing, except cigar boxes	19	1,101	1.0	3,428	0.3	1,838	0.6
Turpentine and rosin	10	1,018	0.9	3,301	0.3	2,783	0.9
Structural ironwork, not made in steel works or rolling mills	14	460	0.4	3,246	0.3	1,146	0.4
Mattresses and spring beds, not elsewhere specified	86	431	0.4	2,910	0.3	1,154	0.4
Cooperage	9	276	0.3	2,205	0.2	482	0.2
Marble and stone work	126	459	0.4	2,159	0.2	1,278	0.4
Liquors, malt	6	286	0.3	2,143	0.2	1,063	0.4
Peanuts, grading, roasting, cleaning, and shelling	9	179	0.2	2,055	0.2	350	0.1
Automobile bodies and parts	72	480	0.5	1,881	0.2	1,128	0.4
Tobacco, cigars	42	1,156	1.1	1,679	0.2	860	0.3
Fertilizers	9	190	0.2	1,593	0.2	492	0.2
Coffins, burial cases, and undertakers' goods	5	294	0.3	1,470	0.1	748	0.3
Brass and bronze products	7	122	0.1	1,467	0.1	450	0.2
Patent medicines and compounds	52	177	0.2	1,455	0.1	808	0.3
Chemicals	9	150	0.1	1,304	0.1	822	0.3
Awnings, tents, and sails	13	128	0.1	1,308	0.1	369	0.1
Pickles, preserves, and sauces	18	234	0.2	1,297	0.1	558	0.2
Brooms, from broom corn	45	225	0.2	1,247	0.1	514	0.2
Wall plaster and composition flooring	3	248	0.2	1,098	0.1	801	0.3
Paints	8	52	(1)	1,019	0.1	504	0.2
Salt	3	277	0.3	1,016	0.1	536	0.2
Cars and general shop construction and repairs by electric-railroad companies	18	567	0.5	925	0.1	547	0.2
Lime	7	226	0.2	798	0.1	475	0.2
Vinegar	7	64	0.1	782	0.1	398	0.1
Druggists' preparations	9	109	0.1	771	0.1	590	0.2
Clothing, women's	10	192	0.2	703	0.1	288	0.1
Oil, not elsewhere specified	4	171	0.2	652	0.1	115	(1)
Optical goods	18	105	0.1	649	0.1	453	0.2
Canning and preserving, fruits and vegetables	9	120	0.1	617	0.1	226	0.1
Artificial stone products	23	340	0.3	573	0.1	357	0.1
Rubber tires, tubes, and rubber goods, not elsewhere specified	6	57	0.1	568	0.1	376	0.1
Trunks and valises	12	125	0.1	503	0.1	268	0.1
All other industries [2]	352	5,624	5.2	70,949	7.1	17,583	5.9

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

[2] Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are 7 having products in excess of some for which figures are shown in the table. These industries are as follows: "Automobiles"; "smelting and refining, copper"; "sugar, refining, not including beet sugar"; "cordials and flavoring sirups"; "worsted goods"; "waste"; and "tools, not elsewhere specified".

TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL. Male.	PER CENT OF TOTAL. Female.
All classes	1919	130,911	118,621	12,290	90.6	9.4
	1914	91,114	85,700	5,414	94.1	5.9
	1909	84,575	79,696	4,879	94.2	5.8
Proprietors and officials	1919	11,497	11,193	304	97.4	2.6
	1914	8,540	8,359	181	97.9	2.1
	1909	7,911	7,763	148	98.1	1.9
Proprietors and firm members	1919	5,393	5,194	199	96.3	3.7
	1914	4,787	4,638	149	96.9	3.1
	1909	4,496	4,373	123	97.3	2.7
Salaried officers of corporations	1919	1,705	1,664	41	97.6	2.4
	1914	1,124	1,109	15	98.7	1.3
	1909	940	929	11	98.8	1.2
Superintendents and managers	1919	4,399	4,335	64	98.5	1.5
	1914	2,629	2,612	17	99.4	0.6
	1909	2,475	2,461	14	99.4	0.6
Clerks and other subordinate salaried employees	1919	11,892	9,204	2,688	77.4	22.6
	1914	7,721	6,794	927	88.0	12.0
	1909	6,434	5,808	626	90.3	9.7
Wage earners (average number)	1919	107,522	98,224	9,298	91.4	8.6
	1914	74,853	70,547	4,306	94.2	5.8
	1909	70,230	66,125	4,105	94.2	5.8
16 years of age and over	1919	107,023	97,753	9,270	91.3	8.7
	1914	74,315	70,076	4,239	94.3	5.7
	1909	68,974	65,092	3,882	94.4	5.6
Under 16 years of age	1919	499	471	28	94.4	5.6
	1914	538	471	67	87.5	12.5
	1909	1,256	1,033	223	82.2	17.8

TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY	Census year.	Wage earners (average number).	PER CENT OF TOTAL. 16 years of age and over. Male.	Female.	Under 16 years of age.
All industries	1919	107,522	90.9	8.6	0.5
	1914	74,853	93.6	5.7	0.7
	1909	70,230	92.7	5.5	1.8
Automobile repairing	1919	1,254	98.6	0.5	0.9
	1914	88	97.7	2.3	.....
Boxes, wooden packing, except cigar boxes	1919	1,101	89.8	9.7	0.5
	1914	765	91.4	8.1	0.5
Bread and other bakery products	1919	2,752	74.8	24.1	1.1
	1914	1,949	80.7	17.0	2.3
Brick and tile, terra-cotta, and fire-clay products.	1919	1,663	99.5	0.4	0.1
	1914	1,765	99.0	.....	1.0
Cars and general shop construction and repairs by electric-railroad companies.	1919	567	99.8	0.2	.....
	1914	583	100.0	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1919	16,703	99.9	(1)	(1)
	1914	10,915	99.9	(1)	(1)
Cement	1919	641	100.0	.....	.....
	1914	583	100.0	.....	.....
Clothing, men's	1919	1,606	14.9	85.1	.....
	1914	1,062	7.0	93.0	.....
Confectionery and ice cream	1919	1,950	63.9	35.1	1.0
	1914	968	63.3	36.1	0.6
Copper, tin, and sheet-iron work	1919	740	97.3	0.8	1.9
	1914	728	98.4	.....	1.6
Cotton goods	1919	2,633	62.1	37.4	0.5
	1914	1,875	64.3	32.4	3.3
Flour-mill and gristmill products	1919	1,567	99.7	0.2	0.1
	1914	1,300	99.9	0.1	.....
Food preparations, not elsewhere specified	1919	635	72.8	27.1	0.2
	1914	317	78.9	20.8	0.3
Foundry and machine-shop products [2]	1919	3,940	98.7	0.5	0.8
	1914	2,681	99.3	0.3	0.4
Furniture	1919	710	93.4	6.6	.....
	1914	577	97.2	2.4	0.3
Gas, illuminating	1919	643	99.7	0.2	0.2
	1914	613	99.7	0.2	0.2
Ice, manufactured	1919	2,362	99.3	0.3	0.4
	1914	1,926	98.3	.....	1.7
Lumber and timber products	1919	17,359	99.8	0.1	0.1
	1914	17,783	99.8	.....	0.2
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	1,779	99.5	0.2	0.3
	1914	1,358	99.8	.....	0.2
Mineral and soda waters	1919	880	91.6	3.5	4.9
	1914	545	93.0	1.3	5.7
Oil and cake, cottonseed	1919	4,472	98.1	0.9	1.0
	1914	4,471	99.8	0.2	.....
Petroleum, refining [3]	1919	8,224	96.8	3.2	.....
Printing and publishing, book and job	1919	2,258	74.4	24.4	1.2
	1914	1,805	80.6	17.2	2.2
Printing and publishing, newspapers and periodicals.	1919	3,127	84.8	10.6	4.6
	1914	2,830	87.8	7.7	4.5
Saddlery and harness	1919	919	92.9	7.1	.....
	1914	567	97.2	2.5	0.4
Shipbuilding, wooden, including boat building.	1919	6,068	99.5	0.3	0.2
	1914	108	98.8	.....	1.2
Slaughtering and meat packing	1919	5,072	89.0	11.0	.....
	1914	3,486	91.9	7.9	0.2
Tobacco, cigars	1919	1,156	13.2	86.8	.....
	1914	344	56.4	43.0	0.6
Turpentine and rosin	1919	1,018	97.7	.....	2.3
	1914	809	96.8	.....	3.2
Wood preserving	1919	754	98.0	1.9	0.1
	1914	350	100.0	.....	.....
All other industries	1919	12,969	82.1	17.5	0.3
	1914	11,642	92.4	7.1	0.5

[1] Less than one-tenth of 1 per cent. [2] Includes "iron and steel, welding." [3] Not shown separately in 1914.

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.[1]

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES. Total. 1919	1914	1909	16 years of age and over. Male. 1919	1914	1909	Female. 1919	1914	1909	Under 16 years. 1919	1914	1909	VALUE OF PRODUCTS. 1919	1914	1909
Abilene	130	107	.....	95	94	.....	26	13	.....	9	.....	.....	$765,834	$311,340	.....
Amarillo	496	311	.....	449	297	.....	45	14	.....	2	.....	.....	1,896,601	986,087	.....
Austin	745	891	754	649	830	683	93	57	66	3	4	5	4,996,021	3,370,074	$2,845,500
Beaumont	1,585	1,073	863	1,533	1,053	832	51	12	20	1	8	11	14,921,082	5,191,055	4,830,591
Brownsville	119	76	51	114	71	47	3	1	4	2	4	.....	504,754	167,136	120,746
Cleburne	1,127	886	825	1,006	855	820	107	30	1	14	1	4	3,334,989	2,246,263	1,576,572
Corpus Christi	94	.....	.....	83	.....	.....	3	.....	.....	8	.....	.....	647,049	.....	.....
Corsicana	599	.....	.....	512	.....	.....	85	.....	.....	2	.....	.....	8,001,243	.....	.....
Dallas	7,913	5,284	4,882	5,926	4,251	3,889	1,914	981	870	73	52	123	93,649,654	31,065,073	26,958,664
Del Rio	93	.....	.....	91	.....	.....	1	.....	.....	1	.....	.....	271,260	.....	.....
Denison	1,084	954	833	1,055	908	795	29	36	37	.....	10	1	5,077,916	2,068,788	1,313,785
El Paso	3,912	2,347	1,752	3,619	2,255	1,556	258	83	143	35	9	53	16,649,982	6,135,214	3,637,577
Fort Worth	4,452	2,308	2,059	3,666	1,945	1,672	723	349	361	63	14	26	38,160,092	6,973,882	8,660,882
Galveston	1,416	1,410	1,094	1,233	1,264	940	182	133	124	1	13	30	14,979,034	8,091,969	6,308,076
Greenville	163	.....	.....	158	.....	.....	5	.....	.....	.....	.....	.....	4,152,300	.....	.....
Houston	9,860	5,607	5,338	8,781	5,168	4,826	1,051	418	450	28	21	62	86,874,480	25,868,010	23,015,556
Laredo	303	270	213	260	270	202	40	.....	8	3	.....	3	704,877	344,811	221,074
Marshall	1,670	1,166	977	1,651	1,159	958	15	6	7	4	1	12	6,904,078	2,096,355	1,787,146
Palestine	1,084	648	745	1,076	635	737	2	6	7	6	7	1	2,809,713	1,222,160	1,312,845
Paris	939	513	541	806	443	478	122	68	53	11	2	10	6,079,514	2,283,875	1,429,943
Ranger	170	.....	.....	160	.....	.....	4	.....	.....	6	.....	.....	1,357,517	.....	.....
San Angelo	144	161	115	130	153	112	.....	6	3	14	2	.....	453,621	499,148	317,861
San Antonio	6,614	4,083	3,105	4,959	3,528	2,602	1,645	541	481	10	14	22	35,455,578	17,849,240	13,434,897
Sherman	871	389	273	633	327	232	235	55	39	3	7	2	19,175,558	7,027,747	4,676,071
Temple	412	342	366	378	318	333	33	24	26	1	.....	7	2,839,366	1,451,025	1,345,770
Texarkana	802	955	.....	752	921	.....	47	20	.....	3	14	.....	4,474,319	1,994,009	.....
Tyler	732	506	484	670	434	442	61	62	40	1	10	2	2,615,694	896,549	996,243
Waco	1,362	1,125	1,033	1,156	977	826	201	138	143	5	10	64	13,085,252	5,611,737	4,769,358
Wichita Falls	932	377	.....	893	361	.....	37	3	.....	2	13	.....	16,832,420	2,572,785	.....

[1] Excludes Port Arthur to avoid disclosure of individual operations.

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER.[1]			PER CENT OF MAXIMUM.			MONTH.	NUMBER.[1]			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January	104,867	76,993	68,563	91.7	100.0	90.6	July	107,288	75,779	69,153	93.8	98.4	91.4
February	103,446	75,559	66,485	90.4	98.1	87.9	August	110,155	76,587	69,192	96.3	99.5	91.5
March	102,837	74,217	68,082	89.9	96.4	90.0	September	111,299	76,983	73,196	97.3	100.0	96.8
April	*101,390*	73,261	67,772	88.6	95.2	89.6	October	112,746	75,588	75,291	98.5	98.2	99.5
May	104,578	*72,219*	*66,079*	91.4	93.8	87.4	November	113,218	73,654	75,648	99.0	95.7	100.0
June	104,024	73,078	68,037	90.9	94.9	89.9	December	114,416	74,318	75,258	100.0	96.5	99.5

[1] The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by **bold-faced** figures, minimum by *italic* figures.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by **bold-faced** figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	107,522	104,867	103,446	102,837	*101,390*	104,578	104,024	107,288	110,155	111,299	112,746	113,218	114,416	88.6
Males	98,224	95,390	94,731	94,245	*92,853*	95,760	94,977	98,351	100,687	101,696	102,849	103,066	104,083	89.2
Females	9,298	9,477	8,715	8,592	*8,537*	8,818	9,047	8,937	9,468	9,603	9,897	10,152	10,333	82.6
Automobile repairing	1,254	*1,133*	1,146	1,155	1,189	1,222	1,263	1,284	1,307	1,337	1,340	1,339	1,333	84.6
Boxes, wooden packing, except cigar boxes	1,101	*995*	1,017	1,072	1,123	1,185	1,158	1,072	1,189	1,104	1,096	1,127	1,074	83.7
Bread and other bakery products	2,752	2,645	*2,621*	2,540	2,558	2,665	2,684	2,649	2,813	2,836	2,962	2,991	3,110	81.1
Brick and tile, terra-cotta, and fire-clay products	1,603	*1,079*	1,197	1,354	1,627	1,795	1,831	1,880	2,059	1,847	1,747	1,794	1,746	52.4
Cars and general shop construction and repairs by electric-railroad companies	567	576	555	*550*	561	562	559	557	568	572	573	573	598	92.0
Cars and general shop construction and repairs by steam-railroad companies	16,703	*15,869*	16,092	16,151	16,568	16,440	16,359	16,719	16,900	17,053	17,312	17,351	17,622	90.1
Cement	641	607	*562*	619	676	616	600	638	649	676	677	688	684	81.7
Clothing, men's	1,606	1,633	1,550	*1,452*	1,488	1,512	1,535	1,598	1,642	1,660	1,703	1,743	1,756	82.7
Confectionery and ice cream	1,950	*1,746*	1,766	1,880	1,924	1,929	1,984	1,955	2,068	2,182	2,078	2,033	1,875	80.8
Copper, tin and sheet-iron work	740	*652*	658	684	700	735	733	760	792	788	793	808	777	80.7
Cotton goods	2,633	2,812	2,673	2,620	2,564	2,613	2,605	2,618	2,688	2,669	*2,538*	2,576	2,620	90.3
Flour-mill and gristmill products	1,567	1,489	1,473	1,428	1,418	1,438	*1,394*	1,573	1,677	1,703	1,711	1,709	1,791	77.8
Food preparations, not elsewhere specified	635	*594*	607	609	628	661	676	645	634	608	597	668	693	85.7
Foundry and machine-shop products	3,855	*3,637*	3,693	3,763	3,748	3,742	3,790	3,772	3,830	3,856	4,003	4,133	4,293	84.7
Furniture	710	*663*	724	718	699	680	706	722	754	703	696	724	731	87.9
Gas, illuminating and heating	643	640	637	621	633	603	*597*	622	625	668	692	685	693	86.1
Ice, manufactured	2,362	*1,527*	1,556	1,768	2,155	2,553	2,935	3,256	3,305	3,034	2,457	2,001	1,797	46.2
Lumber and timber products	17,359	*15,285*	15,344	15,916	15,585	16,626	16,428	17,947	18,567	18,511	18,970	19,106	20,023	76.3
Lumber, planing-mill products, not including planing mills connected with sawmills	1,779	1,562	*1,524*	1,584	1,637	1,688	1,765	1,833	1,903	2,009	2,030	1,903	1,910	75.1
Mineral and soda waters	880	*567*	590	633	779	878	1,120	1,182	1,194	1,128	929	799	761	47.5
Oil and cake, cottonseed	4,472	5,570	4,983	4,182	3,007	2,577	*2,264*	2,404	3,108	5,480	6,846	6,897	6,346	32.8
Petroleum, refining	8,224	*6,724*	7,323	7,648	7,553	8,100	7,867	8,511	8,870	8,854	8,940	9,018	9,280	72.5
Printing and publishing, book and job	2,258	*2,129*	2,159	2,167	2,194	2,199	2,199	2,274	2,306	2,264	2,434	2,380	2,391	87.5
Printing and publishing, newspapers and periodicals	3,127	*2,983*	3,004	2,995	3,002	3,016	3,107	3,169	3,201	3,138	3,258	3,356	3,295	88.9
Saddlery and harness	919	*873*	908	923	894	935	913	899	934	930	940	943	936	92.6
Shipbuilding, wooden, including boat building	6,068	9,238	9,649	8,473	6,568	6,424	5,944	5,482	5,075	4,473	3,838	3,965	*3,687*	38.2
Slaughtering and meat packing	5,072	6,645	4,825	*4,460*	4,531	4,944	4,807	5,331	5,424	4,964	4,769	4,918	5,186	67.1
Tobacco, cigars	1,156	*949*	1,013	1,050	1,046	1,099	1,090	1,103	1,104	1,133	1,277	1,466	1,542	61.5
Turpentine and rosin	1,018	1,263	1,232	1,269	1,280	1,244	1,252	785	*779*	775	777	773	787	60.4
Wood preserving	754	670	632	*560*	591	618	660	747	827	834	925	944	1,040	53.8
All other industries	13,054	12,112	*11,888*	11,993	12,404	13,279	13,139	13,301	13,363	13,480	13,838	13,807	14,039	84.3
Industries showing large proportion of females.														
Bread and other bakery products	668	669	*568*	624	608	604	668	583	668	685	749	751	839	67.7
Clothing, men's	1,367	1,319	1,283	*1,208*	1,223	1,235	1,271	1,402	1,439	1,462	1,494	1,531	1,537	78.6
Confectionery and ice cream	686	674	681	708	654	605	613	*576*	679	760	758	807	717	71.4
Cotton goods	997	1,049	1,019	998	990	994	1,001	974	1,018	1,021	*939*	978	983	89.5
Petroleum, refining	264	*230*	240	233	242	244	275	298	310	305	273	277	241	74.2
Printing and publishing, book and job	555	520	525	517	*512*	525	535	574	586	572	637	581	576	80.4
Printing and publishing, newspapers and periodicals	337	320	*311*	*311*	322	326	330	345	344	349	350	373	363	83.4
Slaughtering and meat packing	558	1,230	483	401	*400*	443	434	474	547	475	566	574	669	32.5
Tobacco, cigars	1,003	*807*	858	900	899	948	947	964	959	988	1,120	1,286	1,360	59.3
Total for cities[1]	49,823	*47,781*	47,791	47,913	48,172	48,702	49,004	49,392	50,427	51,327	52,021	52,479	52,867	90.4
Males	42,794	41,185	*41,144*	41,387	41,645	42,042	42,133	42,628	43,370	44,069	44,432	44,600	44,893	91.6
Females	7,029	6,596	6,647	*6,526*	6,527	6,660	6,871	6,764	7,057	7,258	7,589	7,879	7,974	81.8
ABILENE	130	126	125	*119*	120	131	133	135	138	136	137	131	129	86.2
Males	104	98	99	*96*	*96*	106	104	109	111	109	108	105	107	86.5
Females	26	28	26	23	24	25	29	26	27	27	29	26	*22*	75.9
AMARILLO	496	*442*	469	474	479	481	496	495	525	516	515	525	535	82.6
Males	450	*398*	424	427	435	445	462	462	479	473	464	461	470	83.1
Females	46	44	45	47	44	36	34	*33*	46	43	51	64	65	50.8
AUSTIN	745	732	*687*	716	688	693	705	737	751	827	859	775	770	80.0
Males	652	641	*602*	641	615	613	611	638	650	728	754	671	660	79.8
Females	93	91	85	75	*73*	80	94	99	101	99	105	104	110	66.4
BEAUMONT	1,585	1,812	1,762	1,622	1,533	1,489	1,477	1,528	1,507	*1,372*	1,555	1,663	1,700	75.7
Males	1,534	1,757	1,711	1,575	1,471	1,437	1,425	1,489	1,471	*1,332*	1,510	1,595	1,635	75.8
Females	51	55	51	47	62	52	52	39	*36*	40	45	68	65	52.9

[1] Excludes Port Arthur to avoid disclosure of individual operations.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

[The month of maximum employment for each industry is indicated by **bold-faced** figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
BROWNSVILLE	119	*102*	*102*	107	116	116	119	123	137	138	138	115	115	73.9
Males	116	*99*	*99*	104	113	113	116	120	134	135	135	112	112	73.3
Females	3	3	3	3	3	3	3	3	3	3	3	3	3	.....
CLEBURNE	1,127	1,022	1,028	*1,001*	1,028	1,136	1,082	1,150	1,218	1,198	1,246	1,182	1,233	74.4
Males	1,020	915	921	*894*	921	1,029	975	1,043	1,111	1,091	1,139	1,075	1,126	78.5
Females	107	107	107	107	107	107	107	107	107	107	107	107	107	.....
CORPUS CHRISTI	94	104	72	*71*	83	84	92	93	97	119	118	113	82	59.7
Males	91	101	69	*68*	80	81	89	90	94	116	115	110	79	58.6
Females	3	3	3	3	3	3	3	3	3	3	3	3	3	.....
CORSICANA	599	604	545	*519*	566	558	577	576	630	692	688	636	597	75.0
Males	514	499	457	*438*	488	482	496	492	540	608	602	553	513	72.0
Females	85	105	88	81	78	*76*	81	84	90	84	86	83	84	72.4
DALLAS	7,913	*7,579*	7,670	7,747	7,766	7,862	7,793	7,768	8,040	8,127	8,156	8,316	8,332	88.6
Males	5,999	*5,502*	5,711	5,876	5,880	6,008	5,903	5,999	6,132	6,150	6,227	6,314	6,286	87.1
Females	1,914	1,877	1,959	1,871	1,886	1,854	1,890	*1,769*	1,908	1,977	1,929	2,002	2,046	86.5
DEL RIO	93	97	*89*	91	95	91	94	*89*	92	*89*	91	96	102	87.3
Males	92	96	*88*	90	94	90	93	*88*	91	*88*	90	95	101	87.1
Females	1	1	1	1	1	1	1	1	1	1	1	1	1	.....
DENISON	1,084	1,077	*1,029*	1,030	1,050	1,064	1,087	1,107	1,098	1,090	1,082	1,166	1,128	88.3
Males	1,055	1,048	*997*	1,013	1,008	1,043	1,060	1,098	1,088	1,075	1,054	1,109	1,067	89.9
Females	29	29	32	17	42	21	27	*9*	10	15	28	57	61	14.8
EL PASO	3,912	*3,489*	3,600	3,625	3,721	3,986	3,831	3,862	3,883	4,067	4,166	4,352	4,422	77.5
Males	3,652	*3,203*	3,359	3,392	3,483	3,745	3,602	3,638	3,654	3,810	3,875	3,999	4,064	78.8
Females	260	226	241	233	238	241	229	*224*	229	257	291	353	358	62.6
FORT WORTH	4,452	4,306	4,187	*4,168*	4,237	4,286	4,358	4,384	4,552	4,659	4,746	4,817	4,724	86.5
Males	3,729	3,598	*3,506*	3,517	3,566	3,655	3,730	3,672	3,761	3,873	3,926	3,988	3,956	87.9
Females	723	708	681	651	671	631	*628*	712	791	786	820	829	768	75.8
GALVESTON	1,416	1,311	1,302	*1,284*	1,285	1,297	1,302	1,406	1,422	1,426	1,594	1,504	1,859	69.1
Males	1,234	1,134	1,128	1,131	1,126	1,130	*1,111*	1,196	1,242	1,244	1,401	1,302	1,663	66.8
Females	182	177	174	*153*	159	167	191	210	180	182	193	202	196	72.9
GREENVILLE	163	185	183	129	129	*119*	128	145	150	157	209	201	221	53.8
Males	158	182	180	126	126	*116*	125	142	147	154	198	190	210	55.2
Females	5	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	11	11	11	27.3
HOUSTON	9,860	9,944	9,844	10,171	9,834	9,992	9,973	*9,631*	9,660	9,831	9,854	9,781	9,805	94.7
Males	8,804	8,923	8,885	9,219	8,885	8,941	8,846	*8,610*	8,619	8,720	8,660	8,685	8,655	93.4
Females	1,056	1,021	959	952	*949*	1,051	1,127	1,021	1,041	1,111	1,194	1,096	1,150	79.5
LAREDO	303	282	*276*	290	317	313	311	309	312	316	315	297	298	87.1
Males	263	237	*231*	242	270	271	271	272	273	278	272	269	270	83.1
Females	40	45	45	48	47	42	40	37	39	38	43	*28*	*28*	58.3
MARSHALL	1,670	1,628	1,640	1,672	1,917	1,643	1,729	1,747	1,666	1,637	1,601	1,587	*1,573*	82.1
Males	1,655	1,618	1,635	1,657	1,897	1,623	1,709	1,728	1,647	1,621	1,589	1,575	*1,561*	82.3
Females	15	10	*5*	15	20	20	20	19	19	16	12	12	12	25.0
PALESTINE	1,084	*1,034*	1,038	1,064	1,064	1,068	1,075	1,092	1,106	1,118	1,110	1,115	1,124	92.0
Males	1,082	*1,032*	1,036	1,062	1,062	1,066	1,073	1,090	1,104	1,116	1,108	1,113	1,122	92.0
Females	2	2	2	2	2	2	2	2	2	2	2	2	2	.....
PARIS	939	955	924	898	874	*848*	878	913	944	1,051	1,020	992	962	80.7
Males	816	823	790	778	762	*747*	772	801	828	920	901	846	824	81.2
Females	123	132	134	120	112	*101*	106	112	116	131	128	146	138	69.2
RANGER	170	108	*89*	108	138	159	199	196	192	196	226	210	219	39.4
Males	166	108	*89*	106	134	150	190	193	189	193	221	205	214	40.3
Females	4	.....	.....	*2*	4	9	9	3	3	3	5	5	5	22.2
SAN ANGELO	144	142	142	139	*138*	138	143	148	154	158	149	148	135	83.5
Males	144	142	142	139	*138*	138	143	148	154	158	149	148	135	83.5
SAN ANTONIO	6,614	*6,063*	6,120	6,241	6,331	6,352	6,577	6,710	6,866	6,817	6,926	7,164	7,201	84.2
Males	4,969	4,740	*4,725*	4,745	4,854	4,803	4,970	5,053	5,191	5,153	5,085	5,157	5,152	91.6
Females	1,645	*1,323*	1,395	1,496	1,477	1,549	1,607	1,657	1,675	1,664	1,841	2,007	2,049	64.6
SHERMAN	871	865	837	727	*714*	823	813	850	836	1,036	970	1,026	946	68.9
Males	634	615	582	*500*	528	589	583	632	613	777	713	756	720	64.4
Females	237	250	255	227	*186*	234	230	218	223	259	266	270	226	68.9
TEMPLE	412	416	389	340	*338*	347	347	358	394	453	497	536	529	63.1
Males	379	384	357	308	*306*	315	315	324	360	419	463	502	495	61.0
Females	33	*32*	*32*	*32*	*32*	*32*	*32*	34	34	34	34	34	34	94.1
TEXARKANA	802	790	784	786	812	823	807	797	853	813	774	784	801	90.7
Males	755	741	*728*	731	765	782	765	755	807	761	*728*	742	755	90.2
Females	47	49	56	55	47	*41*	42	42	46	52	46	42	46	73.2
TYLER	732	736	735	740	731	*696*	718	736	762	706	757	717	750	91.3
Males	671	665	671	680	675	*639*	660	675	690	651	706	666	674	90.5
Females	61	71	64	60	56	57	58	61	72	55	*51*	*51*	76	67.1
WACO	1,362	1,266	1,318	*1,226*	1,242	1,270	1,282	1,362	1,449	1,512	1,470	1,471	1,476	81.1
Males	1,161	1,093	1,147	*1,053*	1,072	1,084	1,093	1,162	1,238	1,288	1,249	1,242	1,211	81.8
Females	201	173	171	173	*170*	186	189	200	211	224	221	229	265	64.2
WICHITA FALLS	932	824	*805*	808	832	837	878	945	993	1,070	1,034	1,059	1,099	73.2
Males	895	793	*775*	779	801	801	841	900	952	1,028	990	1,015	1,056	73.4
Females	37	31	30	*29*	31	36	37	36	41	42	44	44	43	65.9

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries	1919	107,522	3,705	958	41,736	5,453	13,336	11,154	23,514	7,666
	1914	74,853	(2)	(2)	12,374	1,684	16,633	2,765	28,679	12,718
	1909	70,230	(2)	(2)	6,575	1,856	12,945	2,981	30,583	15,290
Automobile repairing	1919	1,254	4	4	265	63	746	.....	147	25
	1914	88	(2)	(2)	17	.....	58	.....	13	.....
Boxes, wooden packing, except cigar boxes	1919	1,101	.....	.....	1	2	267	200	631	.....
	1914	765	.....	.....	.....	22	64	21	658	.....
Bread and other bakery products	1919	2,752	27	326	851	71	1,006	60	320	91
	1914	1,949	(2)	(2)	179	21	422	94	1,030	203
Brick and tile, terra-cotta, and fire-clay products	1919	1,663	8	.....	355	39	197	137	927	.....
	1914	1,765	(2)	(2)	138	27	166	40	1,394	.....
Cars and general shop construction and repairs by electric-railroad companies.	1919	567	.....	.....	98	.....	314	31	.....	124
	1914	583	(2)	(2)	92	11	15	7	131	327
Cars and general shop construction and repairs by steam-railroad companies.	1919	16,703	.....	.....	10,750	.....	.....	5,879	74	.....
	1914	10,915	(2)	(2)	4,727	130	3,180	.....	1,151	1,727
Cement	1919	641	.....	.....	.....	.....	374	.....	130	137
	1914	583	.....	.....	.....	.....	.....	.....	141	442
Clothing, men's	1919	1,606	921	278	251	57	99	.....	.....	.....
	1914	1,062	(2)	(2)	788	28	131	.....	115	.....
Confectionery and ice cream [3]	1919	1,950	5	.....	183	144	830	22	218	548
	1914	980	(2)	(2)	26	116	224	237	248	129
Copper, tin and sheet-iron work	1919	740	211	.....	366	22	115	.....	26	.....
	1914	728	(2)	(2)	467	23	159	10	68	1
Cotton goods	1919	2,633	.....	.....	.....	.....	228	1,287	1,118	.....
	1914	1,875	.....	.....	.....	.....	170	.....	1,338	367
Flour-mill and gristmill products	1919	1,567	2	.....	674	4	162	25	347	353
	1914	1,300	.....	.....	22	1	103	94	475	605
Food preparations, not elsewhere specified	1919	635	16	.....	80	20	235	51	233	.....
	1914	317	(2)	(2)	21	17	65	.....	214	.....
Foundry and machine-shop products [4]	1919	3,940	139	42	1,719	420	1,125	70	425	.....
	1914	2,681	(2)	(2)	39	316	1,936	139	237	14
Furniture	1919	710	60	.....	230	.....	359	.....	61	.....
	1914	577	(2)	(2)	157	.....	252	.....	168	.....
Gas, illuminating and heating	1919	643	.....	.....	252	28	.....	38	35	290
	1914	613	(2)	(2)	6	.....	141	7	89	370
Ice, manufactured	1919	2,362	17	.....	359	10	243	343	201	1,189
	1914	1,926	(2)	(2)	12	.....	39	75	167	1,633
Lumber and timber products	1919	17,359	317	51	38	263	297	1,108	15,244	41
	1914	17,783	(2)	(2)	83	280	29	312	15,844	1,235
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	1,779	52	.....	612	172	662	6	257	18
	1914	1,358	(2)	(2)	287	96	846	6	120	3
Mineral and soda waters	1919	880	12	.....	278	3	161	59	284	83
	1914	545	(2)	(2)	61	12	135	8	314	15
Oil and cake, cottonseed	1919	4,472	8	.....	164	.....	219	.....	478	3,603
	1914	4,471	.....	.....	.....	.....	18	63	341	4,049
Petroleum, refining	1919	8,224	.....	.....	6,388	1,289	4	396	40	107
	1914	2,909	.....	.....	.....	.....	1,960	.....	8	941
Printing and publishing, book and job	1919	2,258	84	26	1,964	98	83	.....	3	.....
	1914	1,805	(2)	(2)	1,445	119	205	21	14	1
Printing and publishing, newspapers and periodicals	1919	3,127	115	22	1,849	306	605	169	57	4
	1914	2,830	(2)	(2)	1,488	85	676	311	247	23
Saddlery and harness	1919	919	.....	.....	310	11	459	111	28	.....
	1914	567	(2)	(2)	5	.....	467	40	55	.....
Shipbuilding, wooden, including boat building	1919	6,068	717	.....	5,329	.....	22	.....	.....	.....
	1914	168	(2)	(2)	136	.....	20	.....	12	.....
Slaughtering and meat packing	1919	5,072	247	.....	4,422	287	45	42	29	.....
	1914	3,486	(2)	(2)	21	57	2,696	.....	712	.....
Tobacco, cigars	1919	1,156	5	64	159	922	4	.....	2	.....
	1914	344	(2)	(2)	110	7	226	1	.....	.....
Turpentine and rosin	1919	1,018	224	.....	16	.....	493	.....	285	.....
	1914	809	.....	.....	.....	.....	.....	.....	809	.....
Wood preserving	1919	754	.....	.....	152	.....	162	.....	319	121
	1914	350	.....	.....	.....	.....	.....	.....	350	.....
All other industries	1919	12,969	514	145	3,621	1,222	3,820	1,120	1,595	933
	1914	8,721	(2)	(2)	2,047	316	2,230	1,279	2,216	632

[1] Includes 48 and under for 1914 and 1909.
[2] Corresponding figures not available.
[3] Includes "chewing gum" for 1914.
[4] Includes "iron and steel, welding."

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Total for cities [3]	1919	49,823	2,282	855	21,222	3,494	8,963	5,557	3,792	3,658
	1914	31,789	(2)	(2)	9,869	1,396	9,304	956	5,496	4,768
ABILENE	1919	130	4	.....	47	.....	21	13	45	.....
	1914	107	(2)	(2)	30	5	.....	.....	30	42
AMARILLO	1919	496	.....	.....	150	4	69	270	3	.....
	1914	311	(2)	(2)	35	.....	39	1	200	36
AUSTIN	1919	745	10	6	349	.....	181	72	9	118
	1914	801	(2)	(2)	274	.....	136	114	92	275
BEAUMONT	1919	1,535	52	.....	569	28	225	203	435	73
	1914	1,073	(2)	(2)	92	29	331	26	460	135
BROWNSVILLE	1919	119	.....	.....	50	.....	.....	59	10	.....
	1914	76	.....	.....	.....	.....	24	2	7	43
CLEBURNE	1919	1,127	.....	.....	24	10	199	889	5	.....
	1914	886	(2)	(2)	26	6	51	6	9	788
CORPUS CHRISTI	1919	94	.....	.....	39	.....	4	8	15	28
CORSICANA	1919	599	.....	.....	125	.....	66	.....	342	66
DALLAS	1919	7,913	405	264	2,611	1,157	2,377	253	347	499
	1914	5,284	(2)	(2)	988	643	2,146	62	1,075	370
DEL RIO	1919	93	.....	.....	5	.....	3	67	7	11
DENISON	1919	1,084	.....	.....	941	.....	28	44	48	23
	1914	954	(2)	(2)	808	.....	42	.....	19	85
EL PASO	1919	3,912	3	.....	1,741	88	547	908	342	283
	1914	2,347	(2)	(2)	763	36	812	105	424	207
FORT WORTH	1919	4,452	493	18	1,530	164	1,149	678	280	140
	1914	2,308	(2)	(2)	984	173	280	119	519	233
GALVESTON	1919	1,416	148	8	735	15	201	203	32	74
	1914	1,410	(2)	(2)	544	42	315	142	132	235
GREENVILLE	1919	163	.....	.....	30	.....	6	.....	81	46
HOUSTON	1919	9,860	653	393	4,870	576	1,491	285	571	1,021
	1914	5,607	(2)	(2)	1,288	165	2,776	59	742	577
LAREDO	1919	303	.....	.....	181	5	33	38	46	.....
	1914	270	(2)	(2)	13	.....	9	.....	209	39
MARSHALL	1919	1,670	.....	.....	1,431	.....	135	25	42	37
	1914	1,166	(2)	(2)	889	.....	186	8	59	24
PALESTINE	1919	1,084	.....	.....	967	.....	61	28	11	17
	1914	648	(2)	(2)	561	.....	10	.....	27	50
PARIS	1919	939	.....	.....	308	.....	133	235	163	100
	1914	513	(2)	(2)	80	4	72	.....	235	122
RANGER	1919	170	4	.....	21	9	101	.....	35	.....
SAN ANGELO	1919	144	33	.....	32	.....	41	12	26	.....
	1914	161	(2)	(2)	73	.....	31	7	26	24
SAN ANTONIO	1919	6,614	90	166	2,584	1,397	805	809	308	455
	1914	4,083	(2)	(2)	1,347	223	1,528	167	201	527
SHERMAN	1919	871	91	.....	234	.....	140	161	164	81
	1914	389	(2)	(2)	94	.....	32	14	97	152
TEMPLE	1919	412	.....	.....	115	.....	67	165	2	63
	1914	342	(2)	(2)	45	7	74	.....	17	199
TEXARKANA	1919	802	160	.....	152	.....	220	.....	203	67
	1914	955	(2)	(2)	78	57	25	3	490	302
TYLER	1919	732	56	.....	526	.....	60	.....	52	38
	1914	506	(2)	(2)	444	.....	8	.....	14	40
WACO	1919	1,362	29	.....	551	36	394	.....	158	194
	1914	1,125	(2)	(2)	262	6	336	121	188	212
WICHITA FALLS	1919	932	51	.....	304	5	206	132	10	224
	1914	377	(2)	(2)	151	.....	41	.....	134	51

[1] Includes 48 and under for 1914 and 1909.
[2] Corresponding figures not available.
[3] Excludes Port Arthur to avoid disclosure of individual operations.

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		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	5,724	107,522	747	3,070	7,075	1,104	12,049	444	14,326	161	11,605	130	20,532	42	14,960	17	11,735	9	15,240
Automobile repairing	334	1,254	16	260	582	51	476	7	196										
Boxes, wooden packing, except cigar boxes	19	1,101		4	6	3	28	4	147	6	440	1	200	1	280				
Bread and other bakery products	610	2,752	92	416	866	89	828	11	342					2	716				
Brick and tile, terra-cotta, and fire-clay products	58	1,663		9	28	21	266	19	614	7	502	2	253						
Cars and general shop construction and repairs by electric-railroad companies	18	567		8	22	2	36	4	136	3	232	1	141						
Cars and general shop construction and repairs by steam-railroad companies	85	16,703		5	14	6	76	22	770	16	1,178	18	2,799	9	3,677	7	5,152	2	3,037
Cement	5	641								2	136	3	505						
Clothing, men's	32	1,606		3	8	6	82	12	361	4	278	7	877						
Confectionery and ice cream	193	1,950	18	121	281	33	374	11	367	7	487	3	441						
Copper, tin, and sheet-iron work	215	740	35	144	282	31	324	5	134										
Cotton goods	15	2,633										13	2,095	2	538				
Flour-mill and gristmill products	222	1,567	59	111	215	31	365	14	429	6	435	1	123						
Food preparations, not elsewhere specified	58	635	8	28	56	14	180	6	196	1	94	1	109						
Foundry and machine-shop products	181	3,855	14	77	204	50	547	21	663	8	556	10	1,616	1	269				
Furniture	22	710		7	14	7	89	3	113	3	245	2	249						
Gas, illuminating and heating	25	643		11	40	7	66	4	118	2	194	1	225						
Ice, manufactured	265	2,362	3	158	472	78	916	22	738	4	236								
Lumber and timber products	457	17,359	6	228	605	112	1,166	45	1,408	15	1,104	29	4,963	19	6,380	3	1,733		
Lumber, planing-mill products, not including planing mills connected with sawmills	130	1,779	15	66	169	27	324	13	399	6	442	3	445						
Mineral and soda waters	258	880	28	189	361	38	374	2	72	1	73								
Oil and cake, cottonseed	200	4,472		26	94	95	1,285	66	2,079	11	707	2	307						
Petroleum, refining	39	8,224		11	36	8	80	5	167	8	599	2	271	1	264	1	520	3	6,287
Printing and publishing, book and job	308	2,258	62	150	342	70	711	19	621	6	439	1	145						
Printing and publishing, newspapers and periodicals	765	3,127	247	428	906	65	688	6 12	562	8	520			1	451				
Saddlery and harness	68	919	12	44	79	4	41		60	3	247	2	225	1	267				
Shipbuilding, wooden, including boat building	21	6,068		7	15	3	34			1	70	2	217	2	872	4	2,826	2	2,034
Slaughtering and meat packing	19	5,072		3	13	5	76	4	140	2	181	2	493	1	287			2	3,882
Tobacco, cigars	42	1,156	14	21	51	3	22	1	29	2	132					1	922		
Turpentine and rosin	10	1,018				2	34	5	177	1	70	1	244	1	493				
Wood preserving	7	754						3	132			4	622						
All other industries	1,043	13,054	118	535	1,314	243	2,561	98	3,156	28	2,008	19	2,967	1	466	1	582		
Total for cities [1]	2,667	49,823	275	1,282	3,249	644	7,035	275	8,797	109	8,015	59	9,095	13	4,447	8	6,147	2	3,038
ABILENE	22	130	1	16	48	4	57	1	25										
AMARILLO	42	496	6	23	54	9	89	3	83					1	270				
AUSTIN	91	745	29	34	82	14	146	12	381	2	136								
BEAUMONT	69	1,585	1	27	69	20	224	13	408	3	206	5	678						
BROWNSVILLE	18	119	1	9	24	7	68	1	27										
CLEBURNE	33	1,127	5	20	50	5	66	1	23	1	115					1	873		
CORPUS CHRISTI	20	94	1	13	30	5	42	1	22										
CORSICANA	40	599	2	26	63	6	59	3	73	1	89	2	315						
DALLAS	457	7,913	63	200	500	116	1,305	43	1,438	17	1,232	14	2,214	4	1,224				
DEL RIO	6	93		3	8	2	18			1	67								
DENISON	42	1,084	6	24	44	7	67	3	117					2	856				
EL PASO	208	3,912	16	113	280	48	527	18	575	9	739	1	216	1	280	2	1,295		
FORT WORTH	229	4,452	20	100	273	65	721	27	932	9	704	6	922	1	269	1	631		
GALVESTON	118	1,416	14	61	150	26	289	13	447	1	62	3	468						
GREENVILLE	29	163	2	22	64	3	34	2	65										
HOUSTON	383	9,860	35	161	385	97	1,035	48	1,464	26	1,930	13	2,104	1	323	1	875	1	1,744
LAREDO	30	303	3	13	40	12	160	1	24	1	79								
MARSHALL	24	1,670		12	28	5	57	4	112	1	69	1	110					1	1,294
PALESTINE	17	1,084		7	15	6	55	3	73							1	941		
PARIS	52	939		26	71	14	143	7	225	3	190	2	310						
RANGER	17	170	1	9	29	5	50	1	32	1	59								
SAN ANGELO	30	144	3	20	55	7	89												
SAN ANTONIO	318	6,614	33	155	384	70	775	33	1,057	16	1,071	7	1,054	2	741	2	1,532		
SHERMAN	53	871	4	27	72	11	118	7	243	2	168	2	270						
TEMPLE	45	412	6	29	71	5	50	4	127			1	164						
TEXARKANA	38	802	2	19	62	8	90	4	143	3	237	2	270						
TYLER	33	732	3	22	55	3	31	3	106	1	56			1	484				
WACO	134	1,362	17	58	161	41	431	12	344	6	426								
WICHITA FALLS	69	932	1	33	82	23	239	7	231	5	380								

[1] Excludes Port Arthur to avoid disclosure of individual operations.

TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	5,724	5,084	4,588	107,522	74,853	70,230	$999,995,796	$361,279,303	$272,895,635	$298,824,898	$108,135,042	$94,717,120
Less than $5,000	1,440	2,065	1,746	1,091	2,572	2,646	3,904,156	5,154,763	4,297,098	2,478,215	3,471,925	2,943,755
$5,000 to $20,000	1,936	1,617	1,512	5,415	6,658	7,780	20,895,448	15,938,725	15,442,319	11,902,039	9,676,621	9,636,311
$20,000 to $100,000	1,391	864	868	13,511	13,454	15,724	61,576,483	38,649,043	39,117,172	32,490,914	18,093,401	19,593,400
$100,000 to $500,000	628	432	426	25,201	40,022	34,894	143,676,554	92,595,824	111,984,740	60,593,041	49,266,767	43,521,809
$500,000 to $1,000,000	166	65		16,026			112,761,377	43,851,219		39,736,851		
$1,000,000 and over	163	41	36	46,278	12,147	9,186	657,181,778	165,089,729	102,054,306	151,623,838	27,626,328	19,021,845
	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	25.2	40.6	38.1	1.0	3.4	3.8	0.4	1.4	1.6	0.8	3.2	3.1
$5,000 to $20,000	33.8	31.8	33.0	5.0	8.9	11.1	2.1	4.4	5.7	4.0	8.9	10.2
$20,000 to $100,000	24.3	17.0	18.9	12.6	18.0	22.4	6.2	10.7	14.3	10.9	16.7	20.7
$100,000 to $500,000	11.0	8.5	9.3	23.4	53.5	49.7	14.4	25.6	41.0	20.3	45.6	45.9
$500,000 to $1,000,000	2.9	1.3		14.9			11.3	12.1		13.3		
$1,000,000 and over	2.8	0.8	0.8	43.0	16.2	13.1	65.7	45.7	37.4	50.7	25.5	20.1

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.	
			1919	1914			1919	1914			1919	1914			1919	1914
BREAD AND OTHER BAKERY PRODUCTS	610	530	100.0	100.0	2,752	1,949	100.0	100.0	$20,154,202	$7,503,298	100.0	100.0	$7,454,030	$3,361,461	100.0	100.0
Less than $5,000	111	221	18.2	41.7	53	131	1.9	6.7	332,490	632,186	1.6	8.4	137,146	284,641	1.8	8.5
$5,000 to $20,000	296	235	48.5	44.3	455	563	16.5	28.9	3,280,961	2,187,017	16.3	29.1	1,238,496	1,002,531	16.6	29.8
$20,000 to $100,000	172	69	28.2	13.0	1,024	689	37.2	35.4	7,354,557	2,612,829	36.5	34.8	2,495,433	1,059,848	33.5	31.5
$100,000 and over	31	5	5.1	0.9	1,220	566	44.3	29.0	9,186,194	2,071,266	45.6	27.6	3,582,955	1,014,441	48.1	30.2
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES	85	63	100.0	100.0	16,703	10,915	100.0	100.0	41,486,703	15,276,387	100.0	100.0	27,216,682	9,297,959	100.0	100.0
$5,000 to $20,000	5	[1] 8	5.9	12.7	14	[1] 98	0.1	0.9	46,259	[1] 87,704	0.1	0.6	[1] 30,248	59,755	0.1	0.6
$20,000 to $100,000	22	19	25.9	30.2	589	640	3.5	5.9	1,386,785	843,028	3.3	5.5	953,020	524,071	3.5	5.6
$100,000 to $500,000	34	28	40.0	44.4	3,144	[2] 10,177	18.8	93.2	7,815,280	6,717,456	18.8	44.0	5,325,484	[2] 8,714,133	19.6	93.7
$500,000 to $1,000,000	8	[3] 8	9.4	12.7	2,023	.....	12.1	.....	5,325,068	[3] 7,628,199	12.8	49.9	3,512,491	.....	12.9	.....
$1,000,000 and over	16	.....	18.8	.....	10,933	.....	65.5	.....	26,913,311	.....	64.9	.....	17,305,430	.....	63.9	.....
COFFEE, ROASTING AND GRINDING	41	36	100.0	100.0	258	145	100.0	100.0	7,850,648	3,325,861	100.0	100.0	1,850,388	773,103	100.0	100.0
Less than $5,000	.....	3	.....	8.3	.....	2	.....	1.4	.....	10,338	.....	0.3	.....	3,355	.....	0.4
$5,000 to $20,000	7	8	17.1	22.2	6	10	2.3	6.9	76,487	84,120	1.0	2.5	14,559	20,958	0.8	2.7
$20,000 to $100,000	15	16	36.6	44.4	44	62	17.1	42.8	710,282	817,170	9.0	24.6	230,842	186,264	12.5	24.1
$100,000 to $500,000	15	[4] 9	36.6	25.0	98	[4] 71	38.0	49.0	3,495,584	[4] 2,414,233	44.5	72.6	567,102	[4] 562,526	30.6	72.8
$500,000 and over	4	.....	9.8	.....	110	.....	42.6	.....	3,568,295	.....	45.4	.....	1,037,885	.....	56.1	.....
CONFECTIONERY AND ICE CREAM	193	123	100.0	100.0	1,950	968	100.0	100.0	13,309,435	3,526,382	100.0	100.0	5,080,541	1,509,904	100.0	100.0
Less than $5,000	38	38	19.7	30.9	26	19	1.3	2.0	110,241	73,923	0.8	2.1	51,470	35,853	1.0	2.4
$5,000 to $20,000	61	52	31.6	42.3	122	131	6.3	13.5	700,283	504,725	5.3	14.3	321,956	241,264	6.3	16.0
$20,000 to $100,000	64	26	33.2	21.1	455	320	23.3	33.1	2,813,090	1,328,733	21.1	37.7	1,187,637	559,751	23.4	37.1
$100,000 and over	30	7	15.5	5.7	1,347	498	69.1	51.4	9,685,821	1,619,001	72.8	45.9	3,519,478	673,036	69.3	44.6
COPPER, TIN, AND SHEET-IRON WORK	215	247	100.0	100.0	740	728	100.0	100.0	4,206,506	2,238,381	100.0	100.0	1,975,703	1,221,701	100.0	100.0
Less than $5,000	82	131	38.1	53.0	46	156	6.2	21.4	220,153	365,033	5.2	16.3	122,612	223,807	6.2	18.3
$5,000 to $20,000	83	94	38.6	38.1	190	329	25.7	45.2	858,846	884,331	20.4	39.5	476,654	524,568	24.1	42.9
$20,000 to $100,000	44	[5] 22	20.5	8.9	407	[5] 243	55.0	33.4	1,788,346	[5] 989,017	42.5	44.2	915,512	[5] 473,326	46.3	38.7
$100,000 to $1,000,000	6	.....	2.8	.....	97	.....	13.1	.....	1,339,161	.....	31.8	.....	460,925	.....	23.3	.....
COTTON GOODS	15	12	100.0	100.0	2,633	1,875	100.0	100.0	13,919,603	3,754,785	100.0	100.0	4,604,710	1,111,597	100.0	100.0
$100,000 to $500,000	.....	[4] 12	.....	100.0	.....	[4] 1,875	.....	100.0	.....	[4] 3,754,785	.....	100.0	.....	[4] 1,111,597	.....	100.0
$500,000 to $1,000,000	10	.....	66.7	.....	1,470	.....	55.8	.....	7,156,386	.....	51.4	.....	2,248,319	.....	48.8	.....
$1,000,000 and over	5	.....	33.3	.....	1,163	.....	44.2	.....	6,763,217	.....	48.6	.....	2,356,391	.....	51.2	.....
FLOUR-MILL AND GRISTMILL PRODUCTS	222	191	100.0	100.0	1,567	1,300	100.0	100.0	73,064,361	35,110,301	100.0	100.0	9,664,690	5,537,114	100.0	100.0
Less than $5,000	41	44	18.5	23.0	11	28	0.7	2.1	110,037	120,014	0.2	0.3	28,787	34,559	0.3	0.6
$5,000 to $20,000	58	48	26.1	25.1	53	80	3.4	6.1	651,180	512,312	0.9	1.5	143,469	113,713	1.5	2.1
$20,000 to $100,000	64	41	28.8	21.5	130	123	8.3	9.5	2,759,562	1,752,997	3.8	5.0	500,152	267,558	5.2	4.8
$100,000 to $500,000	26	33	11.7	17.3	205	[4] 686	13.1	52.8	6,304,643	7,944,552	8.6	22.6	1,210,063	[4] 2,996,146	12.5	54.1
$500,000 to $1,000,000	12	17	5.4	8.9	203	.....	13.0	.....	8,408,780	11,782,881	11.5	33.6	1,052,219	.....	10.9	.....
$1,000,000 and over	21	8	9.5	4.2	905	383	61.6	29.5	54,830,159	12,997,545	75.0	37.0	6,730,000	2,125,138	69.6	38.4

[1] Includes the group "Less than $5,000."
[2] Includes the groups "$500,000 to $1,000,000" and "$1,000,000 and over."
[3] Includes the group "$1,000,000 and over."
[4] Includes the group "$500,000 to $1,000,000."
[5] Includes the group "$100,000 to $500,000."

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914—Con.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914
FOOD PREPARATIONS, NOT ELSEWHERE SPECIFIED	58	26	100.0	100.0	635	317	100.0	100.0	$17,389,049	$4,051,956	100.0	100.0	$2,810,733	$720,425	100.0	100.0
Less than $5,000	19	7	32.8	26.9	9	5	1.4	1.6	39,511	15,049	0.2	0.4	19,965	8,674	0.7	1.2
$5,000 to $20,000	12	5	20.7	19.2	38	14	6.0	4.4	157,265	46,707	0.9	1.2	60,578	20,867	2.2	2.9
$20,000 to $100,000	11	9	19.0	34.6	76	105	12.0	33.1	536,078	379,821	3.1	9.4	164,034	113,441	5.8	15.7
$100,000 to $500,000	10	[1] 5	17.2	19.2	275	[1] 193	43.3	60.9	2,288,836	[1] 3,610,379	13.1	89.1	491,692	[1] 577,443	17.5	80.1
$500,000 and over	6	.....	10.3	.....	237	.....	37.3	.....	14,369,359	.....	82.6	.....	2,074,464	.....	73.8	.....
FOUNDRY AND MACHINE-SHOP PRODUCTS [2]	204	142	100.0	100.0	3,940	2,681	100.0	100.0	20,838,211	7,622,573	100.0	100.0	10,779,381	4,169,013	100.0	100.0
Less than $5,000	34	39	16.7	27.5	24	55	0.6	2.1	98,391	104,133	0.5	1.4	70,225	77,874	0.6	1.9
$5,000 to $20,000	68	53	33.3	37.3	211	256	5.4	9.5	742,361	545,487	3.6	7.2	518,190	380,859	4.8	9.1
$20,000 to $100,000	62	33	30.4	23.2	692	570	17.6	21.3	2,864,394	1,403,614	13.7	18.4	1,728,553	812,965	16.0	19.5
$100,000 to $500,000	25	13	12.3	9.2	1,004	[1] 1,800	25.5	67.1	5,047,373	2,609,996	24.2	34.2	2,779,923	[1] 2,897,315	25.8	69.5
$500,000 to $1,000,000	7	[3] 4	3.4	2.8	881	.....	22.4	.....	4,195,080	[3] 2,959,343	20.1	38.8	2,191,280	.....	20.3	.....
$1,000,000 and over	8	.....	3.9	.....	1,128	.....	28.6	.....	7,890,612	.....	37.9	.....	3,491,210	.....	32.4	.....
ICE, MANUFACTURED	265	255	100.0	100.0	2,362	1,926	100.0	100.0	9,811,061	5,328,302	100.0	100.0	6,666,146	3,668,772	100.0	100.0
Less than $5,000	25	52	9.4	20.4	30	94	1.3	4.9	74,241	160,372	0.8	3.0	49,055	98,970	0.7	2.7
$5,000 to $20,000	119	118	44.9	46.3	405	499	17.1	25.9	1,296,548	1,233,164	13.2	23.1	783,679	845,778	11.8	23.1
$20,000 to $100,000	94	[4] 85	35.5	33.3	1,036	[4] 1,333	43.9	69.2	4,220,717	[4] 3,934,766	43.0	73.8	2,824,761	[4] 2,724,024	42.4	74.2
$100,000 to $500,000	27	.....	10.2	.....	891	.....	37.7	.....	4,219,555	.....	43.0	.....	3,008,651	.....	45.1	.....
LUMBER AND TIMBER PRODUCTS	457	401	100.0	100.0	17,359	17,783	100.0	100.0	47,884,281	23,144,926	100.0	100.0	32,193,612	14,562,968	100.0	100.0
Less than $5,000	120	194	26.3	48.4	193	672	1.1	3.8	329,975	460,266	0.7	2.0	241,450	359,955	0.7	2.5
$5,000 to $20,000	142	109	31.1	27.2	698	1,041	4.0	5.9	1,494,850	1,111,164	3.1	4.8	1,109,594	826,108	3.4	5.7
$20,000 to $100,000	121	37	26.5	9.2	2,073	1,488	11.9	8.4	5,267,599	1,523,176	11.0	6.6	3,865,105	1,014,325	12.0	7.0
$100,000 to $500,000	45	48	9.8	12.0	5,019	[1] 14,582	28.9	82.0	12,326,541	10,834,859	25.7	46.8	8,348,865	[1] 12,362,580	25.9	84.9
$500,000 to $1,000,000	17	[3] 13	3.7	3.2	4,457	.....	25.7	.....	12,048,093	[3] 9,215,461	25.2	39.8	8,079,286	.....	25.1	.....
$1,000,000 and over	12	.....	2.6	.....	4,919	.....	28.3	.....	16,417,223	.....	34.3	.....	10,549,312	.....	32.8	.....
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS	130	149	100.0	100.0	1,779	1,358	100.0	100.0	9,792,439	4,266,953	100.0	100.0	4,503,257	1,917,927	100.0	100.0
Less than $5,000	27	40	20.8	26.8	15	48	0.8	3.5	63,070	103,300	0.6	2.4	38,986	56,144	0.9	2.9
$5,000 to $20,000	43	60	33.1	40.3	105	254	5.9	18.7	465,219	595,221	4.8	13.9	239,477	334,418	5.3	17.4
$20,000 to $100,000	36	43	27.7	28.9	410	681	23.0	50.1	1,864,748	2,119,490	19.0	49.7	840,641	1,099,581	18.7	57.3
$100,000 to $1,000,000	24	6	18.5	4.0	1,249	375	70.2	27.6	7,399,402	1,448,942	75.6	34.0	3,384,153	427,784	75.1	22.3
OIL AND CAKE, COTTONSEED	200	233	100.0	100.0	4,472	4,471	100.0	100.0	102,111,850	41,944,689	100.0	100.0	14,978,862	5,768,113	100.0	100.0
Less than $20,000	6	9	3.0	3.9	19	33	0.4	0.7	81,024	114,343	0.1	0.3	17,914	20,718	0.1	0.4
$20,000 to $100,000	21	75	10.5	32.2	109	804	2.4	18.0	1,274,239	5,052,173	1.2	12.0	232,349	680,275	1.5	11.8
$100,000 to $500,000	108	143	54.0	61.4	1,729	3,251	38.7	72.7	30,088,252	28,321,123	29.5	67.5	4,881,881	4,111,456	32.6	71.3
$500,000 to $1,000,000	50	.....	25.0	.....	1,669	.....	37.3	.....	33,850,373	.....	33.1	.....	6,081,797	.....	40.6	.....
$1,000,000 and over	15	6	7.5	2.6	946	383	21.2	8.6	36,822,962	8,457,050	36.1	20.2	3,764,921	955,664	25.1	16.6
PRINTING AND PUBLISHING, BOOK AND JOB	308	288	100.0	100.0	2,258	1,805	100.0	100.0	12,233,688	4,711,163	100.0	100.0	7,419,125	3,390,820	100.0	100.0
Less than $5,000	107	141	34.7	49.0	63	129	2.8	7.1	277,085	353,614	2.3	7.5	177,807	264,713	2.4	7.8
$5,000 to $20,000	92	95	29.9	33.0	264	427	11.7	23.7	1,009,513	949,233	8.2	20.1	637,358	702,293	8.6	20.7
$20,000 to $100,000	83	44	26.9	15.3	800	660	35.4	36.6	3,714,211	1,884,584	30.4	40.0	2,559,467	1,351,670	34.5	39.9
$100,000 to $500,000	22	8	7.1	2.8	873	589	38.7	32.6	4,462,621	1,523,732	36.5	32.3	2,789,353	1,072,144	37.6	31.6
$500,000 and over	4	.....	1.3	.....	258	.....	11.4	.....	2,770,258	.....	22.6	.....	1,255,140	.....	16.9	.....
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS	765	892	100.0	100.0	3,127	2,830	100.0	100.0	19,998,949	10,263,457	100.0	100.0	13,877,039	7,604,650	100.0	100.0
Less than $5,000	383	607	50.1	68.0	252	645	8.1	22.8	1,008,693	1,418,610	5.0	13.8	777,874	1,183,258	5.6	15.6
$5,000 to $20,000	276	228	36.1	25.6	687	811	22.0	28.7	2,611,001	2,039,871	13.1	19.9	2,035,568	1,700,650	14.7	22.4
$20,000 to $100,000	77	39	10.1	4.4	663	496	21.2	17.5	3,038,769	1,380,058	15.2	13.4	2,330,825	994,727	16.8	13.1
$100,000 to $500,000	18	[1] 18	2.4	2.0	530	[1] 878	16.9	31.0	3,159,710	[1] 5,424,918	15.8	52.9	2,350,500	[1] 3,726,015	16.9	49.0
$500,000 to $1,000,000	7	.....	0.9	.....	430	.....	13.8	.....	4,391,877	.....	22.0	.....	2,685,161	.....	19.3	.....
$1,000,000 and over	4	.....	0.5	.....	565	.....	18.1	.....	5,788,899	.....	28.9	.....	3,697,111	.....	26.6	.....
SADDLERY AND HARNESS	68	75	100.0	100.0	919	567	100.0	100.0	7,817,750	3,382,244	100.0	100.0	2,587,980	949,339	100.0	100.0
Less than $5,000	14	32	20.6	42.7	6	28	0.7	4.9	46,541	93,314	0.6	2.8	23,854	55,837	0.9	5.9
$5,000 to $20,000	32	29	47.1	38.7	45	82	4.9	14.5	353,758	297,730	4.5	8.8	156,622	144,813	6.1	15.3
$20,000 to $100,000	14	6	20.6	8.0	69	27	7.5	4.8	536,291	169,254	6.9	5.0	208,691	70,071	8.1	7.4
$100,000 to $500,000	3	[1] 8	4.4	10.7	135	[1] 430	14.7	75.8	1,033,549	[1] 2,821,946	13.2	83.4	248,882	[1] 678,618	9.6	71.5
$500,000 and over	5	.....	7.4	.....	664	.....	72.3	.....	5,847,611	.....	74.8	.....	1,949,931	.....	75.3	.....

[1] Includes the groups "$500,000 to $1,000,000" and "$1,000,000 and over."
[2] Includes "iron and steel, welding."
[3] Includes the group "$1,000,000 and over."
[4] Includes the group "$100,000 to $500,000."

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

CITY AND VALUE OF PRODUCT.[1]	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.
ABILENE	22	130	100.0	$765,834	100.0	$313,540	100.0
Less than $20,000	10	22	16.9	98,233	12.8	57,045	18.2
$20,000 to $500,000	12	108	83.1	667,601	87.2	256,495	81.8
AMARILLO	42	496	100.0	1,896,601	100.0	1,088,440	100.0
Less than $5,000	12	7	1.4	32,597	1.7	21,893	2.0
$5,000 to $20,000	14	34	6.9	151,798	8.0	76,059	7.0
$20,000 to $100,000	13	143	28.8	696,169	36.7	412,608	37.9
$100,000 to $1,000,000	3	312	62.9	1,016,037	53.6	577,880	53.1
AUSTIN	91	745	100.0	4,996,021	100.0	2,129,409	100.0
Less than $5,000	24	3	0.4	60,079	1.2	38,107	1.8
$5,000 to $20,000	31	99	13.3	373,809	7.5	227,518	10.7
$20,000 to $100,000	21	175	23.5	916,876	18.4	368,477	17.3
$100,000 to $1,000,000	15	468	62.8	3,645,257	73.0	1,495,307	70.2
BROWNSVILLE	18	119	100.0	504,754	100.0	165,895	100.0
Less than $5,000	4	8	6.7	10,350	2.1	8,032	4.8
$5,000 to $20,000	6	20	16.8	59,147	11.7	35,536	21.4
$20,000 to $500,000	8	91	76.5	435,257	86.2	122,327	73.7
CLEBURNE	33	1,127	100.0	3,334,989	100.0	1,948,348	100.0
Less than $5,000	5	4	0.4	14,198	0.4	9,200	0.5
$5,000 to $20,000	14	34	3.0	129,086	3.9	72,606	3.7
$20,000 to $100,000	11	99	8.8	503,438	15.1	260,506	13.4
$100,000 and over	3	990	87.8	2,688,267	80.6	1,606,036	82.4
CORPUS CHRISTI	20	94	100.0	647,049	100.0	280,334	100.0
Less than $20,000	12	25	26.6	120,965	18.7	71,701	25.6
$20,000 to $500,000	8	69	73.4	526,084	81.3	208,633	74.4
CORSICANA	40	599	100.0	8,001,243	100.0	3,013,351	100.0
Less than $5,000	5	2	0.3	15,128	0.2	8,150	0.3
$5,000 to $20,000	14	28	4.7	158,643	2.0	99,164	3.3
$20,000 to $100,000	13	106	17.7	589,181	7.4	315,271	10.5
$100,000 to $500,000	4	32	5.3	943,930	11.8	276,900	9.2
$500,000 and over	4	431	72.0	6,294,361	78.7	2,313,866	76.8
DALLAS	457	7,913	100.0	93,649,654	100.0	28,146,461	100.0
Less than $5,000	68	32	0.4	207,016	0.2	150,290	0.5
$5,000 to $20,000	130	289	3.7	1,481,858	1.6	948,129	3.4
$20,000 to $100,000	156	1,275	16.1	7,350,001	7.8	4,400,784	15.6
$100,000 to $500,000	75	2,715	34.3	16,173,393	17.3	7,686,224	27.3
$500,000 to $1,000,000	9	692	8.7	6,477,344	6.9	2,625,787	9.3
$1,000,000 and over	19	2,910	36.8	61,960,042	66.2	12,335,247	43.8
DENISON	42	1,084	100.0	5,077,916	100.0	2,051,079	100.0
Less than $5,000	13	9	0.8	38,555	0.8	25,065	1.2
$5,000 to $20,000	15	31	2.9	176,257	3.5	85,948	4.2
$20,000 to $100,000	6	72	6.6	328,788	6.5	174,782	8.5
$100,000 and over	8	972	89.7	4,534,316	89.3	1,765,284	86.1
EL PASO	208	3,912	100.0	16,649,982	100.0	7,787,910	100.0
Less than $5,000	43	33	0.8	95,611	0.6	63,117	0.8
$5,000 to $20,000	76	261	6.7	806,487	4.8	486,165	6.2
$20,000 to $100,000	61	811	20.7	2,997,905	18.0	1,411,077	18.1
$100,000 to $500,000	19	799	20.4	3,565,998	21.4	1,616,496	20.8
$500,000 to $1,000,000	5	334	8.5	2,966,596	17.8	1,112,459	14.3
$1,000,000 and over	4	1,674	42.8	6,217,385	37.3	3,098,596	39.8
FORT WORTH	229	4,452	100.0	38,160,092	100.0	12,502,858	100.0
Less than $5,000	35	23	0.5	107,575	0.3	73,765	0.6
$5,000 to $20,000	53	150	3.4	583,102	1.5	359,592	2.9
$20,000 to $400,000	85	768	17.3	3,984,811	10.4	2,250,054	18.0
$100,000 to $500,000	41	1,341	30.1	8,524,537	22.3	3,840,416	30.7
$500,000 to $1,000,000	6	707	15.9	3,522,531	9.2	1,487,936	11.9
$1,000,000 and over	9	1,463	32.9	21,437,536	56.2	4,491,095	35.9
GALVESTON	118	1,416	100.0	14,979,034	100.0	4,398,323	100.0
Less than $5,000	22	18	1.3	65,300	0.4	43,002	1.0
$5,000 to $20,000	41	97	6.9	438,328	2.9	214,933	4.9
$20,000 to $100,000	33	280	19.8	1,559,168	10.4	687,797	15.6
$100,000 to $500,000	16	461	32.6	3,247,303	21.7	1,811,373	41.2
$500,000 and over	6	560	39.5	9,668,935	64.5	1,641,218	37.3
GREENVILLE	29	163	100.0	4,152,399	100.0	920,377	100.0
Less than $5,000	3	.....	.....	9,400	0.2	4,483	0.5
$5,000 to $20,000	12	30	18.4	130,922	3.2	75,308	8.2
$20,000 to $100,000	11	50	30.7	438,940	10.6	227,736	24.7
$1,000,000 and over	3	83	50.9	3,573,137	86.0	612,850	66.6
HOUSTON	383	9,860	100.0	86,874,480	100.0	29,082,240	100.0
Less than $5,000	78	59	0.6	202,801	0.2	133,139	0.5
$5,000 to $20,000	85	229	2.3	950,808	1.1	535,600	1.8
$20,000 to $100,000	121	1,156	11.7	5,425,314	6.2	3,007,144	10.3
$100,000 to $500,000	56	2,177	22.1	12,325,098	14.2	5,151,084	17.7
$500,000 to $1,000,000	19	1,370	13.9	12,981,184	14.9	4,710,321	16.2
$1,000,000 and over	24	4,869	49.4	54,989,275	63.3	15,544,952	53.5
LAREDO	30	303	100.0	704,877	100.0	438,032	100.0
Less than $5,000	7	9	3.0	15,808	2.2	9,343	2.1
$5,000 to $20,000	11	88	29.0	138,069	19.6	82,291	18.8
$20,000 to $500,000	12	206	68.0	551,009	78.2	346,398	79.1
MARSHALL	24	1,670	100.0	6,904,078	100.0	2,635,181	100.0
Less than $5,000	4	4	0.2	13,350	0.2	7,605	0.3
$5,000 to $20,000	6	18	1.1	57,125	0.8	29,457	1.1
$20,000 to $100,000	9	123	7.4	430,107	6.4	229,511	8.7
$100,000 and over	5	1,525	91.3	6,394,496	92.6	2,368,608	89.9
PALESTINE	17	1,084	100.0	2,809,713	100.0	1,646,933	100.0
Less than $20,000	6	11	1.0	51,622	1.8	28,370	1.7
$20,000 to $100,000	8	106	9.8	420,790	15.0	267,793	16.3
$100,000 and over	3	967	89.2	2,337,301	83.2	1,350,770	82.0
PARIS	52	939	100.0	6,079,514	100.0	2,205,247	100.0
Less than $5,000	4	6	0.6	12,227	0.2	5,110	0.2
$5,000 to $20,000	16	47	5.0	169,897	2.8	87,116	4.0
$20,000 to $100,000	17	156	16.6	720,651	11.9	310,868	14.1
$100,000 and over	15	730	77.7	5,176,739	85.1	1,802,153	81.7
RANGER	17	170	100.0	1,357,517	100.0	720,690	100.0
Less than $100,000	13	56	32.9	449,145	33.1	281,145	39.0
$100,000 to $500,000	4	114	67.1	908,372	66.9	439,545	61.0
SAN ANGELO	30	144	100.0	453,621	100.0	260,655	100.0
Less than $5,000	7	6	4.2	16,635	3.7	12,909	5.0
$5,000 to $20,000	12	33	22.9	125,843	27.7	69,196	26.5
$20,000 to $100,000	11	105	72.9	311,143	68.6	178,550	68.5
SAN ANTONIO	318	6,614	100.0	35,455,578	100.0	13,206,975	100.0
Less than $5,000	54	30	0.5	151,647	0.4	91,924	0.7
$5,000 to $20,000	113	380	5.7	1,263,419	3.6	711,208	5.4
$20,000 to $100,000	97	1,099	16.6	4,093,910	11.5	1,956,394	14.8
$100,000 to $500,000	34	1,506	22.8	6,945,747	19.6	3,313,103	25.1
$500,000 to $1,000,000	10	749	11.3	6,710,758	18.9	2,226,106	16.9
$1,000,000 and over	10	2,850	43.1	16,290,097	45.9	4,908,240	37.2
SHERMAN	53	871	100.0	19,175,558	100.0	3,103,442	100.0
Less than $5,000	10	10	1.1	25,297	0.1	13,402	0.4
$5,000 to $20,000	17	54	6.2	203,259	1.1	114,195	3.7
$20,000 to $100,000	13	108	12.4	588,086	3.1	369,200	11.9
$100,000 to $1,000,000	6	271	31.1	1,690,639	8.8	590,796	19.0
$1,000,000 and over	7	428	49.1	16,668,277	86.9	2,015,849	65.0
TEMPLE	45	412	100.0	2,839,366	100.0	1,040,424	100.0
Less than $5,000	8	5	1.2	22,330	0.8	14,413	1.4
$5,000 to $20,000	18	44	10.7	182,316	6.4	109,010	10.5
$20,000 to $100,000	14	72	17.5	515,555	18.2	290,040	27.9
$100,000 to $1,000,000	5	291	70.6	2,119,165	74.6	626,961	60.3
TEXARKANA	38	802	100.0	4,474,319	100.0	1,884,489	100.0
Less than $5,000	4	3	0.4	7,051	0.2	4,870	0.3
$5,000 to $20,000	10	33	4.1	109,422	2.4	68,047	3.6
$20,000 to $100,000	13	94	11.7	555,544	12.4	262,561	13.9
$100,000 to $500,000	8	376	46.9	1,546,749	34.6	987,772	52.4
$500,000 to $1,000,000	3	296	36.9	2,255,553	50.4	561,239	29.8
TYLER	33	732	100.0	2,615,694	100.0	1,364,964	100.0
Less than $5,000	6	4	0.5	15,205	0.6	9,946	0.7
$5,000 to $20,000	10	18	2.5	93,570	3.6	53,832	3.9
$20,000 to $100,000	13	91	12.4	540,591	20.7	232,926	17.1
$100,000 and over	4	619	84.6	1,966,259	75.2	1,068,260	78.3
WACO	134	1,362	100.0	13,085,252	100.0	4,791,013	100.0
Less than $5,000	26	20	1.5	79,639	0.6	50,191	1.0
$5,000 to $20,000	42	138	10.1	510,054	3.9	313,512	6.5
$20,000 to $100,000	38	329	24.2	1,809,190	13.8	944,014	19.7
$100,000 to $500,000	21	565	41.5	3,893,846	29.8	1,744,492	36.4
$500,000 and over	7	310	22.8	6,792,523	51.9	1,738,804	36.3
WICHITA FALLS	69	932	100.0	16,832,429	100.0	5,167,309	100.0
Less than $5,000	12	11	1.2	36,080	0.2	25,341	0.5
$5,000 to $20,000	14	46	4.9	149,707	0.9	105,820	2.0
$20,000 to $100,000	22	175	18.8	939,207	5.6	599,965	11.6
$100,000 to $1,000,000	17	372	39.9	4,042,968	24.0	1,500,217	29.0
$1,000,000 and over	4	328	35.2	11,664,467	69.3	2,935,966	56.8

[1] Excludes Beaumont, Del Rio, and Port Arthur to avoid disclosure of individual operations.

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.						Value of products.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1919	2,847	1,653	1,224	107,522	11,433	86,638	9,451	10.6	80.6	8.8	$999,995,796	$57,348,290	$882,136,923	$60,510,583	5.7	88.2	6.1
	1914	2,651	1,486	947	74,853	8,569	60,541	5,743	11.4	80.9	7.7	361,279,303	24,816,967	313,703,277	22,759,059	6.9	86.8	6.3
	1909	2,290	1,352	946	70,230	9,295	54,697	6,238	13.2	77.9	8.9	272,895,635	23,161,308	231,059,361	18,674,966	8.5	84.7	6.8
Bread and other bakery products.	1919	470	31	109	2,752	1,357	1,039	356	49.3	37.8	12.9	20,154,202	10,330,087	6,633,621	3,190,494	51.3	32.9	15.8
	1914	442	15	73	1,949	1,017	633	299	52.2	32.5	15.3	7,503,298	3,933,192	2,385,990	1,184,116	52.4	31.8	15.8
Butter	1919	12	10	9	200	25	66	109	12.5	33.0	54.5	7,161,208	646,278	994,329	5,520,601	9.0	13.9	77.1
	1914	10	34	7	174	33	126	15	19.0	72.4	8.6	2,280,779	361,088	1,800,820	118,871	15.8	79.0	5.2
Cars and general shop construction and repairs by steam-railroad companies.	1919	.....	85	.....	16,703	.....	16,703	.....	.....	100.0	.....	41,486,703	.....	41,486,703	.....	.....	100.0	.....
	1914	.....	63	.....	10,915	.....	10,915	.....	.....	100.0	.....	15,276,387	.....	15,276,387	.....	.....	100.0	.....
Coffee, roasting and grinding.	1919	13	21	7	258	33	190	35	12.8	73.6	13.6	7,850,648	466,638	6,238,265	1,145,745	5.9	79.5	14.6
	1914	9	18	9	145	18	87	40	12.4	60.0	27.6	3,325,861	298,859	2,501,878	525,124	9.0	75.2	15.8
Confectionery and ice cream.	1919	102	34	57	1,950	324	1,242	384	16.6	63.7	19.7	13,309,435	2,383,043	8,526,220	2,400,172	17.9	64.1	18.0
	1914	60	33	30	968	119	688	161	12.3	71.1	16.6	3,526,382	362,456	2,527,123	636,803	10.3	71.7	18.1
Cotton goods	1919	.....	15	.....	2,633	.....	2,633	.....	.....	100.0	.....	13,919,603	.....	13,919,603	.....	.....	100.0	.....
	1914	.....	12	.....	1,875	.....	1,875	.....	.....	100.0	.....	3,754,785	.....	3,754,785	.....	.....	100.0	.....
Flour-mill and gristmill products.	1919	88	78	56	1,567	111	1,352	104	7.1	86.3	6.6	73,064,361	3,110,483	66,941,148	3,012,730	4.3	91.6	4.1
	1914	78	71	42	1,300	154	941	205	11.8	72.4	15.8	35,110,301	1,995,021	27,061,885	6,053,395	5.7	77.1	17.2
Food preparations, not elsewhere specified.	1919	26	21	11	635	65	473	97	10.2	74.5	15.3	17,389,049	625,234	14,080,871	2,682,944	3.6	81.0	15.4
	1914	12	8	6	317	55	225	37	17.4	71.0	11.7	4,051,956	157,182	3,719,884	174,890	3.9	91.8	4.3
Foundry and machine-shop products.[1]	1919	86	71	47	3,940	539	2,989	412	13.7	75.9	10.5	20,838,211	2,176,954	16,619,620	2,041,637	10.4	79.8	9.8
	1914	59	52	31	2,681	407	2,083	191	15.2	77.7	7.1	7,622,573	970,336	6,229,743	422,494	12.7	81.7	5.5
Ice, manufactured	1919	37	184	44	2,362	119	1,985	258	5.0	84.0	10.9	9,811,061	356,490	8,431,509	1,023,062	3.6	85.9	10.4
	1914	36	179	40	1,926	115	1,676	135	6.0	87.0	7.0	5,328,302	267,097	4,629,499	431,706	5.0	86.9	8.1
Lumber and timber products.	1919	206	101	150	17,359	1,945	13,808	1,606	11.2	79.5	9.3	47,884,281	4,801,456	39,535,122	3,547,703	10.0	82.6	7.4
	1914	201	88	112	17,783	1,170	15,062	1,551	6.6	84.7	8.7	23,144,926	1,304,532	20,242,703	1,597,691	5.6	87.5	6.9
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	70	39	21	1,779	458	1,139	182	25.7	64.0	10.2	9,792,439	2,063,719	6,539,086	1,189,634	21.1	66.8	12.1
	1914	70	39	40	1,358	371	635	352	27.3	46.8	25.9	4,266,953	899,348	2,221,379	1,146,226	21.1	52.1	26.9
Oil and cake, cottonseed.	1919	16	157	27	4,472	335	3,520	617	7.5	78.7	13.8	102,111,850	6,183,892	84,833,464	11,094,494	6.1	83.1	10.9
	1914	21	192	20	4,471	353	3,899	219	7.9	87.2	4.9	41,944,689	2,757,792	37,300,135	1,886,762	6.6	88.9	4.5
Printing and publishing, book and job.	1919	174	59	75	2,258	503	1,383	372	22.3	61.2	16.5	12,233,686	2,455,000	8,143,016	1,635,672	20.1	66.6	13.4
	1914	175	54	59	1,805	446	1,143	216	24.7	63.3	12.0	4,711,163	1,186,587	3,023,509	501,067	25.2	64.2	10.6
Printing and publishing, newspapers and periodicals.	1919	472	134	159	3,127	790	2,022	315	25.3	64.7	10.1	19,998,949	3,024,285	15,325,089	1,649,575	15.1	76.6	8.2
	1914	594	134	164	2,830	999	1,427	404	35.3	50.4	14.3	10,263,457	2,209,615	6,670,384	1,383,458	21.5	65.0	13.5
Saddlery and harness	1919	40	12	16	919	79	716	124	8.6	77.9	13.5	7,817,750	613,759	5,955,675	1,248,316	7.8	76.2	16.0
	1914	37	16	22	567	67	388	112	11.8	68.4	19.8	3,382,244	242,038	2,630,658	509,548	7.2	77.8	15.1
Total for cities[2]	1919	1,269	865	533	49,823	6,747	37,434	5,642	13.6	75.1	11.3	407,670,506	35,128,720	333,664,364	38,877,422	8.6	81.8	9.5
	1914	993	699	379	31,789	4,509	24,504	2,776	14.2	77.1	8.7	139,929,138	14,207,149	110,812,897	14,909,092	10.2	79.2	10.7
Abilene	1919	11	4	7	130	60	52	18	46.2	40.0	13.8	765,834	385,550	207,476	172,808	50.3	27.1	22.6
	1914	10	6	2	107	[3] 38	69	.....	35.5	64.5	.....	311,346	[3] 129,155	182,191	.....	[3] 41.5	58.5	.....
Amarillo	1919	33	5	4	496	110	334	52	22.2	67.3	10.5	1,896,601	515,257	1,065,201	316,143	27.2	56.2	16.7
	1914	19	7	10	311	44	227	40	14.1	73.0	12.9	986,087	135,955	704,137	145,995	13.8	71.4	14.8
Austin	1919	46	18	27	745	225	373	147	30.2	50.1	19.7	4,996,021	1,494,922	2,182,878	1,318,221	29.9	43.7	26.4
	1914	58	20	36	891	208	493	190	23.3	55.3	21.3	3,370,974	848,436	1,603,512	919,026	25.2	47.6	27.3
Corsicana	1919	12	11	17	599	22	490	87	3.7	81.8	14.5	8,001,243	220,831	7,296,240	484,172	2.8	91.2	6.1
Dallas	1919	190	179	88	7,913	697	6,514	702	8.8	82.3	8.9	93,649,654	4,890,398	84,662,220	4,097,036	5.2	90.4	4.4
	1914	193	138	81	5,284	604	4,020	660	11.4	76.1	12.5	31,065,073	1,911,873	25,703,554	3,449,646	6.2	82.7	11.1
Denison	1919	26	11	5	1,084	51	1,020	13	4.7	94.1	1.2	5,077,916	302,581	4,497,234	278,101	6.0	88.6	5.5
	1914	15	8	7	954	26	898	30	2.7	94.1	3.1	2,068,788	99,186	1,834,602	135,000	4.8	88.7	6.5
El Paso	1919	104	64	40	3,912	501	3,070	341	12.8	78.5	8.7	16,649,982	2,010,996	13,489,587	1,149,399	12.1	81.0	6.9
	1914	54	43	20	2,347	411	1,797	139	17.5	76.6	5.9	6,135,214	969,758	4,890,626	274,830	15.8	79.7	4.5
Fort Worth	1919	98	85	46	4,452	493	3,577	382	11.1	80.3	8.6	38,160,092	2,798,551	30,316,256	5,045,285	7.3	79.4	13.2
	1914	81	63	36	2,308	326	1,780	202	14.1	77.1	8.8	9,973,882	1,298,353	7,719,095	956,434	13.0	77.4	9.6
Galveston	1919	67	32	19	1,416	358	946	112	25.3	66.8	7.9	14,979,034	2,092,190	12,348,975	537,869	14.0	82.4	3.6
	1914	65	32	19	1,410	333	931	146	23.6	66.0	10.4	8,691,969	894,964	7,278,854	518,151	10.3	83.7	6.0
Greenville	1919	11	9	9	163	61	86	16	37.4	52.8	9.8	4,152,399	1,198,296	2,808,020	146,083	28.9	67.6	3.5
Houston	1919	172	144	67	9,860	853	7,375	1,632	8.7	74.8	16.6	86,874,480	5,675,102	71,985,756	9,213,622	6.5	82.9	10.6
	1914	130	104	42	5,607	583	4,431	593	10.4	79.0	10.6	25,868,010	1,882,598	20,462,935	3,522,477	7.3	79.1	13.6
Laredo	1919	20	5	5	303	121	133	49	39.9	43.9	16.2	704,877	318,784	303,615	82,478	45.2	43.1	11.7
	1914	16	5	7	270	84	144	42	31.1	53.3	15.6	344,811	158,528	123,906	62,377	46.0	35.9	18.1

[1] Includes "iron and steel, welding." [2] Excludes statistics for Port Arthur to avoid disclosure of individual operations. [3] Includes the group "All others."

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.							VALUE OF PRODUCTS.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
MARSHALL	1919	7	11	6	1,670	25	1,619	26	1.5	96.9	1.6	6,904,078	103,175	6,692,520	108,383	1.5	96.9	1.6
	1914	8	15	5	1,166	22	1,134	10	1.9	97.3	0.9	2,099,355	46,861	2,027,243	25,251	2.2	96.6	1.2
PARIS	1919	23	17	12	939	132	711	96	14.1	75.7	10.2	6,079,514	810,765	4,256,026	1,012,723	13.3	70.0	16.7
	1914	17	15	10	513	82	380	51	16.0	74.1	9.9	2,283,875	440,203	1,595,238	248,434	19.3	69.8	10.9
RANGER	1919	7	7	3	170	23	136	11	13.5	80.0	6.5	1,357,517	193,363	1,060,744	103,410	14.2	78.1	7.6
SAN ANGELO	1919	15	7	8	144	48	68	28	33.3	47.2	19.4	453,621	153,120	191,908	108,593	33.8	42.3	23.9
	1914	15	8	7	161	48	86	27	29.8	53.4	16.8	499,148	132,651	241,749	124,748	26.6	48.4	25.0
SAN ANTONIO	1919	190	75	53	6,614	1,834	4,314	466	27.7	65.2	7.0	35,455,578	5,286,687	27,009,848	3,159,043	14.9	76.2	8.9
	1914	143	74	22	4,083	846	3,059	178	20.7	74.9	4.4	17,849,240	2,170,367	15,094,563	584,310	12.2	84.6	3.3
SHERMAN	1919	27	22	4	871	[1] 158	713	.....	18.1	81.9	.....	19,175,558	[1] 844,349	18,331,209	.....	4.4	95.6	.....
	1914	15	15	6	389	46	301	42	11.8	77.4	10.8	7,027,747	160,256	6,739,644	127,847	2.3	95.9	1.8
TEMPLE	1919	22	9	14	412	90	291	31	21.8	70.6	7.5	2,839,366	927,488	1,758,450	153,428	32.7	61.9	5.4
	1914	13	13	11	342	69	247	26	20.2	72.2	7.6	1,451,925	395,646	980,804	75,475	27.2	67.6	5.2
TEXARKANA	1919	4	17	17	802	24	162	616	3.0	20.2	76.8	4,474,319	178,831	539,028	3,756,460	4.0	12.0	84.1
	1914	10	16	3	955	186	749	20	19.5	78.4	2.1	1,994,009	284,461	1,676,331	33,217	14.3	84.1	1.7
TYLER	1919	15	10	8	732	50	646	36	6.8	88.3	4.9	2,615,694	245,078	2,152,515	218,101	9.4	82.3	8.3
	1914	5	8	7	506	12	454	40	2.4	89.7	7.9	896,549	30,937	725,937	139,675	3.4	81.0	15.6
WACO	1919	65	44	25	1,362	236	848	278	17.3	62.3	20.4	13,085,252	1,443,332	9,163,053	2,478,867	11.0	70.0	18.9
	1914	54	45	26	1,125	260	685	180	23.1	60.9	16.0	5,611,737	1,186,105	3,628,556	797,076	21.1	64.7	14.2
WICHITA FALLS	1919	25	15	29	932	108	530	294	11.6	56.9	31.5	16,832,429	756,999	13,859,005	2,216,425	4.5	82.3	13.2
	1914	14	12	5	377	43	250	84	11.4	66.3	22.3	2,572,785	165,117	683,040	1,724,628	6.4	26.5	67.0
ALL OTHER CITIES [2]	1919	75	64	24	4,102	467	3,426	209	11.4	83.5	5.1	22,489,447	2,282,075	17,486,600	2,720,772	10.1	77.8	12.1
	1914	58	52	17	2,683	238	2,369	76	8.9	88.3	2.8	8,826,614	865,739	6,916,380	1,044,495	9.8	78.4	11.8

[1] Includes the group "All others."

[2] "All other cities" include Beaumont, Brownsville, Cleburne, Corpus Christi, Del Rio, and Palestine.

TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Census year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.								THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER.[1]	
			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	1919	.....	29	.....	19	.....	6	.....	4	.....	.....	.....
	1914	.....	24	.....	15	.....	6	.....	3	.....	.....	.....
	1909	.....	20	.....	12	.....	8	.....	.....	.....	.....	.....
Population [2]	1920	4,663,228	1,092,044	23.4	251,239	5.4	275,692	5.9	565,113	12.1	3,571,184	76.6
	1915	4,257,854	801,465	18.8	188,981	4.4	281,398	6.6	331,086	7.8	3,456,389	81.2
	1910	3,896,542	620,712	15.9	147,337	3.8	473,375	12.1	.....	.....	3,275,830	84.1
Number of establishments	1919	5,724	2,667	46.6	591	10.3	689	12.0	1,387	24.2	3,057	53.4
	1914	5,084	2,071	40.7	425	8.4	719	14.1	927	18.2	3,013	59.3
	1909	4,588	1,614	35.2	350	7.6	1,264	27.6	.....	.....	2,974	64.8
Average number of wage earners	1919	107,522	49,823	46.3	11,032	10.3	9,952	9.3	28,839	26.8	57,699	53.7
	1914	74,853	31,789	42.5	7,661	10.2	9,154	12.2	14,974	20.0	43,064	57.5
	1909	70,230	26,303	37.5	6,286	9.0	20,017	28.5	.....	.....	43,927	62.5
Value of products	1919	$999,995,796	$407,670,506	40.8	$72,066,302	7.2	$81,464,400	8.1	$254,139,804	25.4	$592,325,290	59.2
	1914	361,279,303	139,929,138	38.7	26,171,984	7.2	38,974,831	10.8	74,782,323	20.7	221,350,165	61.3
	1909	272,895,635	109,559,057	40.1	19,928,547	7.3	89,630,510	32.8	.....	.....	163,336,578	59.9
Value added by manufacture	1919	298,824,898	137,045,811	45.9	25,234,635	8.4	28,872,642	9.7	82,938,534	27.8	161,779,087	54.1
	1914	108,135,042	53,802,642	49.8	8,989,694	8.3	15,814,566	14.6	28,998,382	26.8	54,332,400	50.2
	1909	94,717,120	42,844,970	45.2	7,074,911	7.5	35,770,059	37.8	.....	.....	51,872,150	54.8

[1] Includes Port Arthur to avoid disclosure of individual operations.

[2] Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of April 15, 1910.

TABLE 16.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE.

CITY AND INDUSTRY.	VALUE OF PRODUCTS. Amount, 1919.	Per cent of total for the state.	Increase over 1914. Amount.	Per cent.
DALLAS.				
Oil and cake, cottonseed	$7,691,521	7.5	(1)	(1)
Bread and other bakery products	4,596,128	22.8	$2,657,118	137.0
Printing and publishing, book and job	4,208,619	35.1	3,091,177	256.0
Printing and publishing, newspapers and periodicals	4,126,321	20.6	2,043,172	98.1
Saddlery and harness	3,904,053	49.9	(1)	(1)
Foundry and machine-shop products [2]	3,615,188	17.3	1,499,638	70.9
Confectionery and ice cream	2,260,145	17.0	1,427,583	171.5
Clothing, men's	1,818,942	27.7	1,092,126	150.3
Automobile bodies and parts	886,070	47.1	841,220	1,875.6
Ice, manufactured	804,608	8.2	378,248	88.7
Mineral and carbonated waters	706,312	11.1	487,247	222.4
Chemicals	647,682	46.4	(1)	(1)
Lumber, planing-mill products, not including planing mills connected with saw-mills	615,683	6.3	8,005	1.3
Automobiles; Bags, other than paper, not including bags made in textile mills; Coffee, roasting and grinding; Coffins, burial cases, and undertakers' goods; Cotton goods; Flour-mill and gristmill products; Furniture, other than rattan, willow, and metal; Mattresses and spring bed, not elsewhere specified; Millinery and lace goods, not elsewhere specified; Slaughtering and meat packing; Structural ironwork, not made in steel works or rolling mills; Waste, cotton	(1)	(1)	(1)	(1)
EL PASO.				
Cars and general shop construction and repairs by steam-railroad companies	3,017,261	7.3	1,696,556	128.5
Printing and publishing, newspapers and periodicals	1,280,629	6.4	773,996	152.8
Bread and other bakery products	1,023,691	5.1	629,851	159.9
Foundry and machine-shop products [2]	921,105	4.4	500,466	119.0
Ice, manufactured	516,394	5.3	280,793	119.2
Boxes, wooden packing, except cigar boxes; Flour-mill and gristmill products; Gas, illuminating and heating; Petroleum, refining; Slaughtering and meat packing	(1)	(1)	(1)	(1)
FORT WORTH.				
Food preparations, not elsewhere specified	2,754,286	15.8	(1)	(1)
Cars and general shop construction and repairs by steam-railroad companies	2,650,817	6.4	2,093,583	375.7
Printing and publishing, newspapers and periodicals	2,506,511	12.5	1,827,803	269.3
Confectionery and ice cream	2,165,793	16.3	(2)	(2)
Foundry and machine-shop products	1,858,942	8.9	1,678,857	932.3
Bread and other bakery products	1,421,318	7.1	1,103,798	347.6
Printing and publishing, book and job	1,323,939	10.8	793,664	149.7
Ice, manufactured	888,110	9.1	595,669	203.7
Automobile repairing	685,558	12.9	.....	.....
Butter; Clothing, men's; Flour-mill and gristmill products	(1)	(1)	(1)	(1)
FORT WORTH—Continued.				
Peanuts, grading, roasting, cleaning, and shelling; Petroleum, refining	(1)	(1)	(1)	(1)
HOUSTON.				
Oil and cake, cottonseed	$9,374,602	9.2	$6,189,499	194.3
Rice, cleaning and polishing	6,661,665	37.2	4,264,661	177.9
Cars and general shop construction and repairs by steam-railroad companies	5,445,508	13.1	(1)	(1)
Foundry and machine-shop products [2]	4,109,403	19.7	2,907,542	241.9
Bread and other bakery products	3,185,516	15.8	2,072,526	180.2
Food preparations, not elsewhere specified	2,873,742	16.5	2,636,591	1,111.8
Coffee, roasting and grinding	2,558,386	32.6	1,506,435	143.2
Printing and publishing, newspapers and periodicals	2,533,983	12.7	1,269,581	100.4
Printing and publishing, book and job	2,210,080	18.1	1,406,226	174.9
Lumber, planing-mill products, not including planing mills connected with saw-mills	1,788,108	18.3	1,370,065	327.7
Furniture	1,500,329	34.1	1,123,061	297.7
Copper, tin and sheet-iron work	1,105,596	26.3	828,769	299.4
Confectionery and ice cream	1,014,180	7.6	816,859	414.0
Ice, manufactured	590,975	6.0	290,660	96.8
Automobiles; Bags, other than paper, not including bags made in textile mills; Brass and bronze products; Butter; Cement; Clothing, men's; Cooperage, hogsheads and barrels; Flour-mill and gristmill products; Liquors, malt, including cereal beverages; Shipbuilding, wooden, including boat building; Slaughtering and meat packing; Structural ironwork, not made in steel works or rolling mills; Tools, not elsewhere specified; Wood preserving	(1)	(1)	(1)	(1)
SAN ANTONIO.				
Printing and publishing	2,858,670	8.9	1,425,291	99.4
Slaughtering and meat packing	2,710,847	2.2	(1)	(1)
Foundry and machine-shop products	2,466,088	11.8	1,490,043	152.7
Cars and general shop construction and repairs by steam-railroad companies	2,455,050	5.9	1,614,921	192.2
Oil and cake, cottonseed	2,083,599	2.0	818,526	64.7
Confectionery and ice cream	1,805,346	13.6	1,111,816	160.3
Mineral and soda waters	1,581,428	24.9	1,459,849	1,200.7
Bread and other bakery products	1,565,727	7.8	955,503	156.6
Lumber, planing-mill products, not including planing mills connected with saw-mills	721,356	7.4	171,973	31.3
Ice, manufactured	692,131	7.1	421,111	155.4
Clothing, men's	665,433	10.1	(1)	(1)
Flour-mill and gristmill products; Gas, illuminating and heating; Petroleum, refining; Pickles, preserves, and sauces; Saddlery and harness; Tobacco, cigars	(1)	(1)	(1)	(1)

[1] Figures can not be shown without disclosing individual operations. [2] Includes "iron and steel, welding."

TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS. 1919	1914	1909	HORSEPOWER. Amount. 1919	1914	1909	Per cent distribution. 1919	1914	1909
Primary power, total	14,977	8,947	6,232	443,207	335,791	282,471	100.0	100.0	100.0
Owned	3,494	3,672	3,789	320,355	292,553	267,167	72.3	87.1	94.6
Steam [1]	2,397	2,541	2,955	281,371	262,200	249,535	63.5	78.1	88.2
Engines	2,298	(2)	(2)	248,653	(2)	(2)	56.1	.....	.....
Turbines	99	(2)	(2)	32,718	(2)	(2)	7.4	.....	.....
Internal-combustion engines	1,063	1,101	802	36,579	28,300	15,745	8.3	8.4	5.6
Water	34	30	32	2,405	2,053	1,887	0.5	0.6	0.7
Water wheels and turbines	27	25	.....	2,370	1,992	.....	0.5	0.6	.....
Water motors	7	5	.....	35	61	.....	(3)	(3)	.....
Rented	11,483	5,275	2,443	122,852	43,238	15,304	27.7	12.9	5.4
Electric	11,483	5,275	2,443	120,539	42,943	14,868	27.2	12.8	5.3
Other	.....	.....	.....	2,313	295	436	0.5	0.1	0.2
Electric	14,561	7,313	3,454	176,553	76,133	36,450	100.0	100.0	100.0
Rented	11,483	5,275	2,443	120,539	42,943	14,868	68.3	56.4	40.8
Generated by establishments reporting	3,078	2,038	1,011	56,014	33,190	21,582	31.7	43.6	59.2

[1] Figures for horsepower include for 1909 the amounts reported under the head of "Other" owned power. [2] Not reported separately. [3] Less than one-tenth of 1 per cent.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 pounds).	COAL. Bituminous (tons, 2,000 pounds).	Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
All industries 1919	38,600	854,231	158,963	10,349,421	30,323	4,883,550
1914	8,890	1,286,179	83,632	5,599,905	(1)	6,040,046
Per cent of increase [2]	334.2	−33.6	90.1	85.4	(1)	−19.1
Automobile repairing	92	980	72	780	752	15,192
Brass and bronze products	7	.....	74	4,831	385	230
Bread and other bakery products	692	4,182	1,768	23,841	1,282	204,092
Brick and tile, terra-cotta, and fire-clay products	2,403	30,725	6,944	345,670	146	925,536
Butter	24	4,827	.....	799	184	933
Cars and general shop construction and repairs by steam-railroad companies	16,779	82,419	656	596,989	4,434	2,493
Cement	.....	50,112	11,396	549,815	.....	273,977
Chemicals	5	22	2,507	14,854	35	643
Confectionery and ice cream	72	6,537	173	21,305	880	87,143
Copper, tin, and sheet-iron work	66	172	15	23	426	4,722
Cotton goods	.....	17,571	.....	35,460	.....	40,577
Flour-mill and gristmill products	62	19,507	1,030	87,413	1,851	141,696
Food preparations, not elsewhere specified	93	14,880	51	13,429	38	14,542
Foundry and machine-shop products	115	10,472	12,791	22,790	1,508	76,962
Gas, illuminating and heating	2,864	25,606	42,728	213,413	.....	29,880
Ice, manufactured	7,133	184,012	21,822	528,805	2,646	980,332
Lime	.....	24,745	1,300	6,551	25	.....
Liquors, malt	.....	7,161	.....	74,399	.....	.....
Lumber and timber products	698	18,179	.....	56,177	1,162	3
Marble and stone work	10	453	4	386	1,431	2,080
Mineral and soda waters	94	2,757	3	36,687	496	10,820
Oil and cake, cottonseed	4,506	204,031	8,525	283,693	1,378	157,337
Paper and wood pulp	.....	13,141	.....	44	.....	14,000
Petroleum, refining	.....	.....	14,203	6,203,637	1,902	954,618
Salt	.....	63,436	4,571	60,000	5	.....
Shipbuilding, wooden, including boat building	.....	4,025	1	40,236	309	31
Slaughtering and meat packing	.....	23,257	8,018	545,885	742	268,952
Wood preserving	.....	7,337	.....	46,261	350	150,706
All other industries	2,885	33,685	20,311	535,188	7,956	526,053
Total for cities [3]	19,754	297,230	61,084	1,886,817	7,737	2,017,377
ABILENE	.....	3	.....	1,289	.....	27,657
AMARILLO	1	4,456	1,189	13,764	470	517
AUSTIN	3,053	21,185	3,110	8,630	299	4,747
BEAUMONT	52	1,643	3,934	45,636	480	11,144
BROWNSVILLE	.....	.....	.....	14,000	52	.....
CLEBURNE	581	7,186	421	75,509	39	585
CORPUS CHRISTI	.....	2,015	263	7,359	1	436
CORSICANA	.....	1,869	688	106,142	15	25,250
DALLAS	104	20,905	2,933	198,197	233	569,222
DEL RIO	.....	1,753	.....	12,985	2	.....
DENISON	.....	5,388	.....	.....	2	45,799
EL PASO	670	48,480	2,763	125,242	226	13,857
FORT WORTH	364	11,226	2,601	249,208	338	313,479
GALVESTON	458	493	2,735	82,436	220	6,002
GREENVILLE	1	19,212	145	7,085	.....	370
HOUSTON	1,197	29,535	19,307	560,339	2,574	18,051
LAREDO	202	1,362	10	.....	4	33,002
MARSHALL	.....	3,217	2,095	11,753	1,815	150,235
PALESTINE	.....	10,717	529	15,165	1	578
PARIS	875	4,848	840	3,208	4	6,770
RANGER	.....	12	.....	710	21	12,978
SAN ANGELO	2	1,332	75	6,070	11	245
SAN ANTONIO	465	47,132	14,352	182,070	526	25,689
SHERMAN	1	10,908	.....	2,844	41	69,212
TEMPLE	139	7,234	15	28,862	38	411
TEXARKANA	6	1,561	.....	26,967	29	363,750
TYLER	10,042	15,015	397	1,532	15	383
WACO	1,541	17,955	2,194	21,071	50	4,647
WICHITA FALLS	.....	588	428	77,835	231	311,651

[1] Included in figures for fuel oils. [2] A minus sign (−) denotes decrease. [3] Excludes figures for Port Arthur to avoid disclosure of individual operations.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for six of these industries in Texas are here presented.

Petroleum, refining (Table 19).—This table shows the quantity and cost of the principal materials used, the quantity and value of the chief products of the petroleum-refining industry in Texas in 1919, and the equipment of the plants.

Measured by value of products, Texas ranked second among the states in petroleum refining, New Jersey ranking first. The industry ranked first among the manufacturing industries of the state. In 1914 the industry was represented by nine establishments, and the state ranked third, being exceeded by New Jersey and California.

TABLE 19.—PETROLEUM, REFINING: 1919.

	Quantity.	Cost.
MATERIALS.		
Total cost		$192,877,963
Crude petroleum ... barrels (42 gallons)	67,260,333	144,157,009
Domestic	59,455,562	
Mexican	7,804,771	
Distillates purchased and rerun ... barrels	6,150,129	18,643,692
Casing-head gasoline ... barrels	1,263,490	11,021,265
Sulphur ... tons	5,271	96,632
Sulphuric acid:		
Purchased ... net tons	25,385	596,796
Made and consumed ... net tons	18,140	
Restored and reused ... net tons	30,790	
Caustic soda ... pounds	9,350,122	409,102
Soda ash ... pounds	5,824,629	154,466
Litharge ... pounds	714,915	72,769
Fuller's earth ... tons	2,865	74,097
Other filtering material		2,381
Containers and materials therefor:		
Wooden		2,917,419
Metal		2,770,882
All other materials, including fuel and rent of power		11,961,453
PRODUCTS.		*Value.*
Total value		$241,757,313
Gasoline ... gallons	581,692,000	110,457,368
Naphtha ... gallons	48,003,700	4,909,501
Benzine ... gallons	2,703,200	350,121
Illuminating oils ... gallons	351,924,000	28,765,944
Fuel oils:		
Distillates ... gallons	82,015,000	4,670,244
Gas oils ... gallons	180,457,000	8,019,303
Residual fuel oils ... gallons	1,295,960,000	38,947,369
Partly refined oils sold for rerunning ... gallons	260,903,000	15,037,199
Lubricating oils:		
Pale or paraffin ... gallons	19,092,000	3,692,339
Red or neutral ... gallons	44,015,000	7,098,689
Cylinder oils ... gallons	6,587,000	1,631,304
All other ... gallons	24,555,000	4,555,676
Liquid asphaltic road oils ... gallons	14,987,000	779,881
Residuum or tar ... gallons	6,440,000	186,636
Greases, lubricating and axle ... gallons	2,823,000	1,039,980
Paraffin wax ... gallons	4,124,000	1,191,522
Asphalt, other than liquid asphalt ... tons	144,380	1,610,641
Coke ... tons	22,850	147,111
All other products		8,666,485
EQUIPMENT.	*Number.*	*Capacity (gallons).*
Stills:		
Steam	141	3,582,000
Fire	673	17,871,000
Pressure	100	840,000
Agitators	146	6,596,000
Chilling houses for paraffin	7	120,000
Filter houses	8	565,000
Hydraulic or other presses	34	267,000
Storage tanks:		
Crude petroleum	189	288,238,000
Refined petroleum products	1,222	403,608,000
Fuel oil	265	178,870,000
Other	661	20,749,000

The total production of refined oils in 1919, the same including the gasoline, naphthas, and benzine, fuel oils, illuminating oils, lubricating oils, and partly refined oils, was 58,257,880 barrels of 50 gallons, as compared with 28,373,545 barrels in 1914, an increase of 105.3 per cent. The refineries used 73,410,462 barrels (42 gallons) of crude petroleum and partially refined oils in 1919 as compared with 35,511,452 barrels in 1914, an increase of 106.7 per cent.

Of the total production of refined oils in 1919, fuel oils constituted 53.5 per cent; gasoline, naphtha, and benzine, 21.7 per cent; illuminating oils, 12.1 per cent; lubricating oils, 3.2 per cent; and partially refined and liquid asphaltic road oils, 9.5 per cent.

Slaughtering and meat packing (Table 20).—This table presents for the census years 1919, 1914, and 1909, the kind, number, and cost of all animals slaughtered, except goats and kids; the cost of all other materials, which includes goats and kids, dressed meat purchased for curing and for making lard compounds, cottonseed oil, butter for making oleomargarine, refrigeration, curing materials, seasoning, fuel, rent of power, containers, mill supplies, and freight; and also the kind, quantity, and value of the principal products that can be shown without disclosing individual operations; and the value of those products that can not be shown separately, which with minor and auxiliary specified products are grouped under "All other products" and include beef, pickled and other cured, canned goods, canned sausage, oleo and neatsfoot oil, oleo stearin, oleomargarine, casings, peanut oil, stock food, meat puddings, scrapple, etc., hoofs and horns, soap, goat and kid skins, other skins (kind not specified), cattle and hog hair, ice, mince meat, and serum.

The increase in total cost of materials from 1914 to 1919 was $62,327,200, or 140.3 per cent; and the increase in the total cost of animals slaughtered was $35,804,530, or 98.4 per cent. The total value of products increased $72,246,851, or 136.5 per cent, in the last census period; the value of fresh meat increased $24,007,030, or 92.4 per cent; and cured meat and other products $48,239,821, or 178.9 per cent.

The actual growth of the industry, however, is indicated by the number of animals slaughtered, which was 1,751,507 in 1919, and 1,554,102 in 1914, an increase of 197,405, or 12.7 per cent, during the census period. The number slaughtered in 1909 was 27,613 more than in 1919.

The industry retains second place in value of products of all manufacturing industries in the state, and tenth place in the slaughtering and meat-packing industry in the United States.

TABLE 20.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$106,751,617	$44,424,417	$37,409,785
Animals slaughtered, cost	$72,184,380	$36,379,850	$28,412,858
Beeves:			
Number	550,550	554,479	527,469
Cost	$39,926,332	$24,219,588	$15,089,886
Calves:			
Number	353,417	145,391	234,172
Cost	$8,815,216	$2,151,433	$2,074,188
Sheep and lambs:			
Number	151,285	284,050	77,805
Cost	$1,524,325	$1,196,295	$315,696
Hogs:			
Number	696,255	570,182	939,674
Cost	$21,918,507	$8,812,534	$10,933,088
All other materials, cost	$34,567,237	$8,044,567	$8,996,927
PRODUCTS.			
Total value	$125,191,873	$52,945,022	$42,529,740
Fresh meat, value	$49,994,585	$25,987,555	$18,142,465
Beef:			
Pounds	223,975,778	206,657,923	208,086,588
Value	$32,768,834	$19,558,106	$12,408,125
Veal:			
Pounds	43,726,133	19,089,516	29,308,086
Value	$6,595,105	$1,969,967	$2,023,885
Mutton and lamb:			
Pounds	6,626,395	11,179,234	2,846,112
Value	$1,327,333	$1,089,533	$266,574
Pork:			
Pounds	31,385,355	23,767,781	32,054,404
Value	$8,244,951	$2,817,212	$3,195,006
Edible offal and all other fresh meat:			
Pounds	11,364,329	7,571,175	2,052,042
Value	$1,058,362	$552,737	$254,877
Cured meat:			
Pork, pickled and other cured—			
Pounds	57,457,320	39,477,022	71,219,957
Value	$17,478,772	$6,186,663	$7,648,463
Sausage:			
Pounds	25,279,960	8,847,610	12,916,425
Value	$5,110,596	$979,923	$1,064,242
Lard:			
Pounds	15,380,667	16,157,440	60,862,980
Value	$4,540,356	$1,790,814	$5,644,149
Lard compounds and substitutes:			
Pounds	88,978,364	72,345,830	(1)
Value	$21,516,238	$6,296,084	(1)
Tallow:			
Pounds	8,278,488	6,079,735	1,453,256
Value	$1,206,128	$363,572	$87,936
Grease and soap stock:			
Pounds	8,678,946	5,502,607	(1)
Value	$579,666	$99,011	(1)
Fertilizer and fertilizer materials:			
Tons	4,904	13,037	15,303
Value	$273,391	$324,236	$435,004
Hides and pelts:			
Cattle—			
Number	550,550	554,479	
Pounds	27,740,834	27,412,468	
Value	$9,061,734	$4,632,686	608,452
Calf—			27,478,301
Number	342,647	110,110	$3,750,416
Pounds	5,236,366	2,044,810	
Value	$2,719,628	$306,994	
Sheep—			
Number	150,768	283,471	77,861
Value	$304,185	$169,759	$54,629
All other products, value	$12,406,594	$5,747,725	$5,702,442

[1] Not reported separately.

Flour-mill and gristmill products (Table 21).—This table gives the quantity and value of the principal kinds of flour-mill and gristmill products for 1919, 1914, and 1909.

Wheat flour was the product of chief value, forming 72.2 per cent of the total value of all products for the industry in 1919 and 62.1 per cent in 1914. The total value of all products for the industry increased $37,954,060, or 108.1 per cent, during the five-year period and the value of wheat flour $30,937,406, or 141.9 per cent. There was only a small increase, however, in the number of barrels of flour, 494,501 barrels, or 12.1 per cent. Corn meal and corn flour and feed and offal show increases in value and decreases in quantity during the census period 1914–1919.

TABLE 21.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value	$73,004,361	$35,110,301	$32,484,612
Wheat flour:			
Barrels	4,583,879	4,089,378	3,342,035
Value	$52,743,029	$21,805,623	$19,124,834
Rye flour:			
Barrels	834	813	1,551
Value	$8,382	$4,117	$9,069
Corn meal and corn flour:			
Barrels	713,288	1,042,654	877,314
Value	$5,848,489	$3,729,947	$2,875,994
Bran and middlings:			
Tons	183,437	167,091	(1)
Value	$9,003,816	$4,203,561	(1)
Feed and offal:			
Tons	87,014	171,510	400,290
Value	$5,418,824	$5,225,761	$10,429,925
All other cereal products, value	$15,052	$785	$18,392
All other products, value	$26,760	$140,507	$26,398

[1] Included in "Feed and offal."

Lumber and timber products (Table 22).—This table presents statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. The production of lumber in Texas has long been of great importance. The annual output has exceeded one billion feet since 1905. The largest cut of record, 2,229,590,000 feet, was reported for 1907.

In 1919 Texas ranked eighth among the states in the production of lumber and in 1914 and 1909, seventh. The cut for 1919 decreased 11.2 per cent compared with that for 1914 and 34.3 per cent compared with that for 1909.

This state ranked fourth in 1919 in the production of yellow pine lumber, reporting 1,330,734,000 feet. This was 96.4 per cent of the total cut for the state from all species. The cut of oak lumber was next in importance with 28,605,000 feet, or 2.1 per cent of the total. Among other species sawed into lumber in considerable quantities were gum, cypress, tupelo, maple, and ash.

TABLE 22.—LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY.[1]		
	1919	1914	1909
Lumber ... M feet b. m.	1,379,774	1,554,005	2,099,130
Lath ... thousands	35,916	(2)	59,027
Shingles ... thousands	13,581	(2)	137,719

[1] The output of custom mills is included in 1919 and 1909, but not in 1914.
[2] Not reported.

Printing and publishing (Table 23).—The number and aggregate circulation per issue for all newspapers and periodicals published in Texas as reported at the censuses of 1919, 1914, and 1909 are presented in this table.

The total circulation of all newspapers and periodicals increased by 131,768, or 4.7 per cent, for the five-year period 1914–1919, and by 783,928, or 35.9 per cent, for the decade.

The decrease shown in number of newspapers is due to the disappearance of many weeklies. In some instances weeklies grew into dailies, this class increasing by 8 during the five years and by 16 during the decade. The circulation of daily newspapers increased by 127,967, or 21 per cent, from 1914 to 1919, and by 407,850, or 123.4 per cent, for the decade. In 1919, 77 dailies with a circulation of 437,447, or 59.2 per cent of the total daily circulation, were published in the afternoon. This is an increase of 93,301, or 27.1 per cent, for the five years and of 273,290, or 166.5 per cent, for the decade. During the period from 1914 to 1919, the circulation of Sunday newspapers increased by 99,586, or 21.6 per cent, and during the 10 years by 259,345, or 85.8 per cent.

The foreign-language publications numbered 40 in 1919, compared with 58 in 1914 and 57 in 1909. The aggregate circulation per issue of these in 1919 was 137,633; in 1914, 159,639 and in 1909, 144,771. In 1919, 6 of these foreign-language publications were dailies—2 morning and 4 afternoon, all in Spanish with a circulation of 39,183. There was also a Spanish Sunday publication. Of the 26 weeklies, 10 were in Spanish, 10 in German, 3 in Czecho-Slovak, 1 in Bohemian, 1 in Swedish, and 1 in English and Spanish. There were 2 semiweeklies, 1 in Spanish and 1 in Czecho-Slovak; 1 semimonthly in Spanish; 3 monthly publications, 1 in Bohemian, 1 in German, and 1 in Spanish.. The only quarterly was in Spanish. The Spanish publications numbered 21 and had a circulation of 88,033; the German, 11 with a circulation of 25,950; the Czecho-Slovak, 4 with a circulation of 14,350; and the Bohemian, 2.

TABLE 23.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total	894	1,005	962	2,964,850	2,833,082	2,180,922
Daily	115	107	99	738,412	610,445	330,562
Sunday	46	32	30	561,534	461,948	302,189
Semiweekly [1]	23	29	28	275,176	221,852	265,816
Weekly	636	762	728	894,394	1,125,376	964,524
Semimonthly	7	7	10	82,700	34,326	58,281
Monthly	64	65	64	407,384	375,035	256,700
Quarterly [2]	3	3	3	5,250	4,100	2,850

[1] Includes in 1909 1 triweekly.
[2] Includes in 1919 1 bimonthly, and in 1914 1 bimonthly and 1 semiannual.

Rice, cleaning and polishing (Table 24).—This table covers the operations of all establishments engaged primarily in the milling of rice, including statistics for establishments engaged in the milling of rice on a custom basis.

TABLE 24.—RICE CLEANING AND POLISHING: 1919, 1914, AND 1909.

MATERIAL AND PRODUCT.	1919	1914	1909
Rough rice treated, pounds	319,765,950	315,169,065	371,816,370
PRODUCTS.			
Total value	$17,900,547	$7,216,359	$8,142,438
Clean rice:			
Pounds	210,826,438	206,724,899	236,117,295
Value	$15,486,109	$6,840,320	$7,571,780
Polish:			
Pounds	7,420,561	9,856,739	10,402,638
Value	$194,515	$107,198	$132,258
Bran:			
Pounds	27,964,999	29,251,625	29,505,946
Value	$498,210	$228,199	$276,535
All other products, value	$1,721,713	$40,642	$161,865

Laundries (Table 25).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries.

TABLE 25.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1914–1919.
	1919	1914	
Number of establishments	171	185	−7.6
Persons engaged	6,321	5,254	20.3
Proprietors and firm members	175	221	−20.8
Salaried employees	678	428	58.4
Wage earners (average number)	5,468	4,605	18.7
Primary horsepower	5,918	6,063	−2.4
Capital	$5,582,909	$3,443,394	62.1
Salaries and wages	4,350,241	2,603,511	67.1
Salaries	950,709	485,562	95.8
Wages	3,399,532	2,117,949	60.5
Paid for contract work	23,515	21,576	9.0
Rent and taxes	261,333	134,847	93.8
Cost of materials	2,070,297	1,071,622	93.2
Amount received for work done	9,249,915	5,521,841	67.5

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

Dyeing and cleaning (Table 26).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 26.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments	97
Persons engaged	838
Proprietors and firm members	125
Salaried employees	99
Wage earners (average number)	614
Primary horsepower	798
Capital	$914,340
Salaries and wages	783,334
Salaries	143,036
Wages	640,298
Paid for contract work	44,055
Rent and taxes	93,069
Cost of materials	339,770
Amount received for work done	1,910,999

Custom sawmills and custom gristmills (Tables 27 and 28).—Statistics for custom sawmills and custom gristmills are not included in the general tables nor in the totals for manufacturing industries. Data for

custom mills were not collected in 1914. Tables 27 and 28, however, summarize the statistics for such mills for 1919 and 1909. The value of products for custom sawmills represent the amount charged for the work performed, and for custom gristmills, the selling value of the grain milled.

TABLE 27.—CUSTOM SAWMILLS: 1919.

	Number or amount.
Number of establishments	9
Persons engaged	16
Proprietors and firm members	13
Wage earners	3
Primary horsepower	400
Capital	$13,280
Wages	1,678
Rent and taxes	129
Cost of materials	489
Amount received for work done	4,225

TABLE 28.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1909–1919.
	1919	1909	
Number of establishments	325	412	−21.1
Persons engaged	500	969	−48.4
Proprietors and firm members	397	561	−29.2
Salaried employees	17	4	.....
Wage earners (average number)	86	404	−78.7
Primary horsepower	8,432	14,341	−41.2
Capital	$827,652	$449,944	83.9
Salaries and wages	60,526	29,162	107.6
Salaries	9,358	784	1,093.6
Wages	51,168	28,378	80.3
Contract work	355	.....	.....
Rent and taxes	11,401	(2)	(2)
Cost of materials[3]	1,113,766	745,361	49.4
Value of products[3]	1,426,911	924,427	54.4

[1] A minus sign (—) denotes decrease. Percentages are omitted where base is less than 100.
[2] Figures not available.
[3] Includes estimate of all grain ground.

GENERAL TABLES.

Table 29 gives for 1919, 1914, and 1909 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 Dallas, El Paso, Fort Worth, Houston, and San Antonio, and, for the cities having from 10,000 to 50,000 inhabitants, similar data for all industries combined.

Table 30 presents for 1919, for the state as a whole and for Dallas, El Paso, Fort Worth, Houston, and San Antonio statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and for cities having from 10,000 to 50,000 inhabitants, similar data for all industries combined.

TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

INDUSTRY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
All industries	1919	5,724	107,522	443,207	$116,404	$701,171	$999,996
	1914	5,084	74,853	335,791	44,821	253,144	361,279
	1909	4,588	70,230	282,471	37,907	178,179	272,896
Artificial stone products	1919	23	340	262	236	216	573
	1914	25	100	67	62	61	186
	1909	33	133	51	70	86	239
Automobile bodies and parts	1919	72	480	626	557	753	1,881
	1914	9	35	34	33	39	105
Awnings, tents, and sails	1919	13	128	84	68	939	1,308
	1914	16	108	88	49	288	429
Brass and bronze products	1919	7	122	249	139	1,016	1,467
	1914	7	91	189	63	351	495
	1909	8	112	146	61	309	518
Bread and other bakery products	1919	610	2,752	2,792	2,502	12,700	20,154
	1914	530	1,949	2,325	1,095	4,142	7,503
	1909	385	1,991	1,281	671	3,062	5,311
Brick, tile, pottery, and other clay products	1919	68	1,703	9,305	1,370	1,361	4,265
	1914	81	1,811	8,866	801	934	2,378
	1909	106	2,355	8,411	980	961	3,142
Brooms, from broom corn	1919	45	225	228	199	733	1,247
	1914	31	177	149	95	264	460
	1909	32	184	119	80	210	394
Butter	1919	31	200	953	202	5,966	7,161
	1914	51	174	1,360	115	1,752	2,281
	1909	36	84	477	40	530	660
Canning and preserving [1]	1919	27	354	550	155	1,129	1,913
	1914	22	213	423	79	630	1,211
	1909	19	158	243	45	201	498
Cars and general shop construction and repairs by electric-railroad companies	1919	18	567	1,713	494	378	925
	1914	19	583	2,354	416	268	735
	1909	14	230	529	130	120	278
Cars and general shop construction and repairs by steam-railroad companies	1919	85	16,703	17,233	24,199	14,270	41,487
	1914	63	10,915	13,205	7,826	5,978	15,276
	1909	62	9,782	7,335	6,715	5,546	13,359
Cement	1919	5	641	16,390	568	1,643	4,743
	1914	4	583	13,150	371	1,264	2,331
	1909	3	362	7,700	261	403	855
Clothing, men's [2]	1919	32	1,606	412	965	3,715	6,568
	1914	18	1,062	260	394	1,285	2,086
	1909	25	992	359	312	1,007	1,759
Clothing, women's	1919	10	192	42	110	415	703
	1914	4	67	20	31	88	155
Coffee, roasting and grinding	1919	41	258	716	211	6,000	7,851
	1914	36	145	619	83	2,553	3,326
	1909	24	135	429	66	1,740	2,226
Confectionery and ice cream	1919	193	1,950	4,368	1,407	8,229	13,309
	1914	124	980	1,921	413	2,054	3,594
	1909	49	717	607	218	1,459	2,451
Cooperage	1919	9	276	833	245	1,724	2,205
	1914	6	218	511	93	595	769
	1909	11	243	346	98	488	719
Copper, tin, and sheet-iron work	1919	215	740	397	883	2,231	4,207
	1914	247	728	287	561	1,017	2,238
	1909	168	733	211	532	1,081	2,214
Cotton goods	1919	15	2,633	14,210	1,840	9,315	13,020
	1914	12	1,875	5,948	675	2,643	3,755
	1909	13	1,590	4,835	501	1,793	2,815
Fertilizers	1919	9	190	1,404	190	1,101	1,593
	1914	8	101	522	63	366	638
	1909	3	9	53	3	49	57
Flour-mill and gristmill products	1919	222	1,567	23,854	1,681	63,400	73,064
	1914	191	1,300	19,968	798	29,573	35,110
	1909	238	1,216	20,765	669	28,657	32,485
Food preparations	1919	58	635	3,546	483	14,578	17,389
	1914	26	317	1,258	136	3,332	4,052
	1909	23	284	1,322	108	4,580	5,229
Foundry and machine-shop products. [3]	1919	552	5,654	11,765	6,916	14,344	29,386
	1914	177	3,036	7,810	2,108	4,021	8,782
	1909	143	2,925	5,287	1,925	3,859	8,068
Furniture	1919	22	710	1,846	684	2,278	4,394
	1914	25	577	1,848	355	502	1,237
Gas, illuminating and heating	1919	25	643	3,622	$628	$1,587	$3,614
	1914	27	613	1,759	354	768	2,185
	1909	27	575	1,090	288	545	1,644
Ice, manufactured	1919	265	2,362	55,879	2,223	3,145	9,811
	1914	255	1,926	42,271	1,138	1,660	5,328
	1909	182	1,437	29,905	839	1,092	3,844
Leather goods [4]	1919	80	1,044	456	1,081	5,464	8,320
	1914	87	640	377	429	2,482	3,567
	1909	67	721	601	463	2,839	4,347
Lime	1919	7	226	596	227	323	798
	1914	8	262	439	105	115	347
	1909	11	348	534	123	143	390
Liquors, malt	1919	6	286	4,476	334	1,080	2,143
	1914	13	958	9,063	806	2,929	8,471
	1909	12	765	7,817	566	1,695	6,464
Lumber and timber products [5]	1919	615	20,283	87,654	20,436	22,641	61,282
	1914	587	19,956	73,752	10,904	11,640	28,741
	1909	799	23,518	88,031	11,602	11,004	32,201
Marble and stone work	1919	126	459	1,821	539	882	2,159
	1914	135	464	1,531	358	523	1,367
	1909	107	605	1,016	425	502	1,443
Mattresses and spring beds, not elsewhere specified.	1919	86	431	1,029	332	1,757	2,910
	1914	59	283	909	152	602	1,060
	1909	50	233	587	118	362	658
Mineral and soda waters	1919	258	880	3,470	831	3,336	6,360
	1914	262	545	1,190	277	902	1,913
	1909	212	400	538	185	473	1,284
Oil and cake, cottonseed	1919	200	4,472	70,743	3,337	87,133	102,112
	1914	233	4,471	60,772	2,087	36,177	41,945
	1909	194	3,073	45,185	1,296	23,439	29,916
Optical goods	1919	18	105	59	100	197	649
	1914	8	29	30	26	88	206
	1909	4	16	15	11	66	115
Paints	1919	8	52	316	54	515	1,019
	1914	8	35	165	21	159	284
	1909	6	26	82	19	63	114
Patent medicines and compounds and druggists' preparations. [6]	1919	68	301	108	208	997	2,506
	1914	61	116	97	52	288	740
	1909	59	145	51	62	411	1,014
Peanuts, grading, roasting, cleaning, and shelling.	1919	9	179	1,257	99	1,704	2,055
	1914	5	66	290	18	198	248
Printing and publishing [7]	1919	1,087	5,594	8,096	6,003	11,126	32,687
	1914	1,188	4,090	6,111	3,557	3,997	15,051
	1909	1,067	4,408	4,392	2,785	2,807	11,587
Rice, cleaning and polishing	1919	14	423	7,998	414	13,809	17,901
	1914	16	345	5,365	199	6,366	7,216
	1909	19	430	6,274	189	7,122	8,142
Salt	1919	3	277	1,656	307	480	1,016
	1914	3	140	809	75	227	425
	1909	6	162	447	82	216	407
Shipbuilding, wooden, including boat building.	1919	21	6,068	6,026	7,566	8,323	19,246
	1914	14	168	316	123	279	474
	1909	6	36	21	30	34	76
Slaughtering and meat packing. [8]	1919	25	5,084	14,096	5,768	106,882	125,364
	1914	21	3,491	12,313	2,073	44,457	52,990
	1909	14	3,639	11,330	1,902	37,410	42,530
Tobacco, cigars	1919	42	1,156	3	400	819	1,679
	1914	66	344	3	159	240	602
	1909	67	339	7	141	182	509
Turpentine and rosin	1919	10	1,018	64	696	518	3,301
	1914	6	809	21	207	98	608
	1909	3	219	10	80	42	218
Vinegar	1919	7	64	37	56	384	782
	1914	6	28	69	17	228	455
Wall plaster	1919	3	248	1,715	247	297	1,098
	1914	3	200	1,102	114	170	488
Wood preserving	1919	7	754	3,957	821	4,691	6,265
	1914	6	350	2,950	227	2,641	3,096
	1909	6	417	1,595	215	3,315	3,859
All other industries	1919	352	14,487	54,295	17,393	254,607	323,206
	1914	275	6,779	25,900	4,628	71,910	84,340
	1909	275	5,083	22,437	3,001	28,276	38,857

[1] Includes "canning and preserving, fruits and vegetables," and "pickles, preserves, and sauces."
[2] Includes shirts for 1909.
[3] Includes "automobile repairing," "iron and steel, welding," and "structural ironwork, not made in steel works or rolling mills," in all years; and "hardware, saddlery," in 1914 and 1909.
[4] Includes "saddlery and harness," and "trunks and valises," but excludes "leather goods, not elsewhere specified."
[5] Includes "boxes, wooden packing"; "lumber, planing-mill products"; and "window and door screens."
[6] Includes "perfumery and cosmetics."
[7] Includes "bookbinding and blank-book making," and "engraving, steel and copper plate, including plate printing," but excludes "printing and publishing, music."
[8] Includes "sausage, not made in slaughtering and meat-packing establishments."

TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

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

INDUSTRY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
DALLAS All industries.	1919	457	7,913	23,197	$7,963	$65,503	$93,650
	1914	412	5,284	15,517	3,464	19,570	31,065
	1909	305	4,882	13,808	2,604	16,966	26,959
Automobile bodies and parts	1919	17	224	144	270	347	886
	1914	3	16	3	16	17	45
Bread and other bakery products.	1919	39	612	653	514	2,698	4,596
	1914	35	513	917	257	987	1,939
	1909	21	384	483	116	894	1,496
Clothing, men's	1919	9	636	119	400	969	1,819
	1914	5	370	107	147	429	727
	1909	3	200	38	55	230	377
Confectionery and ice cream	1919	15	314	775	215	1,316	2,260
	1914	15	223	582	103	475	833
Copper, tin, and sheet-iron work.	1919	14	96	76	129	396	681
	1914	20	101	98	81	229	443
	1909	14	130	82	102	279	483
Foundry and machine-shop products.[1]	1919	48	654	1,257	742	1,839	3,989
	1914	24	756	1,179	560	1,041	2,499
	1909	14	691	1,054	420	1,033	2,130
Ice, manufactured	1919	11	148	4,136	176	237	805
	1914	8	130	2,755	76	144	426
	1909	7	106	2,771	66	77	276
Jewelry	1919	7	58	22	98	74	248
	1914	10	35	22	45	25	111
Lumber and timber products[2]	1919	16	244	793	230	580	1,113
	1914	18	190	335	145	419	690
	1909	11	213	405	153	437	720
Marble and stone work	1919	6	60	266	80	122	340
	1914	7	57	275	46	116	224
	1909	8	73	208	52	58	160
Mineral and carbonated waters.	1919	7	51	110	59	389	706
	1914	8	47	31	27	125	219
Optical goods	1919	4	39	16	56	88	369
	1914	3	16	14	14	60	130
Patent medicines and compounds.	1919	10	10	3	7	64	145
	1914	14	24	28	12	37	108
Printing and publishing[3]	1919	116	961	1,350	1,164	3,221	8,780
	1914	122	708	1,018	660	1,145	3,339
	1909	88	731	760	461	802	2,927
All other industries	1919	138	3,806	13,477	3,823	53,163	66,913
	1914	120	2,098	8,153	1,275	14,321	19,332
	1909	139	2,354	8,007	1,179	13,156	18,390
EL PASO All industries.	1919	208	3,912	10,848	3,886	8,862	16,650
	1914	117	2,347	6,778	1,663	2,873	6,135
	1909	88	1,752	3,396	1,093	1,496	3,638
Bread and other bakery products.	1919	24	154	65	146	656	1,024
	1914	15	103	46	60	241	394
Cars and general shop construction and repairs by steam-railroad companies.	1919	4	1,387	910	1,854	977	3,017
	1914	4	836	920	642	453	1,321
Copper, tin, and sheet-iron work.	1919	7	46	61	46	142	234
	1914	4	31	24	33	64	117
Foundry and machine-shop products.[4]	1919	30	446	601	428	598	1,269
	1914	6	178	537	131	190	421
Ice, manufactured	1919	4	120	2,615	79	154	516
	1914	3	74	1,565	46	64	236
Jewelry	1919	4	12	4	20	13	44
	1914	6	19	8	25	16	60
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	4	151	336	148	236	455
	1914	3	78	210	66	100	211
Mineral and carbonated waters.	1919	8	54	50	39	118	228
	1914	4	18	16	11	27	81
Printing and publishing	1919	33	284	238	299	651	1,688
	1914	22	208	199	173	152	709
All other industries	1919	81	1,258	5,968	827	5,317	8,157
	1914	50	802	3,253	476	1,566	2,585
FORT WORTH All industries.	1919	229	4,452	14,234	$5,082	$25,657	$38,160
	1914	180	2,308	7,815	1,542	5,832	9,974
	1909	147	2,050	6,614	1,285	5,266	8,661
Bread and other bakery products.	1919	17	173	112	190	945	1,421
	1914	13	85	73	55	202	318
	1909	17	99	101	62	181	314
Copper, tin, and sheet-iron work.	1919	8	72	6	49	120	238
	1914	12	43	8	47	81	175
	1909	7	44	8	35	71	150
Foundry and machine-shop products.	1919	10	412	1,092	527	1,086	1,859
	1914	11	64	224	57	67	180
	1909	9	58	155	40	75	175
Ice, manufactured	1919	9	176	4,434	207	253	888
	1914	9	106	2,543	91	112	292
	1909	6	75	1,615	60	98	269
Marble and stone work	1919	4	20	106	25	71	128
	1914	6	27	140	19	28	75
Printing and publishing	1919	42	555	844	653	1,436	3,830
	1914	27	315	576	251	391	1,209
	1909	24	213	346	175	178	722
All other industries	1919	139	3,044	7,640	3,431	21,746	29,796
	1914	102	1,668	4,251	1,022	4,951	7,725
	1909	84	1,570	4,389	894	4,663	7,031
HOUSTON All industries.	1919	383	9,860	31,416	10,402	57,792	86,874
	1914	276	5,607	18,004	3,590	16,124	25,868
	1909	249	5,338	14,806	3,260	14,321	23,016
Automobile bodies and parts	1919	7	113	231	112	165	364
	1914	3	9	5	8	13	35
Bread and other bakery products.	1919	33	525	450	300	1,999	3,186
	1914	22	291	405	161	631	1,113
	1909	23	221	92	114	412	724
Carriages and wagons, including repairs.	1919	3	15	10	14	16	41
	1914	5	21	150	13	14	37
	1909	11	99	68	68	69	201
Coffee, roasting and grinding	1909	5	59	165	44	2,100	2,558
	1914	6	43	175	23	793	1,052
Confectionery and ice cream	1919	9	151	560	102	766	1,014
	1914	9	51	149	25	132	197
Copper, tin, and sheet-iron work.	1919	24	150	45	180	601	1,106
	1914	22	105	14	79	121	277
	1909	21	138	15	98	118	305
Food preparations, not elsewhere specified.	1919	11	94	506	78	2,029	2,874
	1914	6	57	141	21	181	237
Foundry and machine-shop products.[1]	1919	55	823	2,297	998	2,378	4,571
	1914	24	443	1,726	264	509	1,281
	1909	21	488	1,074	298	782	1,444
Furniture	1919	6	247	691	230	844	1,500
	1914	4	193	525	118	127	377
Ice, manufactured	1919	6	119	2,376	145	141	591
	1914	4	84	1,651	67	80	300
Lumber and timber products.[5]	1919	15	534	1,186	450	1,131	2,106
	1914	13	220	601	114	234	450
	1909	12	369	809	211	575	1,081
Mattresses and spring beds, not elsewhere specified.	1919	6	54	131	43	170	299
	1914	6	35	105	23	62	107
Mineral and carbonated waters	1919	9	50	59	39	156	334
	1914	9	46	91	26	56	109
Oil and cake, cottonseed	1919	5	276	4,315	235	8,008	9,375
	1914	4	276	3,030	138	2,784	3,185
	1909	4	209	3,801	109	2,859	3,555
Patent medicines and compounds.	1919	8	17	10	8	26	82
	1914	7	7	2	4	17	117
Printing and publishing	1919	60	575	1,052	717	1,741	4,744
	1914	56	552	963	473	528	2,068
	1909	44	443	713	383	865	1,449
Rice, cleaning and polishing	1919	5	143	2,905	125	5,128	6,662
	1914	5	111	1,756	64	2,109	2,397
All other industries	1919	116	5,915	14,427	6,453	30,393	45,467
	1914	71	3,063	6,455	1,969	7,733	12,529
	1909	113	3,311	8,294	1,979	9,141	14,257

[1] Includes "automobile repairing" and "iron and steel, welding," in all years; and also "structural ironwork, not made in steel works or rolling mills," in 1914 and 1909.
[2] Includes "lumber, planing-mill products, not including planing mills connected with sawmills," in all years; "window and door screens and weather strips," in 1919, and 1914; and "boxes, wooden packing," in 1919 and 1909.
[3] Includes "engraving, steel and copper plate, including plate printing," in all years; and also "bookbinding and blank-book making," in 1919 and 1914.
[4] Includes "iron and steel, welding," in both years; and "automobile repairing" in 1919.
[5] Includes "lumber, planing-mill products, not including planing mills connected with sawmills," "boxes, wooden packing," and "window and door screens and weather strips" in all years.

TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

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

INDUSTRY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
SAN ANTONIO All industries.	1919	318	6,614	13,040	$5,794	$22,249	$35,456
	1914	239	4,083	8,859	2,412	10,090	17,849
	1909	194	3,105	6,908	1,760	6,952	13,435
Bread and other bakery products.	1919	43	212	211	221	1,066	1,566
	1914	31	205	114	105	360	610
	1909	32	135	102	76	307	565
Cars and general shop construction and repairs by steam-railroad companies.	1919	3	1,215	627	1,645	678	2,455
	1914	3	615	139	395	412	840
	1909	3	557	243	416	253	736
Coffee, roasting and grinding.	1919	8	15	55	15	367	487
	1914	5	21	46	13	160	207
Confectionery and ice cream.	1919	11	337	617	233	1,006	1,805
	1914	8	237	140	88	406	694
Copper, tin, and sheet-iron work.	1919	11	50	35	60	85	199
	1914	11	79	15	54	72	175
	1909	7	53	15	39	41	108
Foundry and machine-shop products.[1]	1919	26	556	759	604	1,576	2,814
	1914	15	348	461	231	581	1,059
	1909	7	230	217	139	160	399
Ice, manufactured	1919	7	225	1,442	204	220	692
	1914	6	124	913	63	92	271
	1909	4	54	227	33	53	168
SAN ANTONIO—Con.							
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	6	210	502	$184	$338	$721
	1914	8	165	484	105	351	549
	1909	7	138	360	89	104	237
Marble and stone work	1919	7	36	134	46	56	137
	1914	6	63	125	40	43	124
	1909	5	64	65	45	20	98
Mattresses and spring beds, not elsewhere specified.	1919	10	25	38	16	92	134
	1914	7	24	45	13	41	66
Mineral and soda waters	1919	9	172	2,281	259	870	1,581
	1914	5	23	17	12	62	122
Oil and cake, cottonseed	1919	3	105	1,435	81	1,835	2,084
	1914	4	146	910	61	1,060	1,265
Patent medicines and compounds.	1919	7	32	11	19	39	77
	1914	3	3	5	1	8	27
Printing and publishing	1919	55	681	642	575	1,006	2,859
	1914	48	391	398	305	336	1,433
	1909	39	383	328	219	217	982
All other industries	1919	112	2,743	4,251	1,632	13,015	17,845
	1914	79	1,639	5,047	926	6,106	10,407
	1909	90	1,491	5,351	704	5,797	10,142

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

ABILENE	1919	22	130	469	$106	$452	$766
	1914	18	107	502	69	165	311
AMARILLO	1919	42	496	1,612	673	808	1,897
	1914	36	311	1,791	255	509	986
AUSTIN	1919	91	745	3,302	699	2,867	4,996
	1914	114	891	4,824	611	1,714	3,371
	1909	108	754	2,211	415	1,627	2,846
BEAUMONT	1919	69	1,585	7,265	1,975	10,323	14,922
	1914	67	1,073	5,580	674	3,442	5,191
	1909	56	863	4,596	645	3,444	4,831
BROWNSVILLE	1919	18	119	770	91	339	505
	1914	14	76	486	25	74	167
	1909	9	51	414	19	46	121
CLEBURNE	1919	33	1,127	1,757	1,496	1,387	3,335
	1914	26	886	1,541	654	1,359	2,246
	1909	24	825	1,499	533	859	1,577
DENISON	1919	42	1,084	3,806	1,580	3,027	5,078
	1914	30	954	3,652	609	1,175	2,069
	1909	29	833	2,306	516	593	1,314
GALVESTON	1919	118	1,416	7,643	1,692	10,581	14,979
	1914	116	1,410	7,504	955	5,716	8,692
	1909	81	1,094	3,633	707	4,267	6,308
LAREDO	1919	30	303	584	238	267	705
	1914	28	270	530	105	144	345
	1909	23	213	353	87	74	221
MARSHALL	1919	24	1,670	1,533	2,119	4,269	6,904
	1914	28	1,166	1,963	691	1,066	2,099
	1909	22	977	1,326	653	803	1,787
PALESTINE	1919	17	1,084	1,960	$1,353	$1,163	$2,810
	1914	20	648	1,302	504	584	1,222
	1909	20	745	1,209	481	622	1,313
PARIS	1919	52	939	3,788	711	3,874	6,080
	1914	42	513	2,220	272	1,538	2,284
	1909	45	541	2,489	247	862	1,430
SAN ANGELO	1919	30	144	743	137	193	454
	1914	30	161	937	104	267	499
	1909	26	115	608	71	133	318
SHERMAN	1919	53	871	4,314	699	16,072	19,176
	1914	36	389	2,366	221	5,864	7,028
	1909	36	273	2,150	136	4,047	4,676
TEMPLE	1919	45	412	1,841	467	1,799	2,839
	1914	37	342	1,566	237	958	1,452
	1909	37	366	1,616	215	834	1,346
TEXARKANA	1919	38	802	3,519	788	2,590	4,474
	1914	29	955	2,669	514	1,115	1,994
TYLER	1919	33	732	2,289	898	1,251	2,616
	1914	20	506	1,332	313	449	897
	1909	23	484	769	288	536	996
WACO	1919	134	1,362	4,981	1,272	8,294	13,085
	1914	125	1,125	5,452	699	3,583	5,612
	1909	92	1,033	3,669	588	2,965	4,709
WICHITA FALLS	1919	69	932	3,519	1,343	11,665	16,832
	1914	31	377	2,085	254	1,915	2,573

[1] Includes "automobile repairing."

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	5,724	130,011	5,393	6,104	9,204	2,688	107,522	De 114,416	Ap 101,390	(2)	(2)	(2)	(2)	(2)	Dollars. 585,776,451
2	Artificial limbs	4	19	4	2	1	2	10	No [4] 11	Ja [4] 9	11	10	1	.....	.....	39,000
3	Artificial stone products	23	391	24	14	8	5	340	Se 380	Ja 301	364	362	.....	2	.....	415,933
4	Automobile bodies and parts	72	620	85	30	12	13	480	De 573	Fe 412	581	560	17	4	.....	975,356
5	Automobile repairing	334	1,856	448	86	42	26	1,254	Oc 1,340	Ja 1,133	1,373	1,353	8	12	.....	2,881,206
6	Awnings, tents, and sails	13	179	14	12	23	2	128	My 140	Ja 115	129	47	82	.....	.....	689,927
7	Bags, other than paper, not including bags made in textile mills.	6	463	2	14	38	37	372	Je 456	Mh 306	391	121	270	.....	.....	2,748,517
8	Bookbinding and blank-book making.	8	176	7	4	3	3	159	De 171	Fe [4] 153	170	34	136	.....	.....	130,102
9	Boots and shoes	11	112	12	9	1	2	88	Oc [4] 95	Ja [4] 82	96	90	5	1	.....	227,309
10	Boxes, wooden packing, except cigar boxes.	19	1,182	12	45	16	8	1,101	Au 1,189	Ja 995	1,192	998	189	5	.....	2,249,136
11	Brass and bronze products	7	150	5	12	9	2	122	Oc 136	Je 110	125	111	.....	14	.....	259,090
12	Bread and other bakery products	610	4,101	725	162	323	139	2,752	De 3,110	Fe 2,521	3,150	2,273	843	28	6	8,068,449
13	Brick and tile, terra-cotta, and fire-clay products.	58	1,905	24	125	71	22	1,663	.....	.....	1,900	1,891	7	2	.....	6,682,576
14	Building brick, fancy, ornamental, vitrified, glazed, and enameled.	47	1,351	19	94	43	2	1,193	Au 1,467	Ja 998	1,370	1,368	.....	2	.....	5,033,571
15	Terra-cotta products	7	200	3	16	6	6	169	Au 251	Ja 97	220	220	.....	.....	.....	782,547
16	All other	4	354	2	15	22	14	301	Au 341	De 234	310	303	7	.....	.....	866,458
17	Brooms, from broom corn	45	319	43	22	25	4	225	De 261	Mh [4] 205	255	226	26	2	1	542,968
18	Butter	31	326	26	25	46	29	200	Au 229	Ja 104	210	178	31	1	.....	1,815,106
19	Canning and preserving, fruits and vegetables.	9	164	8	16	16	4	120	Je 238	Fe 53	198	75	123	.....	.....	530,757
20	Carriages and wagons, including repairs.	15	126	19	5	2	2	98	.....	.....	99	98	.....	1	.....	204,803
21	Carriages and wagons	5	82	6	4	1	1	70	My [4] 72	Mh 66	70	69	.....	1	.....	161,194
22	Repair work exclusively	10	44	13	1	1	1	28	Ap [4] 29	Fe 24	29	29	.....	.....	.....	43,609
23	Cars and general shop construction and repairs by electric-railroad companies.	18	601	.....	23	10	1	567	De 598	Mh 550	614	613	1	.....	.....	1,204,411
24	Cars and general shop construction and repairs by steam-railroad companies.	85	17,740	.....	531	405	101	16,703	De 17,622	Ja 15,869	17,623	17,616	6	1	.....	26,968,028
25	Cement	5	741	.....	33	54	13	641	No 688	Fe 562	677	677	.....	.....	.....	9,448,086
26	Chemicals	9	249	.....	22	60	17	150	Oc 169	Ja 123	165	149	4	12	.....	2,139,701
27	Cleansing and polishing preparations.	13	49	15	2	5	5	22	Je [4] 24	Mh 19	24	20	4	.....	.....	49,224
28	Clothing, men's	32	1,782	18	59	72	27	1,606	.....	.....	1,814	219	1,595	.....	.....	3,304,412
29	Men's and youths'	11	339	5	16	9	6	303	No 354	Fe 250	329	93	236	.....	.....	279,386
30	All other	21	1,443	13	43	63	21	1,303	De 1,423	Mh 1,164	1,485	126	1,359	.....	.....	3,025,026
31	Clothing, women's	10	229	8	15	11	3	192	No 240	Ja [4] 149	241	12	227	2	.....	461,164
32	Coffee, roasting and grinding	41	432	28	36	91	19	258	No 275	Ap 236	259	151	108	.....	.....	2,093,595
33	Coffins, burial cases, and undertakers' goods.	5	347	.....	9	37	7	294	Ja 363	Se [4] 250	276	248	28	.....	.....	1,182,565
34	Confectionary and ice cream	193	2,563	128	143	234	108	1,950	.....	.....	1,966	1,223	723	18	2	5,988,120
35	Confectionery	92	1,532	14	74	184	75	1,185	No 1,345	Jy 1,026	1,255	611	636	8	.....	3,275,177
36	Ice cream	101	1,031	114	69	50	33	765	Jy 929	Ja 576	711	612	87	10	2	2,712,943
37	Cooperage	9	307	7	15	7	2	276	De 309	Mh 221	309	309	.....	.....	.....	1,568,070
38	Copper, tin, and sheet-iron work	215	1,075	253	40	27	15	740	No 808	Ja 652	780	763	8	14	1	1,784,172
39	Cotton goods	15	2,730	.....	62	20	15	2,633	Ja 2,812	Oc 2,538	2,592	1,606	973	2	11	10,188,487
40	Dental goods	3	12	4	.....	.....	.....	8	Se 10	Ap 6	8	7	1	.....	.....	20,133
41	Druggists' preparations	9	145	1	16	14	5	109	Se 132	Ja 74	115	54	61	.....	.....	400,333
42	Electrical machinery, apparatus, and supplies.	6	44	3	5	1	2	33	No 39	Je 28	37	37	.....	.....	.....	149,140
43	Electroplating	6	25	8	.....	.....	1	16	De [4] 19	Fe 12	19	19	.....	.....	.....	12,631
44	Engines, steam, gas, and water	3	32	.....	2	3	.....	27	Se 31	Fe 24	27	27	.....	.....	.....	242,707
45	Engraving, steel and copper plate, including plate printing.	6	66	9	.....	2	5	50	De 70	Jy 42	70	41	29	.....	.....	111,221
46	Fertilizers	9	222	3	21	6	2	190	Jy 277	Oc 119	351	351	.....	.....	.....	963,528
47	Flavoring extracts	3	16	4	2	.....	1	9	(5) 9	(5) 9	9	8	1	.....	.....	21,727
48	Flour-mill and gristmill products	222	2,403	229	237	314	56	1,567	De 1,791	Je 1,394	1,739	1,734	3	2	.....	40,453,216
49	Food preparations, not elsewhere specified.	58	895	47	70	110	33	635	.....	.....	712	523	188	1	.....	7,250,914
50	Macaroni, vermicelli, noodles, etc.	8	134	5	11	13	3	102	De 123	Je 84	122	58	64	.....	.....	346,558
51	Sweetening sirups, other than cane.	8	14	9	.....	.....	.....	5	Se 15	Fe [4] 2	15	15	.....	.....	.....	18,155
	Other food products—															
52	For human consumption	30	520	19	40	58	11	392	Je 451	Oc 331	420	296	123	1	.....	4,763,039
53	For animals and fowls	12	227	14	19	39	19	136	De 155	Fe [4] 117	155	154	1	.....	.....	2,123,162
54	Foundry and machine-shop products.	181	4,647	158	238	322	74	3,855	.....	.....	4,307	4,256	17	34	.....	18,393,718
55	Boiler shops	18	384	18	17	5	3	341	De 391	Ja 299	385	385	.....	.....	.....	1,015,969
56	Foundries	11	407	8	24	20	3	352	No 408	Ap 311	390	360	.....	30	.....	1,351,334
57	Machine shops	139	3,244	120	173	273	61	2,617	De 2,967	Ja 2,479	2,982	2,961	17	4	.....	14,521,917
58	Machine shops and foundries combined.	13	612	12	24	24	7	545	Se [4] 563	Je 528	550	550	.....	.....	.....	1,504,498
59	Furniture	22	819	14	39	45	11	710	.....	.....	731	684	47	.....	.....	2,648,118
60	Wood, other than rattan and willow.	15	688	9	26	40	10	603	Au 641	Ja 574	617	570	47	.....	.....	2,229,292
61	Store and office fixtures	7	131	5	13	5	1	107	No 116	Ja 89	114	114	.....	.....	.....	418,826
62	Gas, illuminating and heating	25	876	1	62	108	62	643	De 693	Je 597	688	685	2	1	.....	15,404,524

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
											Owned.					
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.	
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
Dollars. 15,795,103	*Dollars.* 15,708,875	*Dollars.* 116,403,800	*Dollars.* 3,067,813	*Dollars.* 2,271,014	*Dollars.* 13,641,212	*Dollars.* 678,278,642	*Dollars.* 22,892,256	*Dollars.* 999,995,796	*Dollars.* 298,824,898	443,207	248,653	32,718	36,579	2,405	122,852	56,014	1
6,308	5,093	14,032	.....	2,081	157	20,747	253	65,437	44,437	9	.....	.....	.....	.....	9	.....	2
27,333	16,943	236,227	1,305	3,248	2,597	211,871	4,247	573,395	357,277	262	50	.....	88	.....	124	.....	3
51,817	25,741	557,163	600	60,706	18,695	736,417	16,433	1,881,349	1,128,499	626	.....	.....	2	.....	624	.....	4
147,831	61,704	1,468,665	2,569	200,953	41,465	2,111,978	73,444	5,301,804	3,116,382	1,693	34	.....	431	.....	1,228	21	5
28,056	47,614	67,965	.....	6,651	7,027	936,621	2,330	1,308,062	369,111	84	.....	.....	20	.....	64	.....	6
66,384	89,628	251,650	.....	7,151	89,505	7,018,975	7,986	7,909,765	882,804	313	.....	.....	.....	.....	313	.....	7
9,650	19,800	85,027	.....	4,379	1,477	141,063	1,725	309,902	167,114	64	.....	.....	.....	.....	64	.....	8
15,755	2,520	93,084	.....	5,220	51,994	146,606	2,424	360,927	211,897	56	.....	.....	.....	.....	56	.....	9
120,656	28,069	627,427	3,615	5,520	29,121	1,580,928	9,332	3,428,162	1,837,902	5,682	1,671	2,000	4	.....	2,007	72	10
46,020	16,080	138,793	.....	8,035	13,579	992,341	24,096	1,466,867	450,430	249	.....	.....	.....	.....	249	.....	11
264,411	541,000	2,502,208	8,810	254,180	219,090	12,298,613	401,559	20,154,202	7,454,030	2,792	698	5	153	7	1,929	598	12
255,397	121,330	1,335,884	18,190	3,139	173,866	428,738	905,316	4,166,571	2,832,517	9,093	8,001	5	206	.....	881	250	13
188,847	59,538	961,597	18,190	1,592	164,168	276,008	661,920	3,204,020	2,266,092	6,406	5,591	.....	156	.....	659	245	14
27,552	13,237	112,352	.....	1,547	3,631	30,863	70,163	275,361	174,335	1,855	1,810	5	40	.....	.....	5	15
38,998	48,555	261,935	.....	.....	6,067	121,867	173,233	687,190	392,090	832	600	.....	10	.....	222	.....	16
33,764	37,558	198,738	2,046	4,898	7,038	725,969	7,044	1,246,690	513,677	228	.....	.....	102	.....	126	6	17
55,008	90,732	201,822	.....	7,349	64,369	5,904,093	61,955	7,161,208	1,195,160	953	275	.....	60	.....	618	.....	18
37,491	22,370	44,934	.....	205	3,621	385,204	5,532	616,670	225,934	284	77	80	4	.....	123	.....	19
8,920	1,985	92,611	.....	3,960	2,425	101,714	4,926	280,600	173,960	96	.....	.....	22	.....	74	.....	20
7,420	300	59,643	.....	1,740	1,660	81,704	3,220	184,039	99,115	55	.....	.....	14	.....	41	.....	21
1,500	1,685	32,968	.....	2,220	765	20,010	1,706	96,561	74,845	41	.....	.....	8	.....	33	.....	22
43,181	10,310	493,592	.....	.....	8,829	364,165	13,628	924,564	546,771	1,713	400	.....	3	.....	1,310	35	23
1,419,690	1,268,026	24,199,080	252	1,400	172,189	12,990,983	1,279,038	41,486,703	27,216,682	17,233	8,056	200	565	300	8,112	4,966	24
126,500	135,479	567,650	.....	.....	217,540	515,199	1,127,932	4,743,343	3,100,212	16,390	125	4,500	6,400	.....	5,365	7,969	25
57,204	106,398	155,749	12,667	6,188	67,144	486,781	85,581	1,394,354	821,992	1,057	291	.....	.....	.....	766	5	26
2,820	8,140	20,175	1,000	4,128	319	48,427	2,193	116,758	66,138	117	40	.....	.....	.....	77	.....	27
186,083	151,634	965,160	14,400	41,020	39,288	3,692,362	22,182	6,567,749	2,853,205	412	.....	.....	30	.....	382	.....	28
56,036	14,724	242,076	.....	14,783	8,693	474,592	4,445	1,025,949	546,912	38	.....	.....	.....	.....	38	.....	29
130,047	136,910	723,084	14,400	26,237	30,595	3,217,770	17,737	5,541,800	2,306,293	374	.....	.....	30	.....	344	.....	30
43,080	17,614	109,560	319	8,380	9,584	410,602	4,077	703,143	288,464	42	.....	.....	.....	.....	42	.....	31
87,424	201,047	210,592	1,865	23,985	59,772	5,966,086	34,174	7,850,648	1,850,388	716	.....	.....	32	.....	684	50	32
68,497	77,998	291,813	306	925	60,925	721,022	1,380	1,470,386	747,984	731	650	.....	.....	.....	81	350	33
443,966	506,289	1,406,599	12,620	141,558	437,044	7,961,263	267,631	13,309,435	5,080,541	4,368	1,079	.....	350	.....	2,939	167	34
250,038	420,183	683,676	.....	92,545	310,016	4,611,782	70,925	7,731,873	3,049,166	776	322	.....	4	.....	450	81	35
103,928	86,106	722,923	12,620	49,013	127,028	3,349,481	196,706	5,577,562	2,031,375	3,592	757	.....	346	.....	2,489	86	36
67,881	18,120	245,025	.....	2,953	19,151	1,711,553	11,958	2,205,269	481,758	833	.....	.....	106	.....	727	.....	37
84,062	45,092	883,000	9,404	54,124	18,015	2,213,393	17,410	4,206,506	1,975,703	397	.....	.....	61	.....	336	.....	38
188,860	49,857	1,840,204	2,794	.....	527,831	8,987,812	327,081	13,919,603	4,604,710	14,210	4,785	.....	800	.....	8,625	15	39
.....	.....	5,598	.....	600	62	13,713	228	31,359	17,418	5	.....	.....	.....	.....	5	.....	40
46,126	58,275	88,701	7,229	2,149	27,840	177,906	2,738	770,506	589,862	46	.....	.....	13	.....	33	.....	41
13,500	3,668	45,763	.....	2,520	1,271	90,457	1,709	174,877	82,711	98	.....	.....	.....	.....	98	.....	42
.....	728	18,327	337	3,850	92	5,259	1,774	41,933	34,900	48	.....	.....	.....	.....	48	.....	43
5,096	3,370	28,985	.....	.....	1,890	33,968	2,020	99,904	63,916	97	.....	.....	69	.....	28	.....	44
.....	4,740	45,678	.....	4,424	534	46,464	644	144,199	97,091	15	.....	.....	.....	.....	15	.....	45
41,735	7,849	189,676	1,205	10,749	6,242	1,070,001	30,775	1,592,718	491,942	1,404	405	.....	.....	.....	999	.....	46
3,000	100	5,712	.....	960	184	18,414	56	48,057	29,587	4	.....	.....	.....	.....	4	.....	47
697,532	557,385	1,680,063	15,957	22,474	668,418	62,884,614	515,057	73,064,361	9,664,690	23,854	8,296	.....	5,694	828	9,036	1,674	48
167,799	255,923	483,324	.....	22,327	80,581	14,473,081	105,235	17,389,049	2,810,733	3,546	1,743	.....	279	.....	1,524	134	49
19,240	25,063	55,180	.....	4,344	3,324	344,116	8,958	529,287	176,213	256	80	.....	24	.....	152	.....	50
.....	.....	3,250	.....	200	80	20,691	1,700	34,673	12,282	170	163	.....	5	.....	2	.....	51
95,020	153,321	299,175	.....	4,128	40,077	9,357,104	82,296	11,386,866	1,947,466	2,076	1,420	.....	250	.....	406	134	52
53,530	77,530	125,719	.....	13,655	37,100	4,751,170	12,281	5,438,223	674,772	1,044	80	.....	.....	.....	964	.....	53
750,135	701,851	4,825,458	156,651	56,926	618,608	9,572,229	425,376	20,524,445	10,526,840	9,450	1,815	40	1,157	.....	6,438	1,771	54
66,173	11,766	513,198	51,516	3,240	9,826	734,834	19,084	1,669,353	915,435	946	.....	.....	135	.....	811	.....	55
112,717	34,946	462,712	128	6,966	111,629	1,131,816	99,736	2,335,555	1,104,503	1,218	125	.....	.....	.....	1,093	.....	56
500,393	607,240	3,167,433	105,007	46,300	451,702	6,623,382	238,805	14,045,297	7,183,110	6,221	1,468	.....	1,011	.....	3,742	1,771	57
70,847	47,899	682,115	.....	420	45,451	1,082,697	67,751	2,474,240	1,323,792	1,065	222	40	11	.....	792	.....	58
113,817	99,797	684,380	3,072	11,048	128,812	2,246,269	32,225	4,393,906	2,115,412	1,846	618	40	14	.....	1,174	.....	59
78,852	92,055	551,418	.....	7,800	115,005	2,005,001	27,223	3,842,913	1,810,689	1,695	518	40	5	.....	1,132	.....	60
34,965	7,742	132,962	3,072	3,248	13,807	241,268	5,002	550,993	304,723	151	100	.....	9	.....	42	.....	61
135,811	161,087	627,976	28,324	5,784	211,523	346,899	1,239,910	3,613,995	2,027,186	3,622	1,887	1,194	125	.....	416	.....	62

[1] No figures given for reason stated under "Explanation of terms." [2] Same number reported for one or more other months. [3] Same number reported throughout the year.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
																Dollars.
1	Glass, cutting, staining, and ornamenting.	8	50	7	3	3	2	35	Au 41	Ja[3] 32	38	37	1	.....	.....	115,363
2	Grease and tallow, not including lubricating greases.	3	17	2	1	.....	.....	14	(4) 14	(4) 14	14	14	.....	.....	.....	43,021
3	Hand stamps	6	22	4	2	.....	.....	16	De[3] 17	Fe 13	14	13	1	.....	.....	27,897
4	Hats and caps, other than felt, straw, and wool.	3	31	1	4	.....	2	24	Se 26	Mh[3] 22	24	11	13	.....	.....	70,360
5	Ice, manufactured	265	3,168	140	357	250	59	2,362	Au 3,305	Ja 1,527	2,252	2,239	4	9	.....	20,265,185
6	Iron and steel, welding	23	126	32	2	3	4	85	Jy[3] 94	Ja[3] 75	88	87	1	.....	.....	129,576
7	Jewelry	19	123	17	4	.....	4	98	De[3] 105	Fe 93	102	100	1	1	.....	235,260
8	Leather, tanned, curried, and finished.	3	27	2	5	1	1	18	De 38	Fe 6	38	31	7	.....	.....	92,226
9	Lime	7	264	7	18	11	2	226	No 319	Ja[3] 171	318	318	.....	.....	.....	808,866
10	Liquors, malt	6	350	1	24	32	7	286	Jy 378	De 179	205	203	2	.....	.....	5,559,659
11	Lumber and timber products	457	19,041	430	502	606	144	17,359	De 20,023	Ja 15,285	21,135	21,078	37	20	.....	47,282,312
12	Lumber, planing-mill products, not including planing mills connected with sawmills.	130	2,205	120	123	149	34	1,779	Oc 2,030	Fe 1,524	1,958	1,948	4	6	.....	6,905,979
13	Marble and stone work	126	688	150	30	38	11	459	.....	.....	501	499	2	.....	.....	1,478,866
14	Monuments and tombstones	113	573	137	25	34	9	368	De 382	Fe 346	388	386	2	.....	.....	1,103,445
15	Other marble and stone work, except slate.	13	115	13	5	4	2	91	Au[3] 107	Ja 64	113	113	.....	.....	.....	375,421
16	Mattresses and spring beds, not elsewhere specified.	86	643	102	38	57	15	431	De 516	Ja 355	527	411	113	3	.....	1,685,812
17	Mineral and soda waters	258	1,410	300	86	112	32	880	Au 1,194	Ja 567	901	825	34	41	1	5,086,813
18	Mirrors, framed and unframed, not elsewhere specified.	3	9	3	.....	.....	.....	6	Oc[3] 8	Au[3] 4	7	7	.....	.....	.....	7,238
19	Oil and cake, cottonseed	200	5,654	77	666	393	46	4,472	No 6,897	Je 2,264	7,361	7,247	46	68	.....	45,780,010
20	Oil, not elsewhere specified	4	188	2	5	10	.....	171	De 251	Jy 120	177	37	140	.....	.....	677,725
21	Optical goods	18	168	12	16	16	19	105	No[3] 114	Ja 91	109	93	16	.....	.....	441,141
22	Paints	8	92	5	11	18	6	52	No 62	Ja 38	55	52	3	.....	.....	432,172
23	Patent medicines and compounds	52	340	64	32	49	18	177	.....	.....	226	166	58	2	.....	736,690
24	Patent and proprietary medicines.	30	176	25	21	32	11	87	Je 98	Oc 75	98	47	49	2	.....	551,401
25	Patent and proprietary compounds, not elsewhere specified.	22	164	39	11	17	7	90	Je 116	De 34	128	119	9	.....	.....	185,289
26	Paving materials	11	258	6	17	6	7	222	Au 254	Ja 193	256	256	.....	.....	.....	1,171,317
27	Peanuts, grading, roasting, cleaning, and shelling.	9	213	5	18	6	5	179	De 228	Oc 121	161	81	80	.....	.....	1,100,034
28	Perfumery and cosmetics	7	40	3	9	12	1	15	Au 18	Ja[3] 13	15	7	8	.....	.....	120,849
29	Petroleum, refining	39	9,767	10	252	1,017	264	8,224	De 9,280	Ja 6,724	9,204	8,963	241	.....	.....	153,227,300
30	Photo-engraving not done in printing establishments.	10	139	11	8	25	6	89	No 100	Ja 67	99	97	2	.....	.....	183,325
31	Pickles, preserves, and sauces	18	318	12	18	39	15	234	.....	.....	296	146	150	.....	.....	865,523
32	Preserves	6	38	4	2	.....	1	31	Au 113	(5) 0	87	35	52	.....	.....	130,757
33	Pickles and sauces	12	280	8	16	39	14	203	Se 268	Ja 158	209	111	98	.....	.....	734,766
34	Pottery, earthen and stone ware	10	58	13	2	1	2	40	Jy 62	Ja 22	46	44	2	.....	.....	162,039
35	Printing and publishing, book and job.	308	3,254	324	184	338	150	2,258	.....	.....	2,428	1,814	585	25	4	7,370,359
36	Job printing	285	3,106	308	167	297	134	2,200	Oc 2,381	Ja 2,062	2,360	1,753	579	24	4	6,942,554
37	Book publishing and printing	13	87	7	14	39	16	11	Fe 22	De[3] 5	20	14	6	.....	.....	284,345
38	Linotype work, typesetting, etc.	10	61	9	3	2	.....	47	Fe[3] 48	Mh[3] 46	48	47	.....	1	.....	143,460
39	Printing and publishing, newspapers and periodicals.	765	6,153	809	463	1,316	438	3,127	.....	.....	3,319	2,822	343	146	8	12,535,054
40	Printing and publishing	67	2,552	40	167	814	237	1,294	No 1,399	My 1,233	1,349	1,232	71	46	.....	5,746,317
41	Printing and publishing and job printing.	598	3,369	695	252	443	159	1,820	No 1,944	Fe 1,712	1,957	1,582	267	100	8	6,666,561
42	Publishing without printing	100	232	74	44	59	42	13	Fe 14	Je[3] 12	13	8	5	.....	.....	123,076
43	Rice, cleaning and polishing	14	604	1	70	98	12	423	No 675	Au 176	630	601	29	.....	.....	6,946,699
44	Rubber tires, tubes, and rubber goods, not elsewhere specified.	6	99	8	14	13	7	57	Se 90	Fe 19	68	64	4	.....	.....	505,139
45	Saddlery and harness	68	1,269	84	64	159	43	919	No 943	Ja 873	934	863	71	.....	.....	4,711,974
46	Salt	3	308	5	13	12	1	277	Se 336	No 222	333	298	35	.....	.....	1,046,991
47	Sausage, not made in slaughtering and meat-packing establishments.	6	24	6	2	4	.....	12	De[3] 19	Ja[3] 9	19	19	.....	.....	.....	52,786
48	Shipbuilding, wooden, including boat building.	21	6,375	19	73	170	45	6,068	.....	.....	4,900	4,880	15	5	.....	4,781,442
49	Small boats	17	6,348	17	72	170	45	6,044	Fe 9,627	De 3,660	4,873	4,853	15	5	.....	4,700,766
50	Yards engaged entirely on repair work.	4	27	2	1	.....	.....	24	No 28	Fe 22	27	27	.....	.....	.....	80,676
51	Show cases	4	84	3	3	3	1	74	De[3] 77	Fe 70	75	75	.....	.....	.....	194,952
52	Signs and advertising novelties	7	46	3	5	9	1	28	Oc[3] 39	Jy 19	44	44	.....	.....	.....	141,638
53	Slaughtering and meat packing	19	6,558	2	236	1,012	236	5,072	Ja 6,645	Mh 4,460	5,204	4,594	610	.....	.....	21,325,101
54	Structural ironwork, not made in steel works or rolling mills.	14	587	8	47	61	11	460	De 491	Fe 424	511	511	.....	.....	.....	1,032,303
55	Tobacco, cigars	42	1,239	43	9	22	9	1,156	De 1,542	Ja 949	1,547	182	1,365	.....	.....	1,233,072
56	Trunks and valises	12	176	13	21	15	2	125	De 135	Ja 91	135	126	9	.....	.....	226,387

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.							
Salaries and wages			For contract work.	Rent and taxes.		For materials.				Primary horsepower.						Electric horsepower generated in establishments reporting.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*								
4,600	3,543	46,463	.....	6,120	757	78,764	2,041	163,457	82,652	92	.....	.....	.....	.....	92	.....	1
2,400	.....	13,730	.....	65	357	12,690	3,490	43,439	27,259	48	43	.....	.....	.....	5	.....	2
3,600	.....	22,484	5,050	3,750	349	19,352	693	76,694	56,649	8	.....	.....	.....	.....	8	.....	3
7,990	1,280	22,478	.....	3,222	1,017	41,814	1,306	102,019	58,899	12	6	.....	.....	.....	6	5	4
675,413	309,033	2,222,930	59,519	18,788	442,743	1,250,185	1,894,730	9,811,061	6,666,146	55,879	42,694	1,933	5,664	210	5,378	2,763	5
4,116	5,660	115,103	475	11,621	1,057	52,565	8,660	313,766	252,541	90	.....	.....	.....	.....	90	.....	6
17,420	2,760	154,336	1,275	10,254	987	130,750	1,516	419,018	286,752	43	.....	.....	.....	.....	43	.....	7
8,040	1,425	18,464	.....	240	94	57,608	1,020	90,297	31,669	127	.....	.....	8	.....	119	.....	8
37,536	17,120	227,206	1,888	300	8,412	189,479	133,581	797,882	474,822	596	535	.....	6	.....	55	10	9
96,411	75,416	333,894	428	6,070	332,687	904,151	176,319	2,143,102	1,062,632	4,476	3,340	.....	850	.....	286	1,722	10
1,339,426	911,335	17,900,512	592,707	34,721	1,509,291	15,419,114	271,555	47,884,281	32,193,612	76,025	71,587	2,047	173	43	2,175	2,579	11
294,908	247,494	1,863,068	24,492	27,208	153,616	5,220,173	69,009	9,792,439	4,503,257	5,821	2,674	100	408	.....	2,639	90	12
48,779	61,121	538,664	26,660	12,365	23,336	837,086	44,815	2,159,465	1,277,564	1,821	190	.....	518	.....	1,113	5	13
39,900	52,879	443,177	26,296	11,472	16,056	743,815	40,274	1,824,003	1,039,914	1,336	.....	.....	406	.....	930	5	14
8,879	8,242	95,487	364	893	7,280	93,271	4,541	335,462	237,650	485	190	.....	112	.....	183	.....	15
73,957	115,480	332,179	2,408	23,295	29,467	1,732,486	24,025	2,910,316	1,153,805	1,029	6	.....	82	.....	941	5	16
182,669	192,102	831,002	5,494	54,526	286,906	3,215,865	120,249	6,359,701	3,023,587	3,470	1,145	1,118	231	3	973	756	17
.....	.....	6,338	.....	1,320	55	12,508	253	25,150	12,389	4	.....	.....	.....	.....	4	.....	18
1,288,068	507,751	3,336,661	705,668	21,467	777,762	85,628,467	1,504,521	102,111,850	14,978,862	70,743	47,551	1,375	5,885	1,000	14,932	4,646	19
13,444	9,664	40,008	.....	3,080	6,008	528,032	9,330	652,023	114,661	592	550	.....	4	.....	38	.....	20
49,516	45,815	99,748	.....	29,222	33,364	192,164	4,484	649,159	452,511	59	.....	.....	.....	.....	59	.....	21
41,908	30,002	54,335	.....	5,840	34,149	508,944	5,636	1,019,069	504,489	316	.....	.....	.....	.....	316	.....	22
64,049	84,440	107,583	19,796	15,654	32,072	645,875	1,162	1,455,162	808,125	58	.....	.....	11	.....	47	.....	23
47,844	60,295	61,094	450	9,456	30,412	512,943	500	1,124,758	611,315	24	.....	.....	2	.....	22	.....	24
16,205	24,151	46,489	19,346	6,198	1,660	132,932	662	330,404	196,810	34	.....	.....	9	.....	25	.....	25
30,863	18,072	207,539	.....	19,553	2,314	62,032	33,744	447,587	351,811	1,567	917	.....	159	.....	491	.....	26
37,501	11,636	99,061	.....	444	51,973	1,689,003	15,361	2,054,740	350,376	1,257	250	.....	295	.....	712	129	27
21,325	10,163	11,747	.....	3,764	9,026	168,805	229	279,841	110,807	4	.....	.....	.....	.....	4	.....	28
809,679	1,295,996	11,757,668	251,928	2,045	1,711,403	184,617,478	8,260,485	241,757,313	48,879,350	27,543	2,767	10,375	2,700	.....	11,701	15,400	29
20,412	33,279	144,704	3,864	9,426	3,831	56,505	5,988	466,685	404,192	93	.....	.....	.....	.....	93	.....	30
67,713	68,626	110,536	279	5,465	30,826	730,394	8,035	1,296,544	558,115	266	54	.....	58	.....	154	.....	31
4,075	1,300	11,549	.....	200	320	59,834	1,402	100,204	38,968	57	54	.....	3	.....	.....	.....	32
63,038	67,326	98,987	279	5,265	30,506	670,560	6,633	1,196,340	519,147	209	.....	.....	55	.....	154	.....	33
3,116	3,043	34,485	240	8,400	1,237	15,330	11,785	98,621	71,506	212	111	.....	46	.....	55	.....	34
594,840	662,754	2,305,204	286,823	201,814	208,416	4,736,313	78,250	12,233,688	7,419,125	2,309	.....	.....	17	1	2,291	1	35
554,536	594,989	2,216,612	65,122	195,952	202,555	4,704,019	74,808	11,544,245	6,765,418	2,272	.....	.....	17	.....	2,255	1	36
33,880	65,305	8,500	221,701	3,050	4,672	27,098	328	530,586	503,160	7	.....	.....	.....	.....	7	.....	37
6,424	2,400	80,092	.....	2,812	1,189	5,196	3,114	158,857	150,547	30	.....	.....	.....	1	29	.....	38
1,227,486	1,894,465	3,567,216	597,195	253,592	313,727	5,925,638	196,272	19,998,949	13,877,039	5,708	794	5	685	13	4,211	419	39
615,484	1,139,094	1,488,812	9,656	97,045	152,700	3,114,591	86,288	9,554,938	6,354,059	2,086	160	.....	18	.....	1,908	.....	40
503,567	634,262	2,064,018	48,825	144,345	159,355	2,785,910	109,947	9,346,741	6,450,884	3,622	634	5	667	13	2,303	419	41
108,435	121,109	14,386	538,714	12,202	1,672	25,137	37	1,097,270	1,072,096	.....	.....	.....	.....	.....	.....	.....	42
202,208	163,906	414,116	17,871	6,165	349,747	13,721,606	87,824	17,900,547	4,091,117	7,998	6,103	.....	420	.....	1,475	467	43
30,564	22,620	58,807	.....	3,326	5,150	186,665	5,699	568,181	375,817	441	412	.....	.....	.....	29	6	44
186,918	168,505	989,859	850	77,840	102,348	5,212,040	17,730	7,817,750	2,587,980	359	.....	.....	10	.....	349	.....	45
32,590	17,742	307,094	500	4,019	28,732	310,544	169,915	1,016,031	535,572	1,656	990	433	33	.....	200	308	46
3,180	1,508	11,152	.....	2,760	69	129,252	1,203	171,715	41,260	41	.....	.....	.....	.....	41	.....	47
264,598	370,087	7,565,865	1,664	27,061	66,652	8,129,896	193,351	19,246,231	10,922,984	6,026	2,062	690	547	.....	2,727	.....	48
262,198	370,087	7,536,062	.....	26,720	66,145	8,107,892	186,824	19,176,207	10,881,491	5,888	2,012	690	459	.....	2,727	.....	49
2,400	.....	29,803	1,664	341	507	22,004	6,527	70,024	41,493	138	50	.....	88	.....	.....	.....	50
14,100	4,780	78,812	.....	1,740	5,472	150,179	1,916	323,658	171,563	213	.....	.....	.....	.....	213	.....	51
14,513	7,942	37,009	.....	5,224	1,427	26,021	145	135,218	109,052	6	.....	.....	.....	.....	6	.....	52
668,195	1,682,504	5,757,314	41,581	236,976	522,966	105,874,192	877,425	125,191,873	18,440,256	14,055	9,657	.....	.....	.....	4,398	2,886	53
119,541	73,826	506,459	11,020	4,340	24,278	2,073,927	26,094	3,245,942	1,145,921	532	.....	.....	85	.....	447	.....	54
82,730	62,126	399,766	.....	13,980	163,291	818,090	497	1,678,613	860,026	3	.....	.....	.....	.....	3	.....	55
55,435	20,295	90,905	.....	10,790	6,178	232,606	1,840	502,590	268,144	97	.....	.....	.....	.....	97	.....	56

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

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															Dollars.
1	Turpentine and rosin	10	1,118	3	67	30	.....	1,018	Ap 1,280	No 773	1,019	996	.....	23	.....	2,488,180
2	Vinegar	7	119	7	7	37	4	64	My[3] 66	Fe 56	65	57	8	.....	.....	306,840
3	Wall plaster and composition flooring	3	295	.....	16	23	8	248	Se 284	Ja 201	247	246	1	.....	.....	1,158,456
4	Window and door screens	9	66	12	3	4	3	44	My 52	Ja 33	47	47	.....	.....	.....	73,973
5	Wood preserving	7	873	.....	29	69	21	754	De 1,040	Mh 560	1,023	1,013	8	2	.....	6,122,260
6	All other industries*	142	5,119	109	260	361	105	4,284	.....	.....	.....	.....	.....	.....	.....	37,010,197

* All other industries embrace—
Agricultural implements 5
Automobiles 5
Bags, paper, exclusive of those made in paper mills 1
Baking powder 1
Baskets, and rattan and willow ware 2
Blacking, stains, and dressings 2
Boot and shoe findings 2
Boxes, cigar 1
Boxes, paper and other, not elsewhere specified 3
Brushes 1
Buttons 2
Carriage and wagon materials 3
Cars, steam-railroad, not including operations of railroad companies 2
Chewing gum 1
Cordage and twine 1
Cordials and flavoring sirups 6
Cutlery and edge tools, pocketknives 1
Dairymen's, poultrymen's, and apiarists' supplies 2
Engraving and diesinking 2
Envelopes 1
Explosives 4
Fireworks 1
Furs, dressed 1
Glass 2
Hardware 2
Hardware, saddlery 1
Hats, straw 1
House-furnishing goods, mops, dusters, etc 1
Instruments, professional and scientific 1
Iron and steel, blast furnaces 1
Iron and steel, steel works and rolling mills 1
Labels and tags 2
Lamps and reflectors 1
Lapidary work 1
Lard, not made in slaughtering and meat-packing establishments 1
Leather goods, not elsewhere specified 1
Looking-glass and picture frames 2
Millinery and lace goods, embroideries and trimmed hats, and hat frames 4
Minerals and earths, ground or otherwise treated 3
Models and patterns, not including paper patterns 3

	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	**DALLAS**—All industries	457	10,677	376	567	1,431	390	7,913	De 8,332	Ja 7,379	8,505	6,369	2,058	78	.....	42,270,181
2	Automobile bodies and parts	17	271	23	9	6	9	224	De 268	Ja[3] 185	268	253	12	3	.....	215,783
3	Automobile repairing	25	115	34	2	6	2	71	Au 80	Fe[3] 61	77	77	.....	.....	.....	65,584
4	Bread and other bakery products	39	870	35	39	158	26	612	De 693	Jy 511	698	412	286	.....	.....	2,203,866
5	Cars and general shop construction and repairs by steam-railroad companies.	3	138	.....	3	2	2	131	No 143	Ja 119	141	141	.....	.....	.....	190,105
6	Chemicals	4	115	.....	9	41	11	54	No 58	Mh 49	57	55	2	.....	.....	917,443
7	Clothing, men's	9	693	3	26	20	8	636	No 692	Mh 592	673	85	588	.....	.....	609,145
8	Clothing, women's	3	95	.....	8	8	1	78	De[3] 83	Ja 69	83	2	81	.....	.....	203,195
9	Confectionery and ice cream	15	413	19	27	44	9	314	.....	.....	206	201	95	.....	.....	947,647
10	Confectionery	9	293	14	15	28	7	229	Mh 257	Jy 193	219	130	89	.....	.....	485,602
11	Ice cream	6	120	5	12	16	2	85	Jy 115	Ja 54	77	71	6	.....	.....	462,045
12	Copper, tin, and sheet-iron work	14	123	10	11	4	2	96	Je[3] 103	Ja 86	103	102	.....	1	.....	293,422
13	Food preparations, not elsewhere specified.	6	30	3	4	1	1	21	Je 40	Ja 5	40	14	26	.....	.....	55,183
14	Foundry and machine-shop products	19	721	15	30	88	15	573	Mh 643	Oc 487	584	579	5	.....	.....	4,414,605
15	Ice, manufactured	11	232	.....	23	59	2	148	Au 200	Ja[3] 97	149	149	.....	.....	.....	1,380,284
16	Iron and steel, welding	4	16	6	.....	.....	.....	10	De[3] 11	Ja[3] 9	11	11	.....	.....	.....	8,024
17	Jewelry	7	69	6	4	.....	1	58	De[3] 63	My 54	60	59	1	.....	.....	170,973
18	Lumber, planing-mill products, not including planing mills connected with sawmills.	10	144	6	12	8	2	116	No 145	Fe 81	134	134	.....	.....	.....	345,477
19	Marble and stone work	6	81	6	5	7	3	60	De 75	Ja 50	75	75	.....	.....	.....	338,941
20	Mineral and carbonated waters	7	91	7	5	24	4	51	Au 69	Ja[3] 35	38	37	1	.....	.....	350,452
21	Oil and cake, cottonseed	4	216	1	19	17	.....	179	Oc 314	Je 77	291	224	.....	67	.....	2,664,168
22	Optical goods	4	67	2	6	9	11	39	No 42	My 35	34	30	4	.....	.....	190,022
23	Patent medicines and compounds	10	32	7	5	6	4	10	De[3] 11	Ja[3] 9	12	6	6	.....	.....	38,133
24	Photo-engraving, not done in printing establishments.	3	50	4	2	9	2	33	No 38	Ja 20	37	37	.....	.....	.....	57,538
25	Printing and publishing, book and job.	64	754	65	37	108	42	502	.....	.....	562	419	140	3	.....	2,217,598
26	Job printing	54	651	57	29	69	28	468	De 527	Ja 407	528	386	139	3	.....	1,935,080
27	Book publishing without printing.	6	63	4	8	37	14	.....	.....	.....	.....	.....	.....	.....	.....	222,195
28	Linotype work, typesetting, etc.	4	40	4	.....	2	.....	34	Jy[3] 35	De[3] 33	34	33	1	.....	.....	60,323
29	Printing and publishing, newspapers and periodicals.	44	805	31	41	315	120	298	.....	.....	318	297	17	4	.....	1,596,087
30	Printing, publishing and job printing.	10	730	15	30	289	102	294	De 312	My 263	314	293	17	4	.....	1,570,999
31	Publishing without printing	34	75	16	11	26	18	4	(4) 4	(4) 4	4	4	.....	.....	.....	25,088
32	Saddlery and harness	4	666	.....	37	116	28	485	No 506	Ja 441	501	464	37	.....	.....	2,454,810
33	Signs and advertising novelties	7	46	3	5	9	1	28	De[3] 39	Je[3] 20	44	44	.....	.....	.....	141,633
34	All other industries*	118	3,824	90	198	366	84	3,086	.....	.....	3,219	2,462	757	.....	.....	20,185,063

* All other industries embrace—
Artificial limbs 1
Artificial stone products 2
Automobiles 1
Awnings, tents, and sails 2
Bags, other than paper, not including bags made in textile mills 2
Blacking, stains, and dressings 1
Bookbinding and blank-book making 5
Boot and shoe findings 1
Boxes, paper and other, not elsewhere specified 1
Boxes, wooden packing, except cigar boxes 2
Brass and bronze products 1
Brick and tile, building brick 1
Brooms, from broom corn 1
Brushes 1
Buttons 1
Canning and preserving, vegetables 1
Carriage and wagon materials 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cleansing preparations, sweeping 2
Coffee, roasting and grinding 2
Coffins, burial cases, and undertakers' goods 2
Cooperage, hogsheads and barrels 1
Cordials and flavoring sirups 2
Cotton goods 1
Dairymen's supplies 1
Druggists' preparations 3
Electrical machinery 2
Electroplating 2
Engraving and diesinking 1
Engraving, steel and copper plate, including plate printing 3
Envelopes 1
Flour-mill and gristmill products 6
Furniture, wood, other than rattan, willow, and metal 3
Glass, cutting, staining, and ornamenting 2

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains.)
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
											Owned.					
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.

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

Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*							
101,674	23,970	695,923	.....	.....	107,344	508,528	9,369	3,300,640	2,782,743	64	54	.....	10	.....	.....	.....	1
16,800	90,703	56,468	2,884	4,600	22,533	381,464	2,367	782,272	398,441	37	.....	.....	.....	.....	37	.....	2
46,503	53,199	247,154	.....	.....	15,115	199,189	97,566	1,098,126	801,371	1,715	190	.....	675	.....	850	527	3
8,650	8,381	44,905	2,913	869	707	68,471	2,372	176,897	106,054	126	.....	.....	14	.....	112	.....	4
89,183	121,436	820,905	.....	1,890	154,134	4,552,314	138,535	6,264,501	1,573,652	3,957	3,767	169	21	.....	.....	170	5
820,036	615,960	3,761,151	96,804	69,656	1,948,116	50,233,288	1,289,250	65,942,312	14,419,774	20,875	9,208	6,409	174	.....	5,084	5,037	6

Mucilage and paste, and other adhesives, not elsewhere specified..... 1
Musical instruments and materials, not specified..... 1
Paper and wood pulp..... 2
Plumbers' supplies, not elsewhere specified..... 2
Pocketbooks..... 1
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments..... 3
Printing and publishing, music..... 2
Printing materials..... 2
Refrigerators..... 2
Sand-lime brick..... 1
Saws..... 1
Scales and balances..... 1
Shipbuilding, steel..... 1
Shirts..... 2
Smelting and refining, copper..... 1
Soap..... 4
Soda-water apparatus..... 1
Statuary and art goods..... 3
Stencils and brands..... 1
Stoves and ranges..... 1
Stoves, gas and oil..... 1
Sugar, cane..... 1
Sugar, refining, not including beet sugar..... 1
Sulphuric, nitric, and mixed acids..... 1
Surgical appliances..... 1
Tinware, not elsewhere specified..... 1
Tobacco, smoking..... 1
Tools, not elsewhere specified..... 2
Toys and games..... 1
Typewriters and parts..... 1
Washing machines and clothes wringers..... 2
Waste, cotton..... 3
Whips..... 1
Windmills..... 1
Wirework, not elsewhere specified..... 6
Wood distillation..... 1
Wood, turned and carved..... 4
Wooden goods, not elsewhere specified..... 1
Worsted goods..... 1

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

1,889,307	2,606,904	7,963,180	393,857	391,155	2,528,776	64,692,433	810,760	93,649,654	28,146,461	23,197	12,966	.....	1,395	1	8,835	2,434	1
27,273	14,260	269,648	.....	31,608	8,030	340,906	5,861	886,070	539,303	144	.....	.....	.....	.....	144	.....	2
3,400	5,850	96,074	34	25,450	3,494	93,916	4,625	374,291	275,750	99	.....	.....	5	.....	94	.....	3
85,352	244,906	513,723	200	38,516	134,460	2,641,703	56,412	4,596,128	1,898,013	653	375	.....	.....	.....	278	358	4
7,824	5,349	211,645	.....	.....	3,742	129,772	8,471	366,803	228,560	65	65	.....	.....	.....	.....	.....	5
24,505	82,591	61,088	.....	6,038	43,637	169,382	28,157	647,082	449,543	376	106	.....	.....	.....	270	.....	6
62,820	43,269	300,524	14,400	19,517	12,781	960,697	7,844	1,818,942	850,401	119	.....	.....	.....	.....	119	.....	7
30,750	15,286	48,725	.....	4,020	3,688	162,699	2,064	315,345	150,582	25	.....	.....	.....	.....	25	.....	8
104,345	109,071	215,145	.....	28,671	132,516	1,272,689	43,522	2,260,145	943,934	775	485	.....	.....	.....	290	81	9
53,395	92,580	136,876	.....	23,916	78,842	805,831	13,060	1,418,773	590,882	173	135	.....	.....	.....	38	81	10
50,950	17,301	78,269	.....	4,755	53,674	466,858	30,462	841,372	344,052	602	350	.....	.....	.....	252	.....	11
24,781	9,542	129,338	2,000	9,325	4,627	394,194	1,391	681,347	285,762	76	.....	.....	.....	.....	76	.....	12
4,969	675	14,167	.....	2,021	372	49,866	2,583	93,557	41,108	39	.....	.....	.....	.....	39	.....	13
122,644	208,148	631,183	.....	14,925	138,448	1,698,523	34,557	3,576,161	1,843,081	1,129	750	.....	.....	.....	379	900	14
59,330	60,709	175,818	8,800	.....	84,522	53,210	183,381	304,608	568,017	4,136	4,002	.....	70	.....	64	235	15
.....	.....	14,496	.....	2,625	80	6,433	676	39,027	31,918	29	.....	.....	.....	.....	29	.....	16
17,420	1,200	98,071	1,275	3,660	12	73,686	674	248,372	174,012	22	.....	.....	.....	.....	22	.....	17
19,692	7,432	134,301	.....	1,912	36,108	288,500	5,002	615,683	322,181	330	215	.....	35	.....	80	.....	18
8,879	20,474	79,533	1,000	1,300	6,733	118,346	4,044	339,643	217,253	266	.....	.....	80	.....	186	.....	19
16,990	43,654	58,940	.....	6,465	67,170	383,028	5,855	706,312	317,429	110	.....	.....	.....	.....	110	.....	20
55,211	25,786	178,993	.....	.....	90,844	6,908,139	83,378	7,691,521	700,004	3,025	1,925	.....	50	.....	1,050	20	21
22,240	23,042	55,753	.....	11,945	28,619	85,404	2,214	368,958	281,340	16	.....	.....	.....	.....	16	.....	22
8,305	11,174	7,484	1,375	3,780	796	63,697	125	144,700	80,878	3	.....	.....	.....	.....	3	.....	23
9,317	16,729	52,799	.....	2,520	2,608	23,172	2,398	177,963	152,393	57	.....	.....	.....	.....	57	.....	24
140,437	202,216	639,849	203,459	39,790	67,698	1,740,499	20,776	4,298,619	2,537,344	508	.....	.....	.....	1	507	.....	25
112,737	136,571	585,264	13,098	36,610	63,581	1,723,761	19,220	3,766,614	2,023,633	488	.....	.....	.....	.....	488	.....	26
27,700	63,245	.....	190,361	2,015	3,642	14,813	7	436,678	421,858	.....	.....	.....	.....	.....	.....	.....	27
.....	2,400	54,585	.....	1,165	475	1,925	1,549	95,327	91,353	20	.....	.....	.....	1	19	.....	28
177,711	618,122	436,532	152,577	28,560	49,216	1,278,347	20,684	4,126,321	2,827,290	784	560	.....	8	.....	216	400	29
153,453	570,140	430,860	11,149	24,924	48,800	1,273,257	20,684	3,804,570	2,510,629	784	560	.....	8	.....	216	400	30
24,258	47,982	5,672	141,428	3,636	416	5,090	.....	321,751	316,661	.....	.....	.....	.....	.....	.....	.....	31
122,438	115,435	572,601	.....	31,977	59,180	2,469,380	8,473	3,904,053	1,426,200	153	.....	.....	.....	.....	153	.....	32
14,513	7,942	37,009	.....	5,224	1,427	26,021	145	135,218	109,052	6	.....	.....	.....	.....	6	.....	33
719,161	713,142	2,830,741	8,737	71,306	1,547,968	43,260,224	277,448	54,432,785	10,895,113	10,252	4,483	.....	1,147	.....	4,622	440	34

Grease, tallow..... 1
Hand stamps..... 2
Hats and caps, other than felt, straw, and wool..... 2
House-furnishing goods, mops, dusters, etc..... 1
Liquors, malt..... 1
Lumber and timber products..... 1
Mattresses and spring beds, not elsewhere specified..... 5
Millinery and lace goods, not elsewhere specified..... 4
Minerals and earths, ground..... 1
Mirrors, framed and unframed, not elsewhere specified..... 1
Mucilage and paste..... 1
Paints..... 3
Paper pulp..... 1
Perfumery and cosmetics..... 4
Pickles and sauces..... 1
Printing materials..... 1
Refrigerators..... 1
Rubber tires, tubes, and rubber goods, not elsewhere specified..... 2
Sausage, not made in slaughtering or meat-packing establishments..... 2
Saws..... 1
Show cases..... 2
Slaughtering and meat packing..... 2
Soda-water apparatus..... 1
Statuary and art goods..... 1
Structural ironwork, not made in steel works or rolling mills..... 2
Surgical appliances..... 1
Tobacco, cigars..... 3
Trunks and valises..... 2
Vinegar..... 1
Washing machines and clothes wringers..... 1
Waste, cotton..... 1
Window and door screens..... 3
Wirework..... 2

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

[2] Same number reported throughout year.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	Industry and city.	Number of establishments	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.	Number, 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
1	**EL PASO**—All industries	208	4,777	192	241	297	135	3,912	De 4,422	Ja 3,429	4,501	4,101	362	36	2	*Dollars.* 14,775,356
2	Automobile bodies and parts	3	10	3	.....	.....	.....	7	Oc[3] 8	Ja[3] 6	8	7	1	.....	.....	84,485
3	Automobile repairing	28	176	33	8	5	3	127	Oc 144	Ja 118	138	134	1	3	.....	281,684
4	Bread and other bakery products	24	217	27	6	18	12	154	Oc 161	Je 147	159	144	15	.....	.....	237,351
5	Cars and general shop construction and repairs by steam-railroad companies.	4	1,462	.....	46	29	.....	1,387	De 1,485	Ja 1,302	1,485	1,485	.....	.....	.....	2,509,877
6	Coffee, roasting and grinding	5	43	2	8	4	2	27	De[3] 30	Fe[3] 23	30	14	16	.....	.....	150,811
7	Confectionery and ice cream	13	184	13	16	5	14	136	.....	.....	187	69	111	6	1	233,017
8	Confectionery	8	74	10	5	4	4	51	De[3] 102	Ap 17	105	27	78	.....	.....	115,517
9	Ice cream	5	110	3	11	1	10	85	My 99	Ja 73	82	42	33	6	1	117,500
10	Copper, tin, and sheet-iron work	7	59	5	4	3	1	46	No 57	Ja 23	55	55	.....	.....	.....	163,426
11	Foundry and machine-shop products	7	345	2	13	11	6	313	De 399	Jy 275	398	397	.....	1	.....	934,924
12	Ice, manufactured	4	143	2	12	5	4	120	Jy 161	Ja 89	126	126	.....	.....	.....	978,844
13	Iron and steel, welding	4	13	5	.....	1	1	6	Au 8	Oc 3	7	7	.....	.....	.....	11,874
14	Jewelry	4	17	4	.....	.....	1	12	De[3] 13	Ja[3] 11	13	13	.....	.....	.....	14,143
15	Lumber, planing-mill products, not including planing mills connected with sawmills.	4	184	3	5	17	8	151	De 214	Fe 90	214	213	1	.....	.....	720,344
16	Mattresses and spring beds, not elsewhere specified.	4	50	7	4	4	3	32	De 46	Jy 24	46	37	9	.....	.....	109,437
17	Mineral and carbonated waters	8	77	6	6	10	1	54	Je 70	No 40	47	38	.....	9	.....	207,900
18	Optical goods	4	27	4	3	2	3	15	De[3] 16	Ja 13	15	13	2	.....	.....	82,216
19	Printing and publishing, book and job.	19	203	19	13	15	10	146	No 169	Ja 130	159	115	39	4	1	253,282
20	Printing and publishing, newspapers and periodicals.	14	303	12	30	84	39	138	.....	.....	163	138	12	13	.....	519,000
21	Printing and publishing and job printing.	9	292	6	29	83	36	138	De 162	Ja 120	163	138	12	13	.....	516,550
22	Publishing without printing	5	11	6	1	1	3	.....	.....	.....	.....	.....	.....	.....	.....	3,050
23	All other industries*	52	1,264	45	67	84	27	1,041	.....	.....	1,251	1,096	155	.....	.....	7,282,141

*All other industries embrace—
Artificial stone products 1
Awnings, tents, and sails 1
Bookbinding and blank-book making 1
Boots and shoes 1
Boxes, wooden packing, except cigar boxes 1
Brass, bronze, and copper products 1
Brick and tile, building brick 1
Butter 2
Cars and general shop construction and repairs by electric-railroad companies 1
Chemicals 1
Cleansing and polishing preparations 2
Clothing, men's 2
Druggists' preparations 1
Flour-mill and gristmill products 2
Food preparations, not elsewhere specified 2
Furniture, wood 2
Gas, illuminating and heating 2
Glass, cutting, staining, and ornamenting 1
Lapidary work 1
Lime 1

1	**FORT WORTH**—All industries	229	5,505	194	296	406	157	4,452	No. 4,817	Mh. 4,168	4,796	3,896	833	67	.....	24,084,445
2	Automobile repairing	25	185	35	4	3	4	139	Se. 147	Ja. 132	143	141	2	.....	.....	364,600
3	Bread and other bakery products	17	228	21	8	18	8	173	De. 194	Ja.[3] 158	192	154	34	4	.....	590,417
4	Cars, and general shop construction and repairs by steam-railroad companies.	5	1,013	.....	27	24	4	958	Oc.[3] 997	My. 919	992	989	3	.....	.....	1,509,043
5	Confectionery and ice cream	9	413	8	25	33	14	333	No. 399	Jy. 269	343	182	161	.....	.....	844,715
6	Copper, tin and sheet-iron work	8	89	9	5	2	1	72	No. 100	Ap. 56	76	76	.....	.....	.....	108,460
7	Food preparations, not elsewhere specified.	10	257	3	15	29	18	192	No. 209	Je. 178	164	138	26	.....	.....	1,970,325
8	Foundry and machine-shop products	10	487	10	14	44	7	412	No. 462	Jy. 335	456	425	1	30	.....	1,325,712
9	Ice, manufactured	9	218	.....	26	14	2	176	Jy. 209	Ja. 142	155	155	.....	.....	.....	1,461,877
10	Marble and stone work	4	28	3	1	2	2	20	Je. 22	Ja. 16	21	21	.....	.....	.....	51,768
11	Mattresses and spring beds, not elsewhere specified.	4	28	3	2	1	1	21	De.[3] 25	Ja. 16	22	17	5	.....	.....	38,574
12	Printing and publishing, book and job.	27	332	34	25	28	17	228	Oc. 248	Ja. 215	247	174	68	5	.....	901,320
13	Printing and publishing, newspapers and periodicals.	15	465	7	44	65	22	327	Se. 343	Fe. 306	337	294	43	.....	.....	882,957
14	All other industries*	86	1,762	61	100	143	57	1,401	.....	.....	1,648	1,130	490	28	.....	14,034,677

*All other industries embrace—
Artificial limbs 1
Artificial stone products 1
Automobile bodies and parts 5
Awnings, tents, and sails 2
Boots and shoes, not including rubber boots and shoes 1
Brass and bronze products 1
Brick and tile, building brick 1
Brooms, from broom corn 1
Butter 2
Cars and general shop construction and repairs by steam-railroad companies. 1
Chemicals 2
Clothing, men's 5
Clothing, women's 3
Coffee, roasting and grinding 3
Cooperage, hogsheads and barrels 1
Cordials and flavoring sirups 1
Druggists' preparations 1
Electrical machinery, apparatus, and supplies 1
Engraving, steel and copper plate, including plate printing 1
Fertilizers 1
Flavoring extracts 1
Flour-mill and gristmill products 2
Furniture, wood, other than rattan, willow, and metal 2
Gas, illuminating and heating 1
Glass, cutting, staining, and ornamenting 1
Hand stamps 2
Iron and steel, welding 1
Jewelry 1
Leather goods, not elsewhere specified 2

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—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.
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[1]		

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

Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[1]	Electric horsepower generated in establishments reporting.	
Dollars. 589,998	*Dollars.* 500,519	*Dollars.* 3,886,458	*Dollars.* 40,551	*Dollars.* 159,599	*Dollars.* 270,352	*Dollars.* 8,207,314	*Dollars.* 654,758	*Dollars.* 16,649,982	*Dollars.* 7,787,910	10,848	4,397	2,820	129	.....	3,502	2,516	1
.....	.....	9,325	.....	2,700	219	24,375	862	43,529	18,292	24	.....	.....	.....	.....	24	.....	2
12,089	5,786	130,532	75	21,198	4,883	109,919	5,091	347,683	232,673	118	.....	.....	.....	.....	118	.....	3
16,060	37,674	145,987	.....	13,915	4,096	630,606	25,594	1,023,691	367,491	65	.....	.....	.....	.....	65	.....	4
129,803	37,104	1,853,778	.....	.....	19,636	858,724	118,156	3,017,261	2,040,381	910	710	200	.....	.....	.....	1,798	5
8,890	9,921	17,735	.....	3,315	8,390	214,535	2,454	285,356	68,367	52	.....	.....	.....	.....	52	.....	6
23,665	7,745	64,698	.....	11,140	11,817	252,290	12,809	468,876	203,777	123	.....	.....	4	.....	119	.....	7
8,490	682	29,951	.....	4,950	1,660	88,588	2,884	164,666	73,194	32	.....	.....	4	.....	28	.....	8
15,175	7,063	34,747	.....	6,190	10,157	163,702	9,925	304,210	130,583	91	.....	.....	.....	.....	91	.....	9
8,630	3,966	46,479	5,427	900	2,025	140,057	1,690	233,944	92,197	61	.....	.....	.....	.....	61	.....	10
39,887	28,006	201,925	.....	2,885	14,856	428,234	50,825	904,463	425,404	479	415	.....	.....	.....	64	250	11
23,950	7,809	78,660	8,560	.....	30,486	26,736	127,315	516,394	362,343	2,615	2,164	450	.....	.....	1	273	12
.....	810	5,933	.....	1,111	36	3,605	409	16,642	12,628	4	.....	.....	.....	.....	4	.....	13
.....	240	19,508	.....	2,231	145	12,356	243	43,617	31,018	4	.....	.....	.....	.....	4	.....	14
18,443	33,745	147,836	.....	2,400	8,677	229,178	6,458	455,016	219,380	336	210	.....	.....	.....	126	.....	15
2,460	12,009	24,960	.....	1,260	2,173	109,071	3,374	160,156	47,711	130	.....	.....	.....	.....	130	.....	16
9,776	11,820	38,505	501	2,627	6,198	115,402	2,785	227,745	109,558	50	.....	.....	.....	.....	50	.....	17
8,910	3,499	11,337	.....	6,872	939	27,288	777	85,561	57,496	10	.....	.....	.....	.....	10	.....	18
34,805	23,204	106,453	3,571	13,990	7,904	134,796	4,365	407,542	268,381	75	.....	.....	.....	.....	75	.....	19
87,455	144,880	192,524	22,417	26,629	57,086	503,345	8,072	1,280,629	769,212	163	.....	.....	.....	.....	163	.....	20
86,255	143,120	192,524	3,915	26,045	57,071	503,345	8,072	1,252,630	741,213	163	.....	.....	.....	.....	163	.....	21
1,200	1,760	.....	18,502	584	15	.....	.....	27,999	27,999	.....	.....	.....	.....	.....	.....	.....	22
165,175	132,241	700,283	.....	46,426	90,786	4,386,797	288,479	7,131,877	2,461,601	5,629	898	2,170	125	.....	2,436	195	23

Marble and stone work, monuments and tombstones..... 1
Paints..... 1
Patent medicines and compounds.... 3
Paving materials..... 1
Peanuts, grading, roasting, cleaning, and shelling..... 1
Petroleum, refining..... 1
Photo-engraving, not done in printing establishments..... 1
Saddlery and harness..... 3
Sand-lime brick..... 1
Sausage, not made in slaughtering and meat-packing establishments..... 1
Slaughtering and meat packing..... 2
Structural ironwork, not made in steel works or rolling mills..... 2
Tobacco, cigars..... 3
Trunks and valises..... 3
Typewriters and parts..... 1

926,701	715,550	5,081,951	113,292	153,089	558,723	25,031,039	626,195	38,160,092	12,502,858	14,234	5,999	250	1,604	.....	6,381	1,021	1
3,900	7,241	156,024	.....	11,211	5,005	330,397	4,853	685,558	350,308	113	10	.....	.....	.....	103	.....	2
19,460	32,640	189,807	.....	11,520	7,359	923,902	21,568	1,421,318	475,848	112	.....	.....	.....	.....	112	.....	3
75,266	30,718	1,529,168	.....	.....	12,671	924,933	78,261	2,650,817	1,647,623	305	245	.....	12	.....	48	.....	4
83,771	59,864	222,211	.....	26,400	120,273	1,129,005	58,070	2,165,793	978,718	665	375	.....	5	.....	285	25	5
11,100	2,348	49,054	.....	4,280	849	119,030	1,449	238,295	117,816	6	.....	.....	.....	.....	6	.....	6
34,726	73,401	122,799	.....	1,367	33,926	2,202,375	17,622	2,754,286	534,289	979	80	.....	100	.....	799	.....	7
31,409	68,914	526,605	6,056	4,365	19,785	1,059,933	25,949	1,858,942	773,060	1,092	.....	.....	90	.....	1,002	1	8
81,102	22,556	206,893	.....	.....	55,679	106,587	146,571	888,110	634,952	4,434	3,680	250	130	.....	374	379	9
1,300	4,075	25,169	5,134	1,980	774	63,526	7,155	127,833	57,152	106	.....	.....	.....	.....	106	.....	10
4,117	1,947	22,839	.....	2,840	189	123,897	1,044	230,256	105,315	29	.....	.....	.....	.....	29	.....	11
93,298	78,140	236,449	6,160	16,736	17,554	479,910	7,914	1,323,939	836,115	555	.....	.....	.....	.....	555	.....	12
196,489	84,653	417,001	75,979	13,925	42,958	936,427	12,074	2,506,511	1,558,010	289	.....	.....	.....	.....	289	.....	13
285,763	249,053	1,377,932	19,963	58,465	241,701	16,631,117	243,665	21,308,434	4,433,652	5,549	1,609	.....	1,267	.....	2,673	616	14

Lumber, planing-mill products, not including planing mills connected with sawmills..... 7
Mineral and carbonated waters..... 3
Models and patterns, not including paper patterns..... 1
Musical instruments and materials, not specified..... 1
Optical goods..... 3
Patent medicines and compounds.... 3
Peanuts, grading, roasting, cleaning, and shelling..... 1
Perfumery and cosmetics..... 1
Petroleum, refining..... 1
Photo-engraving, not done in printing establishments..... 1
Pickles and sauces..... 2
Pottery, earthen and stone ware..... 1
Printing and publishing, music, publishing without printing..... 1
Printing materials..... 1
Rubber tires, tubes, and rubber goods, not elsewhere specified..... 1
Saddlery and harness..... 3
Slaughtering and meat packing..... 1
Structural ironwork, not made in steel works or rolling mills..... 2
Tobacco, cigars..... 2
Vinegar..... 1
Window and door screens..... 1

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

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	Industry and city.	Number of establishments	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
1	**HOUSTON**—All industries	383	12,126	316	604	1,034	312	9,860	Mh 10,171	Jy 9,631	10,432	9,250	1,153	24	5	*Dollars.* 49,645,972
2	Automobile bodies and parts	7	138	7	12	5	1	113	Je 126	Mh [3] 107	115	115				243,811
3	Automobile repairing	23	150	24	14	9		103	De [3] 108	Mh 95	108	105	1	2		155,463
4	Bread and other bakery products	33	658	35	32	43	23	525	De 650	My 448	653	361	291		1	1,487,002
5	Brooms, from broom corn	3	15	3		1	1	10	De [3] 11	Ap 8	11	10	1			43,373
6	Carriages and wagons, including repairs.	3	20	5				15	Jy [3] 16	Ja [3] 13	16	16				17,097
7	Cars and general shop construction and repairs by steam-railroad companies.	4	2,304		63	85	14	2,142	Mh 2,233	Je 2,014	2,194	2,193	1			2,397,417
8	Cleansing preparations	3	12	1	2		3	6	My [3] 7	Ja [3] 4	7	7				19,900
9	Coffee, roasting and grinding	5	117	2	7	44	5	59	Jy 63	Au 53	54	30	24			785,714
10	Confectionery and ice cream	9	183	7	8	12	5	151	Jy 174	Ja 104	147	129	18			405,463
11	Copper, tin, and sheet-iron work	24	206	25	10	13	8	150	Jy 167	Mh 132	150	135	3	12		350,655
12	Food preparations, not elsewhere specified.	11	135	11	9	18	3	94	Oc 100	Ap 87	98	90	7	1		763,066
13	Foundry and machine-shop products	29	846	20	58	42	9	717	De 858	Ja 623	863	852	8	3		3,096,397
14	Furniture	6	288	7	14	15	5	247	Au 256	My 232	251	242	9			780,782
15	Ice, manufactured	6	148		13	15	1	119	Jy [3] 137	Ja [3] 93	114	114				869,577
16	Iron and steel, welding	3	7	4				3	(4) 3	(4) 3	3	3				5,360
17	Lumber, planing-mill products, not including planing mills connected with sawmills.	11	466	8	23	23	4	408	Se 452	Ap 374	406	406				754,392
18	Marble and stonework, monuments and tombstones.	3	22	3	1			18	(4) 18	(4) 18	18	18				41,300
19	Mattresses and spring beds, not elsewhere specified.	6	65	4	4	3		54	(4) 54	(4) 54	54	45	9			158,431
20	Mineral and carbonated waters	9	79	12	3	13	1	50	Se 73	Ja 34	44	42	2			169,731
21	Oil and cake, cottonseed	5	335		22	35	2	276	Se 355	Je [3] 178	411	411				3,661,104
22	Patent medicines and compounds	8	40	6	3	9	5	17	Jy [3] 20	Ja [3] 13	23	5	17	1		161,351
23	Printing and publishing, book and job	37	522	30	35	60	20	377	De 392	My 362	398	302	91	2	3	1,099,671
24	Printing and publishing, newspapers and periodicals.	23	533	24	48	185	78	198			202	192	8	2		2,376,662
25	Printing and publishing	6	452	1	37	176	73	165	No 191	Ja 147	167	160	5	2		2,264,008
26	Printing and publishing and job printing.	6	42	5	3	2	1	31	Au [3] 36	Ja [1] 28	33	32	1			95,549
27	Publishing, without printing	11	39	18	8	7	4	2	(4) 2	(4) 2	2		2			17,105
28	Rice, cleaning and polishing	5	195	1	14	33	4	143	Oc 240	Au 64	198	196	2			3,080,927
29	All other industries *	107	4,642	77	209	371	120	3,865			3,894	3,231	661	1	1	26,721,326

* All other industries embrace —

- Artificial limbs 1
- Artificial stone products 2
- Automobiles 2
- Awnings, tents, and sails 2
- Bags, other than paper, not including bags made in textile mills 3
- Baking powders 1
- Bookbinding and blank-book making 1
- Boots and shoes 1
- Boxes, set-up paper boxes 1
- Boxes, wooden packing, except cigar boxes 2
- Brass and bronze products 3
- Brick and tile, building brick 2
- Butter 1
- Buttons 1
- Canning and preserving, vegetables 1
- Cars and general shop construction and repairs by electric-railroad companies 1
- Cars, steam-railroad, not including operations of railroad companies 2
- Cement 1
- Clothing, men's 3
- Coffins, burial cases, and undertakers' goods 1
- Cooperage, hogsheads and barrels 1
- Cordials and flavoring sirups 2
- Druggists' preparations 1
- Electrical machinery, apparatus, and supplies 3
- Electroplating 1
- Engraving, steel and copper plate, including plate printing 1
- Fertilizers 2
- Flavoring extracts 1
- Flour-mill and gristmill products 2
- Gas 1
- Glass, cutting, staining, and ornamenting 1
- Hand stamps 2

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—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.
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars. 1,813,320	*Dollars.* 1,765,839	*Dollars.* 10,401,743	*Dollars.* 214,122	*Dollars.* 273,164	*Dollars.* 1,816,359	*Dollars.* 56,255,247	*Dollars.* 1,536,993	*Dollars.* 86,874,480	*Dollars.* 29,082,240	31,416	13,857	598	3,883	1	13,077	2,681	1
15,735	7,955	111,827	.....	6,554	6,479	159,676	5,280	363,801	198,845	231	.....	.....	.....	.....	231	.....	2
37,328	11,000	115,206	300	23,257	9,790	190,737	5,981	461,774	265,056	83	.....	.....	4	.....	79	.....	3
35,634	106,534	360,244	.....	22,813	25,923	1,953,194	45,404	3,185,516	1,186,918	450	320	5	.....	.....	125	204	4
.....	1,910	6,764	.....	865	242	32,367	116	51,413	18,930	5	.....	.....	.....	.....	5	.....	5
.....	.....	14,112	.....	1,920	49	15,059	632	40,547	24,856	10	.....	.....	.....	.....	10	.....	6
189,232	103,136	2,986,533	.....	.....	14,751	1,240,835	145,433	5,445,508	4,059,240	2,982	570	.....	.....	.....	2,412	.....	7
2,820	2,316	4,863	1,000	1,980	65	11,985	1,774	25,947	12,188	98	40	.....	.....	.....	58	.....	8
32,300	80,937	44,247	.....	790	27,953	2,091,953	7,774	2,558,386	458,659	165	.....	.....	.....	.....	165	.....	9
19,759	18,833	161,767	.....	2,694	5,350	732,103	33,643	1,014,180	248,434	560	.....	.....	.....	.....	560	.....	10
23,640	22,391	179,809	.....	7,769	2,187	599,005	1,562	1,105,596	505,029	45	.....	.....	4	.....	41	.....	11
25,267	31,874	77,718	.....	4,780	21,569	2,012,605	16,740	2,873,742	844,397	506	268	.....	.....	.....	238	44	12
185,699	74,879	877,905	46,352	14,109	90,959	2,070,262	106,929	4,095,836	1,918,645	2,205	100	40	70	.....	1,995	.....	13
43,247	20,846	239,054	3,072	1,748	7,598	833,018	11,108	1,500,329	656,203	691	193	40	.....	.....	458	.....	14
32,748	28,307	144,568	.....	5,400	10,693	25,941	115,161	590,975	449,873	2,376	1,500	33	500	.....	343	472	15
.....	.....	4,420	.....	1,180	20	3,935	166	13,567	9,466	9	.....	.....	.....	.....	9	.....	16
58,407	33,428	373,010	343	5,913	8,677	980,063	4,860	1,788,108	803,185	817	520	.....	.....	.....	297	.....	17
960	.....	27,787	.....	420	263	21,160	1,023	57,432	35,249	50	.....	.....	.....	.....	50	.....	18
4,466	2,104	43,281	.....	1,948	1,639	167,170	2,558	299,183	129,455	131	.....	.....	.....	.....	131	.....	19
6,130	16,843	38,738	.....	2,880	18,079	154,024	2,041	333,945	177,880	59	.....	.....	4	1	54	.....	20
69,351	54,178	234,645	.....	.....	41,653	7,922,120	85,471	9,374,602	1,367,011	4,315	2,350	.....	1,500	.....	465	40	21
5,979	10,391	7,976	.....	4,285	1,068	26,073	102	82,303	56,128	10	.....	.....	.....	.....	10	.....	22
118,517	114,355	392,323	32,857	49,470	64,796	872,774	9,174	2,210,080	1,328,132	383	.....	.....	2	.....	381	.....	23
150,697	339,952	324,470	57,295	34,060	45,207	833,130	25,454	2,538,983	1,675,399	669	100	.....	.....	.....	569	.....	24
125,239	319,716	273,647	150	25,186	44,850	769,172	23,393	2,267,131	1,474,566	599	100	.....	.....	.....	499	.....	25
7,600	4,550	50,615	13,513	6,045	327	61,483	2,049	176,729	113,197	70	.....	.....	.....	.....	70	.....	26
17,858	15,686	208	43,632	2,829	30	2,475	12	90,123	87,636	.....	.....	.....	.....	.....	.....	.....	27
54,224	60,261	125,439	2,056	765	184,779	5,068,154	59,598	6,661,665	1,533,913	2,905	2,750	.....	.....	.....	155	150	28
701,180	623,414	3,504,947	70,847	77,564	1,226,570	28,237,904	849,009	40,206,062	11,119,149	11,661	5,146	480	1,799	.....	4,236	1,771	29

Hats and caps, other than felt, straw, and wool..... 1
Jewelry..... 3
Liquors, malt..... 2
Looking-glass and picture frames..... 2
Lumber and timber products..... 1
Mirrors, framed and unframed..... 2
Models and patterns, not including paper patterns..... 2
Optical goods..... 1
Paints..... 4
Perfumery and cosmetics..... 1
Petroleum, refining..... 1
Photo-engraving, not done in printing establishments..... 2
Pickles, preserves, and sauces..... 4
Plumbers' supplies, not elsewhere specified..... 1
Rubber tires, tubes, and rubber goods, not elsewhere specified..... 1
Saddlery and harness..... 4
Sausage, not made in slaughtering and meat-packing establishments..... 1
Shipbuilding, wooden, including boat building..... 3
Show cases..... 1
Slaughtering and meat packing..... 2
Statuary and art goods..... 1
Structural ironwork, not made in steel works or rolling mills..... 3
Tinware, not elsewhere specified..... 1
Tobacco, cigars..... 1
Tools, not elsewhere specified..... 1
Trunks and valises..... 2
Waste, cotton..... 1
Window and door screens..... 1
Wirework, including wire rope and cable, not elsewhere specified..... 2
Wood preserving..... 2
Wood, turned and carved..... 1
Wooden goods, not elsewhere specified 1
Worsted goods..... 1

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

[2] Same number reported throughout the year.

TABLE 30.—DETAILED STATEMENT OF ALL 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— Maximum month.		Number, 15th day of— Minimum month.			Male.	Female.	Male.	Female.	
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
1	SAN ANTONIO—All industries	318	8,231	324	339	745	209	6,614	De	7,201	Ja	6,063	7,368	5,211	2,143	13	1	Dollars. 22,580,229
2	Automobile bodies and parts	8	45	8	1	1	.....	35	Au	39	Fe	31	35	35	.....	.....	.....	66,911
3	Automobile repairing	16	175	27	7	.....	9	132	De	141	Je	124	137	136	1	.....	.....	175,953
4	Bread and other bakery products	43	300	51	17	10	10	212	No	234	Ja	188	234	196	38	.....	.....	481,267
5	Brooms, from broom corn	4	8	3	1	.....	.....	4	No	11	Ja[3]	2	10	10	.....	.....	.....	14,009
6	Cars and general shop construction and repairs by steam-railroad companies.	3	1,252	.....	13	20	4	1,215	Mh	1,253	Je	1,157	1,251	1,251	.....	.....	.....	1,359,626
7	Clothing, men's	4	203	4	3	3	1	192	Au	230	My	156	224	15	209	.....	.....	210,940
8	Coffee, roasting and grinding	8	38	9	4	9	1	15	Ja	16	Ap[3]	14	14	14	.....	.....	.....	115,840
9	Confectionery and ice cream	11	477	8	19	65	48	337	Je	365	De	291	313	186	119	8	.....	1,261,530
10	Copper, tin, and sheet-iron work	11	67	15	1	1	.....	50	Au	59	Ja[3]	41	55	55	.....	.....	.....	65,484
11	Dental goods	3	12	4	.....	.....	.....	8	Se	9	Fe	7	8	7	1	.....	.....	26,133
12	Electroplating	3	8	4	.....	.....	.....	4	De	6	Ja[3]	3	6	6	.....	.....	.....	6,456
13	Food preparations, not elsewhere specified.	9	72	9	4	4	1	54	Fe	59	Se	46	58	38	20	.....	.....	117,688
14	Foundry and machine-shop products	10	546	10	23	73	16	424	De	482	My	400	486	486	.....	.....	.....	3,053,229
15	Ice, manufactured	7	257	3	16	12	1	225	Au	298	Ja	146	208	208	.....	.....	.....	736,860
16	Lumber, planing-mill products, not including planing mills connected with sawmills.	6	257	3	14	24	6	210	Au	247	Fe	171	221	221	.....	.....	.....	898,634
17	Marble and stone work	7	49	7	2	4	.....	36	Jy	40	Ap	31	37	37	.....	.....	.....	66,077
18	Mattresses and spring beds, not elsewhere specified.	10	40	11	2	2	.....	25	No	27	Jy[3]	23	28	23	5	.....	.....	83,614
19	Mineral and soda waters	9	205	11	18	32	12	192	Oc	249	Ja	79	197	189	8	.....	.....	2,197,346
20	Oil and cake, cottonseed	3	126	.....	11	10	.....	105	No	211	My	22	195	195	.....	.....	.....	927,550
21	Patent medicines and compounds	7	67	24	6	4	1	32	Au	48	Se	13	45	43	2	.....	.....	64,125
22	Printing and publishing	55	1,107	50	59	272	45	681	No	708	My	660	692	613	76	3	.....	1,557,434
23	Slaughtering and meat packing	5	211	.....	16	24	1	170	Fe	200	Oc[3]	133	190	190	.....	.....	.....	641,214
24	Trunks and valises	3	26	5	1	.....	.....	20	De[3]	21	Ap	18	21	20	1	.....	.....	20,377
25	All other industries*	73	2,623	58	101	175	53	2,236	.....		.....		2,703	1,037	1,663	2	1	8,431,932

*All other industries embrace—

Artificial stone products	2
Awnings, tents, and sails	3
Boot and shoe findings	1
Boots and shoes	2
Boxes, cigar	1
Boxes, paper and other, not elsewhere specified	1
Boxes, wooden packing, except cigar boxes	1
Butter	1
Cars and general shop construction and repairs by electric-railroad companies	1
Cleansing preparations	2
Clothing, women's	3
Cooperage	3
Druggists' preparations	1
Engines, steam, gas and water	1
Engraving and designing	1
Engraving, steel and copper plate, including plate printing	1
Flour-mill and gristmill products	2
Furniture	2
Gas, illuminating and heating	2
Glass, cutting, staining, and ornamenting	2
Hand stamps	1

	CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																	
1	ABILENE	22	194	31	16	13	4	138	Au	130	Mh	119	137	105	22	10	.....	581,857
2	AMARILLO	42	613	44	43	20	10	496	De	535	Ja	442	528	476	50	1	1	1,048,908
3	AUSTIN	91	1,037	85	79	102	26	745	Oc	859	Fe	687	846	742	101	3	.....	4,305,938
4	BEAUMONT	69	2,000	41	152	171	51	1,585	Ja	1,872	Se	1,372	1,773	1,707	65	1	.....	7,891,473
5	BROWNSVILLE	18	156	16	15	6	.....	119	Se[3]	138	Ja[3]	102	116	110	4	2	.....	330,545
6	CLEBURNE	33	1,264	31	50	44	12	1,127	Oc	1,246	Mh	1,001	1,239	1,117	107	15	.....	1,001,151
7	CORPUS CHRISTI	20	158	20	13	23	8	94	Se	119	Mh	71	122	109	3	10	.....	1,021,494
8	CORSICANA	40	729	48	29	48	5	599	Se	692	Mh	519	671	585	84	2	.....	5,907,358
9	DEL RIO	6	105	5	3	3	1	93	De	102	Fe[3]	89	101	99	1	1	.....	266,852
10	DENISON	42	1,217	37	51	26	19	1,084	No	1,166	Fe	1,029	1,147	1,123	24	.....	.....	1,991,157
11	GALVESTON	118	1,904	115	107	211	55	1,416	De	1,859	Mh	1,284	1,843	1,644	197	2	.....	10,667,805
12	GREENVILLE	29	260	31	32	20	14	163	De	221	My	119	226	214	12	.....	.....	3,179,851
13	LAREDO	30	363	30	16	11	3	303	Ap	317	Fe	276	338	290	45	3	.....	684,457
14	MARSHALL	24	1,815	19	73	36	17	1,670	Ap	1,917	De	1,573	1,638	1,614	20	4	.....	9,147,405
15	PALESTINE	17	1,187	15	36	37	15	1,084	De	1,124	Ja	1,034	1,131	1,122	3	6	.....	2,060,710
16	PARIS	52	1,164	51	69	83	22	939	Se	1,051	My	848	1,008	858	138	11	1	3,808,105
17	RANGER	17	237	14	31	19	3	170	Oc	226	Fe	89	213	203	3	7	.....	894,262
18	SAN ANGELO	30	202	31	9	9	9	144	Se	158	Ap	132	142	127	1	14	.....	401,087
19	SHERMAN	53	1,098	36	66	97	28	871	Se	1,036	Ap	714	943	682	258	1	2	9,392,282
20	TEMPLE	45	566	53	36	46	19	412	No	536	Ap	338	530	495	34	1	.....	2,043,838
21	TEXARKANA	38	963	25	49	63	24	802	Au	853	Oc	774	837	786	48	3	.....	3,085,042
22	TYLER	33	863	35	46	36	14	732	Au	762	My	696	756	678	77	1	.....	1,858,068
23	WACO	134	1,795	120	110	169	34	1,362	Se	1,512	Mh	1,226	1,538	1,267	265	6	.....	6,650,809
24	WICHITA FALLS	69	1,236	90	64	109	41	932	De	1,099	Fe	805	1,110	1,064	43	3	.....	15,945,418

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—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.
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[1]		

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

Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[1]	Electric horsepower generated in establishments reporting.	
Dollars. 976,300	*Dollars.* 1,147,747	*Dollars.* 5,794,311	*Dollars.* 54,097	*Dollars.* 157,717	*Dollars.* 697,558	*Dollars.* 21,313,266	*Dollars.* 935,337	*Dollars.* 35,455,578	*Dollars.* 13,206,975	13,040	5,848	1,300	620	.....	5,272	908	1
2,080	2,100	41,564	.....	4,488	1,649	64,201	196	140,591	76,194	16	.....	.....	2	.....	14	.....	2
13,286	8,842	153,449	.....	13,391	955	104,761	4,844	347,776	238,171	116	.....	.....	45	.....	71	.....	3
31,808	25,697	221,198	504	20,431	14,444	1,022,226	43,374	1,565,727	500,127	211	.....	.....	9	.....	202	.....	4
250	.....	3,383	.....	160	35	8,711	92	20,237	11,434	10	.....	.....	.....	.....	10	.....	5
35,429	28,612	1,644,826	.....	.....	3,871	634,458	43,934	2,455,050	1,776,658	627	121	.....	.....	.....	506	.....	6
13,560	8,387	79,276	.....	2,640	5,570	394,489	3,949	665,433	266,995	37	.....	.....	.....	.....	37	.....	7
9,855	8,357	15,456	1,865	4,380	12,957	363,724	3,714	487,106	119,668	55	.....	.....	.....	.....	55	.....	8
80,337	125,707	232,673	.....	5,368	60,984	902,733	43,230	1,805,346	799,383	617	66	.....	.....	.....	551	.....	9
1,125	1,400	60,269	200	4,065	446	83,229	1,737	198,863	113,897	35	.....	.....	.....	.....	35	.....	10
.....	.....	5,598	.....	600	62	13,713	228	31,359	17,418	5	.....	.....	.....	.....	5	.....	11
.....	.....	5,972	.....	2,260	37	1,564	859	12,538	10,115	23	.....	.....	.....	.....	23	.....	12
6,122	4,366	32,560	.....	3,209	814	175,635	6,088	249,918	68,195	201	80	.....	6	.....	115	.....	13
79,580	179,190	450,966	3,540	3,070	63,022	1,434,866	31,978	2,466,088	999,244	643	155	.....	45	.....	443	.....	14
44,841	23,372	204,397	1,500	174	37,860	91,244	128,568	692,131	472,319	1,442	130	.....	.....	.....	1,312	.....	15
33,348	27,154	183,853	.....	720	39,808	329,197	8,876	721,356	383,283	502	465	.....	6	.....	31	.....	16
2,000	5,500	45,718	9,210	720	960	52,822	2,887	136,901	81,192	134	.....	.....	105	.....	29	.....	17
4,040	1,083	16,138	50	1,393	313	91,752	740	134,349	41,857	38	.....	.....	2	.....	36	5	18
54,161	79,724	259,272	237	5,228	86,015	806,251	64,152	1,581,428	711,025	2,281	1,125	1,050	.....	.....	106	753	19
25,726	14,043	81,436	.....	.....	7,892	1,789,954	45,441	2,083,599	248,204	1,435	1,425	.....	10	.....	.....	.....	20
5,100	4,745	18,758	.....	927	113	38,384	118	77,342	38,840	11	.....	.....	.....	.....	11	.....	21
173,063	283,864	575,382	27,164	35,013	63,306	977,852	27,858	2,858,670	1,852,960	642	.....	.....	2	.....	640	.....	22
36,555	36,337	188,743	981	1,060	40,412	2,218,592	40,852	2,710,847	451,403	748	651	.....	.....	.....	97	150	23
2,500	.....	21,393	.....	2,570	945	47,321	122	89,799	42,356	5	.....	.....	.....	.....	5	.....	24
321,534	279,267	1,252,031	8,846	45,850	255,088	9,605,587	431,500	13,923,124	3,886,037	3,206	1,630	250	388	.....	938	.....	25

Instruments, professional and scientific	1	Minerals and earths, ground	1	Sausage, not made in slaughtering and meat-packing establishments	1	Structural ironwork, not made in steel works or rolling mills	1
Iron and steel, welding	2	Optical goods	2	Shirts	2	Tobacco, smoking	1
Jewelry	3	Petroleum, refining	2	Soap	2	Tobacco, cigars	4
Lamps and reflectors	1	Photo-engraving	2	Stationery and art goods	1	Toys and games	1
Leather, tanned, curried, and finished	1	Pickles, preserves, and sauces	4	Stoves, gas and oil	1	Vinegar	2
		Saddlery and harness	3			Wirework	1

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

29,228	15,042	105,871	421	12,936	5,276	438,209	14,085	765,834	313,540	469	195	.....	30	.....	244	.....	1
92,741	30,513	673,075	6,058	18,335	29,523	746,277	61,884	1,896,601	1,088,440	1,612	801	.....	8	.....	803	18	2
181,371	166,727	698,870	218,938	39,085	41,040	2,691,856	174,756	4,996,021	2,129,409	3,302	1,610	50	535	.....	1,107	224	3
446,068	313,095	1,974,772	36,629	46,099	340,624	10,103,258	219,746	14,921,682	4,598,678	7,265	4,385	.....	25	.....	2,855	280	4
15,394	1,739	90,575	460	4,200	9,841	304,363	34,496	504,754	165,895	770	650	.....	.....	.....	120	.....	5
129,056	70,254	1,495,746	.....	13,899	18,407	1,217,930	168,711	3,334,989	1,948,348	1,757	675	.....	.....	.....	1,082	5	6
17,878	29,853	92,462	1,268	7,112	7,837	330,488	36,227	647,049	280,334	575	430	10	.....	.....	135	25	7
91,690	86,420	654,585	1,560	16,163	312,887	4,825,259	162,633	8,001,243	3,013,351	2,871	1,110	.....	1,000	2	759	620	8
3,078	3,001	119,069	.....	1,210	955	101,189	16,857	271,260	153,214	183	170	.....	.....	.....	13	3	9
119,722	47,687	1,579,830	3,215	7,513	38,235	2,947,080	79,757	5,077,916	2,051,079	3,806	1,074	.....	154	.....	2,578	.....	10
261,663	335,409	1,692,186	100,976	59,143	199,903	10,339,976	240,735	14,979,034	4,398,323	7,643	3,349	240	252	.....	3,802	1,092	11
72,190	55,669	206,794	1,800	8,964	47,144	3,152,621	79,401	4,152,399	920,377	1,871	1,705	.....	.....	5	161	143	12
21,554	12,002	237,793	1,140	7,155	9,480	232,730	34,115	704,877	438,032	584	319	.....	152	.....	113	75	13
171,173	72,857	2,119,298	240	5,535	69,727	4,165,418	103,479	6,904,078	2,635,181	1,533	1,016	.....	225	.....	292	40	14
88,287	62,464	1,352,561	1,500	3,795	15,990	1,060,229	102,551	2,809,713	1,646,933	1,960	750	.....	.....	6	1,204	10	15
184,108	187,168	711,317	.....	25,260	126,620	3,777,917	96,350	6,079,514	2,205,247	3,788	1,400	21	152	.....	2,215	2	16
42,847	22,922	221,063	4,935	7,689	17,285	626,104	10,723	1,357,517	720,690	629	423	.....	133	.....	73	16	17
16,020	15,389	136,948	720	11,184	3,822	162,686	30,280	453,621	260,655	743	516	.....	4	.....	223	.....	18
172,980	199,766	699,207	16,837	18,286	211,100	15,942,872	129,244	19,175,558	3,103,442	4,314	1,710	.....	199	.....	2,405	144	19
110,716	65,988	467,350	12,362	16,370	41,211	1,711,502	87,440	2,839,366	1,040,424	1,841	905	.....	4	.....	932	51	20
140,536	118,631	787,665	7,203	11,383	135,782	2,491,386	98,444	4,474,319	1,884,489	3,519	2,120	.....	230	.....	1,169	20	21
108,537	48,246	808,030	3,064	7,609	19,882	1,177,227	73,503	2,615,694	1,364,964	2,289	1,817	80	19	15	358	923	22
347,561	317,877	1,271,721	37,151	94,016	146,969	8,094,899	199,340	13,085,252	4,791,013	4,981	1,920	118	148	.....	2,795	185	23
267,882	134,789	1,342,835	9,284	30,281	211,082	11,447,214	217,906	16,832,429	5,167,309	3,519	1,230	.....	541	.....	1,748	76	24

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

[1] Excludes Port Arthur to avoid disclosure of individual operations.

UTAH.

GENERAL STATISTICS.

General character of the state.—Utah has a gross area of 84,990 square miles, of which 82,184 represent land surface. The inhabitants of the state in 1900 numbered 276,749; in 1910, 373,351; and in 1920, 449,396. In total population Utah ranked fortieth among the states in 1920. The number of inhabitants per square mile in 1910 was 4.5, the corresponding figure for 1920 being 5.5.

In 1920 there were three cities in the state—Ogden, Provo, and Salt Lake City—having more than 10,000 inhabitants. These three cities, with a combined population of 161,217 in that year, formed 35.9 per cent of the total population for Utah, and in 1919 reported 33.8 per cent of the value of the state's manufactured products.

Importance and growth of manufactures (Table 1).—The increases in wages, cost of materials, and the value of products, as presented in Table 1, are in a great measure due to the change in industrial conditions brought about by the World War. However, the increases in primary horsepower and number of wage earners employed evidence the growth of the state's manufacturing activities. The addition of the Federal income tax since 1914 accounts for the large increase in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those for prior censuses. Salt Lake County, which includes Salt Lake City, is by far the most important county, reporting 48 per cent of the average number of wage earners in the state and 51 per cent of the value of products.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is often misleading, as indicating their importance from a manufacturing standpoint. Their ranking might change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The 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." The classification by sex, for 1919, was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 29.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed 200 or more wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—Increases are shown from census to census in all the details of this table, except that for Ogden the number under 16 years of age decreased from 1914 to 1919.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the several census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, similar data are given for males and females for all industries combined, and also for the cities of Ogden, Provo, and Salt Lake City. There were a number of industries in the state in 1919 which reported a large proportion of female wage earners.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Utah. In that year 28.6 per cent of the wage earners were included in the group "48 and under," as against 50.6 per cent in 1919. In 1914 the "60" and "over 60" groups constituted 24.6 per cent of the total wage earners, as compared with 8.1 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state 96.6 per cent were in the several classes having less than 101 wage earners, while such establishments employed but 42.4 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 3.4 per cent of the total manufacturing establishments in the state, but reported 57.6 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at $100,000 to $1,000,000 constituted one group, but at the census of 1919 this group was subdivided into "$100,000 to $500,000" and "$500,000 to $1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups for 1909, and in the case of average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in some instances to combine the establishments of one group of the industry with those of some other group of that industry, to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table strikingly illustrates the fact that the number of establishments of itself is no index of the extent of manufacturing activities. Ogden, with only 22.1 per cent of the aggregate number of establishments shown in this table, reported 34.2 per cent of the combined value of products of the three cities.

Character of ownership (Table 14).—The predominance of corporate ownership is clearly brought out in this table. Although corporations owned but 39.1 per cent of the number of establishments in the state in 1919, they reported 90.6 per cent of the average number of wage earners and 93.4 per cent of the total value of products. During the five-year period 1914 to 1919 the average number of wage earners in corporations increased 4,863, or 39.8 per cent, and the value of products $65,565,483, or 80.9 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in these three cities in 1919 represented 50 per cent of the total in the state. They reported in that year 53 per cent of the average number of wage earners and 33.8 per cent of the value of products.

Principal industries in Salt Lake City, with per cent of total for the state (Table 16).—This table includes all industries in Salt Lake City having products of $500,000 and over for which figures can be shown without disclosing the operations of individual establishments.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919 as compared with that for 1914 shows an increase of 34,406 horsepower, or 57.8 per cent. Of this increase 13,538 horsepower, or 39.3 per cent, was in owned power, and 20,868 horsepower, or 60.7 per cent, in rented power.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE.			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments	1,160	1,109	749	606	575	4.6	48.1	23.6	5.4
Persons engaged	23,107	17,126	14,133	9,650	(1)	34.9	21.2	46.5	.....
Proprietors and firm members	1,089	999	688	619	(1)	9.0	45.2	11.1	.....
Salaried employees	3,150	2,233	1,660	979	599	41.1	34.5	69.6	63.4
Wage earners (average number)	18,868	13,894	11,785	8,052	5,413	35.8	17.9	46.4	48.8
Primary horsepower	93,942	59,536	42,947	19,397	12,674	57.8	38.6	121.4	53.0
Capital	$140,785,034	$71,843,168	$52,626,640	$26,004,011	$13,219,039	96.0	36.5	102.4	96.7
Salaries and wages	27,135,482	13,695,957	10,366,053	6,195,753	3,263,134	98.1	32.1	67.3	89.9
Salaries	5,680,485	2,843,625	1,966,419	1,038,353	500,612	99.8	44.6	89.4	107.4
Wages	21,454,997	10,852,332	8,399,634	5,157,400	2,762,522	97.7	29.2	62.9	86.7
Paid for contract work	357,022	277,662	104,176	70,186	(1)	28.6	166.5	48.4	.....
Rent and taxes	3,308,252	986,464	684,230	[2] 232,397	(1)	235.4	44.2	.....	.....
Cost of materials	110,154,349	62,233,180	41,265,661	24,939,827	11,440,250	77.0	50.8	65.5	118.0
Value of products	156,933,071	87,112,360	61,989,277	38,926,464	17,981,648	80.2	40.5	59.2	116.5
Value added by manufacture [3]	46,778,722	24,879,180	20,723,616	13,986,637	6,541,398	88.0	20.1	48.2	113.8

[1] Figures not available. [2] Exclusive of internal revenue. [3] Value of products less cost of materials.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
		Average number.	Wages.					
The state	1,160	18,868	$21,454,997	$3,308,252	$110,154,349	$156,033,071	$46,778,722	93,942
Beaver	13	177	288,004	2,473	217,098	558,030	340,938	325
Box Elder	58	768	826,812	164,162	3,156,418	5,215,540	2,059,122	4,319
Cache	53	910	738,285	187,928	6,720,892	9,707,534	3,076,642	4,443
Carbon	30	318	499,137	33,916	1,456,150	2,545,514	1,089,364	271
Davis	19	405	412,762	231,355	5,305,870	6,736,850	1,430,980	2,414
Duchesne	23	35	35,504	3,128	174,947	266,119	91,172	656
Emery	8	6	4,430	423	6,685	25,462	18,777	80
Garfield	9	9	8,344	444	3,728	25,318	21,590	195
Iron	15	19	18,781	2,307	35,638	88,596	52,958	230
Juab	15	45	55,909	7,804	220,358	361,580	141,222	334

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919—Continued.

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
		Average number.	Wages.					
Millard	15	130	$212,899	$2,124	$296,466	$546,495	$250,029	429
Morgan	6	177	182,122	45,706	435,925	1,174,364	738,439	5,153
Piute	4	108	177,859	16,170	214,726	643,657	428,931	727
Rich	7	4	3,998	219	42,321	52,880	10,559	100
Salt Lake	461	9,063	10,817,648	1,553,821	56,969,027	79,998,194	23,029,167	41,957
San Juan	9	19	17,058	555	5,275	42,072	36,797	245
Sanpete	41	201	154,261	49,148	899,391	1,662,019	762,628	1,749
Sevier	34	135	177,474	132,976	1,167,204	1,771,965	604,761	1,261
Summit	25	133	172,030	8,260	252,584	471,364	218,780	714
Tooele	16	1,055	1,586,358	68,055	11,064,830	13,209,797	2,144,967	11,152
Utah	102	1,527	1,151,834	486,639	5,043,197	8,297,380	3,254,183	6,797
Wasatch	12	27	27,728	3,638	106,994	162,842	55,848	384
Washington	9	9	8,748	617	37,914	67,311	29,397	94
Wayne	6	3	2,521	374	7,804	14,599	6,795	146
Weber	153	3,549	3,834,374	303,127	16,220,423	23,006,548	6,786,125	9,280
All other counties[1]	17	36	40,057	2,883	92,484	191,035	98,551	486

[1] All other counties include Daggett, Grand, Kane, and Uintah.

TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries	1,160	18,868	100.0	$156,933	100.0	$46,779	100.0
Smelting, lead	3	1,749	9.3	27,518	17.5	3,780	8.1
Sugar, beet	16	2,214	11.7	20,509	13.1	7,939	17.0
Slaughtering and meat packing	11	446	2.4	11,124	7.1	1,092	2.3
Cars and general shop construction and repairs by steam-railroad companies	9	3,318	17.6	8,585	5.5	5,351	11.4
Flour-mill and gristmill products	77	249	1.3	7,569	4.8	1,017	2.2
Confectionery and ice cream	49	1,123	6.0	6,238	4.0	2,939	6.3
Canning and preserving, fruits and vegetables	31	1,051	5.6	4,390	2.8	1,735	3.7
Bread and other bakery products	97	485	2.6	3,357	2.1	1,223	2.6
Printing and publishing, newspapers and periodicals	101	825	4.4	3,130	2.0	2,264	4.8
Butter	17	116	0.6	2,699	1.7	342	0.7
Foundry and machine-shop products	29	490	2.6	1,941	1.2	1,158	2.5
Chemicals	8	454	2.4	1,709	1.1	922	2.0
Cement	3	280	1.5	1,657	1.1	1,062	2.3
Automobile repairing	125	426	2.2	1,537	1.0	948	2.0
Printing and publishing, book and job	51	373	2.0	1,384	0.9	861	1.8
Food preparations, not elsewhere specified	16	44	0.2	$1,273	0.8	$105	0.2
Knit goods	10	198	1.0	1,156	0.7	369	0.8
Brick and tile, and fire-clay products	21	440	2.3	1,144	0.7	900	1.9
Copper, tin, and sheet-iron work	48	149	0.8	1,017	0.7	475	1.0
Lumber, planing-mill products, not including planing mills connected with sawmills	33	200	1.0	950	0.6	526	1.1
Gas, illuminating and heating	4	172	0.9	790	0.5	495	1.1
Saddlery and harness	18	67	0.4	662	0.4	221	0.5
Clothing, men's	3	150	0.8	652	0.4	292	0.6
Coffee, roasting and grinding	3	32	0.2	485	0.3	127	0.3
Mineral and soda waters	23	63	0.3	434	0.3	231	0.5
Mattresses and spring beds	8	80	0.4	446	0.3	188	0.4
Ice, manufactured	17	105	0.6	396	0.3	307	0.7
Lumber and timber products	80	166	0.9	387	0.2	330	0.7
Marble and stone work, except slate	18	50	0.3	340	0.2	200	0.4
Cars and general shop construction and repairs by electric-railroad companies	3	152	0.8	313	0.2	207	0.4
All other industries[1]	228	3,201	17.0	43,031	27.4	9,173	19.6

[1] Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are a number having products in excess of some for which figures are shown in the table. Of these industries the most important are the following: Coke, not including gas-house coke; condensed milk; explosives; iron and steel, steel works and rolling mills; petroleum, refining; salt; smelting, copper; and tinware, not elsewhere specified.

TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL.	
					Male.	Female.
All classes	1919	23,107	19,881	3,226	86.0	14.0
	1914	17,126	15,143	1,983	88.4	11.6
	1909	14,133	12,680	1,453	89.7	10.3
Proprietors and officials	1919	2,235	2,152	83	96.3	3.7
	1914	1,738	1,686	52	97.0	3.0
	1909	1,221	1,195	26	97.9	2.1
Proprietors and firm members	1919	1,089	1,030	59	94.6	5.4
	1914	999	968	31	96.9	3.1
	1909	688	673	15	97.8	2.2
Salaried officers of corporations	1919	266	259	7	97.4	2.6
	1914	192	184	8	95.8	4.2
	1909	135	132	3	97.8	2.2
Superintendents and managers	1919	880	863	17	98.1	1.9
	1914	547	534	13	97.6	2.4
	1909	398	390	8	98.0	2.0
Clerks and other subordinate salaried employees	1919	2,004	1,432	572	71.5	28.5
	1914	1,494	1,298	196	86.9	13.1
	1909	1,127	923	204	81.9	18.1
Wage earners (average number)	1919	18,868	16,297	2,571	86.4	13.6
	1914	13,894	12,159	1,735	87.5	12.5
	1909	11,785	10,562	1,223	89.6	10.4
16 years of age and over	1919	18,655	16,156	2,499	86.6	13.4
	1914	13,687	12,031	1,656	87.9	12.1
	1909	11,675	10,470	1,205	89.7	10.3
Under 16 years of age	1919	213	141	72	66.2	33.8
	1914	207	128	79	61.8	38.2
	1909	110	92	18	83.6	16.4

TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Census year.	Wage earners (average number).	PER CENT OF TOTAL. 16 years of age and over. Male.	Female.	Under 16 years of age.
All industries	1919	18,868	85.6	13.2	1.1
	1914	13,894	86.6	11.9	1.4
	1909	11,785	88.8	10.2	0.9
Automobile repairing	1919	426	99.3	0.2	0.5
	1914	31	100.0	.....	.....
Bread and other bakery products	1919	485	63.3	34.0	2.7
	1914	306	81.7	17.3	1.0
Brick and tile, and fire-clay products	1919	440	98.4	0.2	1.4
	1914	438	96.8	.....	3.2
Canning and preserving, fruits and vegetables.	1919	1,051	48.0	48.9	3.0
	1914	634	35.0	53.0	12.0
Cars and general shop construction and repairs by steam-railroad companies.	1919	3,318	99.4	0.6	.....
	1914	2,193	99.9	0.1	.....
Cement	1919	280	97.5	2.5	.....
	1914	267	99.3	0.7	.....
Chemicals [1]	1919	454	98.9	1.1	.....
Confectionery and ice cream	1919	1,123	36.1	57.7	6.2
	1914	762	33.1	63.6	3.3
Flour-mill and gristmill products	1919	249	95.6	4.0	0.4
	1914	198	99.0	.....	1.0
Foundry and machine-shop products [2]	1919	495	97.6	0.6	1.8
	1914	469	99.1	.....	0.9
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	200	100.0	.....	.....
	1914	356	99.4	0.3	0.3
Printing and publishing, book and job	1919	373	76.7	19.3	4.0
	1914	261	82.8	13.0	4.2
Printing and publishing, newspapers and periodicals.	1919	825	90.4	6.8	2.8
	1914	536	81.7	13.8	4.5
Slaughtering and meat packing	1919	446	89.2	10.8	.....
	1914	138	94.9	5.1	.....
Smelting, lead	1919	1,749	99.9	0.1	.....
	1914	1,882	99.9	.....	0.1
Sugar, beet [1]	1919	2,214	93.1	6.9	.....
All other industries	1919	4,740	82.3	16.8	0.9
	1914	5,423	87.0	12.2	0.8

[1] Not shown separately in 1914.

[2] Includes "iron and steel, welding."

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	OGDEN.			PROVO.[1]		SALT LAKE CITY.		
	1919	1914	1909	1919	1914	1919	1914	1909
Wage earners (average number)	3,111	1,894	1,323	525	330	6,362	4,931	4,287
16 years of age and over	3,087	1,846	1,319	518	325	6,226	4,849	4,243
Male	2,554	1,458	1,057	347	198	5,133	4,020	3,566
Female	533	388	262	171	127	1,093	829	677
Under 16 years of age	24	48	4	7	5	136	82	44
Value of products	$18,149,831	$6,014,358	$3,712,957	$1,539,461	$843,722	$33,356,911	$16,662,940	$13,351,547

[1] Figures for 1909 are not available.

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER.[1] 1919	1914	1909	PER CENT OF MAXIMUM. 1919	1914	1909	MONTH.	NUMBER.[1] 1919	1914	1909	PER CENT OF MAXIMUM. 1919	1914	1909
January	18,819	13,035	11,412	83.3	82.5	86.0	July	19,152	15,401	12,436	84.8	97.5	93.7
February	17,028	*12,382*	*10,449*	75.4	78.4	78.7	August	19,600	14,993	12,234	86.8	94.9	92.1
March	16,280	12,578	10,594	72.1	79.6	79.8	September	20,412	**15,794**	**13,277**	90.4	100.0	100.0
April	*16,196*	13,101	10,830	71.7	82.9	81.6	October	**22,592**	15,525	13,070	**100.0**	98.3	98.4
May	16,286	13,386	10,749	72.1	84.8	81.0	November	21,740	13,334	12,445	96.2	84.4	93.7
June	17,400	14,262	11,868	77.0	90.3	89.4	December	20,911	12,937	12,053	92.6	81.9	90.8

[1] The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by **bold-faced** figures, minimum by *italic* figures.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	18,868	18,819	17,028	16,280	*16,196*	16,286	17,400	19,152	19,600	20,412	22,592	21,740	20,911	71.7
Males	16,297	17,013	15,254	14,494	*14,418*	14,426	15,160	15,962	16,470	16,639	18,713	18,763	18,252	76.8
Females	2,571	1,806	*1,774*	1,786	1,778	1,860	2,240	3,190	3,130	3,773	3,879	2,977	2,659	45.7
Automobile repairing	426	*304*	327	345	378	433	476	505	506	492	459	445	442	60.1
Bread and other bakery products	485	*445*	452	461	455	471	507	510	515	493	498	515	498	86.4
Brick and tile and fire-clay products	440	*261*	274	337	377	445	530	554	594	580	494	434	400	43.9
Canning and preserving, fruits and vegetables	1,051	254	213	*203*	253	326	841	2,323	2,170	2,888	2,116	704	321	7.0
Cars and general shop construction and repairs by steam-railroad companies	3,318	3,398	3,496	3,472	3,370	*2,847*	3,075	3,143	3,257	3,344	3,436	3,467	3,511	81.1
Cement	280	*172*	182	233	253	290	299	304	341	352	334	305	295	48.9
Chemicals	454	492	453	547	437	351	*342*	455	486	496	491	449	449	62.5
Confectionery and ice cream	1,123	*1,005*	1,052	1,054	1,078	1,102	1,140	1,057	1,018	1,107	1,227	1,326	1,310	75.8
Flour-mill and gristmill products	249	*228*	241	237	231	232	233	232	256	267	281	284	266	80.3
Foundry and machine-shop products	490	587	569	564	535	560	584	558	557	*260*	296	370	440	44.3
Lumber, planing-mill products, not including planing mills connected with sawmills	200	*153*	155	165	168	176	198	204	226	226	226	251	252	60.7
Printing and publishing, book and job	373	354	357	358	369	379	372	*346*	364	372	387	407	411	84.2
Printing and publishing, newspaper and periodicals	825	824	821	821	824	823	*817*	822	820	824	834	834	836	97.7
Slaughtering and meat packing	446	554	476	452	451	460	433	442	414	*399*	414	426	431	72.0
Smelting, lead	1,749	2,253	2,003	1,957	1,813	1,596	*1,514*	1,539	1,600	1,585	1,685	1,745	1,698	67.2
Sugar, beet	2,214	2,825	1,825	*775*	864	1,059	1,258	1,109	1,234	1,467	4,493	5,024	4,635	15.4
All other industries	4,745	4,710	*4,132*	4,299	4,340	4,736	4,781	5,049	5,242	5,260	4,921	4,754	4,716	78.6
Industries showing large proportion of females.														
Bread and other bakery products	169	*147*	153	160	158	162	182	181	181	167	180	186	171	79.0
Canning and preserving, fruits and vegetables	535	33	*16*	38	18	29	328	1,290	1,191	1,738	1,303	337	99	0.9
Confectionery and ice cream	686	618	643	645	653	661	677	603	*583*	662	776	868	843	67.2
Printing and publishing, book and job	73	71	*64*	67	67	78	73	74	75	67	78	79	83	77.1
Printing and publishing, newspapers and periodicals	58	*54*	55	55	55	55	56	58	57	57	59	64	71	76.1
Slaughtering and meat packing	48	48	44	58	59	60	50	57	42	40	40	*39*	*39*	65.0
Sugar, beet	152	157	79	*17*	18	21	24	19	21	39	497	436	446	3.4
Total for cities	9,998	*9,146*	9,291	9,348	9,451	9,289	10,004	10,485	10,502	11,020	10,862	10,357	10,221	83.0
Males	8,143	7,678	7,779	7,786	7,887	*7,673*	8,189	8,410	8,594	8,602	8,425	8,353	8,340	89.2
Females	1,855	*1,468*	1,512	1,562	1,564	1,616	1,815	2,075	1,908	2,418	2,437	2,004	1,881	60.2
OGDEN	3,111	*2,674*	2,746	2,815	2,863	2,903	3,141	3,464	3,391	3,845	3,541	3,071	2,878	69.5
Males	2,562	*2,296*	2,370	2,395	2,443	2,483	2,588	2,702	2,738	2,967	2,760	2,547	2,454	77.4
Females	549	378	*376*	420	420	420	553	761	653	878	781	524	424	42.8
PROVO	525	386	381	*367*	376	409	475	627	558	830	823	553	515	44.2
Males	354	314	309	*301*	313	323	348	387	379	414	405	383	372	72.7
Females	171	72	72	66	*63*	86	127	240	179	416	418	170	143	15.1
SALT LAKE CITY	6,362	6,086	6,164	6,166	6,212	*5,977*	6,388	6,394	6,553	6,345	6,498	6,733	6,828	87.5
Males	5,227	5,068	5,100	5,090	5,131	*4,867*	5,253	5,320	5,477	5,221	5,260	5,423	5,514	88.3
Females	1,135	*1,018*	1,064	1,076	1,081	1,110	1,135	1,074	1,076	1,124	1,238	1,310	1,314	77.5

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries	1919	18,868	1,302	734	7,514	1,021	890	5,879	116	1,406
	1914	13,394	(2)	(2)	3,977	1,011	2,158	3,331	1,826	1,591
	1909	11,785	(2)	(2)	2,093	874	2,072	3,545	1,182	2,019
Automobile repairing	1919	426	.....	.....	181	53	179	11	2	.....
	1914	31	.....	.....	.....	.....	31	.....	.....	.....
Bread and other bakery products	1919	485	11	88	268	60	33	19	4	2
	1914	306	(2)	(2)	24	2	109	2	157	12
Brick and tile, and fire-clay products	1919	440	1	.....	395	.....	37	7	.....	.....
	1914	438	(2)	(2)	195	.....	60	4	83	96
Canning and preserving, fruits and vegetables	1919	1,051	8	.....	530	182	148	35	15	133
	1914	634	(2)	(2)	61	21	121	35	393	.....
Cars and general shop construction and repairs by steam-railroad companies.	1919	3,318	.....	.....	2,188	.....	.....	1,130	.....	.....
	1914	2,193	(2)	(2)	790	.....	364	804	102	133
Cement	1919	280	.....	.....	88	.....	.....	97	.....	95
	1914	267	.....	.....	.....	.....	.....	.....	175	92
Chemicals[3]	1919	454	7	.....	80	.....	84	111	.....	172
Confectionery and ice cream	1919	1,123	390	262	197	217	6	.....	.....	51
	1914	762	(2)	(2)	55	270	397	2	3	35
Flour-mill and gristmill products	1919	249	24	.....	62	40	51	1	55	16
	1914	198	(2)	(2)	9	.....	38	15	86	50
Foundry and machine-shop products[4]	1919	495	47	2	410	.....	32	.....	4	.....
	1914	469	(2)	(2)	98	133	233	4	1	.....

[1] Includes 48 and under for 1914 and 1909. [2] Corresponding figures not available. [3] Not shown separately in 1914. [4] Includes "iron and steel, welding."

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	200	118	.....	71	2	9	.....	.....	.....
	1914	356	(2)	(2)	260	70	24	.....	2	.....
Printing and publishing, book and job	1919	373	32	4	333	.....	4	.....	.....	.....
	1914	261	(2)	(2)	243	15	3	.....	.....	.....
Printing and publishing, newspapers and periodicals	1919	825	13	.....	791	1	8	3	7	2
	1914	536	(2)	(2)	494	7	28	2	5	.....
Slaughtering and meat packing	1919	446	3	156	281	.....	6	.....	.....	.....
	1914	138	(2)	(2)	3	.....	27	6	102	.....
Smelting, lead	1919	1,749	.....	.....	.....	.....	.....	1,749	.....	.....
	1914	1,882	.....	.....	.....	.....	.....	1,417	.....	465
Sugar, beet [3]	1919	2,214	32	.....	63	.....	.....	1,383	.....	736
All other industries	1919	4,740	616	222	1,576	466	299	1,333	29	199
	1914	5,423	(2)	(2)	1,742	493	723	1,040	717	708
Total for cities	1919	9,998	1,211	558	5,685	1,002	361	1,060	16	105
	1914	7,155	(2)	(2)	2,805	880	1,712	750	695	304
OGDEN	1919	3,111	452	3	2,007	443	100	40	4	62
	1914	1,894	(2)	(2)	1,180	112	209	73	261	59
PROVO	1919	525	.....	86	210	74	18	132	.....	5
	1914	330	(2)	(2)	47	6	115	.....	154	8
SALT LAKE CITY	1919	6,362	759	469	3,468	485	243	888	12	38
	1914	4,931	(2)	(2)	1,578	762	1,388	686	280	237

[1] Includes 48 and under for 1914 and 1909. [2] Corresponding figures not available. [3] Not shown separately in 1914.

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																	
			No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	1,160	18,868	196	654	1,324	166	1,803	68	2,201	36	2,670	28	4,172	5	1,468	6	3,992	1	1,238
Automobile repairing	125	426	9	92	182	22	187	2	57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bread and other bakery products	97	485	26	54	89	12	136	3	98	2	162	.....	.....	.....	.....	.....	.....	.....	.....
Brick and tile, and fire-clay products	21	440	.....	12	20	4	51	2	59	1	73	2	237	.....	.....	.....	.....	.....	.....
Canning and preserving, fruits and vegetables	31	1,051	.....	3	12	10	129	9	283	9	627	.....	.....	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies	9	3,318	.....	.....	.....	1	20	.....	.....	.....	.....	5	633	.....	.....	2	1,427	1	1,238
Cement	3	280	.....	.....	.....	.....	.....	.....	.....	3	280	.....	.....	.....	.....	.....	.....	.....	.....
Chemicals	8	454	.....	3	12	1	7	.....	.....	2	156	2	279	.....	.....	.....	.....	.....	.....
Confectionery and ice cream	49	1,123	10	21	46	9	97	5	168	1	73	2	376	1	363	.....	.....	.....	.....
Flour-mill and gristmill products	77	249	6	64	136	6	74	1	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Foundry and machine-shop products	29	490	3	14	43	4	34	5	181	3	232	.....	.....	.....	.....	.....	.....	.....	.....
Lumber, planing-mill products, not including planing mills connected with sawmills	33	200	4	21	50	5	50	2	47	1	53	.....	.....	.....	.....	.....	.....	.....	.....
Printing and publishing, book and job	51	373	10	21	59	15	148	5	166	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Printing and publishing, newspapers and periodicals	101	825	36	56	119	3	25	2	78	1	53	3	550	.....	.....	.....	.....	.....	.....
Slaughtering and meat packing	11	446	.....	7	15	2	13	.....	.....	.....	.....	1	156	1	262	.....	.....	.....	.....
Smelting, lead	3	1,749	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1,749	.....	.....
Sugar, beet	16	2,214	.....	.....	.....	.....	.....	1	32	5	357	8	1,251	2	574	.....	.....	.....	.....
All other industries	496	4,745	92	286	541	72	832	31	993	8	604	5	690	1	269	1	816	.....	.....
Total for cities	580	9,998	76	300	676	122	1,208	47	1,533	18	1,295	11	1,637	3	894	2	1,427	1	1,238
OGDEN	128	3,111	10	64	139	31	330	13	459	5	293	3	390	1	262	.....	.....	1	1,238
PROVO	37	525	1	25	54	6	56	1	46	3	251	1	118	.....	.....	.....	.....	.....	.....
SALT LAKE CITY	415	6,362	65	211	483	85	912	33	1,028	10	751	7	1,129	2	632	2	1,427	.....	.....

TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	1,160	1,109	749	18,868	13,894	11,785	$156,933,071	$87,112,360	$61,989,277	$46,778,722	$24,879,180	$20,723,616
Less than $5,000	367	533	282	231	502	399	905,130	1,137,653	704,998	605,847	740,203	479,371
$5,000 to $20,000	365	297	220	872	1,007	870	3,891,712	2,944,461	2,270,058	2,194,886	1,636,553	1,219,958
$20,000 to $100,000	263	179	176	2,410	2,164	2,244	11,893,055	8,137,146	7,716,935	5,395,369	3,194,026	3,251,752
$100,000 to $500,000	117	84	64	4,751	5,143	5,081	24,787,801	17,583,687	18,197,110	10,768,136	9,172,395	8,197,586
$500,000 to $1,000,000	20	5		1,827			13,979,920	2,858,058		5,401,822		
$1,000,000 and over	28	11	7	8,777	5,078	3,191	101,475,453	51,451,355	33,100,176	22,412,662	10,136,003	7,574,949
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	31.6	48.1	37.7	1.2	3.6	3.4	0.6	1.3	1.1	1.3	3.0	2.3
$5,000 to $20,000	31.5	26.8	29.4	4.6	7.2	7.4	2.5	3.4	3.7	4.7	6.6	5.9
$20,000 to $100,000	22.7	16.1	23.5	12.8	15.6	19.0	7.6	9.3	12.4	11.5	12.8	15.7
$100,000 to $500,000	10.1	7.6	8.5	25.2	37.0	43.1	15.8	20.2	29.4	23.0	36.9	39.6
$500,000 to $1,000,000	1.7	0.5		9.7			8.9	3.3		11.5		
$1,000,000 and over	2.4	1.0	0.9	46.5	36.5	27.1	64.7	62.5	53.4	47.9	40.7	36.6

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.	
			1919	1914			1919	1914			1919	1914			1919	1914
BREAD AND OTHER BAKERY PRODUCTS	97	86	100.0	100.0	485	306	100.0	100.0	$3,357,450	$1,370,225	100.0	100.0	$1,222,917	$571,066	100.0	100.0
Less than $5,000	23	39	23.7	45.3	12	18	2.5	5.9	65,347	97,570	1.9	7.1	28,750	46,978	2.3	8.2
$5,000 to $20,000	48	32	49.5	37.2	58	64	12.0	20.9	518,622	292,357	15.4	21.3	216,304	125,725	17.7	22.0
$20,000 to $100,000	19	11	19.6	12.8	125	102	25.8	33.3	880,323	409,439	26.2	29.9	294,545	147,431	24.1	25.8
$100,000 to $500,000	7	4	7.2	4.7	290	122	59.8	39.9	1,893,158	570,859	56.4	41.7	683,318	250,932	55.9	43.9
BUTTER	17	23	100.0	100.0	116	118	100.0	100.0	2,698,795	1,074,843	100.0	100.0	342,006	145,315	100.0	100.0
Less than $5,000	.....	3	.....	13.0	.....	4	.....	3.4	.....	8,571	.....	0.8	.....	1,211	.....	0.8
$5,000 to $20,000	[1] 3	7	17.6	30.4	1	11	0.9	9.3	[1] 19,650	71,583	0.7	6.7	[1] 2,941	14,216	0.9	9.8
$20,000 to $100,000	7	10	41.2	43.5	12	50	10.3	42.4	327,482	383,926	12.1	35.7	42,635	55,483	12.5	38.2
$100,000 and over	7	3	41.2	13.0	103	53	88.8	44.9	2,351,663	610,763	87.1	56.8	296,430	74,405	86.7	51.2
CANNING AND PRESERVING, FRUITS AND VEGETABLES	31	31	100.0	100.0	1,051	634	100.0	100.0	4,389,529	2,201,714	100.0	100.0	1,735,207	693,310	100.0	100.0
Less than $20,000	4	5	12.9	16.1	21	16	2.0	2.5	31,626	20,115	0.7	0.9	9,769	9,075	0.6	1.3
$20,000 to $100,000	13	16	41.9	51.6	279	243	26.5	38.3	780,887	746,821	17.8	33.9	280,550	191,349	16.2	27.6
$100,000 to $500,000	14	10	45.2	32.3	751	375	71.5	59.1	3,577,016	1,434,778	81.5	65.2	1,444,288	492,886	83.3	71.1
CONFECTIONERY AND ICE CREAM	49	59	100.0	100.0	1,123	762	100.0	100.0	6,238,375	2,615,172	100.0	100.0	2,939,458	1,066,194	100.0	100.0
Less than $5,000	16	27	32.7	45.8	4	16	0.4	2.1	42,967	49,711	0.7	1.9	20,822	25,317	0.7	2.4
$5,000 to $20,000	8	15	16.3	25.4	22	40	2.0	5.2	102,643	146,522	1.6	5.6	32,363	74,646	1.1	7.0
$20,000 to $100,000	17	10	34.7	16.9	166	101	14.8	13.3	888,507	409,410	14.2	15.7	377,750	167,010	12.9	15.7
$100,000 to $500,000	5	[2] 7	10.2	11.9	192	[2] 605	17.1	79.4	931,334	[2] 2,009,529	14.9	76.8	448,032	[2] 798,621	15.2	74.9
$500,000 and over	3	.....	6.1	.....	739	.....	65.8	.....	4,272,924	.....	68.5	.....	2,060,491	.....	70.1	.....
FLOUR-MILL AND GRISTMILL PRODUCTS	77	70	100.0	100.0	249	198	100.0	100.0	7,569,434	3,155,513	100.0	100.0	1,017,207	518,196	100.0	100.0
Less than $5,000	.....	4	.....	5.7	.....	1	.....	0.5	.....	11,661	.....	0.4	.....	2,720	.....	0.5
$5,000 to $20,000	[1] 19	24	24.7	34.3	[1] 15	24	6.0	12.1	[1] 256,710	278,905	3.4	8.8	[1] 46,528	58,245	4.6	11.2
$20,000 to $100,000	40	33	51.9	47.1	75	107	30.1	54.0	1,932,339	1,571,685	25.5	49.8	320,951	260,664	31.6	50.3
$100,000 to $500,000	14	9	18.2	12.0	68	66	27.3	33.3	2,250,863	1,293,262	29.7	41.0	344,340	196,567	33.9	37.9
$500,000 and over	4	.....	5.2	.....	91	.....	36.5	.....	3,129,522	.....	41.3	.....	305,288	.....	30.0	.....
FOUNDRY AND MACHINE-SHOP PRODUCTS [3]	33	36	100.0	100.0	495	469	100.0	100.0	1,979,878	1,392,830	100.0	100.0	1,184,356	604,185	100.0	100.0
Less than $5,000	6	12	18.2	33.3	5	10	1.0	2.1	21,063	24,448	1.1	1.8	13,218	17,034	1.1	2.8
$5,000 to $20,000	11	14	33.3	38.9	24	44	4.8	9.4	120,285	109,562	6.1	7.9	76,000	78,588	6.4	13.0
$20,000 to $100,000	9	6	27.3	16.7	100	157	20.2	33.5	465,298	365,993	23.5	26.3	279,274	193,106	23.6	32.0
$100,000 to $500,000	7	4	21.2	11.1	366	258	73.9	55.0	1,373,232	892,827	69.4	64.1	815,864	315,457	68.9	52.2
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS	101	108	100.0	100.0	825	536	100.0	100.0	3,129,560	1,817,421	100.0	100.0	2,263,913	1,306,677	100.0	100.0
Less than $5,000	49	70	48.5	64.8	33	78	4.0	14.6	123,774	158,791	4.0	8.7	95,525	133,397	4.2	10.2
$5,000 to $20,000	38	29	37.6	26.9	94	99	11.4	18.5	390,532	255,250	12.5	14.0	309,139	220,579	13.7	16.9
$20,000 to $100,000	8	5	7.9	4.6	17	45	2.1	8.4	289,127	189,448	9.2	10.4	266,949	141,711	11.8	10.8
$100,000 and over	6	4	5.9	3.7	681	314	82.5	58.6	2,326,127	1,213,932	74.3	66.8	1,592,300	810,990	70.3	62.1

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

[2] Includes the group "$500,000 and over."

[3] Includes "iron and steel, welding."

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

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.
OGDEN	128	3,111	100.0	$18,149,831	100.0	$5,411,460	100.0
Less than $5,000	31	23	0.7	77,259	0.4	49,728	0.9
$5,000 to $20,000	33	102	3.3	399,826	2.2	228,058	4.2
$20,000 to $100,000	39	412	13.2	1,698,744	9.4	871,092	16.1
$100,000 to $500,000	19	746	24.0	4,075,934	22.5	1,757,407	32.5
$500,000 and over	6	1,828	58.8	11,898,068	65.6	2,505,175	46.3
PROVO	37	525	100.0	1,539,461	100.0	834,495	100.0
Less than $5,000	13	13	2.5	40,406	2.6	29,082	3.5
$5,000 to $20,000	13	45	8.6	159,823	10.4	90,046	10.8
$20,000 to $100,000	6	52	9.9	322,859	21.0	112,835	13.5
$100,000 to $500,000	5	415	79.0	1,016,373	66.0	602,532	72.2
SALT LAKE CITY	415	6,362	100.0	33,356,911	100.0	15,937,802	100.0
Less than $5,000	99	53	0.8	256,010	0.8	165,595	1.0
$5,000 to $20,000	142	376	5.9	1,579,376	4.7	992,368	6.2
$20,000 to $100,000	117	1,087	17.1	5,307,360	15.9	2,786,065	17.5
$100,000 to $500,000	46	2,113	33.2	9,989,708	29.9	4,877,392	30.6
$500,000 to $1,000,000	6	443	7.0	4,604,686	13.8	1,296,194	8.1
$1,000,000 and over	5	2,290	36.0	11,619,771	34.8	5,820,188	36.5

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.							VALUE OF PRODUCTS.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1919	435	453	272	18,868	886	17,096	886	4.7	90.6	4.7	$156,933,071	$5,336,254	$146,593,052	$5,003,765	3.4	93.4	3.2
	1914	472	390	247	13,894	895	12,233	766	6.4	88.0	5.5	87,112,360	3,423,648	81,027,569	2,661,143	3.9	93.0	3.1
Bread and other bakery products.	1919	52	14	31	485	111	327	47	22.9	67.4	9.7	3,357,450	846,198	2,076,432	434,820	25.2	61.8	13.0
	1914	57	10	19	306	79	169	58	25.8	55.2	19.0	1,370,225	387,708	628,233	354,284	28.3	45.8	25.9
Butter	1919	2	11	4	116	.....	102	[1] 14	.....	87.9	12.1	2,698,795	.....	2,368,644	[1] 330,151	.....	87.8	12.2
	1914	5	14	4	118	6	105	7	5.1	89.0	5.9	1,074,843	111,600	912,200	51,043	10.4	84.9	4.7
Canning and preserving, fruits and vegetables.	1919	1	29	1	1,051	.....	[2] 1,051	.....	.....	100.0	.....	4,389,529	.....	[2] 4,389,529	.....	.....	100.0	.....
	1914	2	29	.....	634	.....	[1] 634	.....	.....	100.0	.....	2,201,714	.....	[1] 2,201,714	.....	.....	100.0	.....
Cars and general shop construction and repairs by steam-railroad companies.	1919	.....	9	.....	3,318	.....	3,318	.....	.....	100.0	.....	8,584,993	.....	8,584,993	.....	.....	100.0	.....
	1914	.....	8	.....	2,193	.....	2,193	.....	.....	100.0	.....	3,574,891	.....	3,574,891	.....	.....	100.0	.....
Confectionery and ice cream.	1919	18	15	16	1,123	51	1,030	42	4.5	91.7	3.7	6,238,375	333,369	5,549,781	355,225	5.3	89.0	5.7
	1914	30	18	11	762	52	694	16	6.8	91.1	2.1	2,615,172	173,833	2,358,537	82,802	6.6	90.2	3.2
Flour-mill and gristmill products.	1919	16	50	11	249	23	206	20	9.2	82.7	8.0	7,569,434	744,585	6,219,260	605,589	9.8	82.2	8.0
	1914	15	50	5	198	21	170	7	10.6	85.9	3.5	3,155,513	431,887	2,595,553	128,073	13.7	82.2	4.1
Printing and publishing, newspapers and periodicals.	1919	35	37	29	825	48	582	195	5.8	70.5	23.6	3,129,560	163,627	2,264,171	701,762	5.2	72.3	22.4
	1914	41	32	35	536	77	251	208	14.4	46.8	38.8	1,817,421	174,065	1,174,658	467,708	9.6	64.6	25.7
Smelting, lead	1919	.....	3	.....	1,749	.....	1,749	.....	.....	100.0	.....	27,518,050	.....	27,518,050	.....	.....	100.0	.....
	1914	.....	3	.....	1,882	.....	1,882	.....	.....	100.0	.....	21,752,102	.....	21,752,102	.....	.....	100.0	.....
Total for cities	1919	212	240	128	9,998	588	8,715	695	5.9	87.2	7.0	53,046,203	3,018,341	46,727,701	3,300,161	5.7	88.1	6.2
	1914	200	197	112	7,155	588	6,004	563	8.2	83.9	7.9	23,521,020	2,157,374	19,401,871	1,961,775	9.2	82.5	8.3
OGDEN	1919	55	55	18	3,111	152	2,859	100	4.9	91.9	3.2	18,149,831	911,545	16,744,653	493,633	5.0	92.3	2.7
	1914	44	45	21	1,894	159	1,641	94	8.4	86.6	5.0	6,014,358	598,031	5,123,239	293,088	9.9	85.2	4.9
PROVO	1919	15	14	8	525	37	467	21	7.0	89.0	4.0	1,539,461	133,627	1,275,056	130,778	8.7	82.8	8.5
	1914	17	12	4	330	29	293	8	8.8	88.8	2.4	843,722	77,659	682,842	83,221	9.2	80.9	9.9
SALT LAKE CITY	1919	142	171	102	6,362	399	5,389	574	6.3	84.7	9.0	33,356,911	1,973,169	28,707,992	2,675,750	5.9	86.1	8.0
	1914	139	140	87	4,931	400	4,070	461	8.1	82.5	9.4	16,662,940	1,481,684	13,595,790	1,585,466	8.9	81.6	9.5

[1] Includes the group "Individuals."

[2] Includes the groups "Individuals" and "All others."

TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Census year.	Aggregate.	Cities having a population of 10,000 or over.								The state 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	1919	.....	3	.....	1	.....	1	.....	1	.....	.....	.....
	1914	.....	3	.....	1	.....	1	.....	1	.....	.....	.....
	1909	.....	2	.....	.....	.....	2	.....	.....	.....	.....	.....
Population [1]	1920	449,396	161,217	35.9	10,303	2.3	32,804	7.3	118,110	26.3	288,179	64.1
	1915	414,518	149,355	36.0	10,091	2.4	29,528	7.1	109,736	26.5	265,163	64.0
	1910	373,351	118,357	31.7	.....	.....	118,357	31.7	.....	.....	254,994	68.3
Number of establishments	1919	1,160	580	50.0	37	3.2	128	11.0	415	35.8	580	50.0
	1914	1,109	509	45.9	33	3.0	110	9.9	366	33.0	600	54.1
	1909	749	313	41.8	.....	.....	313	41.8	.....	.....	436	58.2
Average number of wage earners	1919	18,868	9,998	53.0	525	2.8	3,111	16.5	6,362	33.7	8,870	47.0
	1914	13,894	7,155	51.5	330	2.4	1,894	13.6	4,931	35.5	6,739	48.5
	1909	11,785	5,610	47.6	.....	.....	5,610	47.6	.....	.....	6,175	52.4
Value of products	1919	$156,933,071	$53,046,203	33.8	$1,539,461	1.0	$18,149,831	11.6	$33,356,911	21.2	$103,886,868	66.2
	1914	87,112,360	23,521,020	27.0	843,722	1.0	6,014,358	6.9	16,662,940	19.1	63,591,340	73.0
	1909	61,989,277	17,064,504	27.5	.....	.....	17,064,504	27.5	.....	.....	44,924,773	72.5
Value added by manufacture	1919	46,778,722	22,183,757	47.4	834,495	1.8	5,411,460	11.6	15,937,802	34.1	24,594,965	52.6
	1914	24,879,180	10,908,621	43.8	332,349	1.3	2,446,707	9.8	8,129,565	32.7	13,970,559	56.2
	1909	20,723,616	8,384,056	40.5	.....	.....	8,384,056	40.5	.....	.....	12,339,560	59.5

[1] Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.

TABLE 16.—PRINCIPAL INDUSTRIES IN SALT LAKE CITY (THE ONLY CITY IN THE STATE HAVING 50,000 INHABITANTS OR MORE), WITH PER CENT OF TOTAL FOR STATE: 1919.

Industry.	Value of products.				Industry.	Value of products.			
	Amount, 1919.	Per cent of total for the state.	Increase over 1914.			Amount, 1919.	Per cent of total for the state.	Increase over 1914.	
			Amount.	Per cent.				Amount.	Per cent.
Confectionery and ice cream	$4,917,203	78.8	$3,150,235	178.3	Foundry and machine-shop products [2]	$1,487,097	75.1	$430,396	40.7
Cars and general shop construction and repairs by steam-railroad companies	4,304,276	50.1	(1)	.....	Printing and publishing, book and job	1,125,812	81.3	468,114	71.2
Bread and other bakery products	2,471,099	73.6	1,623,510	191.5	Lumber, planing-mill products, not including planing mills connected with sawmills	666,189	70.1	142,675	27.3
Printing and publishing, newspapers and periodicals	2,450,621	78.3	1,036,598	73.3	Automobile repairing	627,277	40.8	(1)	.....
Butter	1,904,970	70.6	1,399,541	276.9	Knit goods	515,674	44.6	313,898	155.6

[1] Figures can not be shown without disclosing individual operations.

[2] Includes "iron and steel, welding."

TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

Power.	Number of engines or motors.			Horsepower.					
				Amount.			Per cent distribution.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909
Primary power, total	4,225	2,335	1,351	93,942	59,536	42,947	100.0	100.0	100.0
Owned	487	514	462	51,522	37,984	32,307	54.8	63.8	75.2
Steam [1]	368	366	352	46,996	34,020	29,084	50.0	57.1	67.7
Engines	344	(2)	(2)	37,556	(2)	(2)	40.0	.....	.....
Turbines	24	(2)	(2)	9,440	(2)	(2)	10.0	.....	.....
Internal-combustion engines	50	50	27	968	470	226	1.0	0.8	0.5
Water	69	98	83	3,558	3,494	2,997	3.8	5.9	7.0
Water wheels and turbines	67	82	81	3,522	3,343	2,926	3.7	5.6	6.8
Water motors	2	16	2	36	151	71	(3)	0.3	0.2
Rented	3,738	1,821	889	42,420	21,552	10,640	45.2	36.2	24.8
Electric	3,738	1,821	889	41,275	21,552	10,592	43.9	36.2	24.7
Other	.....	.....	.....	1,145	.....	48	1.2	.....	0.1
Electric	4,516	2,338	1,192	58,721	34,018	15,402	100.0	100.0	100.0
Rented	3,738	1,821	889	41,275	21,552	10,592	70.3	63.4	68.8
Generated by establishments reporting	778	517	303	17,446	12,466	4,810	29.7	36.6	31.2

[1] Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.
[2] Not reported separately.
[3] Less than one-tenth of 1 per cent.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 pounds).	COAL. Bituminous (tons, 2,000 pounds).	Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
All industries 1919	1,224	1,030,819	169,969	257,918	1,547	24,675
1914	1,585	1,150,745	204,867	391,357	(1)	20,376
Per cent of increase [2]	−22.8	−10.4	−17.0	−32.9	(1)	21.1
Bread and other bakery products	393	4,369	1,491	44	156	6,971
Brick and tile, and fire-clay products		28,573				
Canning and preserving, fruits and vegetables	1	7,256	776		104	
Cars and general shop construction and repairs by steam-railroad companies	536	27,479	660	90,490		
Cement		68,187				
Chemicals		30,101		12,086	822	
Coke, not including gas-house coke		403,926				
Condensed milk		7,196				
Foundry and machine-shop products	45	1,616	2,406	206	1	4,076
Gas, illuminating and heating		35,812	2,023	12,352		
Ice, manufactured		15,720				
Liquors, cereal beverages		4,447	57			
Petroleum, refining		16,403		72,250		
Salt		5,532				
Slaughtering and meat packing	85	8,435				
Smelting, copper		95,862	22,224	65,576		
Smelting, lead		91,995	130,477	4,600		
Sugar, beet		153,537	8,142		35	
All other industries	164	24,373	1,713	314	429	13,628
Total for cities	1,045	144,259	8,140	145,158	374	24,626
OGDEN	121	24,647	2,983	58,100	164	2,255
PROVO	6	7,750	258	12	9	1,085
SALT LAKE CITY	918	111,862	4,899	87,046	201	21,286

[1] Included in figures for fuel oils. [2] A minus sign (−) denotes decrease.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for five of these industries for Utah are here presented.

Beet sugar (Table 19).—Statistics for the beet-sugar industry are shown for the first time for this state. In 1919 Utah ranked fourth among the states in value of products of the beet-sugar industry.

The following table shows for 1919 the quantity and value of the products made from sugar beets of domestic origin:

TABLE 19.—BEET SUGAR: 1919.

	Amount.
Total value	$20,569,135
Sugar:	
Granulated—	
Pounds	188,994,150
Value	$19,651,943
Raw—	
Pounds	324,095
Value	$15,381
Molasses:	
Gallons	6,009,046
Value	$705,569
All other products, value	$196,242

Flour-mill and gristmill products (Table 20).—This table shows the quantity and value of the different products of these mills for 1919, 1914, and 1909.

Wheat flour was the product of chief value, forming 75.4 per cent in 1919 and 71.1 per cent in 1914 of the total value of the industry in the state. The total value of all products for the industry increased $4,413,921, or 139.9 per cent, during the five-year period, and the value of wheat flour $3,468,504, or 154.7 per cent. There was only a small increase, however, in the number of barrels of wheat flour, 40,032, or 7.9 per cent.

TABLE 20.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value	$7,569,434	$3,155,513	$3,130,895
Wheat flour:			
Barrels	545,256	505,224	459,248
Value	$5,710,921	$2,242,417	$2,355,109
Rye flour:			
Barrels	465	223	365
Value	$3,010	$1,088	$2,038
Corn meal and corn flour:			
Barrels	3,292	154	259
Value	$27,663	$886	$1,239
Bran and middlings:			
Tons	22,784	21,450	(1)
Value	$920,776	$474,493	(1)
Feed and offal:			
Tons	8,157	16,573	27,284
Value	$366,607	$410,125	$588,511
Hominy and grits:			
Pounds	14,000		
Value	$700		
Breakfast foods:			
Pounds	5,507,426	686,910	
Value	$527,226	$20,835	
All other cereal products, value	$360	$5,669	$88,580
All other products, value	$11,271		$95,418

[1] Included in "Feed and offal."

Canning and preserving (Table 21).—This table shows in detail the quantities and values of the fruits and vegetables canned and preserved during 1919, 1914, and 1909.

From 1914 to 1919 the total value of all products increased $2,127,834, or 87.6 per cent. Of this total $1,822,972, or 85.7 per cent, was for canned vegetables, and $286,595, or 13.5 per cent, for canned fruits. Pickles, preserves, and sauces, while not an important branch of the industry, shows a decrease in value of $59,981, or 26.3 per cent, during the five-year period.

TABLE 21.—CANNING AND PRESERVING: 1919, 1914, AND 1909.

	1919	1914	1909
Total value	[1] $4,557,638	[1] $2,429,804	$1,059,487
Canning and preserving fruits and vegetables	$4,389,529	$2,201,714	$867,829
Pickles, preserves, and sauces	$168,109	$228,090	$191,658
Canned vegetables:			
Cases	1,232,598	1,113,613	420,147
Value	$3,761,899	$1,938,927	$776,136
Tomatoes—			
Cases	667,084	696,257	332,372
Value	$1,982,444	$1,250,280	$603,898
Peas—			
Cases	409,744	334,144	61,156
Value	$1,262,198	$510,892	$100,712
Beans—			
Cases	106,714	64,592	15,657
Value	$281,109	$134,791	$33,084
Pumpkins—			
Cases	(2)	3,625	2,860
Value	(2)	$5,500	$5,900
All other—			
Cases	49,056	14,995	8,102
Value	$236,148	$37,464	$32,542
Canned fruits:			
Cases	99,651	106,884	12,245
Value	$505,804	$219,209	$32,365
Cherries—			
Cases	26,715	(2)	(2)
Value	$160,670	(2)	(2)
Apples—			
Cases	33,243	12,591	4,191
Value	$133,155	$21,562	$9,956
Apricots—			
Cases	21,848	(2)	(2)
Value	$113,217	(2)	(2)
Peaches—			
Cases	14,861	20,955	2,439
Value	$83,325	$43,399	$5,806
Pears—			
Cases	2,117	4,777	1,566
Value	$9,968	$14,347	$7,108
Berries—			
Cases	587	2,206	1,069
Value	$3,672	$4,787	$3,463
All other—			
Cases	280	66,355	2,980
Value	$1,707	$135,114	$6,032
All other products, including pickles, preserves, and sauces, value	$289,935	$271,668	$250,986

[1] In addition, canned vegetables and fruits, valued at $39,761 in 1919 and $12,550 in 1914, were reported by establishments engaged primarily in the manufacture of other products.
[2] Included in "All other."

Printing and publishing (Table 22).—This table shows, for 1919, 1914, and 1909, the number of publications and their aggregate circulation by period of issue.

Notwithstanding a decrease in certain classes of publications, the combined circulation increased 26.1 per cent from 1914 to 1919, and 81.5 per cent from 1909 to 1919. Of the daily papers, 3, with a circulation of 69,370, were published in the morning, and 5, with a circulation of 95,969, in the afternoon. There were 9 publications in foreign languages, with a circulation of 10,573. One was a daily, in Japanese, and 1 a triweekly, also in Japanese. The others were weekly newspapers—2 in the Greek language and 1 each in Danish, Dutch, German, Italian, and Swedish.

TABLE 22.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total	107	121	94	475,501	376,962	261,937
Daily	8	8	8	165,339	82,171	57,498
Sunday	3	3	3	106,076	92,580	45,428
Semiweekly [1]	9	6	8	23,245	26,642	35,863
Weekly	68	82	65	79,491	91,339	71,542
Monthly [2]	19	22	10	101,350	84,230	51,606

[1] Includes 3 triweekly publications in 1919 and 1909.
[2] Includes 1 semimonthly and 2 quarterly publications in 1919, 1 semimonthly and 2 bimonthly in 1914, and 2 semimonthly in 1909.

Butter, cheese, and condensed milk (Table 23).—This table shows the quantity and value of the several products of the industry for 1919, 1914, and 1909.

Butter, the product of chief value, formed 87.1 per cent of the total value of all products in 1919, as compared with 45.7 per cent in 1914. During this period the quantity of butter increased 22.2 per cent, while the value, because of the prevailing high prices in 1919, increased 143.2 per cent.

TABLE 23.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919	1914	1909
Total value	[1] $2,933,979	$2,208,153	$1,971,031
Butter, value	$2,556,164	$1,051,143	$1,137,388
Packed solid—			
Pounds	328,301	1,415,751	650,707
Value	$181,451	$412,040	$193,311
Prints or rolls—			
Pounds	3,997,037	2,123,606	3,072,077
Value	$2,374,713	$639,103	$944,077
Cheese:			
Pounds	1,070,933	1,094,448	1,060,122
Value	$304,054	$153,252	$157,058
Cream sold:			
Pounds	190,435	437,931	1,114,836
Value	$44,077	$53,083	$128,528
All other products, value	$29,684	$1,040,675	$548,057

[1] Excludes statistics for establishments engaged primarily in the manufacture of condensed milk, to avoid disclosure of individual operations.

Laundries (Table 24).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 24, however, summarizes the statistics for such laundries in the state of Utah for 1919 and 1914.

TABLE 24.—POWER LAUNDRIES: 1919 and 1914.

	NUMBER OR AMOUNT.		Per-cent of increase,[1] 1914–1919.
	1919	1914	
Number of establishments	27	36	.....
Persons engaged	1,213	1,197	1.3
Proprietors and firm members	20	31	.....
Salaried employees	153	96	.....
Wage earners (average number)	1,040	1,070	−2.8
Primary horsepower	1,865	1,926	−3.2
Capital	$1,954,869	$1,213,651	61.1
Salaries and wages	966,991	689,040	40.3
Salaries	199,280	108,567	83.6
Wages	767,711	580,473	32.3
Paid for contract work	.....	1,600	.....
Rent and taxes	57,982	31,737	82.7
Cost of materials	379,339	321,923	17.8
Amount received for work done	1,973,166	1,367,433	44.3

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

Dyeing and cleaning (Table 25).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 25.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments	11
Persons engaged	171
Proprietors and firm members	11
Salaried employees	36
Wage earners (average number)	124
Primary horsepower	103
Capital	$179,613
Salaries and wages	159,074
Salaries	47,267
Wages	111,807
Paid for contract work	365
Rent and taxes	12,634
Cost of materials	63,702
Amount received for work done	291,587

Custom gristmills and custom sawmills (Tables 26 and 27).—Statistics for custom gristmills and custom sawmills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914. Table 26, however, summarizes the statistics for such mills for 1919 and 1909, and Table 27 for 1919. The value of products for custom sawmills represents the amount charged for the work performed and that for custom gristmills the selling value of the grain milled.

TABLE 26.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		
	1919	1909	Per cent of increase,[1] 1909–1919.
Number of establishments	21	19	.....
Persons engaged	36	37	.....
Proprietors and firm members	21	20	.....
Salaried employees	3	5	.....
Wage earners (average number)	12	12	.....
Primary horsepower	721	709	1.7
Capital	$195,822	$180,730	8.4
Salaries and wages	15,904	10,506	51.4
Salaries	2,051	2,220	−7.6
Wages	13,853	8,286	67.2
Rent and taxes	2,150	(2)	.....
Cost of materials [3]	256,314	192,268	33.3
Value of products [3]	349,544	247,360	41.3

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.
[2] Figures not available.
[3] Includes estimate of all grain ground.

TABLE 27.—CUSTOM SAWMILLS: 1919.

	Number or amount.
Number of establishments	3
Persons engaged	5
Proprietors and firm members	4
Wage earners (average number)	1
Primary horsepower	78
Capital	$1,000
Wages	482
Rent and taxes	25
Cost of materials	142
Amount received for work done	1,114

GENERAL TABLES.

Table 28 gives the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for all industries combined and selected industries for the state and Salt Lake City, and for Ogden and Provo similar data for all industries combined for 1919, 1914, and 1909. Certain kindred industries are combined in some instances for comparison with the 1909 figures.

Table 29 presents, for 1919, for the state and for Salt Lake City, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and the statistics for all industries combined for cities of 10,000 to 50,000 inhabitants.

TABLE 28.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1919	1,160	18,868	93,942	$21,455	$110,154	$156,933
	1914	1,109	13,804	59,536	10,852	62,233	87,112
	1909	749	11,785	42,947	8,400	41,266	61,989
Bread and other bakery products.	1919	97	485	485	436	2,135	3,357
	1914	86	306	249	198	799	1,370
	1909	53	282	115	165	747	1,214
Brick and tile, and fire-clay products.	1919	21	440	1,467	416	244	1,144
	1914	27	438	2,646	280	123	625
	1909	34	514	1,556	332	136	683
Butter	1919	17	116	397	126	2,357	2,699
	1914	23	118	347	61	930	1,075
	1909	26	93	399	51	921	1,103
Canning and preserving [1]	1919	37	1,099	3,151	657	2,735	4,558
	1914	37	677	1,930	297	1,669	2,430
	1909	24	396	847	123	716	1,059
Cars and general shop construction and repairs by electric-railroad companies.	1919	3	152	1,025	190	106	313
	1914	4	166	554	116	41	175
Cars and general shop construction and repairs by steam-railroad companies.	1919	9	3,318	3,415	4,912	3,234	8,585
	1914	8	2,193	3,099	1,943	1,506	3,575
	1909	8	1,731	1,735	1,402	1,225	2,740
Cement	1919	3	280	7,778	359	595	1,657
	1914	3	267	7,241	277	471	1,233
Confectionery and ice cream	1919	49	1,123	1,109	669	3,299	6,238
	1914	59	762	1,040	328	1,549	2,615
Copper, tin, and sheet-iron work.	1919	48	149	162	178	542	1,017
	1914	56	123	45	94	153	385
	1909	18	135	(2)	103	145	330
Flour-mill and gristmill products.	1919	77	249	5,030	269	6,552	7,569
	1914	70	198	3,519	144	2,637	3,156
	1909	60	184	3,312	131	2,511	3,131
Food preparations, not elsewhere specified.	1919	16	44	851	55	1,167	1,273
	1914	10	44	102	23	110	172
	1909	5	17	30	13	29	56
Foundry and machine-shop products. [3]	1919	162	951	3,210	1,163	1,462	3,672
	1914	48	530	1,296	434	818	1,502
	1909	27	373	541	306	407	922
Gas, illuminating and heating	1919	4	172	638	$196	$295	$790
	1914	4	208	720	141	279	617
	1909	3	167	291	108	168	366
Ice, manufactured	1919	17	105	2,152	124	89	396
	1914	10	38	1,505	41	43	228
	1909	4	20	474	16	29	93
Knit goods	1919	10	198	82	104	787	1,156
	1914	11	183	47	66	283	528
	1909	11	174	80	53	292	419
Leather goods [4]	1919	24	80	44	97	463	725
	1914	53	134	31	91	319	509
	1909	19	115	24	75	259	426
Lumber and timber products [5]	1919	113	366	4,184	466	481	1,338
	1914	130	748	3,837	582	562	1,504
	1909	104	431	2,922	306	435	977
Marble and stone work	1919	18	50	269	75	139	340
	1914	23	349	1,148	354	125	859
	1909	25	121	399	106	91	270
Mattresses and spring beds	1919	8	80	368	78	258	446
	1914	5	69	211	45	146	233
	1909	3	65	171	41	130	233
Mineral and soda waters	1919	23	63	107	60	253	484
	1914	25	68	68	34	122	220
	1909	16	52	(2)	34	58	187
Printing and publishing [6]	1919	156	1,218	1,069	1,138	1,416	4,581
	1914	166	872	1,246	741	880	2,780
	1909	122	967	1,357	685	723	2,405
Slaughtering and meat packing.	1919	11	446	1,104	470	10,032	11,124
	1914	14	138	349	115	2,672	3,011
	1909	12	99	572	77	1,327	1,690
Smelting, lead	1919	3	1,749	14,110	2,700	23,738	27,518
	1914	3	1,882	12,150	1,795	18,066	21,752
	1909	3	1,546	5,425	1,262	11,440	13,170
Tobacco, cigars	1919	15	54	3	65	86	213
	1914	21	81	.....	61	66	190
	1909	27	151	.....	112	165	384
All other industries	1919	219	5,881	41,732	6,452	47,689	65,740
	1914	213	3,302	16,156	2,591	27,864	36,368
	1909	145	4,152	22,697	2,899	19,312	30,131
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
SALT LAKE CITY. All industries.	1919	415	6,362	15,796	$7,153	$17,419	$33,357
	1914	366	4,931	12,755	3,801	8,533	16,603
	1909	245	4,287	6,693	3,010	6,615	13,351
Bread and other bakery products.	1919	33	402	326	343	1,587	2,471
	1914	25	189	164	123	522	848
	1909	24	220	80	122	569	918
Butter	1919	5	69	116	79	1,684	1,905
	1914	3	31	53	15	452	505
	1909	3	9	32	6	395	452
Confectionery and ice cream	1919	31	812	821	484	2,625	4,917
	1914	25	554	682	224	1,069	1,767
Copper, tin, and sheet-iron work.	1919	23	97	125	116	235	463
	1914	22	84	40	68	95	257
	1909	11	104	10	85	105	258
Foundry and machine-shop products. [7]	1919	76	554	2,123	658	806	2,114
	1914	24	393	1,046	326	633	1,128
	1909	19	301	404	257	316	751
Furniture, store and office fixtures.	1919	3	40	81	43	61	129
	1914	5	52	100	49	43	121
	1909	3	62	81	54	131	278
Knit goods	1919	5	91	45	$57	$342	$516
	1914	4	79	36	32	105	202
	1909	4	70	(2)	24	140	165
Lumber and timber products [5]	1919	10	135	1,344	203	294	666
	1914	11	246	880	145	305	558
	1909	8	136	375	117	169	376
Marble and stone work	1919	5	28	176	41	57	170
	1914	5	149	392	141	64	366
	1909	7	69	(2)	71	62	179
Mineral and soda waters	1919	10	36	64	42	163	323
	1914	6	30	19	15	65	114
	1909	5	27	(2)	22	37	134
Printing and publishing [8]	1919	80	970	761	916	1,169	3,734
	1914	81	646	1,033	590	752	2,270
	1909	49	746	1,207	561	615	1,983
All other industries	1919	134	3,128	9,814	4,171	8,396	15,949
	1914	155	2,478	8,310	2,073	4,428	8,527
	1909	112	2,543	4,504	1,691	4,076	7,857
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.							
OGDEN	1919	128	3,111	5,504	$3,352	$12,738	$18,150
	1914	110	1,894	3,184	1,262	3,568	6,014
	1909	68	1,323	2,506	873	2,066	3,713
PROVO	1919	37	525	1,141	$441	$705	$1,539
	1914	33	330	802	173	51	844

[1] Includes "canning and preserving, fruits and vegetables" and "pickles, preserves and sauces."
[2] Figures not available.
[3] Includes "automobile repairing"; "iron and steel, welding"; and "structural ironwork, not made in steel works or rolling mills," in all years, and also "pumps, power, other than steam," in 1919.
[4] Includes "saddlery and harness" and "trunks and valises."
[5] Includes "lumber, planing-mill products, not including planing mills connected with sawmills," in all years, and also "boxes, wooden packing," and "window and door screens" in 1914 and 1909.
[6] Includes "bookbinding and blank-book making" in all years and also "engraving, steel and copper plate, including plate printing," and "lithographing" in 1914 and 1909.
[7] Includes "automobile, repairing" and "iron and steel, welding," in all years, and also "structural ironwork, not made in steel works or rolling mills," in 1914 and 1909.
[8] Includes "bookbinding and blank-book making" and "engraving, steel and copper plate, including plate printing," in all years, and also "lithographing" in 1914 and 1909.

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

	Industry and city.	Number of establishments	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	1,160	23,107	1,089	1,146	1,432	572	18,868	Oc 22,592	Ap 16,196	(3)	(3)	(3)	(3)	(3)	*Dollars.* 140,785,034
2	Artificial stone products	16	92	15	8	3	1	65	Au 127	Ja 19	359	359	.....	.....	.....	251,468
3	Automobile bodies and parts	6	69	6	3	4	.....	56	Jy 71	Ja 46	39	39	.....	.....	.....	90,355
4	Automobile repairing	125	626	134	42	12	12	426	Au 506	Ja 304	462	458	2	2	.....	665,938
5	Awnings, tents, and sails	6	26	6	.....	1	1	18	My [4] 19	De 16	17	6	11	.....	.....	84,933
6	Bookbinding and blank-book making	4	28	2	3	3	.....	20	No [4] 22	Ja [4] 17	20	9	9	2	.....	32,947
7	Bread and other bakery products	97	725	122	28	52	38	485	Au [4] 515	Ja 445	528	343	171	10	4	1,509,742
8	Brick and tile and fire-clay products	21	505	26	29	5	5	440	Au 594	Ja 261	474	466	1	7	.....	2,134,865
9	Butter	17	189	13	19	25	16	116	Jy 124	Oc 109	112	87	25	.....	.....	852,360
10	Canning and preserving, fruits and vegetables.	31	1,172	4	81	16	20	1,051	.....	.....	2,761	1,079	1,601	22	59	4,448,953
11	Canned vegetables	26	1,034	4	65	15	16	934	Se 2,566	Fe 189	2,468	987	1,436	16	29	4,044,885
12	Canned fruits	5	138	.....	16	1	4	117	Jy 361	Mh 10	293	92	165	6	30	404,068
13	Carriages and wagons, including repairs.	3	18	2	.....	.....	.....	16	De 20	Ja 13	20	20	.....	.....	.....	65,396
14	Cars and general shop construction and repairs by electric-railroad companies.	3	159	.....	4	3	.....	152	Oc 169	No 142	151	148	3	.....	.....	554,838
15	Cars and general shop construction and repairs by steam-railroad companies.	9	3,473	.....	88	42	25	3,318	De 3,511	My 2,847	3,502	3,488	14	.....	.....	2,388,659
16	Cement	3	308	.....	15	10	3	280	Se 352	Ja 172	288	281	7	.....	.....	3,488,664
17	Cheese	17	37	6	2	1	.....	28	Ja [4] 31	De [4] 24	30	30	.....	.....	.....	93,399
18	Chemicals	8	504	.....	19	22	9	454	Mh 547	Je 342	559	552	7	.....	.....	3,063,947
19	Cleansing and polishing preparations	3	6	1	3	.....	.....	2	Ap [4] 3	Ja [6] 0	3	3	.....	.....	.....	64,347
20	Clothing, men's	3	181	.....	7	19	5	150	Au 155	Ja 144	151	13	138	.....	.....	524,652
21	Coffee, roasting and grinding	3	51	.....	5	9	5	32	Je [4] 37	Fe 24	32	17	10	3	2	226,173
22	Confectionery and ice cream	49	1,405	55	62	106	59	1,123	.....	.....	1,346	463	801	36	46	3,672,045
23	Confectionery	32	1,229	32	49	98	37	1,013	No 1,236	Au 809	1,220	378	781	18	43	3,451,524
24	Ice cream	17	176	23	13	8	22	110	Jy 152	Ja [4] 85	126	85	20	18	3	220,521
25	Copper, tin, and sheet-iron work	48	238	60	14	8	7	149	No 165	Ja 125	170	168	.....	11	.....	523,658
26	Dental goods	4	19	5	.....	1	.....	13	Fe [4] 14	Oc [4] 12	14	14	.....	.....	.....	14,430
27	Flavoring extracts	3	14	1	1	2	2	8	(5) 8	(5) 8	8	5	2	1	.....	16,919
28	Flour-mill and gristmill products	77	426	86	60	19	12	249	No 284	Ja 228	268	256	11	1	.....	3,328,942
29	Food preparations, not elsewhere specified.	16	85	18	11	7	5	44	Fe [4] 51	Oc 33	50	35	14	1	.....	548,381
30	Foundry and machine-shop products.	29	606	23	54	30	9	490	.....	.....	576	562	3	11	.....	1,869,268
31	Foundries	4	29	9	3	2	.....	15	Ap [4] 23	Se [4] 2	22	22	.....	.....	.....	41,288
32	Machine shops	21	276	14	25	12	6	219	De 264	Se 183	268	254	3	11	.....	920,016
33	Machine shop and foundry combined.	4	301	.....	26	16	3	256	Ja 355	Se 75	286	286	.....	.....	.....	907,964
34	Fur goods	3	10	3	1	.....	.....	6	De 9	Au 3	8	3	5	.....	.....	7,501
35	Furniture	6	55	8	4	1	1	41	.....	.....	47	47	.....	.....	.....	48,605
36	Wood, other than rattan and willow.	3	5	4	.....	.....	.....	1	Ap [4] 2	Ja [6] 0	3	3	.....	.....	.....	7,300
37	Store and office fixtures	3	50	4	4	1	1	40	Oc [4] 43	Ja [4] 37	44	44	.....	.....	.....	41,305
38	Gas, illuminating and heating	4	236	.....	11	32	21	172	Je [4] 201	Ap 141	177	177	.....	.....	.....	6,566,099
39	Ice, manufactured	17	119	5	5	4	.....	105	Se 177	Ja 48	80	80	.....	.....	.....	1,060,741
40	Iron and steel, welding	4	11	6	.....	.....	.....	5	Ap [4] 6	Oc [4] 4	5	5	.....	.....	.....	13,688
41	Jewelry	5	22	4	2	.....	2	14	Oc [4] 18	Fe [4] 10	18	16	.....	2	.....	24,538
42	Knit goods	10	295	1	26	49	21	198	Se 244	Ja 129	245	24	216	1	4	704,665
43	Lime	12	63	10	6	2	.....	45	Je [4] 58	Ja 27	48	46	2	.....	.....	479,515
44	Lumber and timber products	80	316	148	1	1	.....	166	Jy [4] 260	Fe 95	489	476	9	4	.....	309,822
45	Lumber, planing-mill products, not including planing mills connected with sawmills.	33	263	27	20	16	.....	200	De 252	Ja 153	252	252	.....	.....	.....	508,400
46	Marble and stone work, except slate	18	89	22	6	8	3	50	My 69	Fe 38	57	56	.....	1	.....	225,849
47	Mattresses and spring beds	8	97	3	8	5	1	80	De 91	Ja 67	91	63	28	.....	.....	255,417
48	Mineral and soda waters	23	102	21	9	5	4	63	.....	.....	64	63	1	.....	.....	211,323
49	Mineral and carbonated waters	20	95	19	9	5	4	58	Au 92	Ja [4] 38	57	56	1	.....	.....	194,651
50	All other	3	7	2	.....	.....	.....	5	Jy [4] 9	Ja [4] 2	7	7	.....	.....	.....	16,672
51	Patent medicines and compounds	9	31	3	3	1	1	23	Je 25	Fe [4] 22	25	15	10	.....	.....	63,069
52	Photo-engraving	3	14	3	1	2	.....	8	Ap [4] 9	Ja 5	8	8	.....	.....	.....	21,358
53	Pickles, preserves, and sauces	6	61	5	4	3	1	48	Se 106	Ja [4] 22	46	14	32	.....	.....	187,233
54	Printing and publishing, book and job.	51	544	50	36	65	20	373	.....	.....	403	311	76	15	1	786,166
55	Job printing	45	493	46	33	50	14	350	De 385	Jy 322	377	288	74	14	1	733,918
56	Book publishing and printing	3	39	.....	3	15	6	15	Se 18	Fe 10	18	15	2	1	.....	31,009
57	Linotype work and typesetting	3	12	4	.....	.....	.....	8	Ap [4] 9	My [4] 7	8	8	.....	.....	.....	21,230
58	Printing and publishing, newspapers and periodicals.	101	1,236	63	93	172	83	825	.....	.....	836	744	69	21	2	1,412,337
59	Printing and publishing	9	141	6	4	23	9	99	Oc 102	Je 94	99	99	.....	.....	.....	152,850
60	Printing, publishing, and job printing.	66	924	54	54	105	33	678	De 688	My 671	687	609	64	12	2	926,913
61	Publishing, without printing	26	171	3	35	44	41	48	My [4] 51	Mh [4] 45	50	36	5	9	.....	333,574

[1] Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919.

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.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
Dollars. 3,010,721	*Dollars.* 2,669,764	*Dollars.* 21,454,997	*Dollars.* 357,022	*Dollars.* 424,987	*Dollars* 2,883,265	*Dollars.* 103,106,399	*Dollars.* 7,047,950	*Dollars.* 156,933,071	*Dollars.* 46,778,722	93,942	37,556	9,440	968	3,558	42,420	17,446	1
13,470	5,297	91,619	190	1,652	1,270	52,849	2,602	196,515	141,064	154	43	.....	10	.....	101	.....	2
7,200	5,500	61,430	.....	9,286	1,149	54,277	1,943	166,246	110,026	40	.....	.....	.....	.....	40	.....	3
66,120	20,817	524,001	300	64,867	8,090	563,591	25,791	1,537,194	947,812	596	10	.....	37	.....	549	1	4
.....	1,200	15,110	4,350	2,808	1,147	110,103	610	161,155	50,442	11	.....	.....	.....	.....	11	.....	5
6,200	1,600	17,690	.....	2,184	391	25,881	1,026	67,059	40,152	9	.....	.....	.....	.....	9	.....	6
63,202	89,109	436,234	248	46,120	33,369	2,066,492	68,041	3,357,450	1,222,917	485	.....	.....	.....	.....	485	.....	7
75,254	10,949	415,586	422	2,673	17,614	110,743	133,501	1,144,021	899,777	1,467	45	.....	.....	.....	1,422	215	8
46,622	63,278	126,025	67	9,479	7,029	2,335,030	21,759	2,698,795	342,006	397	139	50	9	.....	199	100	9
175,933	29,848	628,364	1,905	2,570	164,101	2,602,330	51,992	4,389,529	1,735,207	3,122	745	35	.....	.....	2,342	5	10
146,757	26,718	555,711	1,885	2,570	147,635	2,280,849	47,226	3,850,338	1,522,263	3,052	685	35	.....	.....	2,332	5	11
29,176	3,130	72,653	20	.....	16,466	321,481	4,766	539,191	212,944	70	60	.....	.....	.....	10	.....	12
.....	.....	19,088	.....	360	548	16,401	936	41,064	23,727	28	.....	.....	.....	.....	28	.....	13
9,940	3,283	189,798	.....	.....	3,965	99,235	6,807	313,028	206,986	1,025	.....	.....	.....	.....	1,025	.....	14
238,271	98,752	4,011,623	.....	.....	39,045	3,003,376	230,561	8,584,993	5,351,056	3,415	1,588	.....	.....	.....	1,827	1,424	15
41,153	19,019	359,263	2,672	40	52,563	271,303	323,754	1,656,939	1,061,882	7,778	.....	.....	.....	.....	7,778	.....	16
2,100	440	29,028	335	570	651	190,419	5,285	235,184	39,480	65	56	.....	.....	.....	9	.....	17
44,161	64,054	658,925	93,038	3,000	31,001	551,067	235,524	1,708,957	922,366	4,735	2,119	714	493	500	909	320	18
3,350	.....	2,191	.....	378	138	22,643	155	36,902	14,104	1	.....	.....	.....	.....	1	.....	19
18,800	27,226	79,543	.....	1,530	13,341	354,325	5,718	652,172	292,129	145	75	.....	.....	.....	70	.....	20
14,625	18,841	19,698	1,174	2,400	2,186	354,992	2,998	485,477	127,487	46	.....	.....	.....	.....	46	.....	21
158,548	435,990	669,487	.....	46,273	119,762	3,249,875	49,042	6,238,375	2,939,458	1,109	150	.....	.....	.....	959	56	22
132,835	407,608	570,159	.....	31,470	114,270	2,660,282	34,468	5,322,912	2,628,162	927	150	.....	.....	.....	777	56	23
25,713	28,382	99,328	.....	14,803	5,492	589,593	14,574	915,463	311,296	182	.....	.....	.....	.....	182	.....	24
55,831	11,679	178,244	.....	12,525	26,446	537,598	4,766	1,017,374	475,010	162	.....	.....	.....	.....	162	.....	25
.....	485	13,122	.....	1,589	17	21,935	45	57,231	35,251	1	.....	.....	.....	.....	1	.....	26
1,800	5,165	3,910	.....	970	243	25,386	23	44,056	18,647	.....	.....	.....	.....	.....	.....	.....	27
84,930	35,530	268,769	6,948	24,080	65,942	6,483,856	68,371	7,569,434	1,017,207	5,030	100	.....	80	2,364	2,486	127	28
10,714	12,310	55,056	270	1,379	9,642	1,160,592	6,794	1,272,568	105,182	851	50	.....	.....	.....	801	.....	29
137,068	52,724	590,335	25	9,560	32,493	711,102	71,410	1,940,825	1,158,313	2,529	40	.....	.....	.....	2,489	.....	30
7,020	3,072	20,052	.....	2,475	1,050	42,154	5,582	97,459	49,723	71	.....	.....	.....	.....	71	.....	31
58,428	21,070	281,566	25	6,485	14,398	376,315	22,264	929,952	531,373	778	40	.....	.....	.....	738	.....	32
71,620	28,582	288,117	.....	600	17,045	292,633	43,564	913,414	577,217	1,680	.....	.....	.....	.....	1,680	.....	33
250	.....	4,762	278	4,220	79	12,255	170	30,488	18,063	1	.....	.....	.....	.....	1	.....	34
6,420	865	45,047	200	2,013	751	65,784	1,044	142,213	75,385	96	.....	.....	.....	.....	96	.....	35
.....	.....	2,002	.....	288	66	5,550	225	12,910	7,135	15	.....	.....	.....	.....	15	.....	36
6,420	865	43,045	200	1,725	685	60,234	819	129,303	68,250	81	.....	.....	.....	.....	81	.....	37
28,220	50,226	196,050	.....	10,151	56,907	81,715	213,154	739,889	495,020	638	401	86	.....	.....	151	.....	38
7,600	3,400	124,269	240	664	12,134	23,751	65,584	395,855	306,520	2,152	1,480	153	.....	57	462	.....	39
.....	.....	8,900	.....	1,440	113	11,945	1,065	39,053	26,043	17	.....	.....	.....	.....	17	.....	40
2,080	1,526	20,313	3,138	2,715	96	30,059	766	82,136	51,311	13	.....	.....	.....	.....	13	.....	41
48,950	37,980	103,593	.....	7,545	16,651	781,242	5,780	1,156,389	369,367	82	.....	.....	.....	.....	82	.....	42
8,100	1,684	62,941	3,562	2,097	2,066	24,691	18,300	139,642	96,651	166	.....	2	124	.....	40	.....	43
4,462	3,802	180,259	13,850	592	1,820	56,691	84	387,270	330,495	2,043	1,767	50	20	206	.....	.....	44
27,487	15,906	286,147	797	1,749	8,420	409,623	14,447	950,303	526,233	2,141	10	.....	4	79	2,048	.....	45
14,400	8,879	75,272	100	4,512	3,545	185,551	3,719	339,633	200,363	269	.....	.....	22	22	225	.....	46
18,800	12,536	78,414	480	420	7,561	252,939	4,844	445,710	187,927	368	.....	.....	.....	115	253	56	47
12,955	6,811	60,223	.....	4,950	12,154	248,339	4,492	483,967	230,636	107	.....	.....	.....	.....	107	.....	48
12,955	6,811	55,610	.....	4,665	11,992	242,328	4,333	471,502	224,841	104	.....	.....	.....	.....	104	.....	49
.....	.....	4,613	.....	285	162	6,511	159	12,465	5,795	3	.....	.....	.....	.....	3	.....	50
3,650	2,100	13,214	450	1,795	864	82,834	1,031	116,413	32,498	87	.....	.....	.....	.....	87	.....	51
2,140	1,835	10,959	.....	1,882	273	5,223	1,141	38,633	32,269	11	.....	.....	.....	.....	11	.....	52
3,100	4,800	28,884	.....	9	3,880	76,930	3,646	168,109	87,533	29	10	.....	.....	.....	10	.....	53
87,197	85,294	382,184	13,960	31,963	10,817	507,223	16,022	1,384,249	861,004	314	.....	.....	.....	.....	314	.....	54
80,332	72,555	354,186	10,651	29,016	10,428	490,262	14,442	1,299,745	795,041	302	.....	.....	.....	.....	302	.....	55
6,865	12,730	16,006	3,309	1,713	198	14,950	433	60,105	44,722	7	.....	.....	.....	.....	7	.....	56
.....	.....	11,992	.....	1,234	191	2,011	1,147	24,399	21,241	5	.....	.....	.....	.....	5	.....	57
198,543	247,877	738,286	200,962	50,992	25,251	837,581	28,066	3,129,560	2,263,913	746	.....	.....	19	.....	727	.....	58
12,496	33,493	62,723	13,175	1,770	1,737	90,212	7,736	288,514	190,566	93	.....	.....	.....	.....	93	.....	59
102,712	120,829	603,504	5,313	39,991	18,380	669,153	17,013	2,087,619	1,401,453	448	.....	.....	19	.....	429	.....	60
88,335	84,555	72,059	182,474	9,231	5,134	78,216	3,317	753,427	671,894	205	.....	.....	.....	.....	205	.....	61

[3] No figures given for reasons stated under "Explanation of terms."
[4] Same number reported for one or more other months.
[5] Same number reported throughout the year.
[6] None reported for one or more other months.

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															Dollars.
1	Saddlery and harness	18	111	21	9	11	3	67	Jy 73	Fe 59	70	70	.....	.....	.....	321,050
2	Signs, electric and other	3	19	2	1	2	.....	14	Je[3] 18	Oc[3] 10	11	11	.....	.....	.....	15,149
3	Slaughtering and meat packing	11	603	11	9	110	27	446	Ja 554	Se 399	431	392	39	.....	.....	3,976,407
4	Smelting, lead	3	1,980	.....	42	170	19	1,749	Ja 2,253	Je 1,514	1,698	1,697	1	.....	.....	18,152,457
5	Soap	4	7	2	.....	.....	1	4	Ja[3] 5	Jy[3] 3	5	5	.....	.....	.....	135,203
6	Sugar, beet	16	2,530	.....	155	117	44	2,214	No 5,024	Mh 775	4,724	4,249	475	.....	.....	89,922,847
7	Tobacco, cigars	15	76	17	2	1	2	54	No 63	Fe[3] 50	59	45	14	.....	.....	99,539
8	Trunks and valises	6	28	9	1	4	1	13	Jy[3] 15	Ja[3] 10	15	15	.....	.....	.....	53,861
9	All other industries *	90	3,227	60	133	251	83	2,700	.....	.....	.....	.....	.....	.....	.....	34,706,916

* All other industries embrace—

Agricultural implements	1	Brass, bronze, and copper products	2	Cotton goods	1	Grease and tallow, not including lubricating greases	1
Artificial flowers	2	Brooms, from broom corn	2	Dairymen's and apiarists' supplies	1	Hair work	1
Artificial limbs	2	Clothing, women's	2	Druggists' preparations	1	Hand stamps	1
Baskets, and rattan and willow ware	1	Coal-tar products	1	Electrical machinery, apparatus, and supplies	2	Iron and steel, steel works and rolling mills	1
Boots and shoes	1	Coffins, burial cases, and undertakers' goods	3	Engraving, steel and copper plate, including plate printing	3	Liquors, cereal beverages	2
Boxes, cigar	1	Coke, not including gas-house coke	1	Explosives	1	Looking-glass and picture frames	1
Boxes, set-up paper boxes	2	Condensed milk	3				
Boxes, wooden packing, except cigar boxes	2	Cordials and flavoring sirups	1				

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

1	SALT LAKE CITY. All industries.	415	7,992	328	451	594	257	6,362	De 6,828	My 5,977	7,065	5,638	1,282	101	49	26,017,332
2	Artificial stone products	3	39	1	2	2	1	33	Au 81	Mh 12	36	36	.....	.....	.....	109,852
3	Automobile repairing	51	299	48	26	5	10	210	Jy 251	Ja 142	227	224	2	1	.....	289,507
4	Bread and other bakery products	33	514	32	23	40	17	402	Au 425	Ja 372	409	253	148	9	4	1,212,729
5	Butter	5	112	1	7	20	15	69	Ap 75	Fe 65	68	45	23	.....	.....	577,139
6	Cars and general shop construction and repairs by steam-railroad companies	3	1,634	.....	49	23	16	1,546	De 1,722	My 1,104	1,722	1,708	14	.....	.....	1,482,482
7	Confectionery and ice cream	31	1,005	41	41	79	32	812	.....	.....	988	332	588	27	41	2,893,514
8	Confectionery	22	893	25	33	74	27	734	De 894	Au 601	894	272	574	10	38	2,788,256
9	Ice cream	9	112	16	8	5	5	78	Jy 116	Ja[3] 58	94	60	14	17	3	105,258
10	Copper, tin, and sheet-iron work	23	142	30	8	6	1	97	No 109	Se 77	123	113	.....	10	.....	282,077
11	Dental goods	4	19	5	.....	1	.....	13	Fe[3] 14	Je[3] 12	14	14	.....	.....	.....	14,430
12	Flavoring extracts	3	14	1	1	2	2	8	(4) 8	(4) 8	8	5	2	1	.....	16,919
13	Foundry and machine-shop products	21	435	19	45	25	7	339	.....	.....	405	391	3	11	.....	1,552,314
14	Foundries	4	29	9	3	2	.....	15	Ap[3] 23	Se[3] 2	22	22	.....	.....	.....	41,288
15	All other	17	406	10	42	23	7	324	Ja 428	Se 99	383	369	3	11	.....	1,511,026
16	Fur goods	3	10	3	1	.....	.....	6	De 9	Au 3	8	3	5	.....	.....	7,501
17	Furniture, store and office fixtures	3	50	4	4	1	1	40	Oc[3] 43	Ja[3] 37	44	44	.....	.....	.....	41,305
18	Iron and steel, welding	4	11	6	.....	.....	.....	5	Ap[3] 6	Oc[3] 4	5	5	.....	.....	.....	13,688
19	Knit goods	5	155	.....	15	41	8	91	Se 110	Ja 69	125	17	108	.....	.....	334,252
20	Lumber, planing-mill products, not including planing mills connected with sawmills.	10	167	5	13	14	.....	135	De 176	Ja 105	177	177	.....	.....	.....	303,948
21	Marble and stone work, except slate	5	43	4	4	5	2	28	My 35	Fe 21	33	33	.....	.....	.....	129,681
22	Mineral and soda waters	10	57	6	7	4	4	36	Jy 51	Ja[3] 27	38	38	.....	.....	.....	125,474
23	Patent medicines and compounds	6	5	1	2	.....	.....	2	Mh 3	Fe 1	5	5	.....	.....	.....	6,412
24	Printing and publishing, book and job	35	431	28	26	56	17	304	.....	.....	320	250	57	12	1	643,748
25	Job printing and book publishing and printing.	32	419	24	26	56	17	296	No 319	Mh 278	312	242	57	12	1	622,509
26	Linotype work and typesetting	3	12	4	.....	.....	.....	8	Ap[3] 9	My[3] 7	8	8	.....	.....	.....	21,239
27	Printing and publishing, newspapers and periodicals.	39	890	8	69	137	67	609	.....	.....	599	562	28	9	.....	877,317
28	Printing, publishing, and job printing.	11	715	3	33	93	25	561	Ja 567	No[3] 551	549	522	27	.....	.....	564,182
29	All other	28	175	5	36	44	42	48	No 51	Mh 44	50	40	1	9	.....	313,135
30	Tobacco, cigars	8	42	9	1	.....	.....	32	No[3] 38	Fe 29	35	26	9	.....	.....	33,888
31	All other industries *	110	1,918	76	107	133	57	1,545	.....	.....	1,676	1,352	300	21	3	15,069,155

*All other industries embrace—

Artificial flowers	2	Boxes, wooden packing, except cigar boxes	1	Cleansing and polishing preparations	2	Electrical machinery, apparatus, and supplies	1
Artificial limbs	2	Brass, bronze, and copper products	2	Clothing, men's	2	Engraving, steel and copper plate, including plate printing	3
Automobile bodies and parts	5	Brick, sewer pipe, and draintile	1	Clothing, women's, wrappers and house dresses	1	Flour-mill and gristmill products	3
Awnings, tents, and sails	5	Carriages and wagons	1	Coal-tar products	1	Food preparations, not elsewhere specified	3
Bookbinding and blank-book making	3	Cars and general shop construction and repairs by electric-railroad companies	1	Coffee, roasting and grinding	2	Gas, illuminating and heating	1
Boots and shoes	1	Cement	1	Coffins, burial cases, and undertakers' goods	2	Grease and tallow, not including lubricating greases	1
Boxes, cigar	1	Chemicals	1	Cordials and flavoring sirups	1		
Boxes, set-up paper boxes	2			Druggists' preparations	1		

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

1	OGDEN	128	3,606	103	133	163	96	3,111	Se 3,845	Ja 2,674	3,305	2,683	682	9	21	9,290,971
2	PROVO	37	610	34	23	24	4	525	Se 830	Mh 367	848	397	443	8	.....	1,467,286

[1] Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSRIES: 1919—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.
											Owned.					
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.							
11,340	9,220	85,970	.....	3,433	11,256	438,596	2,698	662,018	220,724	40	.....	.....	.....	.....	40	.....
2,175	4,013	15,303	.....	900	507	31,051	203	46,437	15,183	6	.....	.....	.....	1	5	.....
36,816	195,021	470,341	.....	1,440	108,485	9,981,802	50,261	11,124,341	1,092,278	1,104	25	.....	.....	.....	1,079	15
225,160	204,320	2,700,111	.....	.....	162,679	21,604,498	2,133,231	27,518,050	3,780,321	14,110	8,225	2,150	.....	.....	3,735	4,365
.....	750	4,383	.....	235	315	5,468	229	13,597	7,900	35	20	.....	.....	.....	15	.....
467,138	150,344	1,999,012	.....	.....	1,056,647	11,808,671	761,664	20,569,135	7,938,800	14,948	11,310	500	.....	.....	3,138	2,757
2,640	2,640	64,743	.....	2,357	22,274	85,811	665	212,966	126,490	3	.....	.....	.....	.....	3	.....
1,500	5,015	10,551	.....	5,480	194	21,923	74	62,562	40,565	4	.....	.....	.....	.....	4	.....
514,276	509,764	3,320,667	7,661	35,140	725,378	30,448,252	2,396,116	40,931,910	8,087,542	21,211	9,148	5,700	150	214	5,999	7,095

Minerals and earths, ground or otherwise treated 3
Models and patterns, not including paper patterns 2
Optical goods 4
Paints 2
Petroleum, refining 1
Pottery, earthen and stone ware 1
Printing materials 1
Pumps, power, other than steam 1
Salt 6
Scales and balances 2
Shirts 2
Smelting, copper 1
Smelting, zinc 1
Soda-water apparatus 1
Steam packing 1
Stencils and brands 1
Structural ironwork, not made in steel works or rolling mills 3
Sulphuric, nitric, and mixed acids 1
Surgical appliances 1
Tinware, not elsewhere specified 1
Umbrellas and canes 1
Upholstering materials, curled hair 1
Vinegar and cider 2
Wall plaster and composition flooring 3
Wooden goods, not elsewhere specified 1
Woolen goods 2
Wool pulling 1

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

1,058,264	1,167,437	7,153,436	207,659	287,052	655,146	16,518,354	900,755	33,356,911	15,937,802	15,796	2,401	239	10	40	13,106	70	1
6,390	5,297	40,688	.....	1,260	762	22,890	1,624	90,296	65,782	59	43	.....	5	.....	11	.....	2
34,075	10,980	241,560	300	37,708	2,681	178,009	11,059	627,277	438,209	193	.....	.....	2	.....	191	.....	3
50,449	69,882	342,728	248	29,416	29,761	1,541,426	45,351	2,471,099	884,322	326	.....	.....	.....	.....	326	.....	4
24,445	55,746	78,739	.....	7,904	4,384	1,670,685	13,675	1,904,970	220,610	116	.....	.....	.....	.....	116	.....	5
127,383	53,602	2,430,511	.....	.....	29,764	1,519,747	75,129	4,304,276	2,709,400	2,280	700	.....	.....	.....	1,580	.....	6
101,891	367,481	483,622	.....	33,455	88,924	2,587,631	37,715	4,917,203	2,291,857	821	.....	.....	.....	.....	821	.....	7
88,528	351,871	420,955	.....	26,214	85,869	2,158,154	27,193	4,279,903	2,094,556	689	.....	.....	.....	.....	689	.....	8
13,363	15,610	62,667	.....	7,241	3,055	429,477	10,522	637,300	197,301	132	.....	.....	.....	.....	132	.....	9
26,391	5,587	115,621	.....	8,239	1,874	231,825	2,856	463,239	228,558	125	.....	.....	.....	.....	125	.....	10
.....	485	13,122	.....	1,589	17	21,935	45	57,231	35,251	1	.....	.....	.....	.....	1	.....	11
1,800	5,165	3,910	.....	970	248	25,386	23	44,056	18,647	.....	.....	.....	.....	.....	.....	.....	12
106,348	44,022	407,965	25	9,080	23,812	546,648	56,824	1,448,044	844,572	1,913	.....	.....	.....	.....	1,913	.....	13
7,020	3,072	20,652	.....	2,475	1,050	42,154	5,582	97,459	49,723	71	.....	.....	.....	.....	71	.....	14
99,328	40,950	387,313	25	6,605	22,762	504,494	51,242	1,350,585	794,849	1,842	.....	.....	.....	.....	1,842	.....	15
250	.....	4,702	278	4,220	79	12,255	170	30,488	18,063	1	.....	.....	.....	.....	1	.....	16
6,420	865	43,045	200	1,725	685	60,234	819	129,303	68,250	81	.....	.....	.....	.....	81	.....	17
.....	.....	8,900	.....	1,440	113	11,945	1,065	39,053	26,043	17	.....	.....	.....	.....	17	.....	18
21,216	16,904	56,934	.....	5,445	7,175	339,543	2,556	515,674	173,575	45	.....	.....	.....	.....	45	.....	19
16,709	14,606	203,399	797	1,369	6,177	284,741	9,008	666,189	372,440	1,344	.....	.....	.....	.....	1,344	.....	20
11,400	4,860	40,618	.....	3,632	2,647	53,903	2,731	169,648	113,014	176	.....	.....	3	.....	173	.....	21
10,435	6,286	41,914	.....	3,225	11,146	160,246	2,470	323,476	160,760	64	.....	.....	.....	.....	64	.....	22
650	.....	2,064	450	1,195	164	8,417	82	19,666	11,167	5	.....	.....	.....	.....	5	.....	23
62,025	60,620	301,048	13,760	26,554	9,533	420,551	12,920	1,125,812	692,341	242	.....	.....	.....	.....	242	.....	24
62,025	60,620	289,056	13,760	25,320	9,342	418,540	11,773	1,101,413	671,100	237	.....	.....	.....	.....	237	.....	25
.....	.....	11,992	.....	1,234	191	2,011	1,147	24,399	21,241	5	.....	.....	.....	.....	5	.....	26
158,766	203,715	571,107	172,541	37,851	18,906	651,435	12,055	2,450,621	1,787,131	490	.....	.....	.....	.....	490	.....	27
73,775	117,705	496,786	300	28,365	14,117	577,762	8,575	1,713,634	1,127,297	282	.....	.....	.....	.....	282	.....	28
84,991	86,010	74,321	172,241	9,486	4,789	73,673	3,480	736,987	659,834	208	.....	.....	.....	.....	208	.....	29
1,440	.....	33,464	.....	1,800	9,152	33,866	232	90,618	56,520	2	.....	.....	.....	.....	2	.....	30
289,781	241,384	1,687,715	19,060	69,515	407,142	6,135,036	612,346	11,468,672	4,721,290	7,495	1,658	239	.....	40	5,558	70	31

Hair work 1
Ice, manufactured 3
Jewelry 4
Lime 1
Liquors, cereal beverages 1
Looking-glass and picture frames 1
Mattresses and spring beds 3
Minerals and earths, ground or otherwise treated 1
Models and patterns, not including paper patterns 2
Optical goods 2
Paints 2
Petroleum, refining 1
Photo-engraving 2
Pickles and sauces 2
Printing materials 1
Pumps, power, other than steam 1
Saddlery and harness 5
Scales and balances 2
Shirts 1
Signs, other than electric 2
Slaughtering and meat packing 2
Soap 3
Soda-water apparatus 1
Steam packing 1
Stencils and brands 1
Structural ironwork, not made in steel works or rolling mills 2
Surgical appliances 1
Trunks and valises 5
Umbrellas and canes 1
Upholstering materials, curled hair 1
Vinegar 1

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

365,408	304,416	3,351,764	12,100	69,320	160,986	12,448,635	289,736	18,149,831	5,411,460	5,564	1,387	.....	.....	.....	4,177	1,485	1
57,204	50,621	441,396	.....	6,054	27,135	652,536	52,430	1,539,461	834,495	1,141	161	.....	23	60	897	.....	2

[3] Same number reported for one or more other months.
[4] Same number reported throughout the year.

VERMONT.

GENERAL STATISTICS.

General character of the state.—Vermont has a gross area of 9,564 square miles, of which 9,124 represent land surface. The inhabitants of the state in 1900 numbered 343,641; in 1910, 355,956; and in 1920, 352,428. In total population Vermont ranked forty-fourth among the states in 1920. The number of inhabitants per square mile in 1910 was 39, the corresponding figures for 1920 being 38.6.

In 1920 there were three cities in the state—Barre, Burlington, and Rutland—having more than 10,000 inhabitants. These cities, with a combined population in that year of 47,741, or 13.5 per cent of the total population for Vermont, in 1919 reported 20.6 per cent of the value of the state's manufactured products.

Importance and growth of manufactures (Table 1).—The large increases in wages, cost of materials, and value of products, as presented in this table, are largely due to the change in industrial conditions brought about by the World War, and therefore can not properly be used to measure the growth of manufactures during the census period 1914 to 1919. The addition of the Federal income tax since 1914 will account for the increase in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those for prior censuses.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is often misleading as to their real importance from a manufacturing standpoint. Their ranking might change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The 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." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 26.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed more than 200 wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—From 1914 to 1919 Barre shows a decrease of 468, or 19.8 per cent, in the total average number of wage earners, while the value of its products shows an increase of 98.1 per cent.

Wage earners, by months (Table 7).—The statistics for wage earners presented in this table are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the several census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, similar data are given for males and females for all industries combined, and also for the cities of Barre, Burlington, and Rutland. There were a number of industries in the state in 1919 showing a large proportion of female wage earners. Figures are presented in this table for the most important of these industries.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Vermont. In that year 17.1 per cent of the wage earners were included in the group "48 and under," as against 37 per cent in 1919. In 1914 the "60" and "over 60" groups constituted 17.2 per cent of the total wage earners, as compared with 9.8 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 95.8 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 46.3 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 4.2 per cent of the total manufacturing establishments in the state, but reported 53.7 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at $100,000 to $1,000,000 constituted one group, but at the census of 1919 this group was subdivided into "$100,000 to $500,000" and "$500,000 to $1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for

1914. The table, therefore, gives combined figures for these two groups for 1909, and in the case of average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in several instances to combine the establishments of one group of the industry with those of some other group to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—The table strikingly illustrates the fact that the number of establishments of itself is no real index of manufacturing activities.

Character of ownership (Table 14).—The preponderance of corporate ownership is clearly brought out in this table. Although corporations owned but 26.2 per cent of the number of establishments in the state in 1919, they reported 78.4 per cent of the average number of wage earners and 77.3 per cent of the total value of products. During the five-year period 1914 to 1919 the average number of wage earners in corporations increased 2,908, or 12.5 per cent, and the value of products $77,160,094, or 146 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in the three cities in 1919 represented but 16 per cent of the total in the state. They reported in that year 20.2 per cent of the average number of wage earners and 20.6 per cent of the value of products.

Number and horsepower of types of prime movers (Table 16).—The total horsepower reported in 1919 as compared with that for 1914 shows an increase of 12,458 horsepower, or 7.2 per cent. This increase, however, is wholly due to the gain of 33,482 horsepower, or 118 per cent, in rented power, since the owned power decreased 21,024 horsepower, or 14.6 per cent, during the five-year period.

Fuel consumed (Table 17).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE.[1]			
	1919	1914	1909	1904	1899	1914–1919	1909–1914	1904–1909	1899–1904
Number of establishments	1,790	1,772	1,958	1,699	1,938	1.0	−9.5	15.2	−12.3
Persons engaged	38,845	37,217	38,580	37,015	(2)	4.4	−3.5	4.2	.....
Proprietors and firm members	1,804	1,787	2,113	1,856	(2)	1.0	−15.4	13.8	.....
Salaried employees	3,550	2,726	2,679	2,053	1,695	30.2	1.8	30.5	21.1
Wage earners (average number)	33,491	32,704	33,788	33,106	28,179	2.4	−3.2	2.1	17.5
Primary horsepower	185,095	172,637	159,445	140,016	126,124	7.2	8.3	13.4	11.5
Capital	$134,314,391	$79,846,775	$73,470,107	$62,658,741	$43,490,633	68.2	8.7	17.3	44.0
Salaries and wages	41,429,114	22,001,662	20,075,181	17,323,767	13,037,662	88.3	9.6	15.9	32.9
Salaries	7,345,179	3,384,587	2,803,429	2,102,708	1,610,514	117.0	20.7	33.3	30.6
Wages	34,083,935	18,617,075	17,271,702	15,221,059	11,426,548	83.1	7.8	13.5	33.2
Paid for contract work	753,451	1,162,281	591,481	700,763	(2)	−35.2	96.5	−15.6	.....
Rent and taxes	5,902,928	832,917	509,084	[3] 450,721	(2)	608.7	63.6	12.9	.....
Cost of materials	95,172,581	42,705,720	34,822,728	32,429,852	26,384,812	122.9	22.6	7.4	22.9
Value of products	168,108,072	76,996,974	68,309,824	63,083,611	51,515,228	118.3	12.7	8.3	22.5
Value added by manufacture[4]	72,935,491	34,285,254	33,487,096	30,653,759	25,130,416	112.7	2.4	9.2	22.0

[1] A minus sign (−) denotes decrease. [2] Figures not available. [3] Exclusive of internal revenue. [4] Value of products less cost of materials.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
		Average number.	Wages.					
The state	1,790	33,491	$34,083,935	$5,902,928	$95,172,581	$168,108,072	$72,935,491	185,095
Addison	109	714	549,009	29,140	2,356,150	3,598,341	1,242,191	4,411
Bennington	139	3,701	3,461,437	714,903	8,820,348	16,898,154	8,077,806	14,345
Caledonia	155	2,037	2,223,432	126,814	6,072,264	10,671,868	4,599,604	12,509
Chittenden	158	4,929	4,534,191	923,314	21,272,568	32,243,105	10,970,537	22,291
Essex	24	351	373,608	79,082	750,769	1,668,321	917,552	6,896
Franklin	88	2,249	2,477,350	242,975	12,783,559	17,194,422	4,410,863	11,108
Grand Isle	5	18	15,736	1,001	177,350	355,325	177,975	132
Lamoille	77	597	557,775	41,521	2,039,044	3,436,275	1,397,231	4,950
Orange	102	463	363,945	27,260	2,293,760	3,206,169	912,409	4,834
Orleans	88	1,374	1,141,562	116,750	4,520,460	7,272,074	2,751,614	6,867
Rutland	225	5,266	5,114,156	672,170	5,682,382	14,852,791	9,170,409	21,665
Washington	290	3,865	4,651,210	283,179	7,787,823	16,961,064	9,173,241	23,297
Windham	170	3,159	3,133,275	336,376	8,530,428	14,624,977	6,094,549	23,829
Windsor	160	4,768	5,487,249	2,308,443	12,085,676	25,125,186	13,039,510	27,961

TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries	1,790	33,491	100.0	$168,108	100.0	$72,935	100.0
Marble and stone work	287	5,400	16.1	17,426	10.4	11,260	15.4
Woolen and worsted goods	18	3,031	9.1	17,426	10.4	6,890	9.4
Paper and wood pulp	20	1,832	5.5	10,863	6.5	4,299	5.9
Butter	92	293	0.9	10,194	6.1	1,303	1.8
Machine tools	6	2,024	6.0	9,610	5.7	6,683	9.2
Lumber and timber products	409	3,020	9.0	8,362	5.0	5,383	7.4
Food preparations, not elsewhere specified	30	203	0.6	7,177	4.3	835	1.1
Condensed milk	7	207	0.8	6,862	4.1	436	0.6
Flour-mill and gristmill products	108	169	0.5	6,144	3.6	812	1.1
Knit goods	7	1,105	3.3	5,063	3.0	1,968	2.7
Cars and general shop construction and repairs by steam-railroad companies	6	1,566	4.7	4,608	2.7	2,340	3.2
Cotton goods	4	1,092	3.3	4,384	2.6	2,257	3.1
Foundry and machine-shop products	30	1,012	3.0	3,344	2.0	1,945	2.7
Furniture, wood, other than rattan and willow	16	1,022	3.1	3,242	1.9	1,915	2.6
Lumber, planing-mill products, not including planing mills connected with sawmills	35	349	1.0	2,847	1.7	991	1.4
Bread and other bakery products	71	289	0.9	2,533	1.5	788	1.1
Patent medicines and compounds	14	138	0.4	1,949	1.2	1,030	1.4
Boxes, wooden packing, except cigar boxes	13	579	1.7	1,934	1.1	848	1.2
Automobile repairing	88	297	0.9	$1,821	1.1	$1,147	1.6
Clothing, men's	8	404	1.2	1,789	1.1	745	1.0
Confectionery and ice cream	25	350	1.0	1,757	1.0	677	0.9
Tools, not elsewhere specified	7	355	1.1	1,558	0.9	962	1.3
Minerals and earths, ground or otherwise treated	10	403	1.2	1,528	0.9	1,188	1.6
Cheese	38	48	0.1	1,483	0.9	143	0.2
Toys and games	6	423	1.3	1,351	0.8	752	1.0
Paper goods, not elsewhere specified	4	111	0.3	1,289	0.8	421	0.6
Wood, turned and carved	25	366	1.1	907	0.5	587	0.8
Printing and publishing, newspapers and periodicals	53	286	0.9	895	0.5	674	0.9
Refrigerators	3	293	0.9	825	0.5	469	0.6
Printing and publishing, book and job	53	329	1.0	821	0.5	553	0.8
Clothing, women's	7	348	1.0	797	0.5	488	0.7
Textile machinery and parts	14	243	0.7	722	0.4	456	0.6
Agricultural implements	10	241	0.7	601	0.4	310	0.4
Copper, tin, and sheet-iron work	15	111	0.3	570	0.3	265	0.4
Shirts	9	338	1.0	529	0.3	272	0.4
Canning and preserving, vegetables	9	173	0.5	522	0.3	162	0.2
All other industries [1]	233	4,981	14.9	24,375	14.5	10,676	14.6

[1] Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are a number having products in excess of some for which figures are shown in the table. Of these industries the most important are the following: Brushes; chocolate and cocoa products; dairymen's supplies; leather, tanned, curried, and finished; musical instruments, organs; musical instruments, piano materials; scales and balances; window and door screens; and wool shoddy.

TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL.	
					Male.	Female.
All classes	1919	38,845	32,918	5,927	84.7	15.3
	1914	37,217	32,591	4,626	87.6	12.4
	1909	38,580	33,305	5,275	86.3	13.7
Proprietors and officials	1919	3,265	3,133	132	96.0	4.0
	1914	2,756	2,696	60	97.8	2.2
	1909	3,088	3,013	75	97.6	2.4
Proprietors and firm members	1919	1,804	1,730	74	95.9	4.1
	1914	1,787	1,743	44	97.5	2.5
	1909	2,113	2,053	60	97.2	2.8
Salaried officers of corporations	1919	574	547	27	95.3	4.7
	1914	333	326	7	97.9	2.1
	1909	302	293	9	97.0	3.0
Superintendents and managers	1919	887	856	31	96.5	3.5
	1914	636	627	9	98.6	1.4
	1909	673	667	6	99.1	0.9
Clerks and other subordinate salaried employees	1919	2,089	1,172	917	56.1	43.9
	1914	1,757	1,171	586	66.6	33.4
	1909	1,704	1,202	502	70.5	29.5
Wage earners (average number)	1919	33,491	28,613	4,878	85.4	14.6
	1914	32,704	28,724	3,980	87.8	12.2
	1909	33,788	29,090	4,698	86.1	13.9
16 years of age and over	1919	33,388	28,541	4,847	85.5	14.5
	1914	32,652	28,682	3,970	87.8	12.2
	1909	33,577	28,946	4,631	86.2	13.8
Under 16 years of age	1919	103	72	31	69.9	30.1
	1914	52	42	10	80.8	19.2
	1909	211	144	67	68.2	31.8

TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Census year.	Wage earners (average number).	PER CENT OF TOTAL. 16 years of age and over. Male.	Female.	Under 16 years of age.
All industries	1919	33,491	85.3	14.4	0.3
	1914	32,704	87.7	12.1	0.2
	1909	33,788	85.7	13.7	0.6
Agricultural implements	1919	241	97.9	2.1	.....
	1914	311	97.4	2.6	.....
Automobile repairing	1919	297	99.3	0.3	0.3
Boxes, wooden packing, except cigar boxes	1919	579	87.9	12.1	.....
	1914	443	93.5	6.5	.....
Bread and other bakery products	1919	289	77.5	21.1	1.4
	1914	357	83.2	15.1	1.7
Butter	1919	293	96.2	3.8	.....
	1914	330	97.3	1.5	1.2
Cars and general shop construction and repairs by steam-railroad companies.	1919	1,566	99.1	0.9	.....
	1914	1,345	100.0	.....	.....
Clothing, men's	1919	404	10.4	89.4	0.2
	1914	462	8.9	91.1	.....
Clothing, women's	1919	348	9.5	90.5	.....
	1914	387	8.5	91.5	.....
Condensed milk	1919	267	93.6	6.4	.....
	1914	118	91.5	8.5	.....
Confectionery and ice cream	1919	350	45.4	54.6	.....
	1914	165	46.1	53.9	.....
Cotton goods	1919	1,092	56.0	42.8	1.2
	1914	992	60.9	38.5	0.6
Food preparations, not elsewhere specified	1919	203	94.6	5.4	.....
	1914	141	89.4	10.6	.....
Foundry and machine-shop products[1]	1919	3,279	95.7	4.3	.....
	1914	1,752	98.9	1.1	.....
Furniture, wood, other than rattan and willow.	1919	1,022	93.2	5.9	1.0
	1914	1,035	97.3	2.2	0.5
Knit goods	1919	1,105	32.2	67.6	0.2
	1914	963	36.0	63.7	0.3
Lumber and timber products	1919	3,020	97.8	1.6	0.6
	1914	3,127	99.9	(2)	(2)
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	349	100.0	.....	.....
	1914	528	99.8	0.2	.....
Marble and stone work	1919	5,400	99.7	0.2	0.1
	1914	9,018	99.9	(2)	0.1
Minerals and earths, ground or otherwise treated.	1919	403	99.3	0.7	.....
	1914	230	.....	.....	.....
Paper and wood pulp	1919	1,832	94.1	5.6	0.3
	1914	1,264	95.2	4.8	.....
Printing and publishing, book and job	1919	329	67.2	31.3	1.5
	1914	297	78.5	21.2	0.3
Printing and publishing, newspapers and periodicals.	1919	286	69.6	28.7	1.7
	1914	354	76.0	24.0	.....
Refrigerators[3]	1919	293	95.6	4.1	0.3
Shirts	1919	338	9.5	90.2	0.3
	1914	526	19.2	80.0	0.8
Tools, not elsewhere specified	1919	355	96.6	3.1	0.3
	1914	215	90.7	9.3	.....
Toys and games	1919	423	80.4	18.7	0.9
	1914	160	68.1	31.0	.....
Wood, turned and carved	1919	366	84.2	15.8	.....
	1914	361	94.5	5.0	0.5
Woolen and worsted goods	1919	3,031	74.9	24.9	0.2
	1914	2,226	71.5	28.5	(2)
All other industries	1919	5,731	85.6	14.1	0.3
	1914	5,597	89.2	10.5	0.2

[1] Includes "machine tools" and "textile machinery and parts." [2] Less than one-tenth of 1 per cent. [3] Not shown separately in 1914.

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Census year.	Barre.	Burlington.	Rutland.
Wage earners (average number)	1919	1,898	2,913	1,955
	1914	2,366	2,132	1,771
	1909	2,340	2,371	1,636
16 years of age and over: Male	1919	1,859	1,996	1,714
	1914	2,355	1,452	1,531
	1909	2,325	1,601	1,245
Female	1919	38	902	241
	1914	9	678	231
	1909	3	740	390
Under 16 years of age	1919	1	15	.....
	1914	2	2	9
	1909	12	30	1
Value of products	1919	$8,499,931	$19,489,386	$6,668,955
	1914	4,291,600	6,636,956	3,276,709
	1909	3,852,177	6,800,490	2,679,528

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER.[1]			PER CENT OF MAXIMUM.			MONTH.	NUMBER.[1]			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January	31,239	33,288	33,013	85.4	97.4	95.2	July	33,385	31,792	32,875	91.2	93.0	94.8
February	*31,135*	33,273	33,710	85.1	97.3	97.2	August	34,272	*31,218*	33,359	93.7	91.3	96.2
March	31,410	34,155	34,257	85.9	99.9	98.8	September	34,649	32,208	34,098	94.7	94.2	98.3
April	31,757	**34,194**	34,288	86.8	100.0	98.9	October	35,621	31,615	34,392	97.4	92.5	99.2
May	32,638	34,125	34,317	89.2	99.8	99.0	November	36,003	31,571	**34,677**	98.4	92.3	100.0
June	33,184	33,254	34,134	90.7	97.3	98.4	December	**36,590**	31,760	*32,342*	100.0	92.9	93.3

[1] The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by **bold-faced** figures, minimum by *italic* figures.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by **bold-faced** figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	33,491	31,239	*31,135*	31,419	31,757	32,638	33,184	33,385	34,272	34,649	35,621	36,003	**36,590**	85.1
Males	28,613	26,966	*26,863*	27,044	27,259	27,932	28,359	28,377	28,995	29,482	30,290	30,642	**31,147**	86.2
Females	4,878	4,273	4,272	4,375	4,498	4,706	4,825	5,008	5,277	5,167	5,331	5,361	**5,443**	78.5
Agricultural implements	241	251	254	**255**	246	232	229	*226*	234	240	247	243	235	88.6
Automobile repairing	297	*233*	240	254	291	319	335	**345**	344	338	300	288	277	67.5
Boxes, wooden packing, except cigar boxes	579	628	632	593	542	562	534	568	*529*	565	582	604	609	83.7
Bread and other bakery products	289	*280*	283	*280*	282	284	293	298	294	296	295	291	292	94.0
Butter	293	253	*252*	256	275	304	334	**343**	325	311	298	283	277	73.5
Cars and general shop construction and repairs by steam-railroad companies	1,566	1,570	1,558	1,570	1,547	1,542	1,541	*1,531*	**1,560**	1,569	**1,608**	1,598	1,598	95.2
Clothing, men's	404	389	391	401	397	386	*385*	386	391	402	423	438	**459**	83.9
Clothing, women's	348	285	280	*275*	288	375	376	402	387	362	387	380	379	68.4
Condensed milk	267	196	266	277	314	**344**	**344**	314	288	245	235	191	*190*	55.2
Confectionery and ice cream	350	373	369	362	325	327	340	374	**381**	369	339	*317*	324	83.2
Cotton goods	1,092	1,101	1,104	1,091	1,068	1,065	*1,052*	1,074	1,101	1,115	1,104	**1,119**	1,110	94.0
Food preparations, not elsewhere specified	203	218	204	193	212	229	**248**	209	195	193	182	182	*171*	69.0
Foundry and machine-shop products	1,012	1,005	934	913	904	*886*	951	1,005	1,032	1,080	1,099	1,138	**1,197**	74.0
Furniture, wood, other than rattan and willow	1,022	*878*	924	965	887	905	977	1,078	1,081	1,082	1,137	**1,176**	1,174	74.7
Knit goods	1,105	1,113	1,122	1,144	1,099	1,109	1,159	1,163	**1,198**	*949*	1,033	1,063	1,108	79.3
Lumber and timber products	3,020	3,328	3,438	3,275	3,077	3,127	2,979	*2,295*	2,428	2,628	2,955	3,242	**3,468**	66.2
Lumber, planing-mill products, not including planing mills connected with sawmills	349	*288*	295	341	350	365	365	**386**	382	373	351	346	346	74.6
Machine tools	2,024	1,989	1,970	1,919	*1,897*	1,898	2,006	2,042	2,071	2,014	2,130	2,147	**2,205**	86.0
Marble and stone work	5,400	*4,965*	5,025	5,061	5,147	5,309	5,472	5,628	5,460	5,493	5,656	**5,793**	5,791	85.7
Minerals and earths, ground or otherwise treated	403	383	*321*	327	347	361	369	390	423	454	424	513	**524**	61.3
Paper and wood pulp	1,832	1,717	1,690	1,675	*1,671*	1,754	1,845	1,967	1,849	1,928	1,964	1,952	**1,972**	84.7
Printing and publishing, book and job	329	324	329	323	324	*320*	322	322	332	333	340	336	**343**	93.3
Printing and publishing, newspapers and periodicals	286	283	*280*	282	284	287	287	285	288	290	287	288	**291**	96.2
Refrigerators	293	316	316	**318**	306	284	*262*	281	282	280	281	289	301	82.4
Shirts	338	270	*253*	305	302	303	328	377	386	367	376	378	**411**	61.6
Textile machinery and parts	243	*222*	227	232	232	237	241	255	**264**	260	244	247	255	84.1
Tools, not elsewhere specified	355	348	354	368	346	*344*	346	349	348	345	370	364	**378**	91.0
Toys and games	423	*314*	328	300	367	407	414	444	457	459	455	527	**544**	57.7
Wood, turned and carved	366	*326*	328	344	359	366	382	369	369	371	386	392	**400**	81.5
Woolen and worsted goods	3,031	*1,819*	1,930	2,335	2,848	3,107	3,060	3,151	3,326	3,508	3,699	3,772	**3,817**	47.7
All other industries	5,731	5,574	5,238	*5,125*	5,223	5,300	5,408	5,528	6,267	6,430	**6,434**	6,101	6,144	79.7
Industries showing large proportion of females.														
Boxes, wooden packing, except cigar boxes	70	65	*62*	68	68	66	74	71	68	76	**78**	73	71	79.5
Bread and other bakery products	61	61	61	61	*60*	62	**63**	62	*60*	*60*	61	*60*	61	95.2
Clothing, men's	362	350	352	359	355	345	*342*	345	349	360	379	394	**414**	82.6
Clothing, women's	315	253	248	*243*	256	340	342	*367*	351	329	354	346	351	66.2
Confectionery and ice cream	191	206	204	200	185	183	192	206	**210**	195	174	*165*	174	77.6
Cotton goods	469	**483**	479	479	462	463	*454*	460	*454*	473	467	481	473	94.0
Furniture, wood, other than rattan and willow	62	48	*46*	47	48	52	58	59	59	70	82	77	98	46.9
Knit goods	749	740	754	771	740	750	785	795	**816**	*648*	705	731	753	79.4
Machine tools	129	**175**	163	149	137	133	122	117	120	116	112	104	*100*	57.1
Paper and wood pulp	105	82	*76*	77	87	107	121	124	**137**	108	114	110	117	55.5
Printing and publishing, book and job	103	*100*	102	101	*100*	101	*100*	*100*	105	104	**109**	106	108	91.7
Printing and publishing, newspapers and periodicals	82	83	82	83	82	**84**	81	82	81	82	81	*79*	84	94.0
Shirts	306	239	*222*	274	271	272	296	345	354	333	344	345	**377**	58.9
Toys and games	81	*53*	57	61	64	69	71	89	98	97	85	**114**	114	46.5
Woolen and worsted goods	761	*460*	466	507	671	750	755	779	832	915	982	**1,021**	994	45.1
Total for cities	6,766	6,548	6,470	6,468	*6,385*	6,555	6,557	6,884	6,988	6,985	7,035	7,149	**7,168**	89.1
Males	5,580	5,494	5,400	5,366	*5,302*	5,362	5,383	5,649	5,734	5,730	5,798	5,870	**5,872**	90.3
Females	1,186	*1,054*	1,070	1,102	1,083	1,193	1,174	1,235	1,254	1,255	1,237	1,279	**1,296**	81.3
BARRE	1,898	1,803	*1,761*	1,774	1,777	1,814	1,860	1,932	1,988	2,001	2,015	**2,036**	2,015	86.5
Males	1,860	1,765	*1,723*	1,736	1,739	1,776	1,822	1,894	1,950	1,962	1,977	**1,998**	1,978	86.2
Females	38	38	38	38	38	38	38	38	38	39	38	38	*37*	94.9
BURLINGTON	2,913	2,942	2,921	2,902	2,819	2,843	*2,800*	2,951	**2,985**	2,944	2,929	2,945	2,975	93.8
Males	2,006	2,031	1,994	1,987	1,927	1,930	*1,901*	2,020	2,054	2,022	2,048	2,065	**2,093**	90.8
Females	907	911	927	915	892	913	899	931	**931**	922	881	*880*	882	94.5
RUTLAND	1,955	1,803	*1,788*	1,792	1,789	1,898	1,897	2,001	2,015	2,040	2,091	2,168	**2,178**	82.1
Males	1,714	1,698	1,683	1,643	*1,636*	1,656	1,660	1,735	1,730	1,746	1,773	1,807	**1,801**	90.5
Females	241	*105*	*105*	149	153	242	237	266	285	294	318	361	**377**	27.9

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries	1919	33,491	2,926	301	9,163	3,945	9,227	4,659	2,481	789
	1914	32,704	(2)	(2)	5,579	4,727	6,452	10,314	5,077	555
	1909	33,788	(2)	(2)	4,898	1,080	4,000	11,302	11,879	629
Agricultural implements	1919	241				84	115	41	1	
	1914	311					52	219	40	
Automobile repairing	1919	297	13		3	13	145	14	102	7
Boxes, wooden packing, except cigar boxes	1919	579					358	60	161	
	1914	443	(2)	(2)	1		140	215	87	
Bread and other bakery products	1919	289	9		40	3	135	47	41	14
	1914	357	(2)	(2)	44		120	31	127	35
Butter	1919	293	5		34	15	94	20	34	91
	1914	330	(2)	(2)	9	5	42	35	105	134
Cars and general shop construction and repairs by steam-railroad companies.	1919	1,566	5		1,560				1	
	1914	1,345				261	341	743		
Clothing, men's	1919	404	208			174	22			
	1914	462	(2)	(2)	174	38		250		
Clothing, women's	1919	348			138	210				
	1914	387					113	254	20	
Condensed milk	1919	267						91	63	113
	1914	118							87	31
Confectionery and ice cream	1919	350			28	209	5	79	6	23
	1914	165					36	52	73	4
Cotton goods	1919	1,092			147	692		253		
	1914	992						992		
Food preparations, not elsewhere specified	1919	203				84	35	30	54	
	1914	141					32	21	88	
Foundry and machine-shop products [3]	1919	3,279			1,745	202	595	728	9	
	1914	1,752	(2)	(2)	319	706	302	375	50	
Furniture, wood, other than rattan and willow	1919	1,022			12	176	341	281	74	138
	1914	1,035					43	669	323	
Knit goods	1919	1,105		168	56	340		541		
	1914	963						702	261	
Lumber and timber products	1919	3,020	4	3	33	138	1,605	349	888	
	1914	3,127	(2)	(2)	19	15	508	802	1,783	
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	349	17		3	25	290		14	
	1914	528	(2)	(2)	12	1	236	120	159	
Marble and stone work	1919	5,400	2,605	118	229	341	2,055	50	2	
	1914	9,018	(2)	(2)	4,379	2,964	925	577	173	
Minerals and earths, ground or otherwise treated	1919	403					96	69	238	
	1914	230					5		100	125
Paper and wood pulp	1919	1,832			1,313		171	11	241	96
	1914	1,264	(2)	(2)	211	626	123	136	40	128
Printing and publishing, book and job	1919	329	2	2	256	45	18	6		
	1914	297	(2)	(2)	71	2	210	8	6	
Printing and publishing, newspapers and periodicals	1919	286	8	6	153	52	64		3	
	1914	354	(2)	(2)	102	29	187	23	13	
Refrigerators [4]	1919	293				72	221			
Shirts	1919	338				209	129			
	1914	526					526			
Tools, not elsewhere specified	1919	355	7		32	8	125	183		
	1914	215				39	8	168		
Toys and games	1919	423				26	14	383		
	1914	160						160		
Wood, turned and carved	1919	366					259	92	15	
	1914	361					5	113	236	7
Woolen and worsted goods	1919	3,031			2,319	196	121	312	83	
	1914	2,226					122	1,823	281	
All other industries	1919	5,731	43	4	1,062	631	2,214	1,019	451	307
	1914	5,597	(2)	(2)	238	41	2,376	1,826	1,025	91
Total for cities	1919	6,766	1,579	121	1,715	1,420	1,586	162	139	44
	1914	6,269	(2)	(2)	2,446	101	1,846	1,242	585	49
BARRE	1919	1,898	1,528	118	173	33	37	9		
	1914	2,366	(2)	(2)	2,260	39	66		1	
BURLINGTON	1919	2,913	51	2	385	1,285	920	124	118	19
	1914	2,132	(2)	(2)	131	62	467	1,008	444	20
RUTLAND	1919	1,955		1	1,157	102	620	29	21	25
	1914	1,771	(2)	(2)	55		1,313	234	140	29

[1] Includes 48 and under for 1914 and 1909.
[2] Corresponding figures not available.
[3] Includes "machine tools" and "textile machinery and parts."
[4] Not shown separately in 1914.

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—														
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.	
			Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	1,790	33,491	186	945	1,989	303	4,097	156	4,848	65	4,560	57	8,498	9	3,253	9	6,246
Agricultural implements	10	241		2	2	2	23	5	162	1	54						
Automobile repairing	88	297	8	64	144	16	153										
Boxes, wooden packing, except cigar boxes	13	579	2	2	5	3	42	2	71	2	132	2	329				
Bread and other bakery products	71	289	8	48	125	14	139	1	25								
Butter	92	293	5	76	149	9	93	2	51								
Cars and general shop construction and repairs by steam-railroad companies	6	1,566		2	6			1	32					2	635	1	893
Clothing, men's	8	404				1	14	4	131	2	147	1	112				
Clothing, women's	7	348		1	3			2	76	4	269						
Condensed milk	7	267		2	4	1	11	1	21	2	118	1	113				
Confectionery and ice cream	25	350	6	13	26	4	42			1	73	1	209				
Cotton goods	4	1,092										2	357	2	735		
Food preparations, not elsewhere specified	30	203	5	18	15	5	66	1	47	1	75						
Foundry and machine-shop products	30	1,012	3	7	18	8	126	5	147	4	299	3	422				
Furniture, wood, other than rattan and willow	16	1,022	1	5	11	2	17	1	44	1	74	6	876				
Knit goods	7	1,105								3	219	3	447	1	439		
Lumber and timber products	409	3,020	10	269	620	103	1,056	20	593	4	288	3	463				
Lumber, planing-mill products, not including planing mills connected with sawmills	35	349	7	17	25	6	74	4	106			1	144				
Machine tools	6	2,024		1	3					1	68	1	139			3	1,814
Marble and stone work	287	5,400	34	92	198	87	1,084	53	1,624	12	785	7	932	1	266	1	511
Minerals and earths, ground or otherwise treated	10	403				4	49	3	80	2	134	1	140				
Paper and wood pulp	20	1,832				4	56	6	167	5	374	4	595			1	640
Printing and publishing, book and job	53	329	18	25	52	4	37	5	187	1	53						
Printing and publishing, newspapers and periodicals	53	286	9	27	81	15	142	2	63								
Refrigerators	3	293								2	156	1	137				
Shirts	9	338	1	2	6	3	47	1	43			2	242				
Textile machinery and parts	14	243		1	1	10	104	2	53	1	85						
Tools, not elsewhere specified	7	355		1	5	2	15	1	32	1	79	2	224				
Toys and games	6	423	1			1	14	2	60			2	349				
Wood, turned and carved	25	366	1	13	36	8	86	1	27	1	72	1	145				
Woolen and worsted goods	18	3,031	1			1	8	2	92	6	481	5	709	2	778	1	963
All other industries	421	5,731	66	257	454	50	599	29	914	8	525	8	1,414	1	400	2	1,425
Total for cities	287	6,766	31	95	236	85	985	50	1,542	14	992	8	1,201	3	1,232	1	578
BARRE	132	1,898	17	37	84	44	543	29	857	3	191	2	223				
BURLINGTON	91	2,913	9	32	98	25	272	12	384	6	431	5	846	2	882		
RUTLAND	64	1,955	5	26	54	16	170	9	301	5	370	1	132	1	350	1	578

TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	1,790	1,772	1,958	33,491	32,704	33,788	$168,108,072	$76,990,974	$68,309,824	$72,935,491	$34,285,254	$33,487,096
Less than $5,000	410	527	690	313	730	1,100	993,625	1,287,368	1,693,585	631,734	827,200	1,089,581
$5,000 to $20,000	558	620	644	1,926	3,311	3,844	6,132,192	6,571,006	6,976,450	3,480,519	3,529,041	3,729,572
$20,000 to $100,000	541	472	493	6,271	7,024	9,491	24,818,115	20,238,946	20,340,258	11,609,388	8,741,378	9,653,436
$100,000 to $500,000	207	131	127	8,929	15,045	14,466	43,889,269	26,292,587	32,104,250	18,250,989	16,072,472	14,813,124
$500,000 to $1,000,000	47	15		5,740			30,800,467	11,630,947		14,092,077		
$1,000,000 and over	27	7	4	10,312	5,694	4,887	61,414,404	10,970,120	7,195,281	24,870,784	5,115,163	4,201,383
	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	22.9	29.7	35.2	0.9	2.2	3.3	0.6	1.7	2.5	0.9	2.4	3.3
$5,000 to $20,000	31.2	35.0	32.9	5.8	10.1	11.4	3.6	8.5	10.2	4.8	10.3	11.1
$20,000 to $100,000	30.2	26.6	25.2	18.7	24.2	28.1	14.8	26.3	29.8	15.9	25.5	28.8
$100,000 to $500,000	11.6	7.4	6.5	26.7	46.0	42.8	26.1	34.1	47.0	25.0	46.9	44.2
$500,000 to $1,000,000	2.6	0.8		17.1			18.4	15.1		19.3		
$1,000,000 and over	1.5	0.4	0.2	30.8	17.4	14.5	36.5	14.2	10.5	34.1	14.9	12.5

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914
BREAD AND OTHER BAKERY PRODUCTS	71	85	100.0	100.0	289	357	100.0	100.0	$2,532,919	$1,402,063	100.0	100.0	$787,552	$589,941	100.0	100.0
Less than $5,000	9	17	12.7	20.0	11	12	3.8	3.4	28,418	50,494	1.1	3.6	9,415	21,313	1.2	3.6
$5,000 to $20,000	29	53	40.8	62.4	48	145	16.6	40.6	314,473	501,184	12.4	35.7	107,051	236,423	13.6	40.1
$20,000 to $100,000	27	12	38.0	14.1	133	104	46.0	29.1	1,041,046	350,302	41.1	25.6	297,733	127,743	37.8	21.7
$100,000 to $500,000	6	3	8.5	3.5	97	96	33.6	26.9	1,148,982	491,683	45.4	35.1	373,353	204,462	47.4	34.7
BUTTER	92	143	100.0	100.0	293	330	100.0	100.0	10,194,160	6,917,182	100.0	100.0	1,303,315	475,378	100.0	100.0
Less than $5,000	.....	3	.....	2.1	.....	2	.....	0.6	.....	10,099	.....	0.1	.....	459	.....	0.1
$5,000 to $20,000	8	23	8.7	16.1	6	22	2.0	6.7	98,747	288,002	1.0	4.2	16,516	29,213	1.3	6.2
$20,000 to $100,000	50	103	54.3	72.0	78	215	26.6	65.2	2,617,660	4,705,141	25.7	68.0	322,222	393,233	24.7	82.7
$100,000 to $500,000	31	14	33.7	9.8	146	91	49.8	27.6	5,636,484	1,913,040	55.8	27.7	597,418	52,473	45.8	11.0
$500,000 to $1,000,000	3	.....	3.3	.....	63	.....	21.5	.....	1,791,269	.....	17.6	.....	367,159	.....	28.2	.....
CONDENSED MILK	7	3	100.0	100.0	267	118	100.0	100.0	6,861,556	1,380,283	100.0	100.0	435,827	201,800	100.0	100.0
$100,000 to $500,000	3	[1] 3	42.9	100.0	15	[1] 118	5.6	100.0	747,895	[1] 1,380,283	10.9	100.0	36,031	[1] 201,800	8.3	100.0
$500,000 and over	4	.....	57.1	.....	252	.....	94.4	.....	6,113,661	.....	89.1	.....	399,796	.....	91.7	.....
FLOUR-MILL AND GRISTMILL PRODUCTS	108	125	100.0	100.0	169	179	100.0	100.0	6,143,940	4,142,854	100.0	100.0	811,044	483,804	100.0	100.0
Less than $5,000	3	5	2.8	4.0	1	3	0.6	1.7	9,848	14,132	0.2	0.3	2,931	2,973	0.4	0.6
$5,000 to $20,000	31	64	28.7	51.2	16	56	9.5	31.3	404,149	776,566	6.6	18.7	65,662	129,636	8.1	26.8
$20,000 to $100,000	59	51	54.6	40.8	92	86	54.4	48.0	2,719,158	1,998,566	44.3	48.2	486,012	292,633	60.0	60.5
$100,000 to $500,000	15	[2] 5	13.9	4.0	60	[2] 34	35.5	19.0	3,010,785	[2] 1,353,590	49.0	32.7	256,130	[2] 58,562	31.6	12.1
FOOD PREPARATIONS, NOT ELSEWHERE SPECIFIED	30	11	100.0	100.0	203	141	100.0	100.0	7,176,614	3,497,741	100.0	100.0	834,795	476,938	100.0	100.0
Less than $20,000	18	[3] 5	60.0	45.5	4	[3] 10	2.0	7.1	36,348	[3] 74,973	0.5	2.1	24,676	[3] 12,469	3.0	2.6
$20,000 to $100,000	5	.....	16.7	.....	11	.....	5.4	.....	198,592	.....	2.8	.....	44,417	.....	5.3	.....
$100,000 and over	7	6	23.3	54.5	188	131	92.6	92.9	6,941,674	3,422,768	96.7	97.9	765,702	464,470	91.7	97.4
FOUNDRY AND MACHINE-SHOP PRODUCTS [4]	50	34	100.0	100.0	3,279	1,752	100.0	100.0	13,675,521	3,209,975	100.0	100.0	9,083,151	2,232,401	100.0	100.0
Less than $5,000	5	8	10.0	23.5	3	22	0.1	1.3	14,061	26,863	0.1	0.8	7,379	20,863	0.1	0.9
$5,000 to $20,000	10	10	20.0	29.4	46	96	1.4	5.5	139,668	140,887	1.0	4.4	82,671	94,944	0.9	4.3
$20,000 to $100,000	19	8	38.0	23.5	309	214	9.4	12.2	811,551	366,056	5.9	11.4	486,437	238,530	5.4	10.7
$100,000 and over	16	8	32.0	23.5	2,921	1,420	89.1	81.0	12,710,241	2,676,169	92.9	83.4	8,506,664	1,878,064	93.7	84.1
FURNITURE, WOOD, OTHER THAN RATTAN AND WILLOW	16	15	100.0	100.0	1,022	1,035	100.0	100.0	3,242,332	1,642,789	100.0	100.0	1,915,397	889,054	100.0	100.0
Less than $5,000	4	3	25.0	20.0	2	9	0.2	0.9	13,236	9,842	0.4	0.6	7,804	6,627	0.4	0.7
$5,000 to $100,000	4	7	25.0	46.7	25	208	2.4	20.1	59,580	417,799	1.8	25.4	41,544	221,683	2.2	24.9
$100,000 to $500,000	5	5	31.2	33.3	569	818	55.7	79.0	1,489,666	1,215,148	45.9	74.0	937,908	660,744	49.0	74.3
$500,000 to $1,000,000	3	.....	18.8	.....	426	.....	41.7	.....	1,679,850	.....	51.8	.....	928,081	.....	48.4	.....
LUMBER AND TIMBER PRODUCTS	409	443	100.0	100.0	3,020	3,127	100.0	100.0	8,361,641	5,013,323	100.0	100.0	5,387,982	3,869,783	100.0	100.0
Less than $5,000	110	198	26.9	44.7	126	319	4.2	10.2	284,175	480,201	3.4	8.1	185,580	320,654	3.4	8.3
$5,000 to $20,000	202	187	49.4	42.2	832	1,168	27.5	37.4	2,214,536	1,875,580	26.5	31.7	1,406,433	1,202,371	26.1	31.1
$20,000 to $100,000	88	52	21.5	11.7	1,241	1,236	41.1	39.5	3,322,695	1,967,626	39.7	33.3	2,108,730	1,331,741	39.1	34.4
$100,000 and over	9	6	2.2	1.4	821	404	27.2	12.9	2,540,235	1,589,916	30.4	26.9	1,687,230	1,016,017	31.3	26.2
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS	35	50	100.0	100.0	349	528	100.0	100.0	2,846,673	1,955,654	100.0	100.0	991,191	532,249	100.0	100.0
Less than $5,000	13	13	37.1	26.0	8	17	2.3	3.2	29,645	32,421	1.0	1.7	17,913	18,148	1.8	3.4
$5,000 to $20,000	9	27	25.7	54.0	12	139	3.4	26.3	74,870	278,519	2.6	14.2	41,785	137,156	4.2	25.8
$20,000 to $100,000	7	6	20.0	12.0	82	136	23.5	25.8	284,760	268,142	10.0	13.7	142,351	126,946	14.4	23.9
$100,000 and over	6	4	17.1	8.0	247	236	70.8	44.7	2,457,398	1,376,572	86.3	70.4	780,142	249,999	79.6	47.0
MARBLE AND STONE WORK	287	276	100.0	100.0	5,400	9,018	100.0	100.0	17,426,011	12,605,417	100.0	100.0	11,266,170	8,921,913	100.0	100.0
Less than $5,000	51	58	17.8	21.0	27	90	0.5	1.0	136,348	157,696	0.8	1.2	88,298	106,429	0.8	1.2
$5,000 to $20,000	77	97	26.8	35.1	264	775	4.9	8.6	901,175	1,113,332	5.2	8.8	609,560	788,350	5.4	8.8
$20,000 to $100,000	112	105	39.0	38.0	1,933	2,961	35.8	32.8	5,612,230	4,387,950	32.2	34.8	3,857,517	2,965,325	34.3	33.2
$100,000 and over	47	16	16.4	5.8	3,176	5,192	58.8	57.6	10,776,258	6,946,439	61.8	55.1	6,704,795	5,061,809	59.5	56.7
PAPER AND WOOD PULP	20	23	100.0	100.0	1,832	1,264	100.0	100.0	10,862,858	4,776,387	100.0	100.0	4,298,558	1,772,022	100.0	100.0
$20,000 to $100,000	5	[5] 11	25.0	47.8	80	[5] 175	4.4	13.8	390,964	[5] 463,167	3.6	9.7	172,730	[5] 154,148	4.0	8.7
$100,000 to $500,000	6	9	30.0	39.1	204	[1] 1,089	11.1	86.2	1,379,548	1,952,865	12.7	40.9	414,189	[1] 1,617,874	9.6	91.3
$500,000 and over	9	3	45.0	13.0	1,548	.....	84.5	.....	9,092,346	2,360,355	83.7	49.4	3,711,639	.....	86.3	.....

[1] Includes the group "$500,000 and over."
[2] Includes the group "$500,000 to $1,000,000."
[3] Includes the group "$20,000 to $100,000."
[4] Includes "machine tools" and "textile machinery and parts."
[5] Includes the group "$5,000 to $20,000."

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

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.
BARRE	132	1,898	100.0	$8,499,931	100.0	$5,297,712	100.0
Less than $5,000	23	8	0.4	58,004	0.7	36,383	0.7
$5,000 to $20,000	24	73	3.8	249,589	2.9	167,660	3.2
$20,000 to $100,000	59	747	39.4	2,989,006	35.2	1,909,997	36.1
$100,000 to $500,000	23	768	40.5	3,406,191	40.1	2,146,749	40.5
$500,000 to $1,000,000	3	302	15.9	1,797,141	21.1	1,036,923	19.6
BURLINGTON	91	2,913	100.0	19,489,386	100.0	7,374,367	100.0
Less than $5,000	15	14	0.5	31,731	0.2	21,407	0.3
$5,000 to $20,000	17	52	1.8	186,511	1.0	97,137	1.3
$20,000 to $100,000	32	350	12.0	1,425,583	7.3	650,309	8.8
$100,000 to $500,000	19	694	23.8	4,210,324	21.6	1,676,031	22.7
$500,000 to $1,000,000	3	587	20.2	2,125,366	10.9	861,381	11.7
$1,000,000 and over	5	1,216	41.7	11,509,871	59.1	4,068,102	55.2
RUTLAND	64	1,955	100.0	6,668,955	100.0	3,993,448	100.0
Less than $5,000	9	6	0.3	27,040	0.4	16,695	0.4
$5,000 to $20,000	19	96	4.9	251,152	3.8	141,367	3.5
$20,000 to $100,000	19	265	13.6	820,942	12.3	405,004	10.1
$100,000 and over	17	1,588	81.2	5,569,821	83.5	3,430,382	85.9

TABLE 14.—CHARACTER OF OWNERSHIP FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

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— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.	Total.	Of establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.
All industries	1919	900	409	421	33,491	3,841	26,243	3,407	11.5	78.4	10.2	$168,108,072	$19,712,681	$130,015,057	$18,380,334	11.7	77.3	10.9
	1914	931	300	451	32,704	5,043	23,335	4,326	15.4	71.4	13.2	76,990,974	12,202,958	52,854,963	11,933,053	15.8	68.7	15.5
	1909	1,029	372	557	33,788	5,066	22,857	5,865	15.0	67.6	17.4	68,309,824	12,175,721	42,641,046	13,493,057	17.8	62.4	19.8
Bread and other bakery products	1919	55	5	11	289	185	60	44	64.0	20.8	15.2	2,532,919	1,368,723	740,285	423,911	54.0	29.2	16.7
	1914	70	5	10	357	215	90	52	60.2	25.2	14.6	1,402,663	724,556	450,314	227,793	51.7	32.1	16.2
Butter	1919	21	32	39	203	88	143	112	13.0	48.8	38.2	10,194,160	1,358,386	4,811,562	4,024,212	13.3	47.2	39.5
	1914	29	39	75	330	59	114	157	17.9	34.5	47.6	6,917,182	1,246,981	2,450,975	3,219,226	18.0	35.4	46.5
Cars and general shop construction and repairs by steam-railroad companies	1919	.....	6	.....	1,566	.....	1,566	.....	.....	100.0	.....	4,607,671	.....	4,607,671	.....	.....	100.0	.....
	1914	.....	5	.....	1,345	.....	1,345	.....	.....	100.0	.....	1,354,671	.....	1,354,671	.....	.....	100.0	.....
Cotton goods	1919	.....	4	.....	1,092	.....	1,092	.....	.....	100.0	.....	4,383,835	.....	4,383,835	.....	.....	100.0	.....
	1914	.....	4	.....	992	.....	992	.....	.....	100.0	.....	1,558,974	.....	1,558,974	.....	.....	100.0	.....
Flour-mill and gristmill products	1919	67	11	30	169	86	34	49	50.9	20.1	29.0	6,143,940	3,175,050	730,236	2,238,654	51.7	11.9	36.4
	1914	86	7	32	179	105	20	54	58.7	11.2	30.2	4,142,854	2,034,174	680,663	1,428,017	49.1	16.4	34.5
Food preparations, not elsewhere specified	1919	18	9	3	203	7	193	3	3.4	95.1	1.5	7,176,614	69,740	7,041,830	65,044	1.0	98.1	0.9
	1914	3	8	.....	141	4	137	.....	2.8	97.2	.....	3,497,741	33,020	3,464,721	.....	0.9	99.1	.....
Foundry and machine-shop products.[1]	1919	16	27	7	3,279	126	3,051	102	3.8	93.0	3.1	13,675,521	372,250	13,037,143	266,128	2.7	95.3	1.9
	1914	10	20	4	1,752	188	1,539	25	10.7	87.8	1.4	3,209,975	229,788	2,921,011	59,176	7.2	91.0	1.8
Furniture, wood, other than rattan and willow	1919	7	9	.....	1,022	19	1,003	.....	1.9	98.1	.....	3,242,332	53,416	3,188,916	.....	1.6	98.4	.....
	1914	4	10	1	1,035	.....	1,016	[2] 19	.....	98.2	1.8	1,642,789	.....	1,612,657	[2] 30,132	.....	98.2	1.8
Knit goods	1919	.....	6	1	1,105	.....	[3] 1,105	.....	.....	100.0	.....	5,063,201	.....	[3] 5,063,201	.....	.....	100.0	.....
	1914	1	4	2	963	.....	699	[2] 264	.....	72.6	27.4	2,164,897	.....	1,562,030	[2] 602,867	.....	72.2	27.8
Lumber and timber products	1919	263	56	90	3,020	1,140	1,328	552	37.7	44.0	18.3	8,361,641	3,152,509	3,652,123	1,557,009	37.7	43.7	18.6
	1914	310	43	90	3,127	1,447	939	741	46.2	30.0	23.7	5,913,323	2,273,045	2,276,851	1,363,427	38.4	38.5	23.1
Lumber, planing-mill products, not including planing mills connected with sawmills	1919	15	7	13	349	167	94	88	47.8	26.9	25.2	2,846,673	1,490,249	1,021,165	335,259	52.4	35.9	11.8
	1914	31	5	14	528	219	177	132	41.5	33.5	25.0	1,955,654	686,188	1,006,354	263,112	35.1	51.5	13.5
Marble and stone work	1919	121	68	98	5,400	965	3,332	1,103	17.9	61.7	20.4	17,426,011	3,915,854	9,658,943	3,851,214	22.5	55.4	22.1
	1914	118	52	106	9,018	1,163	5,694	2,161	12.9	63.1	24.0	12,605,417	1,706,012	7,849,191	3,049,314	13.5	62.3	24.2
Paper and wood pulp	1919	1	14	5	1,832	.....	1,649	[2] 183	.....	90.0	10.0	10,862,858	.....	9,645,904	[2] 1,216,954	.....	88.8	11.2
	1914	.....	16	7	1,264	.....	1,156	108	.....	91.5	8.5	4,776,387	.....	4,372,432	403,955	.....	91.5	8.5
Woolen and worsted goods	1919	3	13	2	3,031	[3] 233	2,798	.....	7.7	92.3	.....	17,425,823	[3] 1,073,150	16,352,673	.....	6.2	93.8	.....
	1914	4	13	.....	2,226	243	1,983	.....	10.9	89.1	.....	4,634,593	390,179	4,244,414	.....	8.4	91.6	.....
Total for cities	1919	117	97	73	6,766	897	5,042	827	13.3	74.5	12.2	34,658,272	5,306,348	26,088,095	3,263,829	15.3	75.3	9.4
	1914	99	81	82	6,269	739	4,200	1,330	11.8	67.0	21.2	14,205,265	1,765,144	9,841,444	2,598,677	12.4	69.3	18.3
BARRE	1919	53	34	45	1,898	497	929	472	26.2	48.9	24.9	8,499,931	2,525,941	4,125,491	1,848,499	29.7	48.5	21.7
	1914	44	18	48	2,360	469	879	1,018	19.8	37.2	43.0	4,291,600	792,323	1,779,392	1,719,885	18.5	41.5	40.1
BURLINGTON	1919	42	36	13	2,913	328	2,402	183	11.3	82.5	6.3	19,489,386	2,233,689	16,500,024	755,673	11.5	84.7	3.9
	1914	28	41	18	2,132	195	1,736	201	9.1	81.4	9.4	6,636,956	751,175	5,516,533	369,248	11.3	83.1	5.6
RUTLAND	1919	22	27	15	1,955	72	1,711	172	3.7	87.5	8.8	6,668,955	546,718	5,462,580	659,657	8.2	81.9	9.9
	1914	27	22	16	1,771	75	1,585	111	4.2	89.5	6.3	3,276,709	221,646	2,545,519	509,544	6.8	77.7	15.6

[1] Includes "machine tools" and "textile machinery and parts."
[2] Includes the group "Individuals."
[3] Includes the group "All others."

TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Census year.	Aggregate.	Cities having a population of 10,000 to 25,000.		The state outside of cities having a population of 10,000 or over.	
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places	1919		3			
	1914		3			
	1909		3			
Population[1]	1920	352,428	47,741	13.5	304,687	86.5
	1915	361,205	47,370	13.1	313,835	86.9
	1910	355,956	44,748	12.6	311,208	87.4
Number of establishments	1919	1,790	287	16.0	1,503	84.0
	1914	1,772	262	14.8	1,510	85.2
	1909	1,958	284	14.5	1,674	85.5
Average number of wage earners	1919	33,491	6,766	20.2	26,725	79.8
	1914	32,704	6,269	19.2	26,435	80.8
	1909	33,788	6,347	18.8	27,441	81.2
Value of products	1919	$168,108,072	$34,658,272	20.6	$133,449,800	79.4
	1914	76,990,974	14,205,265	18.5	62,785,709	81.5
	1909	68,309,824	13,332,195	19.5	54,977,629	80.5
Value added by manufacture	1919	72,935,491	16,665,527	22.8	56,269,964	77.2
	1914	34,285,254	7,150,353	20.9	27,134,901	79.1
	1909	33,487,096	6,886,526	20.6	26,600,570	79.4

[1] Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.

TABLE 16.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

Power.	Number of engines or motors.			Horsepower.					
				Amount.			Per cent distribution.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909
Primary power, total	5,934	3,960	3,256	185,095	172,637	159,445	100.0	100.0	100.0
Owned	1,456	1,870	2,416	123,237	144,261	145,889	66.6	83.6	91.5
Steam[1]	630	864	1,167	51,381	61,560	64,667	27.8	35.7	40.6
Engines	608	(2)	(2)	46,833	(2)	(2)	25.3		
Turbines	22	(2)	(2)	4,548	(2)	(2)	2.5		
Internal-combustion engines	174	160	161	2,959	2,301	2,160	1.6	1.3	1.4
Water	652	846	1,088	68,897	80,400	79,062	37.2	46.6	49.6
Water wheels and turbines	638	823	1,053	68,681	79,964	78,881	37.1	46.3	49.5
Water motors	14	23	35	216	436	181	0.1	0.3	0.1
Rented	4,478	2,090	840	61,858	28,376	13,556	33.4	16.4	8.5
Electric	4,478	2,090	840	61,090	27,477	12,917	33.0	15.9	8.1
Other				768	899	639	0.4	0.5	0.4
Electric	5,237	3,030	1,512	73,388	47,161	21,233	100.0	100.0	100.0
Rented	4,478	2,090	840	61,090	27,477	12,917	83.2	58.3	60.8
Generated by establishments reporting	759	940	672	12,298	19,684	8,316	16.8	41.7	39.2

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

TABLE 17.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND CITIES: 1919.

Industry and city.	Coal.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries 1919	46,627	236,517	13,549	24,006	4,991	106,306
1914	50,146	203,409	6,824	22,454	(1)	7,528
Per cent of increase[2]	−7.0	16.3	98.5	29.1	(1)	1,312.1
Bread and other bakery products	2,855	352	332	12	21	2,018
Butter	465	3,689	10	2	177	1,200
Cars and general shop construction and repairs by steam-railroad companies	1,121	18,454	495	389	12	
Condensed milk		14,933				
Cotton goods	2,661	6,090				
Foundry and machine-shop products	473	2,940	4,957	15	76	169
Furniture, wood, other than rattan and willow	6	4,209			4	
Gas, illuminating and heating	4,555	7,930	365	16,971		
Knit goods	2	6,245			20	
Lime		14,669				
Machine tools	556	2,774		1,542	1,065	1,492
Marble and stone work	2,452	13,366	40	119	44	36
Minerals and earths, ground or otherwise treated	405	6,468	218		50	
Paper and wood pulp	22,890	65,948	4,143		40	
Scales and balances	53	7,208	2,345	1,547	131	733
Wool shoddy	2,303	2,788	285			
Woolen and worsted goods	102	35,775				
All other industries	5,728	22,679	359	3,409	3,351	100,658
Total for cities	7,415	32,088	2,621	9,794	186	103,251
Barre	1,364	6,640	59	114	24	1,601
Burlington	5,678	13,168	42	9,134	140	99,820
Rutland	373	12,285	2,520	546	22	1,830

[1] Included in total for fuel oils. [2] A minus sign (−) denotes decrease.

SPECIAL STATISTICS.

Butter, cheese, and condensed milk (Table 18).—This table shows the quantity and value of the several products of the industry for 1919, 1914, and 1909.

Butter continues to be the product of chief value, although at a greatly reduced proportion. In 1914 it formed 74.1 per cent of the total value of all products, as compared with but 41.6 per cent in 1919. During this period the quantity of butter decreased 38.9 per cent, while the value, because of the prevailing high prices in 1919, increased 19.6 per cent.

Since 1914 condensed and evaporated milk shows an exceptional increase—130 per cent in quantity and 358.2 per cent in value.

TABLE 18.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919	1914	1909
Total value	$18,538,652	$8,695,915	$8,112,239
Butter:			
Packed solid—			
Pounds	7,752,857	9,999,182	12,589,015
Value	$4,629,236	$2,991,678	$3,673,807
Prints or rolls—			
Pounds	5,130,336	11,077,765	7,688,480
Value	$3,074,329	$3,451,205	$2,348,259
Cream sold:			
Pounds	10,651,820	10,130,732	4,502,709
Value	$2,338,995	$517,729	$600,393
Cheese:			
Full-cream—			
Pounds	3,584,615	2,114,221	2,576,073
Value	$1,166,763	$337,372	$378,057
Other kinds—			
Pounds	1,323,144	408,716	186,583
Value	$203,170	$41,581	$17,721
Condensed and evaporated milk:			
Pounds	38,837,078	16,887,549	13,342,666
Value	$5,501,806	$1,200,713	$975,663
All other butter, cheese, and condensed-milk factory products, value	$1,624,353	$155,637	$118,339

Woolen and worsted goods (Table 19).—This table shows in considerable detail the character of products and the materials used in their manufacture.

Except for the addition of one establishment in 1919, making a total of 18 in that year, compared with 17 in 1914, the same group of woolen and worsted mills which reported for 1909 and 1914 reappear in the census of 1919. It will be seen that the fibrous materials used in 1919 are more than double in weight as compared with the two earlier census periods, while the quantity in square yards of product shows a slight decrease. This would indicate that much heavier goods were being made in 1919 than during the two previous censuses. The increased use of raw materials with little change in the amount of purchased yarn is in keeping with the growth of the number of cards reported for the industry in the state.

TABLE 19.—WOOLEN AND WORSTED GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS USED.			
Total cost	$10,536,017	$2,988,612	$2,879,001
Wool (in condition purchased):			
Pounds	3,316,415	1,567,230	1,620,953
Cost	$3,367,519	$676,918	$677,308
Equivalent in scoured condition, pounds	2,952,247	1,513,524	1,165,432
Rags, tailors' clippings, etc.:			
Pounds	6,337,746	1,975,280	1,823,286
Cost	$1,290,343	$166,454	$140,386
Recovered wool fiber:			
Pounds	1,303,515	777,810	824,259
Cost	$473,249	$90,480	$120,774

TABLE 19.—WOOLEN AND WORSTED GOODS: 1919, 1914, AND 1909—Continued.

	1919	1914	1909
MATERIALS USED—continued.			
Cotton:			
Pounds	814,840	505,854	184,954
Cost	$242,593	$69,781	$30,230
Yarns, purchased:			
Pounds	1,258,386	979,106	1,895,180
Cost	$1,850,786	$532,519	$1,083,028
Chemicals and dyestuffs, cost	$578,486	$161,674	$161,175
Fuel and rent of power, cost	$289,548	$137,986	$145,331
All other materials, cost	$2,443,493	$1,152,800	$520,769
PRODUCTS.			
Total value	$17,425,823	$4,634,593	$4,496,903
All-wool woven goods:			
Square yards	4,344,118	4,711,090	4,744,694
Value	$11,716,620	$2,772,917	$2,899,133
Cotton-mixed woven goods:			
Square yards	2,419,027	2,281,201	2,273,010
Value	$2,808,210	$756,990	$535,664
Cotton-warp woven goods:			
Square yards	2,667,049	3,416,756	2,676,701
Value	$2,287,934	$683,737	$996,382
All other products, value	$613,059	$420,949	$65,724

Paper and wood pulp (Table 20).—This table shows the quantity and cost of the principal materials used and the quantities and values of the various products of the paper and pulp mills of Vermont. The number and daily capacity of paper machines and the yearly capacity of pulp and paper mills are also given.

TABLE 20.—PAPER AND WOOD PULP: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$6,564,300	$3,004,365	$2,455,355
Pulp wood:			
Cords	111,679	65,813	(1)
Cost	$1,682,864	$677,217	$708,618
Wood pulp, purchased, total:			
Tons	25,782	27,000	24,304
Cost	$1,725,015	$900,861	$790,412
Ground, including mechanical screenings—			
Tons	10,556	8,910	11,556
Cost	$440,786	$179,754	$253,778
Sulphite fiber—			
Tons	11,035	13,018	11,578
Cost	$905,508	$511,158	$484,327
Other chemical fiber—			
Tons	4,191	5,072	1,171
Cost	$378,721	$209,949	$52,306
Old or waste paper:			
Tons	6,635	7,874	2,370
Cost	$141,201	$121,834	$52,994
All other materials, cost	$3,015,220	$1,304,453	$903,331
PRODUCTS.			
Total value	$10,862,858	$4,776,387	$3,901,634
Newspaper, in rolls and sheets:			
Tons	28,052	31,223	16,455
Value	$2,017,361	$1,353,012	$688,363
Wrapping paper:			
Tons	15,923	11,948	16,323
Value	$1,700,366	$689,131	$860,818
Boards:			
Tons	14,274	7,244	3,685
Value	$1,299,031	$246,135	$159,452
Tissue paper:			
Tons	1,836	2,202	3,500
Value	$453,370	$179,284	$331,013
Ground wood pulp produced for sale or for use in establishments other than where manufactured:			
Tons	19,589	19,929	30,543
Value	$639,637	$373,891	$542,348
All other products, value	$4,753,093	$1,934,934	$1,319,640
MACHINERY.			
Paper machines:			
Fourdrinier—			
Number	17	16	12
Capacity in tons of paper, 24 hours	218	208	150
Cylinder—			
Number	17	21	20
Capacity in tons of paper, 24 hours	114	102	88
Yearly capacity of mills in pulp, tons	112,655	97,194	77,661
Yearly capacity of mills in paper, tons	98,518	85,605	71,719

[1] Not reported.

The total value of products for the industry in 1919 increased more than 100 per cent as compared with 1914, due principally to the high prices of paper prevailing during 1919.

Newspaper, as in 1914, continues to be the product of chief value in the industry, although the quantity produced in 1919 decreased by 10.2 per cent as compared with 1914, and its proportion of the total value of products from 28.3 per cent in 1914 to 18.6 per cent in 1919.

The total quantity of wood pulp manufactured in the state in 1919, including that used in the mills where produced, aggregated 85,945 tons, of which 69,946 tons, or 81.4 per cent, was ground wood pulp.

The item "All other products" includes poster, novel, and tablet paper, hanging paper, fine paper, sulphite fiber, and products other than paper and pulp manufactured by the paper and pulp mills of the state as subsidiary products.

Flour-mill and gristmill products (Table 21).—Feed and offal was the product of chief value in 1919, as in 1914, forming 72.1 per cent and 62.9 per cent, respectively, of the total value of products of the industry. The value of corn meal and corn flour was second in importance, and although slightly greater in 1919 than in 1914, its percentage of the total value of products was less, being 25.1 per cent, as against 35.1 per cent in 1914. Illustrative of the high prices prevailing in 1919, the value of feed and offal increased 70.1 per cent from 1914 to 1919, while the quantity decreased 15.4 per cent.

TABLE 21.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value	$6,143,940	$4,142,854	$4,133,337
Wheat flour:			
Barrels	11,530	3,133	169
Value	$134,337	$17,467	$1,014
Rye flour:			
Barrels	36	144	404
Value	$360	$580	$1,406
Corn meal and corn flour:			
Barrels	211,215	458,617	853,051
Value	$1,540,559	$1,453,199	$2,511,964
Buckwheat flour:			
Pounds	72,175	456,333	363,550
Value	$4,745	$13,844	$9,376
Barley meal:			
Pounds	.....	365,600	3,499,983
Value	.....	$6,041	$54,185
Bran and middlings:			
Tons	544	710	12
Value	$26,042	$20,230	$433
Feed and offal:			
Tons	69,464	82,074	48,850
Value	$4,429,697	$2,604,409	$1,528,928
Hominy grits:			
Pounds	.....	150,000	.....
Value	.....	$2,100	.....
Oatmeal, value	$5,700	$19,254	.....
Breakfast foods, rolled oats, etc.:			
Pounds	2,000	.....	.....
Value	$100	.....	.....
All other products, value	$2,400	$5,730	$26,031

Laundries (Table 22).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 22, however, summarizes the statistics for such laundries in the state of Vermont for 1919 and 1914.

TABLE 22.—POWER LAUNDRIES: 1919 AND 1914.

	Number or amount.		Per cent of increase,[1] 1914-1919.
	1919	1914	
Number of establishments	28	41	.....
Persons engaged	364	441	−17.5
Proprietors and firm members	32	49	.....
Salaried employees	8	14	.....
Wage earners (average number)	324	378	−14.3
Primary horsepower	478	518	−7.7
Capital	$253,957	$233,682	8.7
Salaries and wages	195,630	153,642	27.3
Salaries	16,531	7,628	116.7
Wages	179,099	146,014	22.7
Paid for contract work	810	3,500	−77.2
Rent and taxes	13,543	10,309	31.4
Cost of materials	97,392	63,214	54.1
Amount received for work done	399,668	362,041	10.4

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

Dyeing and cleaning (Table 23).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900.

TABLE 23.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments	6
Persons engaged	25
Proprietors and firm members	8
Salaried employees	1
Wage earners (average number)	16
Primary horsepower	30
Capital	$26,120
Salaries and wages	12,854
Salaries	300
Wages	12,554
Paid for contract work	380
Rent and taxes	2,727
Cost of materials	9,068
Amount received for work done	42,883

Custom sawmills and custom gristmills (Table 24).—This table shows for 1919 and 1909 a summary for custom sawmills and custom gristmills. Statistics for these custom mills are not included in the general tables nor in the totals for manufacturing industries, but are presented by totals in this table.

TABLE 24.—CUSTOM SAWMILLS AND CUSTOM GRISTMILLS: 1919 AND 1909.

	Custom sawmills.			Custom gristmills.		
	1919	1909	Per cent of increase,[1] 1909-1919.	1919	1909	Per cent of increase,[1] 1909-1919.
Number of establishments	85	61	.....	25	35	.....
Persons engaged	157	184	−14.7	40	51	.....
Proprietors and firm members	95	74	.....	28	35	.....
Salaried employees	.....	1	.....	.....	.....	.....
Wage earners (average number)	62	109	−43.1	12	16	.....
Primary horsepower	3,621	3,340	8.4	783	1,006	−58.9
Capital	$221,393	$147,198	50.4	$117,108	$61,076	91.7
Salaries and wages	45,121	41,991	7.5	9,717	3,227	201.1
Salaries	.....	364	.....	.....	.....	.....
Wages	45,121	41,627	8.4	9,717	3,227	201.1
Rent and taxes	2,523	(2)	.....	2,452	(2)	.....
Cost of materials[3]	12,219	1,865	555.2	249,189	165,181	50.9
Value of products[3]	105,026	86,398	21.6	329,573	197,514	66.9

[1] A minus sign (−) denotes decrease. Percentages are omitted where base is less than 100.
[2] Figures not available.
[3] Includes estimates of all grain ground. Value of products for custom sawmills represents the amount charged for work performed.

GENERAL TABLES.

Table 25 gives the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for all industries combined and for selected industries in the state, and for Barre, Burlington, and Rutland similar data for all industries combined, 1919, 1914, and 1909. Certain kindred industries are combined in some instances for comparison with 1909. Table 26 presents, for 1919, statistics in detail for the state as a whole and for each industry that can be shown without the disclosure of individual operations, and the statistics for all industries combined for cities of 10,000 inhabitants or more.

TABLE 25.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
All industries	1919	1,790	33,491	185,095	$34,084	$95,173	$168,103
	1914	1,772	32,704	172,637	18,617	42,706	76,991
	1909	1,958	33,788	159,445	17,272	34,823	68,310
Agricultural implements	1919	10	241	1,141	200	291	601
	1914	9	311	1,245	182	310	696
	1909	11	360	1,194	185	272	582
Bread and other bakery products.	1919	71	289	333	273	1,745	2,533
	1914	85	357	264	204	813	1,403
	1909	75	242	136	121	624	994
Butter, cheese, and condensed milk.	1919	137	608	2,814	600	16,656	18,539
	1914	173	471	2,701	314	7,976	8,696
	1909	186	519	2,044	292	7,056	8,112
Canning and preserving, fruits and vegetables.	1919	9	173	665	64	360	522
	1914	6	95	296	33	228	402
	1909	8	118	240	46	214	330
Cars and general shop construction and repairs by steam-railroad companies.	1919	6	1,566	2,015	2,226	2,267	4,608
	1914	5	1,345	1,488	727	577	1,355
	1909	7	992	965	646	529	1,135
Clothing, men's, including shirts.	1919	17	742	388	373	1,301	2,318
	1914	10	988	297	420	736	1,442
	1909	11	1,281	323	404	591	1,274
Clothing, women's	1919	7	348	147	197	309	797
	1914	7	387	203	125	353	691
	1909	6	333	150	110	285	503
Confectionery and ice cream	1919	25	350	241	191	1,080	1,757
	1914	10	165	191	66	307	498
Cooperage and wooden goods, not elsewhere specified.	1919	14	191	1,365	143	244	508
	1914	15	260	1,457	112	107	322
	1909	25	635	2,203	203	240	698
Copper, tin, and sheet-iron products.[1]	1919	15	111	60	112	305	570
	1914	17	113	122	72	281	473
	1909	19	149	240	78	205	425
Cotton goods	1919	4	1,092	6,561	907	2,127	4,384
	1914	4	992	4,033	450	952	1,559
	1909	8	683	4,026	246	616	1,073
Flour-mill and gristmill products.	1919	108	109	8,051	158	5,332	6,144
	1914	125	179	7,355	105	3,659	4,143
	1909	133	156	8,714	76	3,528	4,133
Food preparations, not elsewhere specified.	1919	30	203	1,484	185	6,342	7,177
	1914	11	141	1,123	81	3,021	3,498
	1909	5	33	219	15	365	492
Foundry and machine-shop products.[2]	1919	144	3,620	11,464	4,339	5,350	15,644
	1914	40	1,873	5,080	1,088	1,062	3,428
	1909	56	1,860	4,519	1,085	1,335	3,755
Furniture	1919	16	1,022	3,492	850	1,327	3,242
	1914	15	1,035	3,241	514	754	1,643
	1909	19	1,119	2,767	498	703	1,618
Gas, illuminating and heating	1919	9	87	136	90	222	486
	1914	9	59	243	32	122	337
	1909	9	70	153	43	100	278
Knit goods	1919	7	1,105	978	$916	$3,095	$5,063
	1914	7	963	870	484	1,404	2,165
	1909	8	946	962	411	1,089	1,746
Lime	1919	8	160	1,141	158	260	459
	1914	8	132	149	64	98	189
	1909	11	185	248	72	119	250
Lumber and timber products [3]	1919	457	3,948	34,118	3,355	5,915	13,142
	1914	516	4,108	38,956	2,100	3,981	8,768
	1909	593	4,790	41,937	2,013	4,131	8,598
Marble and stone work	1919	287	5,400	30,590	6,277	6,166	17,426
	1914	276	9,018	34,012	6,004	3,684	12,605
	1909	342	10,411	29,107	6,404	2,518	12,395
Minerals and earths, ground or otherwise treated.	1919	10	403	4,799	483	341	1,528
	1914	7	230	1,427	143	95	423
Paper and wood pulp	1919	20	1,832	42,084	2,144	6,564	10,863
	1914	23	1,264	42,066	811	3,004	4,776
	1909	25	1,030	38,191	591	2,455	3,902
Patent medicines and compounds.	1919	14	138	18	83	919	1,949
	1914	12	119	283	57	327	1,019
	1909	15	161	333	68	586	1,290
Printing and publishing	1919	106	615	697	478	488	1,715
	1914	111	651	784	409	297	1,243
	1909	115	666	625	326	250	1,039
Tools, not elsewhere specified	1919	7	355	1,828	327	596	1,558
	1914	5	215	715	108	152	355
	1909	6	221	817	112	161	363
Toys and games	1919	6	423	1,700	416	598	1,351
	1914	4	160	330	66	52	160
	1909	4	103	432	50	49	126
Window shades and fixtures	1919	3	105	206	49	169	307
	1914	3	129	321	54	151	263
Wood, turned and carved	1919	25	366	2,195	303	320	907
	1914	33	361	2,595	161	166	414
	1909	31	390	1,988	153	178	463
Woolen and worsted goods	1919	18	3,031	9,712	3,382	10,536	17,426
	1914	17	2,226	8,841	1,167	2,989	4,635
	1909	17	2,204	7,213	1,043	2,879	4,497
All other industries	1919	200	4,798	14,672	4,805	13,948	24,534
	1914	209	4,357	11,049	2,464	5,048	9,385
	1909	218	4,041	8,799	2,018	3,745	8,244
CITY.							
BARRE	1919	132	1,898	8,019	2,654	3,202	8,500
	1914	110	2,366	5,975	1,904	1,336	4,292
	1909	139	2,340	4,645	1,814	1,108	3,852
BURLINGTON	1919	91	2,913	9,409	2,391	12,115	19,489
	1914	87	2,132	6,704	1,030	4,109	6,637
	1909	82	2,371	8,359	991	4,130	6,800
RUTLAND	1919	64	1,955	4,096	2,026	2,676	6,669
	1914	65	1,771	3,159	1,055	1,610	3,277
	1909	63	1,636	1,862	763	1,207	2,680

[1] Includes "tinware" in 1914 and 1909.
[2] Includes "automobile repairing"; "engines, steam, gas, and water"; "hardware"; "machine tools"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; and "textile machinery and parts" in 1919 and the same industries in 1914 and 1909, with the exception of "pumps, steam and other power." "Hardware, saddlery" was also included in 1914 and 1909.
[3] Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "pulp wood."

TABLE 26.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	1,790	38,845	1,804	1,461	1,172	917	33,491	De 36,590	Fe 31,135	(2)	(2)	(2)	(2)	(2)	Dollars. 134,314,391
2	Agricultural implements	10	267	2	15	3	6	241	Mh 255	Jy 226	236	231	5	.....	.....	858,148
3	Automobile repairing	88	430	98	11	5	19	297	Jy 345	Ja 233	306	303	2	1	.....	828,852
4	Baskets, and rattan and willow ware	4	55	8	5	.....	1	41	De 46	Ap 4 37	40	36	2	2	.....	50,275
5	Boxes, wooden packing, except cigar boxes	13	620	12	20	1	8	579	Fe 632	Au 529	609	538	71	.....	.....	2,025,582
6	Bread and other bakery products	71	403	79	7	11	17	289	Jy 298	Ja 4 280	295	229	62	4	.....	782,430
7	Butter	92	449	49	61	18	28	293	Jy 343	Fe 252	282	271	11	.....	.....	1,698,158
8	Canning and preserving, vegetables	9	206	12	15	3	3	173	Se 684	Ja 4 4	640	450	110	57	23	334,290
9	Carpets, rag	3	5	3	.....	.....	.....	2	(6) 2	(6) 2	2	2	.....	.....	.....	5,985
10	Carriages and wagons, including repairs	23	67	31	1	.....	.....	35	.....	.....	39	39	.....	.....	.....	141,630
11	Carriages and wagons	15	49	20	1	.....	.....	28	Se 30	Mh 4 26	31	31	.....	.....	.....	90,340
12	Repair work only	8	18	11	.....	.....	.....	7	De 9	Ja 4 5	8	8	.....	.....	.....	51,290
13	Cars and general shop construction and repairs by electric-railroad companies.	7	31	.....	2	.....	.....	29	Je 4 30	Ja 4 28	31	30	1	.....	.....	79,842
14	Cars and general shop construction and repairs by steam-railroad companies.	6	1,639	.....	29	27	17	1,566	Oc 1,608	Jy 1,531	1,598	1,585	13	.....	.....	1,336,285
15	Cheese	38	99	32	10	2	7	48	Je 70	Ja 31	62	58	4	.....	.....	240,033
16	Clothing, men's	8	488	7	29	36	12	404	.....	.....	454	44	409	.....	1	1,378,937
17	Men's and youths'	5	349	2	24	20	9	294	De 333	Ja 267	328	32	295	.....	1	1,073,187
18	All other	3	139	5	5	16	3	110	De 126	Jy 100	126	12	114	.....	.....	305,750
19	Clothing, women's	7	381	1	13	8	11	348	Jy 402	Mh 275	423	29	394	.....	.....	572,559
20	Condensed milk	7	317	4	12	17	17	267	My 4 344	De 190	200	190	10	.....	.....	2,532,466
21	Confectionery and ice cream	25	424	27	16	11	20	350	.....	.....	326	151	175	.....	.....	1,141,483
22	Confectionery	11	363	13	13	7	17	313	Ja 348	No 279	286	116	170	.....	.....	952,360
23	Ice cream	14	61	14	3	4	3	37	Au 55	Ja 4 25	40	35	5	.....	.....	189,123
24	Cooperage	5	22	4	2	.....	.....	16	No 24	Ap 4 12	18	18	.....	.....	.....	28,308
25	Copper, tin, and sheet-iron work	15	148	15	10	6	6	111	De 138	Je 90	142	140	2	.....	.....	389,037
26	Cotton goods	4	1,138	.....	26	9	11	1,092	No 1,119	Je 1,052	1,142	635	494	11	2	4,477,985
27	Flour-mill and gristmill products	108	341	132	18	11	11	169	De 182	Jy 159	187	183	4	.....	.....	3,035,058
28	Food preparations, not elsewhere specified	30	273	25	21	12	12	203	.....	.....	204	190	14	.....	.....	1,830,440
29	Sirups and cereals	19	52	16	6	1	3	26	No 36	Je 18	46	42	4	.....	.....	253,192
	Other food products—															
30	For human consumption	7	49	8	4	4	1	32	My 4 51	De 15	29	22	7	.....	.....	222,354
31	For animals and fowls	4	172	1	11	7	8	145	Je 179	Oc 118	129	126	3	.....	.....	1,354,894
32	Foundry and machine-shop products	30	1,171	16	79	40	24	1,012	.....	.....	1,203	1,199	4	.....	.....	3,677,499
33	Boiler shops and foundries	5	412	.....	26	8	4	374	De 447	Fe 307	449	449	.....	.....	.....	1,083,060
34	Machine shops	16	474	10	30	18	12	404	De 492	My 353	496	492	4	.....	.....	1,616,633
35	Machine shops and foundries combined	9	285	6	23	14	8	234	De 258	My 215	258	258	.....	.....	.....	977,806
36	Furniture, wood, other than rattan and willow.	16	1,110	7	35	28	18	1,022	No 1,176	Ja 878	1,176	1,050	114	8	4	3,126,002
37	Gas, illuminating and heating	9	137	.....	26	12	12	87	Je 4 95	Fe 4 81	84	84	.....	.....	.....	2,015,227
38	Knit goods	7	1,165	2	25	16	17	1,105	Au 1,198	Se 949	1,108	355	751	.....	2	3,648,779
39	Lime	8	183	6	12	2	3	160	Se 179	Mh 138	166	166	.....	.....	.....	663,341
40	Lumber and timber products	409	3,619	473	86	25	15	3,020	De 3,468	Jy 2,295	4,459	4,359	72	28	.....	6,997,765
41	Lumber, planing-mill products, not including planing mills connected with sawmills.	35	445	47	17	21	11	349	Jy 386	Ja 288	373	373	.....	.....	.....	2,005,034
42	Machine tools	6	2,313	.....	39	165	85	2,024	De 2,205	Ap 1,897	2,213	2,112	100	1	.....	11,041,881
43	Marble and stone work	287	6,245	351	230	145	119	5,400	.....	.....	5,790	5,774	8	8	.....	13,961,955
44	Monuments and tombstones	224	3,500	291	153	97	79	2,880	No 3,085	Fe 2,703	2,998	2,990	8	.....	.....	7,827,114
45	Other marble and stone work except slate.	20	1,716	12	23	36	26	1,619	De 1,830	Ja 1,295	1,832	1,824	.....	8	.....	4,270,995
46	Roofing slate	28	788	32	40	12	8	696	Jy 815	Se 490	763	763	.....	.....	.....	1,451,038
47	Other slate products	15	241	16	14	.....	6	205	Je 219	Jy 194	197	197	.....	.....	.....	412,808
48	Mineral and carbonated waters	15	56	15	2	6	2	31	Je 55	Ja 4 10	35	34	1	.....	.....	191,849
49	Minerals and earths, ground or otherwise treated.	10	456	3	34	11	5	403	De 524	Fe 321	516	513	3	.....	.....	2,237,334
50	Paper and wood pulp	20	2,008	14	67	53	42	1,832	.....	.....	1,975	1,853	116	3	3	15,314,137
51	Paper mills	11	463	7	32	12	15	397	Au 466	Mh 304	448	355	88	2	3	3,051,000
52	Pulp mills	3	182	2	6	5	2	167	Oc 204	Fe 131	203	202	1	.....	.....	1,254,077
53	Paper and pulp mills	6	1,363	5	29	36	25	1,268	Jy 1,348	Ap 1,173	1,324	1,296	27	1	.....	11,008,970
54	Paper goods, not elsewhere specified	4	151	.....	15	12	13	111	Au 4 123	Ja 4 100	123	79	44	.....	.....	521,749
55	Patent medicines and compounds	14	238	4	22	52	22	138	Fe 146	Ap 119	138	58	80	.....	.....	1,428,110
56	Paving materials	3	24	3	2	1	1	17	Je 29	Fe 1	28	28	.....	.....	.....	33,000
57	Printing and publishing, book and job	53	427	55	23	5	15	329	De 343	My 320	346	233	108	5	.....	793,932
58	Printing and publishing, newspapers and periodicals.	53	465	41	36	39	63	286	.....	.....	272	190	77	5	.....	777,538
59	Printing and publishing	10	190	4	16	30	25	115	No 118	Mh 4 113	96	78	17	1	.....	366,593
60	Printing, publishing, and job printing	39	243	37	16	5	14	171	My 4 174	Fe 166	176	112	60	4	.....	388,951
61	Publishing, without printing	4	32	.....	4	4	24	.....	.....	.....	.....	.....	.....	.....	.....	21,994
62	Refrigerators	3	330	.....	12	17	8	293	Mh 318	Je 262	302	289	12	1	.....	1,176,502
63	Saddlery and harness	10	26	9	.....	.....	.....	17	No 20	Jy 4 15	18	18	.....	.....	.....	31,885
64	Shirts	9	372	11	18	2	3	338	De 411	Fe 253	411	34	376	.....	1	231,428
65	Sporting and athletic goods	4	43	4	2	.....	1	36	De 47	Jy 4 33	36	27	9	.....	.....	59,788
66	Textile machinery and parts	14	278	19	10	3	3	243	Au 264	Ja 222	267	260	7	.....	.....	483,040

[1] Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919.

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.
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
Dollars. 4,717,000	Dollars. 2,628,179	Dollars. 34,083,935	Dollars. 753,451	Dollars. 571,601	Dollars. 5,331,327	Dollars. 91,624,436	Dollars. 3,548,145	Dollars. 168,108,072	Dollars. 72,935,491	185,095	46,833	4,548	2,959	68,897	61,858	12,298	1
44,903	9,252	200,401	.....	84	14,544	267,725	23,143	600,912	310,044	1,141	220	.....	40	585	296	.....	2
17,270	16,365	326,221	.....	18,465	10,678	654,867	19,132	1,820,513	1,146,514	459	.....	.....	114	21	324	47	3
6,686	1,298	33,271	.....	576	494	27,635	1,462	85,257	56,160	340	95	.....	.....	155	90	.....	4
114,643	11,870	405,394	.....	785	94,665	1,080,118	5,831	1,934,066	848,117	1,362	515	.....	25	448	374	20	5
27,495	17,468	272,060	30	20,958	35,102	1,699,108	46,259	2,532,919	787,552	333	.....	.....	28	6	299	2	6
56,526	24,144	276,856	7,739	1,940	16,397	8,821,345	69,500	10,194,160	1,303,315	1,729	800	22	71	263	573	102	7
24,077	4,081	64,156	.....	1,255	4,186	353,813	5,871	521,879	162,195	665	434	.....	19	.....	212	.....	8
.....	.....	1,992	.....	316	48	701	491	6,621	5,429	14	.....	.....	.....	.....	14	.....	9
1,800	.....	29,483	.....	796	1,423	46,351	3,094	129,828	80,383	346	.....	.....	52	215	79	12	10
1,800	.....	23,913	.....	786	1,171	37,831	2,605	103,743	63,307	199	.....	.....	26	100	73	2	11
.....	.....	5,570	.....	10	252	8,520	489	26,085	17,076	147	.....	.....	26	115	6	10	12
2,527	.....	25,867	.....	.....	1,848	38,218	4,056	82,092	39,818	244	1	.....	.....	.....	243	5	13
70,193	43,580	2,225,997	.....	.....	40	2,112,000	155,286	4,607,671	2,340,385	2,015	252	.....	.....	.....	1,763	.....	14
13,907	7,695	50,407	.....	2,496	2,776	1,328,804	10,645	1,482,936	143,487	262	175	13	6	.....	68	10	15
73,782	78,286	194,504	.....	2,762	106,121	1,038,456	5,693	1,789,158	745,009	167	70	.....	.....	.....	97	.....	16
63,887	50,735	151,386	.....	2,762	100,920	731,844	3,734	1,314,136	578,558	140	70	.....	.....	.....	70	.....	17
9,895	27,551	43,118	.....	.....	5,201	306,612	1,959	475,022	166,451	27	.....	.....	.....	.....	27	.....	18
53,313	23,623	197,124	748	600	11,896	300,822	7,987	796,773	487,964	147	25	.....	.....	50	72	.....	19
28,976	46,485	273,036	7,717	.....	42,467	6,300,880	124,849	6,861,556	435,827	823	587	.....	.....	.....	236	96	20
57,135	47,524	191,252	.....	11,728	66,672	1,067,291	12,748	1,756,560	676,521	241	100	.....	.....	.....	141	31	21
39,855	40,159	154,772	.....	4,770	60,843	790,294	8,209	1,248,722	450,219	118	100	.....	.....	.....	18	31	22
17,280	7,365	36,480	.....	6,958	5,829	276,997	4,539	507,838	226,302	123	.....	.....	.....	.....	123	.....	23
2,700	.....	12,368	.....	.....	363	12,825	35	46,297	33,437	202	.....	.....	5	197	.....	.....	24
14,120	11,073	111,828	.....	4,956	5,314	301,093	4,107	570,337	265,137	60	.....	.....	.....	.....	60	.....	25
78,135	20,917	907,400	.....	.....	246,432	2,013,265	114,020	4,383,835	2,256,550	6,501	3,300	30	.....	1,677	1,554	100	26
29,672	17,122	158,210	4,922	5,185	32,886	5,310,823	21,473	6,143,940	811,044	8,051	105	.....	288	5,081	2,577	260	27
121,908	55,977	185,036	.....	8,586	67,163	6,319,154	22,665	7,176,614	834,795	1,484	.....	.....	7	15	1,462	.....	28
21,228	3,683	23,950	.....	2,176	12,651	412,854	5,836	582,223	163,533	114	.....	.....	.....	.....	114	.....	29
18,150	18,905	30,867	.....	2,000	22,848	715,355	3,547	909,504	190,602	66	.....	.....	7	15	44	.....	30
82,530	33,389	130,218	.....	4,410	31,664	5,190,945	13,282	5,684,887	480,660	1,304	.....	.....	.....	.....	1,304	.....	31
188,812	61,767	1,242,754	5,576	4,353	72,054	1,309,291	89,745	3,343,596	1,944,560	2,896	715	.....	14	764	1,403	23	32
68,241	7,325	558,544	1,169	784	8,635	483,820	56,823	1,317,527	776,884	616	200	.....	.....	75	341	.....	33
76,796	35,503	440,341	4,407	2,069	21,768	547,130	18,465	1,284,063	718,468	1,626	440	.....	14	539	633	23	34
43,775	18,039	243,869	.....	1,500	41,651	278,341	14,457	742,006	449,208	654	75	.....	.....	150	420	.....	35
154,303	50,959	840,030	60	1,378	67,948	1,286,933	40,002	3,242,332	1,915,397	3,492	2,277	.....	12	725	478	588	36
31,964	16,696	89,914	822	2,407	14,943	63,203	158,804	485,751	263,744	136	95	15	.....	.....	26	55	37
95,175	40,875	910,438	35,218	.....	183,721	3,047,408	47,144	5,063,201	1,968,559	978	558	.....	.....	135	285	.....	38
19,722	2,835	158,309	1,316	2,381	8,049	98,702	161,257	459,489	199,530	1,141	290	.....	.....	145	706	130	39
144,038	49,500	2,684,157	397,615	3,274	159,055	2,939,335	34,324	8,361,641	5,387,982	30,589	15,692	415	1,014	11,014	2,454	721	40
49,069	44,051	265,377	378	20,799	23,697	1,850,292	5,190	2,846,673	991,191	2,167	1,660	.....	43	258	206	67	41
290,747	479,571	2,550,347	5,590	2,400	1,434,042	2,817,119	110,016	9,609,745	6,682,610	7,201	300	1,050	.....	450	5,401	.....	42
745,541	411,189	6,276,507	125,519	89,673	246,686	5,574,615	591,226	17,426,011	11,260,170	30,590	2,482	.....	775	4,598	22,735	2,159	43
525,587	321,385	3,866,225	94,107	51,076	142,855	4,483,902	367,149	12,365,508	7,514,457	13,709	355	.....	5	370	12,979	.....	44
117,840	63,420	1,638,865	31,222	4,168	90,024	835,878	161,687	3,520,492	2,522,927	12,238	1,875	.....	770	4,020	5,573	2,159	45
69,966	21,546	590,200	.....	30,852	6,583	89,057	44,504	984,217	850,656	3,349	167	.....	.....	.....	3,182	.....	46
32,148	4,838	181,217	190	3,577	7,224	165,778	17,886	555,794	372,130	1,294	85	.....	.....	208	1,001	.....	47
4,410	14,868	26,913	.....	3,585	7,830	117,474	2,494	213,280	93,312	37	.....	.....	5	.....	32	1	48
86,699	14,669	482,789	19,133	6,274	24,025	204,298	136,344	1,528,342	1,187,700	4,799	948	.....	7	.....	3,844	.....	49
426,473	140,667	2,144,116	4,176	280,851	239,151	5,830,615	733,685	10,862,858	4,298,558	42,084	5,170	.....	50	34,080	2,784	3,445	50
187,962	37,040	377,559	370	540	59,578	2,164,347	175,235	3,187,328	847,746	4,434	1,490	.....	50	2,080	814	.....	51
25,884	11,502	216,362	3,806	1,297	14,354	462,491	76,766	870,212	330,955	5,650	150	.....	.....	5,500	.....	1,350	52
212,627	92,035	1,550,195	.....	279,014	165,219	3,203,777	481,684	6,805,318	3,119,857	32,000	3,530	.....	.....	26,500	1,970	2,095	53
58,900	30,690	103,064	.....	2,280	20,658	860,382	8,125	1,289,481	420,974	189	.....	.....	.....	.....	189	.....	54
56,542	78,297	82,961	.....	1,130	222,935	904,526	14,587	1,948,703	1,029,590	18	.....	.....	2	.....	16	130	55
1,800	1,488	14,236	.....	.....	230	5,007	2,190	30,928	23,731	90	15	.....	.....	.....	75	.....	56
47,567	14,016	258,402	5,817	14,999	6,701	255,433	12,172	820,736	553,131	338	25	.....	10	11	292	.....	57
61,554	91,112	219,613	18,259	15,169	14,184	203,280	17,169	894,527	674,078	359	.....	.....	32	13	314	11	58
25,390	56,179	90,529	400	5,077	5,735	98,666	8,201	405,383	298,516	168	.....	.....	20	2	146	.....	59
26,784	19,952	120,084	3,461	9,175	5,556	104,493	8,968	432,670	319,209	191	.....	.....	12	11	168	11	60
9,380	14,981	.....	14,398	917	2,893	121	.....	56,474	56,353	.....	.....	.....	.....	.....	.....	.....	61
21,380	14,437	208,605	4,513	6,042	13,665	350,788	4,567	824,538	469,183	450	205	.....	.....	.....	245	.....	62
.....	.....	18,151	.....	970	737	35,338	924	75,458	39,196	4	.....	.....	.....	.....	4	.....	63
27,210	5,818	178,642	29,333	2,894	9,797	248,571	8,495	528,603	271,537	221	70	.....	.....	67	84	.....	64
4,615	873	23,246	600	.....	3,617	17,848	498	57,218	38,872	150	.....	.....	32	115	3	.....	65
23,474	6,652	185,055	.....	.....	19,830	259,052	7,147	722,180	455,981	786	310	20	.....	164	292	50	66

[1] No figures given for reasons stated under "Explanation of terms."
[2] Same number reported for one or more other months.
[3] Same number reported throughout the year.

TABLE 26.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.		Wage earners. Number, 15th day of— Minimum month.		WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
																		Dollars.
1	Tobacco, cigars	14	38	15	1	1	.....	21	Mh [8]	23	Ap [3]	20	22	17	4	1	.....	24,427
2	Tools, not elsewhere specified	7	432	5	18	17	37	355	De	378	My	344	378	366	11	1	.....	1,947,715
3	Toys and games	6	454	6	12	5	8	423	De	544	Ja	314	537	423	109	2	3	360,740
4	Vinegar and cider	33	50	39	1	1	.....	9	Oc	40	Ja [8]	1	24	23	.....	1	.....	83,560
5	Window shades and fixtures	3	120	1	9	2	3	105	De	120	Ja [3]	98	109	87	22	.....	.....	391,007
6	Wood, turned and carved	25	424	35	17	2	4	366	De	400	Ja	326	423	366	57	.....	.....	788,252
7	Wooden goods, not elsewhere specified	9	191	5	5	1	5	175	De	209	Ja	136	211	156	53	.....	2	505,512
8	Woolen and worsted goods	18	3,225	8	109	46	31	3,031	De	3,817	Ja	1,819	3,815	2,826	982	1	6	15,135,501
9	All other industries *	83	4,846	69	174	262	141	4,200	.....	.....	.....	.....	.....	.....	.....	.....	.....	20,391,150

* All other industries embrace—

Artificial stone products	1
Automobile bodies and parts	1
Awnings, tents, and sails	2
Bookbinding and blank-book making	2
Boots and shoes	2
Boxes, set-up paper boxes	3
Brass and bronze products	1
Brick	1
Brooms, from broom corn	1
Brushes	1
Chocolate and cocoa products	1
Coffee, roasting and grinding	1
Coffins, burial cases, and undertakers goods	2
Dairymen's supplies	4
Druggists' preparations	1
Electrical machinery, apparatus, and supplies	1
Electroplating	1
Engines, steam, gas, and water	1
Fancy articles, not elsewhere specified	4
Flavoring extracts	1
Fur goods	2
Furnishing goods, men's	2
Grease and tallow, not including lubricating greases	1
Hand stamps	1
Hardware	2
Hones and whetstones	1
Lasts	2
Leather, tanned, curried, and finished	2
Mattresses and spring beds, not elsewhere specified	2

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

1	BARRE	132	2,291	155	119	61	58	1,898	No	2,036	Fe	1,761	2,015	1,977	37	1	.....	4,665,625
2	BURLINGTON	91	3,353	75	124	135	106	2,913	Au	2,985	Je	2,800	3,054	2,102	936	11	5	13,318,817
3	RUTLAND	64	2,281	61	98	98	69	1,955	De	2,178	Fe	1,788	2,218	1,840	378	.....	.....	7,066,034

[1] Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—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.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*								
1,502	1,040	15,158	924	2,727	8,234	32,003	434	80,158	47,721	1	.....	.....	.....	.....	1	.....	1
51,404	28,714	326,743	.....	1,324	34,515	557,491	38,686	1,558,116	901,939	1,828	600	.....	.....	185	1,043	.....	2
76,794	23,608	415,681	46	690	7,623	577,472	20,989	1,350,876	752,415	1,706	175	800	.....	197	528	259	3
2,600	1,720	6,612	959	.....	1,292	71,763	2,054	124,276	50,459	640	146	.....	144	303	47	.....	4
9,001	6,374	49,132	.....	1,000	4,812	166,430	2,823	306,990	137,732	206	40	.....	.....	125	41	.....	5
43,681	3,488	303,380	455	980	10,173	312,430	7,749	906,756	580,577	2,195	1,310	.....	91	658	136	.....	6
7,187	4,038	131,067	9,095	855	7,933	228,398	2,478	462,178	231,302	1,163	875	.....	.....	155	133	137	7
583,282	85,074	3,382,147	54,869	.....	830,869	10,246,469	289,548	17,425,823	6,889,806	9,712	2,910	2,163	.....	4,257	382	3,272	8
561,786	464,533	4,331,027	12,022	21,678	870,206	12,057,086	338,927	21,733,684	9,337,671	12,289	3,286	20	73	1,765	7,145	565	9

Millinery and lace goods, not elsewhere specified 1
Models and patterns, not including paper patterns 1
Musical instruments and materials, not specified 1
Musical instruments, organs 1
Musical instruments, piano materials 2
Needles, pins, and hooks and eyes 1
Optical goods, lenses 1
Perfumery and cosmetics 1
Pickles, preserves, and sauces 1
Pulp, from fiber other than wood 1
Pumps, steam and other power 2
Sausage, not made in slaughtering and meat-packing establishments 2
Scales and balances 3
Shipbuilding, wooden, masts, spars, oars, and rigging 1
Slaughtering, and meat packing 2
Springs, steel 1
Stationery goods, penholders 1
Steam fittings, and steam and hot-water heating apparatus 1
Stoves and ranges 1
Stoves, gas and oil 1
Surgical appliances 1
Tinware, not elsewhere specified 2
Upholstering materials, excelsior 1
Wall plaster and composition flooring 1
Window and door screens 1
Wirework 1
Wool shoddy 3

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

432,151	227,449	2,653,505	52,707	45,096	112,198	2,953,717	248,502	8,499,931	5,297,712	8,019	360	15	20	251	7,373	.....	1
406,604	270,997	2,391,470	5,537	43,684	580,678	11,851,487	203,532	19,489,386	7,374,367	9,409	4,820	30	.....	902	3,657	276	2
241,721	154,889	2,025,906	4,513	34,221	461,813	2,525,677	149,830	6,668,955	3,993,448	4,096	1,151	.....	.....	.....	2,945	43	3

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

VIRGINIA.

GENERAL STATISTICS.

General character of the state.—Virginia, one of the original thirteen states, has a gross area of 42,627 square miles, of which 40,262 represent land surface. The inhabitants of the state in 1900 numbered 1,854,184; in 1910, 2,061,612; and in 1920, 2,309,187. In total population Virginia ranked twentieth among the states in 1920. The number of inhabitants per square mile in 1910 was 51.2, the corresponding figure for 1920 being 57.4.

In 1920 there were 11 cities in the state having more than 10,000 inhabitants. (See Table 6.) The combined population of these cities in that year was 550,261, which formed 23.8 per cent of the total for Virginia. Separate statistics of manufactures for Newport News are excluded from all tables in order to avoid the possibility of disclosing the operations of individual establishments in that city. The population of these cities, exclusive of Newport News, represented 22.3 per cent of the population of the state, and they reported 52.2 per cent of the value of the state's manufactured products in 1919.

Importance and growth of manufactures (Table 1).—The increases in salaries and wages, cost of materials, and the value of products, from 1914 to 1919, as presented in Table 1, are largely due to the change in industrial conditions brought about by the World War, and therefore can not properly be used to measure the growth of manufactures during the census period 1914 to 1919. The increases shown, however, in number of wage earners and horsepower are indicative of a decided growth in the manufacturing activities of the state. The addition of the Federal income tax since 1914 will account for the large increase in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures for county totals prior to 1919 are not available, and therefore comparison can not be made. Cities in Virginia are independent of the counties; they have been included in the table, however, each combined with its contiguous county, except Newport News, which is included in "All other counties," to avoid disclosing the operations of individual establishments in that city. Of the 100 counties and 20 independent cities in the state, Henrico County and Richmond city combined, reported 24.8 per cent of the total value of the state's manufactured products in 1919, and 18.8 per cent of the average number of wage earners.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is often misleading as to their real importance from a manufacturing standpoint. The industry of grading, roasting, cleaning, and shelling peanuts, for instance, which ranked sixth in value of products, ranked eighteenth in number of wage earners and twenty-first in value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The 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." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 32.

Average number of wage earners, by selected industries (Table 5).—The industries covered by this table are those which employed more than 500 wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—In most of the detail figures for the cities, increases are shown from 1914 to 1919. The decrease in wage earners in Norfolk is due principally to the disappearance of an establishment manufacturing lumber and timber products in that city in 1914. Changes in the 1914 figures, as published for that year, are due to the fact that certain establishments that were located outside the corporate limits of the city were improperly included in the city totals for that year.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the three census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to showing the number of wage earners employed by months for selected industries, similar data are given for males and females for all industries combined for the state and for each city, except Newport News, having 10,000 inhabitants or more. The number of female wage earners is also presented for the industries that employed a large number of females. The 10 cities combined reported a larger proportion of female wage earners than the state as a whole, 26.3 per cent as compared with 16.8 per cent for the state.

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Prevailing hours of labor (Table 9).—There has been a marked shortening of the working day in Virginia since 1914. In that year only 7 per cent of the wage earners were included in the group "48 and under," as against 35.4 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 54.8 per cent of the total wage earners as compared with 23 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of small establishments, based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 96.2 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 35.1 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 3.8 per cent of the total number of manufacturing establishments in the state, but reported 64.9 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at "$100,000 to $1,000,000" constituted one group, but at the census of 1919 this group was subdivided into "$100,000 to $500,000" and "$500,000 to $1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups for all items for 1909, and in the case of the average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in several instances to combine the establishments of one group of the industry with those of some other group of that industry to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table illustrates the fact that the number of establishments of itself is no real index of the extent of manufacturing activities.

Character of ownership (Table 14).—The preponderance of corporate ownership is clearly brought out in this table. Although corporations owned but 24.6 per cent of the number of establishments in the state in 1919, they reported 85 per cent of the average number of wage earners and 87.1 per cent of the total value of products. During the five-year period, 1914 to 1919, the average number of wage earners in corporations increased 24,442, or 31.7 per cent, and the value of products $347,945,767, or 163.6 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the number of establishments in these cities in 1919, exclusive of Newport News, represented 22.4 per cent of the total reported for the state. They reported in that year 47.8 per cent of the wage earners and 52.2 per cent of the value of products.

Manufactures in Bristol, Va., and Bristol, Tenn. (Table 16).—The city of Bristol, located partly in Virginia and partly in Tennessee, had a combined population of over 10,000 in 1920, 8,047 in Tennessee and 6,729 in Virginia. The principal industries in Bristol, Va., in 1919 were paper and wood pulp; flour-mill and gristmill products; men's clothing; leather, tanned, curried, and finished; and lumber and timber products; while the principal industries in Bristol, Tenn., were flour-mill and gristmill products; men's clothing; knit goods; and druggists' preparations.

Principal industries in cities of 50,000 inhabitants or more, with per cent of total for state (Table 17).—This table includes all industries reporting products of $300,000 and over in Portsmouth, $500,000 and over in Norfolk and Roanoke, and $1,000,000 and over in Richmond, the figures being given for those which can be shown without disclosing the operations of individual establishments.

Number and horsepower of types of prime movers (Table 18).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 82,379 horsepower, or 24.4 per cent. The increase for rented power was much greater than that for owned power, being 77,884 horsepower, or 209.7 per cent, as compared with 4,495 horsepower, or 1.5 per cent, for owned power.

Fuel consumed (Table 19).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel. Totals for the various cities, except for Newport News, are also given. There was a decided increase in the quantities of each of the several kinds of fuel used in 1919 as compared with 1914. Of the bituminous coal reported, the coke industry consumed 45.9 per cent; iron and steel furnaces consumed 79.6 per cent of the coke; while 49.2 per cent of the fuel oils was used in the manufacture of gas.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE.[1]			
	1919	1914	1909	1904	1899	1914–1919	1909–1914	1904–1909	1899–1904
Number of establishments	5,603	5,508	5,685	3,187	3,186	1.7	−3.1	78.4	(2)
Persons engaged	139,178	118,109	120,797	88,898	(3)	17.8	−2.2	35.9	.....
Proprietors and firm members	5,900	6,125	6,570	3,643	(3)	−3.7	−6.8	80.3	.....
Salaried employees	13,926	9,104	8,551	4,970	3,828	52.0	7.2	72.1	29.8
Wage earners (average number)	119,352	102,820	105,676	80,285	66,223	16.1	−2.7	3.16	21.2
Primary horsepower	419,946	337,567	283,928	176,998	136,696	24.4	18.9	60.4	29.5
Capital	$463,644,498	$261,501,288	$216,392,388	$147,989,182	$92,299,589	77.3	20.8	46.2	60.3
Salaries and wages	145,914,536	56,118,282	47,255,356	32,817,864	23,903,498	160.0	18.8	44.0	37.3
Salaries	25,908,084	11,244,847	9,100,790	4,874,806	3,629,609	130.4	23.6	86.7	34.3
Wages	120,006,452	44,873,435	38,154,566	27,943,058	20,273,889	167.4	17.6	36.5	37.8
Paid for contract work	2,848,581	1,893,922	1,713,523	711,771	(3)	50.4	10.5	140.7	.....
Rent and taxes	36,445,834	9,373,527	6,751,151	[4] 857,071	(3)	288.8	38.8	.....	.....
Cost of materials	371,540,833	155,319,576	125,582,687	83,649,149	59,359,484	139.2	23.7	50.1	40.9
Value of products	643,511,621	264,039,041	219,793,858	148,856,525	108,644,150	143.7	20.1	47.7	37.0
Value added by manufacture[5]	271,970,788	108,719,465	94,211,171	65,207,376	49,284,666	150.2	15.4	44.5	32.3

[1] A minus sign (−) denotes decrease. [2] Less than one-tenth of 1 per cent. [3] Figures not available.
[4] Exclusive of internal revenue. [5] Value of products less cost of materials.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Wages.	Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
The state	5,603	119,352	$120,006,452	$36,445,834	$371,540,833	$643,511,621	$271,970,788	419,946
Accomac	88	595	472,726	80,462	1,160,549	2,097,052	936,503	3,263
Albemarle and Charlottesville city	99	788	831,219	68,273	2,250,781	3,825,918	1,575,137	2,860
Alleghany and Clifton Forge city	64	2,704	2,926,433	419,045	11,347,796	17,004,137	5,656,341	20,137
Amelia	27	168	110,732	1,382	151,741	406,323	254,582	673
Amherst	31	285	183,364	49,030	740,279	1,387,869	647,590	1,062
Appomattox	20	49	35,654	433	108,495	208,993	100,498	484
Arlington and Alexandria city	55	4,683	6,155,091	259,783	16,690,857	27,638,693	10,947,836	7,359
Augusta and Staunton city	170	1,895	1,488,380	191,806	7,572,714	11,920,103	4,347,389	9,939
Bath	30	190	106,402	8,171	187,967	367,536	179,569	1,159
Bedford	170	313	517,938	222,163	2,506,524	3,919,798	1,413,274	4,082
Bland	20	129	101,461	600	89,952	340,439	250,487	681
Botetourt	157	693	382,446	34,039	2,040,838	2,975,781	934,943	4,459
Brunswick	47	532	471,604	12,703	830,331	1,644,603	814,272	1,968
Buchanan	16	569	743,762	57,237	405,520	1,527,546	1,122,026	1,732
Buckingham	35	402	289,999	12,543	119,515	597,986	478,471	1,278
Campbell and Lynchburg city	111	5,368	5,350,375	1,306,842	19,047,707	32,342,566	13,294,769	13,422
Caroline	48	229	168,188	2,197	463,690	874,576	410,886	1,726
Carroll	42	193	135,190	4,303	465,275	645,754	180,479	1,166
Charles City	6	78	46,042	188	31,659	94,046	62,387	287
Charlotte	56	203	149,654	2,246	136,937	522,623	385,686	1,502
Chesterfield	47	472	368,346	53,800	1,178,199	1,857,645	679,446	3,132
Clarke	14	26	20,350	1,040	228,798	286,962	58,164	197
Craig	18	31	26,250	1,100	66,584	135,143	68,559	329
Culpeper	30	167	107,450	7,755	838,767	1,181,725	342,958	724
Cumberland	23	55	41,627	1,942	146,951	268,112	121,161	485
Dickenson	20	495	620,071	34,404	258,776	1,234,124	975,348	1,785
Dinwiddie and Petersburg city	144	5,375	4,177,340	908,259	19,191,695	27,991,796	8,800,101	9,378
Elizabeth City	27	304	319,778	18,255	773,657	1,229,345	455,688	1,132
Essex	19	87	44,720	346	70,011	210,079	140,068	307
Fairfax	30	83	71,792	4,134	184,337	356,279	171,942	785
Fauquier	47	128	112,759	4,051	303,956	552,358	248,402	940
Floyd	33	19	8,535	1,040	179,905	266,248	86,343	626
Fluvanna	52	204	93,257	1,862	204,669	427,276	222,607	934
Franklin	85	268	176,481	15,627	614,718	1,128,015	513,297	1,460
Frederick and Winchester city	79	839	671,838	186,943	2,961,231	4,567,012	1,605,781	3,836
Giles	27	456	443,487	20,746	2,583,849	3,529,014	945,165	2,862
Gloucester	26	70	44,087	776	76,606	179,357	102,751	525
Goochland	41	201	155,392	1,749	58,820	317,718	258,898	995
Greene	18	36	28,406	301	30,761	95,215	64,454	344
Greensville	30	580	445,269	101,617	1,133,280	2,267,790	1,134,510	2,703
Halifax	29	270	211,623	35,730	1,031,093	1,553,399	522,306	960
Hanover	36	176	126,393	2,319	285,531	576,808	291,277	941
Henrico and Richmond city	564	22,459	20,405,844	19,103,926	91,110,423	159,693,065	68,582,642	42,489
Henry	38	1,084	748,304	296,530	1,739,898	3,757,409	2,017,511	4,565
Highland	13	8	5,000	336	46,531	77,550	31,019	180
Isle of Wight	24	694	525,066	19,694	1,482,854	3,145,896	1,663,042	2,079
James City	26	185	141,095	3,228	115,616	350,139	234,523	978
King and Queen	46	220	142,471	1,006	142,912	453,869	310,957	964
King George	21	61	36,048	1,054	95,970	183,830	87,860	394
King William	33	628	608,030	85,745	599,547	2,675,953	2,076,406	1,695
Lancaster	53	468	465,384	16,118	656,295	1,450,311	794,016	2,740
Lee	39	274	219,820	4,550	184,987	533,861	348,874	996
Loudoun	45	98	87,553	4,790	425,002	633,419	208,417	922
Louisa	74	261	194,675	2,626	250,626	680,369	429,743	1,180
Lunenburg	34	352	464,605	2,540	421,887	1,073,493	651,606	1,043

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919—Continued.

COUNTY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Wages.	Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
Madison	42	47	$33,110	$1,046	$217,090	$322,598	$105,508	864
Mathews	16	70	37,746	662	49,942	119,821	69,870	211
Mecklenburg	68	575	436,929	116,624	1,563,845	2,883,733	1,319,888	2,750
Middlesex	28	210	108,114	1,266	263,563	491,233	227,670	98
Montgomery and Radford city	77	974	895,669	120,759	2,555,849	4,411,472	1,855,623	6,061
Nansemond and Suffolk city	70	2,463	1,622,651	249,954	14,399,863	18,471,499	4,071,636	8,522
Nelson	29	707	557,726	12,380	324,550	967,429	642,879	2,287
New Kent	15	111	86,524	398	61,718	216,407	154,689	565
Norfolk and Norfolk and Portsmouth cities	311	12,278	14,053,097	2,097,966	49,929,427	81,909,488	31,980,061	43,576
Northampton	34	534	646,228	12,381	704,454	1,667,709	963,255	1,589
Northumberland	59	821	743,231	110,532	1,168,721	2,513,591	1,344,870	9,186
Nottoway	37	547	624,078	15,998	697,154	1,626,942	929,788	2,287
Orange	39	156	117,560	4,873	606,943	867,755	260,812	986
Page	48	627	620,456	75,332	3,209,351	4,192,015	982,664	1,204
Patrick	27	49	38,229	1,795	123,180	222,285	99,105	582
Pittsylvania and Danville city	68	5,940	5,691,668	2,867,017	16,764,765	30,944,848	14,180,083	30,516
Powhatan	18	104	76,305	2,558	85,259	214,423	129,164	636
Prince Edward	36	214	136,171	3,648	565,667	870,179	304,512	1,095
Prince George and Hopewell city	10	136	108,458	9,119	234,278	468,227	233,949	357
Prince William	46	102	79,201	4,311	273,325	447,984	174,659	822
Princess Anne	9	69	65,006	1,673	62,534	200,183	137,649	373
Pulaski	42	658	726,640	90,494	2,893,401	4,354,736	1,461,335	8,836
Rappahannock	27	64	40,801	1,713	130,764	229,734	98,970	505
Richmond	44	218	126,281	3,787	219,080	470,649	251,569	834
Roanoke and Roanoke city	159	8,421	9,371,704	3,258,081	16,826,110	37,109,175	20,283,065	15,758
Rockbridge and Buena Vista city	90	1,012	856,105	330,535	3,814,779	5,823,644	2,008,865	8,395
Rockingham and Harrisonburg city	151	870	650,564	143,349	6,898,166	8,871,304	1,973,138	4,088
Russell	38	458	416,430	36,490	494,657	1,138,606	643,949	1,241
Scott	27	490	372,594	11,072	244,504	793,135	548,631	2,206
Shenandoah	81	366	305,961	62,081	2,024,454	2,870,225	845,771	2,098
Smyth	40	1,545	1,571,124	55,245	3,375,687	5,622,649	2,246,962	10,257
Southampton	36	617	494,340	59,057	2,726,196	3,572,539	846,343	2,157
Spotsylvania and Fredericksburg city	95	859	579,792	37,895	1,386,302	2,673,449	1,287,087	2,428
Stafford	20	62	43,339	206	44,113	161,137	117,024	295
Sussex	33	632	410,469	13,686	1,250,802	2,046,649	795,847	1,704
Tazewell	63	370	298,360	26,526	1,104,210	1,791,756	687,546	2,376
Warren	37	324	208,254	7,934	696,730	1,434,780	738,050	2,084
Washington and Bristol city	80	2,249	2,192,363	274,168	6,886,492	12,039,913	5,153,421	9,424
Westmoreland	46	187	97,886	3,475	450,325	560,020	109,695	836
Wise	62	1,623	1,873,082	254,054	6,117,655	9,632,164	3,514,509	5,831
Wythe	52	387	352,478	118,391	1,903,186	2,953,912	990,726	2,657
York	10	20	17,597	326	24,547	66,896	42,349	148
All other counties [1]	106	13,486	19,196,330	2,269,532	22,083,176	50,001,802	27,918,626	46,382

[1] All other counties comprise Grayson, Surry, and Warwick Counties, and city of Newport News.

TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Per cent distribution.	VALUE OF PRODUCTS. Amount (expressed in thousands).	VALUE OF PRODUCTS. Per cent distribution.	VALUE ADDED BY MANUFACTURE. Amount (expressed in thousands).	VALUE ADDED BY MANUFACTURE. Per cent distribution.
All industries	5,603	119,352	100.0	$643,512	100.0	$271,971	100.0
Tobacco, cigars and cigarettes	49	7,335	6.1	63,273	9.8	26,799	9.9
Flour-mill and gristmill products	537	937	0.8	36,154	5.6	5,226	1.9
Lumber and timber products	1,931	15,960	13.4	35,389	5.5	24,724	9.1
Cars and general shop construction and repairs by steam-railroad companies	31	12,086	10.1	32,777	5.1	18,444	6.8
Cotton goods	10	6,518	5.5	32,535	5.1	14,991	5.5
Peanuts, grading, roasting, cleaning, and shelling	28	1,528	1.3	23,162	3.6	3,113	1.1
Fertilizers	43	2,354	2.0	22,891	3.6	8,693	3.2
Leather, tanned, curried and finished	21	1,666	1.4	21,591	3.4	5,375	2.0
Tobacco, chewing and smoking	14	2,078	1.7	15,077	2.3	5,939	2.2
Paper and wood pulp	10	1,951	1.6	13,602	2.1	5,807	2.1
Chemicals	12	1,847	1.5	12,765	2.0	9,060	3.3
Clothing, men's	28	2,305	1.9	11,810	1.8	4,940	1.8
Lumber, planing-mill products, not including planing mills connected with sawmills	145	2,039	1.7	11,773	1.8	4,129	1.5
Bread and other bakery products	125	1,262	1.1	11,002	1.7	3,983	1.5
Food preparations, not elsewhere specified	22	245	0.2	10,205	1.6	936	0.3
Iron and steel, blast furnaces	12	1,081	0.9	10,098	1.6	1,828	0.7
Dyestuffs and extracts—natural	17	1,002	0.8	$9,426	1.5	$4,493	1.7
Boxes, wooden packing, except cigar boxes	34	2,534	2.1	9,232	1.4	3,312	1.2
Trunks and valises	15	1,703	1.4	8,618	1.3	4,482	1.6
Slaughtering and meat packing	25	502	0.4	7,589	1.2	1,362	0.5
Printing and publishing, book and job	174	1,695	1.4	7,028	1.1	4,610	1.7
Confectionery and ice cream	76	855	0.7	6,692	1.0	2,681	1.0
Foundry and machine-shop products	86	1,706	1.4	6,352	1.0	4,258	1.6
Printing and publishing, newspapers and periodicals	197	964	0.8	5,998	0.9	3,913	1.4
Coke, not including gas-house coke	13	849	0.7	5,524	0.9	1,589	0.6
Furniture	38	1,296	1.1	5,043	0.8	2,495	0.9
Bags, other than paper, not including bags made in textile mills	13	441	0.4	4,841	0.8	615	0.2
Knit goods	10	1,578	1.3	4,685	0.7	1,782	0.7
Shipbuilding, wooden, including boat building	30	1,159	1.0	4,582	0.7	3,562	1.3
Canning and preserving, fruits and vegetables	473	1,836	1.5	4,427	0.7	1,281	0.5
Mineral and soda waters	100	427	0.4	4,340	0.7	1,914	0.7
Carriages and wagons, including repairs	63	777	0.7	4,054	0.6	1,839	0.7
Ice, manufactured	106	969	0.8	3,965	0.6	2,767	1.0

TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919—Continued.

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
Structural ironwork, not made in steel works or rolling mills	7	791	0.7	$3,807	0.6	$2,197	0.8
Tinware, not elsewhere specified	8	572	0.5	3,447	0.5	942	0.3
Coffee, roasting and grinding	11	104	0.1	3,228	0.5	586	0.2
Gas, illuminating and heating	17	475	0.4	3,149	0.5	1,593	0.6
Brick, sewer pipe, and draintile	45	1,331	1.1	2,738	0.4	1,888	0.7
Woolen goods	12	630	0.5	2,693	0.4	1,155	0.4
Grease and tallow, not including lubricating greases	7	251	0.2	2,429	0.4	742	0.3
Cooperage, hogsheads and barrels	109	661	0.6	2,209	0.3	763	0.3
Lime	37	750	0.6	1,875	0.3	1,145	0.4
Patent medicines and compounds	39	301	0.3	1,872	0.3	1,009	0.4
Boxes, paper and other, not elsewhere specified	16	631	0.5	1,708	0.3	857	0.3
Automobile repairing	116	376	0.3	$1,641	0.3	$840	0.3
Silk goods, including throwsters	10	661	0.6	1,551	0.2	942	0.3
Minerals and earths, ground or otherwise treated	18	752	0.6	1,543	0.2	1,113	0.4
Butter	20	94	0.1	1,535	0.2	430	0.2
Saddlery and harness	33	225	0.2	1,504	0.2	619	0.2
Stoves and ranges	5	334	0.3	1,396	0.2	857	0.3
Vinegar and cider	11	160	0.1	1,227	0.2	314	0.1
Paving materials	24	586	0.5	1,208	0.2	779	0.3
Marble and stone work	66	441	0.4	1,149	0.2	664	0.2
Paints	10	104	0.1	1,142	0.2	428	0.2
Copper, tin, and sheet-iron work	39	229	0.2	1,109	0.2	647	0.2
All other industries [1]	455	27,408	23.0	132,852	20.7	60,419	22.2

[1] Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are a number having products in excess of some for which figures are shown in the table. Of these industries the most important are the following: "Boots and shoes"; "iron and steel, steel works and rolling mills"; "locomotives, not made by railroad companies"; "oil and cake, cottonseed"; and "shipbuilding, steel, new vessels."

TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL.	
					Male.	Female.
All classes	1919	139,178	116,820	22,358	83.9	16.1
	1914	118,109	101,382	16,727	85.8	14.2
	1909	120,797	104,662	16,135	86.6	13.4
Proprietors and officials	1919	12,039	11,831	208	98.3	1.7
	1914	9,415	9,284	131	98.6	1.4
	1909	9,906	9,783	123	98.8	1.2
Proprietors and firm members	1919	5,900	5,785	115	98.1	1.9
	1914	6,125	6,026	99	98.4	1.6
	1909	6,570	6,469	101	98.5	1.5
Salaried officers of corporations	1919	1,766	1,712	54	96.9	3.1
	1914	1,174	1,149	25	97.9	2.1
	1909	1,139	1,128	11	99.0	1.0
Superintendents and managers	1919	4,373	4,334	39	99.1	0.9
	1914	2,116	2,109	7	99.7	0.3
	1909	2,197	2,186	11	99.5	0.5
Clerks and other subordinate salaried employees	1919	7,787	5,636	2,151	72.4	27.6
	1914	5,874	4,744	1,130	80.8	19.2
	1909	5,215	4,333	882	83.1	16.9
Wage earners (average number)	1919	119,352	99,353	19,999	83.2	16.8
	1914	102,820	87,354	15,466	85.0	15.0
	1909	105,676	90,546	15,130	85.7	14.3
16 years of age and over	1919	117,847	98,547	19,300	83.6	16.4
	1914	100,209	85,674	14,535	85.5	14.5
	1909	102,054	88,191	13,863	86.4	13.6
Under 16 years of age	1919	1,505	806	699	53.6	46.4
	1914	2,611	1,680	931	64.3	35.7
	1909	3,622	2,355	1,267	65.0	35.0

TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Census year.	Wage earners (average number).	PER CENT OF TOTAL.		
			16 years of age and over.		Under 16 years of age.
			Male.	Female.	
All industries	1919	119,352	82.6	16.2	1.3
	1914	102,820	83.3	14.1	2.5
	1909	105,676	83.5	13.1	3.4
Boxes, paper and other, not elsewhere specified.	1919	631	44.7	51.8	3.5
	1914	499	35.7	62.3	2.0
Boxes, wooden packing, except cigar boxes	1919	2,534	81.4	17.5	1.1
	1914	1,989	75.6	15.9	8.5
Bread and other bakery products	1919	1,262	81.5	17.3	1.2
	1914	1,033	86.4	12.1	1.5
Brick, sewer pipe, and draintile	1919	1,331	100.0	.....	.....
	1914	1,663	97.7	.....	2.3
Canning and preserving, fruits and vegetables	1919	1,836	34.3	61.0	4.7
	1914	1,793	29.8	53.7	16.5
Carriages and wagons, including repairs	1919	777	97.9	1.8	0.3
	1914	1,066	99.2	0.4	0.5
Cars and general shop construction and repairs by steam-railroad companies.	1919	12,086	99.6	0.4	.....
	1914	10,375	99.9	0.1	.....
Chemicals	1919	1,847	83.0	16.5	0.5
	1914	644	98.3	1.7	.....
Clothing, men's	1919	2,305	10.8	87.6	1.6
	1914	1,224	11.7	87.4	0.9
Coke, not including gas-house coke	1919	849	100.0	.....	.....
	1914	852	100.0	.....	.....
Confectionery and ice cream	1919	855	67.4	32.6	.....
	1914	617	62.2	37.1	0.6
Cooperage, hogsheads and barrels	1919	661	81.7	18.2	0.2
	1914	1,390	88.8	8.4	2.8
Cotton goods	1919	6,518	63.3	34.2	2.5
	1914	6,310	65.0	30.6	4.4
Dyestuffs and extracts—natural	1919	1,002	100.0	.....	.....
	1914	429	98.8	.....	1.2
Fertilizers	1919	2,354	98.0	2.0	.....
	1914	2,470	99.9	.....	0.1
Flour-mill and gristmill products	1919	937	99.5	0.2	0.3
	1914	1,082	99.7	0.2	0.1
Foundry and machine-shop products [1]	1919	1,724	99.5	0.1	0.3
	1914	963	99.7	0.1	0.2

[1] Includes "iron and steel, welding."

TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914—Continued.

INDUSTRY.	Census year.	Wage earners (average number).	PER CENT OF TOTAL. 16 years of age and over. Male.	Female.	Under 16 years of age.
Furniture	1919	1,296	89.3	5.0	5.7
	1914	1,221	93.1	0.3	6.6
Glass	1919	641	82.7	16.7	0.6
	1914	606	92.4	3.3	4.3
Ice, manufactured	1919	969	99.0	0.6	0.4
	1914	714	97.6	.....	2.4
Iron and steel, blast furnaces	1919	1,081	99.7	.....	0.3
	1914	689	99.7	.....	0.3
Knit goods	1919	1,578	26.9	66.4	6.7
	1914	2,272	34.8	53.9	11.3
Leather, tanned, curried, and finished	1919	1,666	99.6	0.3	0.1
	1914	1,205	96.8	3.1	0.2
Lime	1919	750	97.6	.....	2.4
	1914	694	100.0	.....	.....
Lumber and timber products	1919	15,960	99.3	0.5	0.2
	1914	22,100	99.2	0.1	0.8
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	2,039	99.4	0.5	0.1
	1914	2,216	97.7	(1)	2.3
Minerals and earths, ground or otherwise treated.	1919	752	99.6	.....	0.4
	1914	75	98.7	1.3	.....
Paper and wood pulp	1919	1,951	92.9	7.1	.....
	1914	1,260	92.5	7.5	.....
Paving materials	1919	586	100.0	.....	.....
	1914	642	99.7	.....	0.3
Peanuts, grading, roasting, cleaning, and shelling.	1919	1,528	37.6	61.8	0.7
	1914	1,505	21.1	76.8	2.1
Printing and publishing, book and job	1919	1,695	61.6	31.2	7.2
	1914	1,452	71.6	26.3	2.1
Printing and publishing, newspapers and periodicals.	1919	964	84.3	9.9	5.8
	1914	969	82.4	13.5	4.1
Shipbuilding, wooden, including boat building.	1919	1,159	99.9	0.1	.....
	1914	447	100.0	.....	.....
Silk goods, including throwsters	1919	661	31.9	61.6	6.5
	1914	601	30.8	51.5	17.7
Slaughtering and meat packing	1919	502	93.6	6.4	.....
	1914	396	93.2	6.3	0.5
Structural ironwork, not made in steel works or rolling mills.	1919	791	99.9	0.1	.....
	1914	617	99.7	0.3	.....
Tinware, not elsewhere specified	1919	572	78.5	21.3	0.2
	1914	360	75.3	19.2	5.6
Tobacco, chewing and smoking	1919	2,078	52.6	46.5	0.8
	1914	1,695	52.2	44.1	3.7
Tobacco, cigars and cigarettes	1919	7,335	30.9	65.1	4.0
	1914	4,613	27.6	67.4	5.0
Trunks and valises	1919	1,703	88.5	10.6	0.9
	1914	1,174	86.1	4.8	9.1
Woolen goods	1919	630	69.1	30.3	0.6
	1914	431	72.2	25.1	2.8
All other industries	1919	30,956	91.1	7.8	1.0
	1914	20,377	88.3	9.4	2.3

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

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

CITY.[1]	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES. Total. 1919	1914	1909	16 years of age and over. Male. 1919	1914	1909	Female. 1919	1914	1909	Under 16 years of age. 1919	1914	1909	VALUE OF PRODUCTS. 1919	1914	1909
Alexandria	4,012	1,504	1,470	3,849	1,390	1,331	69	82	69	94	32	70	$16,908,023	$3,660,291	$4,419,562
Charlottesville	450	.....	.....	365	.....	.....	85	.....	.....	.....	.....	.....	1,923,944	.....	.....
Danville	5,827	2,691	3,076	3,567	1,751	1,712	2,121	840	1,086	139	100	278	30,183,494	5,558,431	5,389,430
Lynchburg	4,486	3,474	4,026	2,633	2,373	2,801	1,709	995	968	144	106	257	27,449,656	9,918,779	10,188,136
Norfolk	5,119	5,263	4,749	3,822	4,062	3,518	1,258	1,148	1,073	39	53	158	29,587,062	13,710,487	10,341,321
Petersburg	4,891	3,903	3,887	3,191	2,248	2,434	1,570	1,438	1,271	130	217	182	26,440,190	12,609,943	8,895,552
Portsmouth	2,237	767	842	1,939	582	678	285	156	130	13	29	34	9,376,179	1,730,657	1,527,997
Richmond	21,759	17,282	14,849	15,037	12,728	10,010	6,340	4,171	4,538	382	383	301	156,724,322	62,490,667	47,357,985
Roanoke	7,740	5,496	3,544	6,850	5,244	3,312	833	246	201	57	6	31	34,864,211	16,581,988	7,260,859
Staunton	473	346	339	239	235	216	218	93	113	16	18	10	2,566,548	1,448,216	1,222,846

[1] Statistics for Newport News are omitted to avoid disclosure of individual operations.

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER.[1] 1919	1914	1909	PER CENT OF MAXIMUM. 1919	1914	1909	MONTH.	NUMBER.[1] 1919	1914	1909	PER CENT OF MAXIMUM. 1919	1914	1909
January	*111,943*	100,795	*94,885*	84.9	92.8	81.8	July	116,759	102,697	104,231	88.5	94.6	89.9
February	112,177	101,063	97,714	85.0	93.1	84.2	August	125,148	103,418	110,659	94.9	95.2	95.4
March	112,455	103,802	101,750	85.2	95.6	87.7	September	131,680	**108,590**	**115,998**	99.8	100.0	100.0
April	113,802	106,175	104,393	86.3	97.8	90.0	October	131,916	106,016	112,276	100.0	97.6	96.8
May	112,572	105,902	104,865	85.3	97.5	90.4	November	125,549	96,944	109,216	95.2	89.3	94.2
June	113,536	104,916	105,036	86.1	96.6	90.5	December	124,687	*93,522*	107,092	94.5	86.1	92.3

[1] The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum indicated by **bold-faced** figures, minimum by *italic* figures.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by **bold-faced** figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	119,352	*111,943*	112,177	112,455	113,802	112,572	113,536	116,759	125,148	131,680	131,916	125,549	124,687	84.9
Males	99,353	*94,210*	94,221	94,935	96,009	94,738	95,380	98,039	102,085	106,809	107,550	104,250	104,010	87.6
Females	19,999	17,733	17,956	*17,520*	17,793	17,834	18,156	18,720	23,063	24,871	24,366	21,299	20,677	70.4
Boxes, paper and other, not elsewhere specified	631	629	628	598	*578*	597	599	623	628	650	669	684	689	83.9
Boxes, wooden packing, except cigar boxes	2,534	2,427	2,445	2,440	2,513	2,576	2,503	2,616	*2,253*	2,649	2,713	2,629	2,644	83.0
Bread and other bakery products	1,262	1,138	*1,122*	1,143	1,260	1,271	1,275	1,298	1,320	1,305	1,326	1,339	1,347	83.3
Brick, sewer pipe, and draintile	1,331	*899*	930	1,002	1,224	1,329	1,455	1,559	1,614	1,663	1,615	1,420	1,262	54.1
Canning and preserving, fruits and vegetables	1,836	2	32	41	96	94	89	552	6,857	7,188	5,970	1,027	84	(1)
Carriages and wagons, including repairs	777	797	760	697	*696*	717	733	779	782	811	832	854	866	80.4
Cars and general shop construction and repairs by steam-railroad companies	12,086	12,816	12,776	11,171	11,568	11,434	*11,090*	11,585	11,864	12,484	12,558	12,664	13,022	85.2
Chemicals	1,847	1,765	1,769	*1,544*	1,550	1,745	1,739	1,827	2,004	2,032	2,075	2,118	1,996	72.9
Clothing, men's	2,305	*1,890*	1,973	2,044	2,148	2,139	2,279	2,371	2,486	2,407	2,626	2,636	2,661	71.0
Coke, not including gas-house coke	849	929	907	870	797	*774*	845	794	821	840	826	893	892	83.3
Confectionery and ice cream	855	*762*	775	817	840	877	905	901	923	936	880	785	859	81.4
Cooperage, hogsheads and barrels	661	537	*527*	555	605	685	744	782	733	793	778	689	554	66.5
Cotton goods	6,518	*6,072*	6,124	6,175	6,304	6,480	6,531	6,596	6,722	6,794	6,636	6,851	6,871	88.4
Dyestuffs and extracts—natural	1,002	1,015	1,010	974	*925*	1,000	1,015	1,060	1,044	1,015	1,015	983	968	87.3
Fertilizers	2,354	1,936	1,969	2,600	3,029	2,113	2,386	2,527	2,362	2,562	2,566	2,357	*1,841*	60.8
Flour-mill and gristmill products	937	904	905	905	*891*	902	900	937	971	994	992	976	967	89.6
Foundry and machine-shop products	1,706	1,888	1,785	1,734	1,655	*1,294*	1,519	1,691	1,680	1,649	1,779	1,864	1,934	66.9
Furniture	1,296	*1,133*	1,138	1,151	1,157	1,210	1,261	1,366	1,389	1,408	1,418	1,434	1,437	76.2
Glass	641	*524*	525	638	660	692	692	700	593	644	670	670	684	74.9
Ice, manufactured	969	659	*641*	724	864	1,032	1,212	1,459	1,231	1,199	1,053	822	732	43.9
Iron and steel, blast furnaces	1,081	1,748	1,604	1,508	1,309	1,106	*687*	775	807	831	867	869	861	39.3
Knit goods	1,578	1,214	*1,207*	1,249	1,417	1,437	1,606	1,759	1,789	1,806	1,804	1,831	1,817	65.9
Leather, tanned, curried, and finished	1,666	*1,494*	1,498	1,557	1,549	1,647	1,756	1,791	1,819	1,716	1,708	1,729	1,728	82.1
Lime	750	704	*684*	760	854	809	706	712	768	792	712	728	771	80.1
Lumber and timber products	15,960	13,255	*13,165*	15,280	14,553	14,292	13,832	14,172	15,009	17,533	19,768	19,580	21,081	62.4
Lumber, planing-mill products, not including planing mills connected with sawmills	2,039	*1,736*	1,789	1,796	1,878	1,987	2,044	2,136	2,182	2,201	2,218	2,269	2,232	76.5
Minerals and earths, ground or otherwise treated	752	660	*636*	679	698	741	726	847	849	851	824	795	718	74.7
Paper and wood pulp	1,951	1,919	*1,785*	1,869	1,931	1,873	1,945	1,992	2,006	2,046	2,029	2,030	1,937	87.2
Paving materials	586	429	*408*	429	611	687	689	698	673	643	626	602	537	58.5
Peanuts, grading, roasting, cleaning, and shelling	1,528	1,616	1,639	1,628	1,576	1,626	1,573	1,445	1,502	1,363	*1,060*	1,438	1,870	56.7
Printing and publishing, book and job	1,695	1,670	*1,663*	1,664	1,673	1,675	1,679	1,692	1,699	1,716	1,733	1,746	1,730	95.2
Printing and publishing, newspapers and periodicals	964	930	*921*	936	942	949	968	979	974	974	993	1,001	1,001	92.0
Shipbuilding, wooden, including boat building	1,159	1,631	1,707	1,285	1,314	1,111	1,117	1,139	1,017	932	950	*803*	902	47.0
Silk goods, including throwsters	661	629	663	670	650	634	*591*	597	681	699	689	697	732	80.7
Slaughtering and meat packing	502	569	578	532	454	459	447	443	484	520	588	*440*	510	74.8
Structural ironwork, not made in steel works or rolling mills	791	963	844	782	830	832	788	872	799	767	768	649	*598*	62.1
Tinware, not elsewhere specified	572	646	614	525	*497*	518	527	565	587	596	600	598	591	76.9
Tobacco, chewing and smoking	2,078	2,062	2,025	2,062	2,010	1,972	*1,918*	2,040	2,105	2,299	2,308	2,183	1,952	83.1
Tobacco, cigars and cigarettes	7,335	7,109	7,081	6,461	*6,319*	6,333	6,596	6,676	6,811	8,428	8,869	9,008	8,329	70.1
Trunks and valises	1,703	*1,549*	1,580	1,587	1,598	1,669	1,698	1,729	1,796	1,810	1,805	1,812	1,808	85.5
Woolen goods	630	613	611	*591*	602	604	635	638	660	631	663	659	653	89.1
All other industries	30,974	30,075	30,734	30,782	31,117	30,650	31,236	31,089	31,854	32,503	31,337	30,337	*29,924*	92.1
Industries showing large proportion of females.														
Boxes, wooden packing, except cigar boxes	450	458	457	449	488	478	471	473	*305*	459	489	417	456	62.4
Canning and preserving, fruits and vegetables	1,170	.....	*10*	11	46	40	31	335	4,389	4,625	3,899	625	29	0.2
Clothing, men's	2,050	*1,652*	1,725	1,805	1,908	1,892	2,023	2,103	2,209	2,203	2,350	2,358	2,372	69.6
Cotton goods	2,305	*2,148*	2,169	2,201	2,250	2,277	2,316	2,316	2,342	2,402	2,334	2,401	2,504	85.8
Knit goods	1,105	873	*871*	906	1,019	1,044	1,137	1,207	1,229	1,237	1,230	1,257	1,250	69.3
Peanuts, grading, roasting, cleaning, and shelling	952	1,004	1,029	1,022	997	1,041	1,022	917	946	844	*581*	834	1,187	48.9
Printing and publishing, book and job	554	550	*546*	548	*546*	552	549	559	552	553	558	564	571	95.6
Tobacco, chewing and smoking	975	948	954	1,002	970	958	917	972	972	1,049	1,077	1,025	*856*	79.5
Tobacco, cigars and cigarettes	5,049	4,863	4,870	4,455	*4,378*	4,400	4,585	4,601	4,636	5,850	6,120	6,156	5,674	71.1
Total for cities [2]	56,994	56,401	56,605	54,919	55,530	*54,808*	55,121	56,225	56,906	59,773	60,152	59,002	58,436	91.1
Males	42,015	42,454	42,424	41,127	41,655	40,866	*40,805*	41,631	42,175	43,478	43,277	42,276	42,012	93.9
Females	14,979	13,947	14,181	*13,792*	13,875	13,942	14,316	14,594	14,731	16,295	16,875	16,726	16,474	81.7
ALEXANDRIA	4,012	*3,517*	4,013	4,169	4,246	4,050	4,192	4,309	4,408	4,423	3,744	3,558	3,518	79.4
Males	3,932	3,447	3,938	4,093	4,169	3,974	4,116	4,245	4,323	4,338	3,660	3,468	*3,413*	78.7
Females	80	67	75	76	77	76	76	*64*	85	85	84	90	105	61.0
CHARLOTTESVILLE	450	*439*	440	443	442	452	445	464	465	455	456	453	446	94.4
Males	365	*354*	355	358	357	367	360	379	380	370	371	368	361	93.2
Females	85	85	85	85	85	85	85	85	85	85	85	85	85	100.0
DANVILLE	5,827	*5,644*	5,695	5,676	5,724	5,798	5,784	5,853	5,861	5,931	5,943	6,023	5,992	93.7
Males	3,640	*3,500*	3,513	3,525	3,553	3,641	3,600	3,665	3,717	3,749	3,724	3,767	3,726	92.9
Females	2,187	*2,144*	2,182	2,151	2,171	2,157	2,184	2,188	*2,144*	2,182	2,219	2,256	2,266	94.6
LYNCHBURG	4,486	*3,908*	3,949	4,137	4,157	4,259	4,477	4,546	4,672	4,856	5,020	4,926	4,925	77.8
Males	2,727	2,561	*2,553*	2,663	2,604	2,689	2,756	2,766	2,732	2,825	2,895	2,842	2,838	88.2
Females	1,759	*1,347*	1,396	1,474	1,553	1,570	1,721	1,780	1,940	2,031	2,125	2,084	2,087	63.4
NORFOLK	5,119	4,619	4,606	4,719	4,991	*4,480*	4,615	5,117	5,218	5,616	5,919	5,812	5,716	75.7
Males	3,848	3,696	3,664	3,704	3,881	*3,570*	3,492	3,917	4,015	4,024	4,169	4,121	4,123	80.8
Females	1,271	*923*	942	1,015	1,110	1,110	1,123	1,200	1,203	1,592	1,750	1,691	1,593	52.7
PETERSBURG	4,891	4,667	4,720	4,669	*4,532*	4,654	4,753	4,794	4,812	5,195	5,282	5,296	5,318	85.2
Males	3,256	*3,036*	3,128	3,070	3,044	3,112	3,217	3,220	3,259	3,448	3,521	3,524	3,493	86.2
Females	1,635	1,631	1,592	1,599	*1,488*	1,542	1,536	1,574	1,553	1,747	1,761	1,772	1,825	81.5

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

[2] Statistics for Newport News are omitted to avoid disclosure of individual operations.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

[The month of maximum employment for each industry is indicated by **bold-faced** figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
PORTSMOUTH	2,237	2,296	2,299	**2,330**	2,308	2,238	*2,111*	2,129	2,188	2,230	2,194	2,218	2,303	90.6
Males	1,947	2,035	2,045	2,069	2,005	1,941	*1,793*	1,821	1,880	1,934	1,901	1,925	2,015	86.7
Females	290	261	*254*	261	303	297	318	308	308	296	293	293	288	79.9
RICHMOND	21,759	22,827	22,366	21,822	21,523	21,050	20,926	*20,827*	20,898	22,394	**22,855**	22,096	21,524	91.1
Males	15,178	**16,296**	15,703	15,582	15,408	14,948	14,702	*14,547*	14,668	15,320	15,520	14,887	14,550	89.3
Females	6,581	6,531	6,658	6,240	6,115	*6,102*	6,224	6,280	6,230	7,074	7,335	7,209	6,974	83.2
ROANOKE	7,740	8,088	8,088	*6,499*	7,150	7,373	7,371	7,706	7,874	8,176	**8,235**	8,107	8,213	78.9
Males	6,881	7,322	7,307	*5,830*	6,398	6,583	6,533	6,821	6,946	7,209	7,251	7,127	7,245	79.6
Females	859	766	781	*669*	752	790	838	885	928	967	984	980	968	68.0
STAUNTON	473	*399*	429	455	457	454	447	480	510	497	504	513	**531**	75.1
Males	241	*207*	213	233	236	241	236	250	255	261	265	247	248	78.1
Females	232	*192*	216	222	221	213	211	230	255	236	239	266	283	67.8

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries	1919	119,352	16,072	4,492	21,688	14,126	10,422	25,150	23,951	3,451
	1914	102,820	(2)	(2)	7,205	10,569	8,495	20,172	45,181	11,198
	1909	105,676	(2)	(2)	5,415	4,752	6,607	18,934	55,820	14,148
Boxes, paper and other, not elsewhere specified	1919	631	.....	.....	66	498	52	15	.....	.....
	1914	499	.....	.....	.....	.....	280	190	29	.....
Boxes, wooden packing, except cigar boxes	1919	2,534	182	.....	3	36	137	1,297	879	.....
	1914	1,989	(2)	(2)	86	262	5	470	1,166	.....
Bread and other bakery products	1919	1,262	8	.....	637	9	159	94	244	111
	1914	1,033	(2)	(2)	82	8	105	181	587	70
Brick, sewer pipe, and draintile	1919	1,331	98	.....	228	34	374	70	527	.....
	1914	1,663	(2)	(2)	159	82	205	184	1,016	17
Canning and preserving, fruits and vegetables	1919	1,836	206	194	175	58	122	250	831	.....
	1914	1,793	(2)	(2)	430	123	43	306	876	15
Carriages and wagons, including repairs	1919	777	.....	.....	264	14	71	199	229	.....
	1914	1,066	(2)	(2)	33	209	206	158	460	.....
Cars and general shop construction and repairs by steam-railroad companies.	1919	12,086	.....	2,968	5,542	.....	1	3,544	31	.....
	1914	10,375	(2)	(2)	1,998	5,035	617	222	461	2,042
Chemicals	1919	1,847	.....	.....	808	51	15	953	20	.....
	1914	644	.....	.....	.....	.....	.....	27	7	610
Clothing, men's	1919	2,305	1,342	16	508	179	187	73	.....	.....
	1914	1,224	(2)	(2)	437	267	176	207	137	.....
Coke, not including gas-house coke	1919	849	32	.....	706	.....	.....	46	50	15
	1914	852	.....	.....	.....	.....	.....	.....	528	324
Confectionery and ice cream	1919	855	36	3	115	165	203	76	132	125
	1914	617	(2)	(2)	9	254	14	164	113	63
Cooperage, hogsheads and barrels	1919	661	4	15	18	62	23	488	51	.....
	1914	1,390	(2)	(2)	11	33	39	186	1,121	.....
Cotton goods	1919	6,518	.....	.....	.....	.....	438	5,344	736	.....
	1914	6,310	.....	.....	.....	.....	.....	60	6,250	.....
Dyestuffs and extracts—natural	1919	1,002	.....	95	125	.....	.....	.....	546	236
	1914	429	(2)	(2)	22	.....	5	100	255	47
Fertilizers	1919	2,354	13	.....	20	12	386	772	1,151	.....
	1914	2,470	(2)	(2)	33	2	88	124	1,527	696
Flour-mill and gristmill products	1919	937	17	.....	42	10	34	45	512	277
	1914	1,082	(2)	(2)	53	3	5	63	730	228
Foundry and machine-shop products [3]	1919	1,724	29	4	866	86	374	181	184	.....
	1914	963	(2)	(2)	32	23	297	181	430	.....
Furniture	1919	1,296	.....	.....	42	126	187	390	551	.....
	1914	1,221	(2)	(2)	51	30	151	173	816	.....
Glass	1919	641	.....	222	303	.....	116	.....	.....	.....
	1914	606	(2)	(2)	163	343	100	.....	.....	.....
Ice, manufactured	1919	969	2	4	22	2	48	244	227	420
	1914	714	(2)	(2)	2	.....	.....	16	150	546
Iron and steel, blast furnaces	1919	1,081	.....	.....	.....	.....	.....	.....	.....	1,081
	1914	689	.....	.....	.....	.....	.....	.....	.....	689

[1] Includes 48 and under for 1914 and 1909.

[2] Corresponding figures not available.

[3] Includes "iron and steel, welding."

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Knit goods	1919	1,578	.....	221	.....	270	699	388	.....	.....
	1914	2,272	.....	.....	.....	.....	172	1,778	308	14
Leather, tanned, curried, and finished	1919	1,666	.....	25	321	.....	339	187	794	.....
	1914	1,205	(2)	(2)	20	.....	.....	94	1,089	2
Lime	1919	750	.....	.....	95	53	38	34	530	.....
	1914	694	.....	.....	.....	14	114	5	501	60
Lumber and timber products	1919	15,960	439	117	463	1,002	678	3,092	10,139	30
	1914	22,100	(2)	(2)	1,097	1,823	161	3,846	11,763	3,410
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	2,039	16	.....	117	125	517	600	419	245
	1914	2,216	(2)	(2)	32	118	494	364	1,208	.....
Minerals and earths, ground or otherwise treated	1919	752	.....	.....	12	26	.....	13	701	.....
	1914	75	.....	.....	.....	.....	.....	13	62	.....
Paper and wood pulp	1919	1,951	.....	.....	1,559	.....	55	.....	100	237
	1914	1,260	.....	.....	.....	.....	.....	.....	286	974
Paving materials	1919	586	.....	5	36	10	30	158	347	.....
	1914	642	(2)	(2)	25	35	.....	52	530	.....
Peanuts, grading, roasting, cleaning, and shelling	1919	1,528	28	.....	5	31	2	800	662	.....
	1914	1,505	(2)	(2)	5	193	1	442	864	.....
Printing and publishing, book and job	1919	1,695	5	81	1,534	45	16	4	10	.....
	1914	1,452	(2)	(2)	546	235	603	50	18	.....
Printing and publishing, newspapers and periodicals	1919	964	45	40	642	50	69	1	48	69
	1914	969	(2)	(2)	656	68	118	33	92	2
Shipbuilding, wooden, including boat building	1919	1,159	197	.....	780	82	61	21	18	.....
	1914	447	(2)	(2)	11	1	405	7	23	.....
Silk goods, including throwsters	1919	661	99	.....	104	194	61	203	.....	.....
	1914	691	.....	.....	.....	.....	.....	396	295	.....
Slaughtering and meat packing	1914	502	.....	.....	118	.....	187	133	48	16
	1919	396	(2)	(2)	2	79	44	145	107	19
Structural ironwork, not made in steel works or rolling mills	1919	791	45	.....	11	621	.....	25	89	.....
	1914	617	.....	.....	.....	.....	80	405	132	.....
Tinware, not elsewhere specified	1919	572	.....	.....	2	345	2	30	193	.....
	1914	360	.....	.....	.....	.....	.....	326	34	.....
Tobacco, chewing and smoking	1919	2,078	55	12	212	771	507	521	.....	.....
	1914	1,695	(2)	(2)	354	240	.....	1,097	4	.....
Tobacco, cigars and cigarettes	1919	7,335	8	15	748	6,071	197	293	3	.....
	1914	4,613	(2)	(2)	100	36	1,613	1,539	1,325	.....
Trunks and valises	1919	1,703	.....	.....	4	509	894	296	.....	.....
	1914	1,174	(2)	(2)	40	.....	179	350	605	.....
Woolen goods	1919	630	.....	.....	99	.....	8	420	103	.....
	1914	431	.....	.....	.....	.....	1	151	279	.....
All other industries	1919	30,956	13,166	455	4,336	2,579	3,135	3,850	2,846	589
	1914	20,377	(2)	(2)	716	1,031	2,174	6,667	8,997	1,392
Total for cities [3]	1919	56,994	4,536	4,007	12,620	12,171	6,363	12,844	3,156	1,297
	1914	40,726	(2)	(2)	3,371	6,116	6,201	11,942	11,063	2,287
ALEXANDRIA	1919	4,012	2,733	16	904	56	81	34	171	17
	1914	1,504	(2)	(2)	172	360	610	3	268	91
CHARLOTTESVILLE	1919	450	.....	.....	259	9	114	13	43	12
DANVILLE	1919	5,827	147	.....	51	19	.....	5,365	193	52
	1914	2,691	(2)	(2)	24	174	62	616	1,790	25
LYNCHBURG	1919	4,486	825	11	1,551	244	936	314	536	69
	1914	3,474	(2)	(2)	215	150	127	1,674	1,187	121
NORFOLK	1919	5,119	379	303	1,631	811	491	996	249	259
	1914	5,263	(2)	(2)	310	417	936	1,315	2,248	291
PETERSBURG	1919	4,891	26	12	256	2,417	1,096	692	367	25
	1914	3,903	(2)	(2)	219	55	134	2,297	1,130	68
PORTSMOUTH	1919	2,237	50	.....	927	34	234	608	211	173
	1914	767	(2)	(2)	56	21	29	.....	548	113
RICHMOND	1919	21,759	214	688	5,862	7,781	3,038	2,953	719	504
	1914	17,282	(2)	(2)	2,083	1,795	4,081	5,650	3,501	172
ROANOKE	1919	7,740	162	2,977	1,112	663	246	1,849	554	177
	1914	5,496	(2)	(2)	273	3,079	159	319	271	1,395
STAUNTON	1919	473	.....	.....	67	137	127	20	113	9
	1914	346	(2)	(2)	19	65	63	68	120	11

[1] Includes 48 and under for 1914 and 1909. [2] Corresponding figures not available. [3] Statistics for Newport News are omitted to avoid disclosure of individual operations.

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																	
			No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	5,603	119,352	621	3,197	7,014	1,038	10,648	355	11,473	177	12,803	157	24,206	31	10,650	16	11,193	11	31,275
Boxes, paper and other, not elsewhere specified	16	631	1	1	1	5	83	5	146	3	242	1	159						
Boxes, wooden packing, except cigar boxes	34	2,534	1	5	16	5	63	11	417	5	408	4	661	3	969				
Bread and other bakery products	125	1,262	15	69	145	27	285	8	249	3	219	3	304						
Brick, sewer pipe, and draintile	45	1,331		8	21	18	233	13	468	4	277	2	332						
Canning and preserving, fruits and vegetables	473	1,836	56	335	855	74	694	7	200	1	87								
Carriages and wagons, including repairs	63	777	10	27	67	19	199	4	140	2	148	1	223						
Cars and general shop construction and repairs by steam-railroad companies	31	12,086		1	1	3	46	1	24	3	211	10	1,492	6	2,100	5	3,566	2	4,646
Chemicals	12	1,847		2	4	5	69	2	81			1	121			2	1,572		
Clothing, men's	28	2,305	1	1	1	7	73	4	124	9	697	5	670			1	740		
Coke, not including gas-house coke	13	849		1	2	1	13	6	210	2	145	3	479						
Confectionery and ice cream	76	855	4	44	83	15	153	8	228	5	391								
Cooperage, hogsheads and barrels	109	661	2	93	171	9	83	3	87	1	60			1	260				
Cotton goods	10	6,518								3	208	4	708	1	438	1	633	1	4,531
Dyestuffs and extracts—natural	17	1,002		4	17	2	23			7	487	4	475						
Fertilizers	43	2,354		9	40	9	119	8	313	9	626	8	1,256						
Flour-mill and gristmill products	537	937	224	284	511	24	215	4	109			1	102						
Foundry and machine-shop products	86	1,706	9	26	79	29	330	14	514	4	275	4	508						
Furniture	38	1,296	2	11	33	9	97	7	240	5	380	4	546						
Glass	4	641										4	641						
Ice, manufactured	106	969		59	148	34	365	11	288	1	58	1	110						
Iron and steel, blast furnaces	12	1,081				1	9	4	191	4	307	2	308	1	266				
Knit goods	10	1,578						1	39	2	169	6	1,081	1	289				
Leather, tanned, curried, and finished	21	1,666	3	3	3	1	11	2	58	4	282	8	1,312						
Lime	37	750	4	8	17	11	119	9	254	4	253	1	107						
Lumber and timber products	1,931	15,960	70	1,383	2,874	378	3,617	56	1,644	13	945	25	3,865	5	1,844			1	1,171
Lumber, planing-mill products, not including planing mills connected with sawmills	145	2,039	13	65	137	36	353	24	715	4	267	3	567						
Minerals and earths, ground or otherwise treated	18	752		7	19	4	56	5	163			1	103	1	411				
Paper and wood pulp	10	1,951						2	55	2	155	5	1,002			1	739		
Paving materials	24	586		5	21	7	87	8	184	3	192	1	102						
Peanuts, grading, roasting, cleaning, and shelling	28	1,528		4	9	5	54	8	235	8	593	2	288	1	349				
Printing and publishing, book and job	174	1,695	40	83	217	32	294	11	344	5	335	3	505						
Printing and publishing, newspapers and periodicals	197	964	53	111	252	20	236	11	356	2	120								
Shipbuilding, wooden, including boat building	30	1,159	1	15	27	4	56	3	108	3	191	4	777						
Silk goods, including throwsters	10	661						4	181	5	376	1	104						
Slaughtering and meat packing	25	502	2	13	29	5	56	3	116			2	301						
Structural ironwork, not made in steel works or rolling mills	7	791				3	36	1	45	1	89	1	128	1	493				
Tinware, not elsewhere specified	8	572		2	4			2	57	2	133	1	111	1	267				
Tobacco, chewing and smoking	14	2,078		2	6	1	12	1	50	5	370	3	498			2	1,142		
Tobacco, cigars and cigarettes	49	7,335	14	19	42	3	28	3	87	2	131	3	565			1	685	4	5,797
Trunks and valises	15	1,703		2	5	2	30	5	216	1	65	3	402	1	289	1	696		
Woolen goods	12	630		3	9	4	49	2	70	1	96	1	130	1	276				
All other industries	960	30,974	96	492	1,148	226	2,402	74	2,467	39	2,815	21	3,193	7	2,399	2	1,420	3	15,130
Total for cities[1]	1,255	56,994	98	505	1,286	321	3,540	161	5,251	76	5,412	60	9,333	13	4,544	11	7,523	10	20,105
ALEXANDRIA	35	4,012	1	15	31	7	103	6	165	1	56	3	466			1	523	1	2,668
CHARLOTTESVILLE	37	450	3	18	34	11	116	2	63	2	121	1	116						
DANVILLE	44	5,827	3	12	31	14	147	8	267	3	216	2	347	1	280			1	4,530
LYNCHBURG	65	4,486	2	18	45	19	227	9	325	4	286	7	1,011	5	1,852	1	740		
NORFOLK	207	5,119	14	66	198	69	701	34	1,091	14	1,039	8	1,316	2	714				
PETERSBURG	116	4,891	3	41	104	31	322	26	816	8	623	3	373	1	289	2	1,332	1	1,032
PORTSMOUTH	48	2,237	4	12	30	12	113	13	440	2	138	3	423	1	260	1	833		
RICHMOND	550	21,759	59	250	645	116	1,267	50	1,665	35	2,421	28	4,578	2	647	5	3,308	5	7,228
ROANOKE	99	7,740	2	43	105	29	333	11	363	6	446	4	566	1	493	1	737	2	4,647
STAUNTON	54	473	7	30	63	13	151	2	56	1	66	1	137						

[1] Statistics for Newport News are omitted to avoid disclosure of individual operations.

TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	5,603	5,508	5,685	119,352	102,820	105,676	$643,511,621	$264,039,041	$219,793,858	$271,970,788	$108,719,465	$94,211,171
Less than $5,000	1,826	2,529	2,581	1,976	5,838	7,176	4,434,738	5,823,235	5,936,118	2,783,670	3,686,067	3,859,930
$5,000 to $20,000	1,874	1,763	1,917	6,989	12,694	15,254	19,268,925	17,850,020	19,134,920	11,027,310	9,809,703	11,171,420
$20,000 to $100,000	1,149	796	805	12,737	16,590	19,134	48,626,945	35,176,305	34,233,401	22,282,512	15,886,860	16,900,075
$100,000 to $500,000	536	320	356	25,943	39,113	41,497	122,011,365	67,571,776	101,364,437	50,483,391	41,903,961	38,289,549
$500,000 to $1,000,000	118	63		15,985			83,697,368	42,544,176		37,248,534		
$1,000,000 and over	100	37	26	55,722	28,585	22,615	365,472,280	95,073,529	59,124,982	148,145,371	37,432,874	23,990,197
	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	32.6	45.9	45.4	1.6	5.7	6.8	0.7	2.2	2.7	1.0	3.4	4.1
$5,000 to $20,000	33.4	32.0	33.7	5.9	12.3	14.4	3.0	6.8	8.7	4.0	9.0	11.9
$20,000 to $100,000	20.5	14.5	14.2	10.7	16.1	18.1	7.6	13.3	15.6	8.2	14.6	17.9
$100,000 to $500,000	9.6	5.8	6.3	21.7	38.0	39.3	19.0	25.6	46.1	18.6	38.5	40.6
$500,000 to $1,000,000	2.1	1.1		13.4			13.0	16.1		13.7		
$1,000,000 and over	1.8	0.6	0.4	46.7	27.8	21.4	56.8	36.0	26.9	54.5	34.4	25.5

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.	
			1919	1914			1919	1914			1919	1914			1919	1914
BREAD AND OTHER BAKERY PRODUCTS	125	140	100.0	100.0	1,262	1,033	100.0	100.0	$11,002,219	$3,697,279	100.0	100.0	$3,982,685	$1,509,690	100.0	100.0
Less than $5,000	21	51	16.8	36.4	9	45	0.7	4.4	51,596	125,656	0.5	3.4	23,277	53,668	0.6	3.6
$5,000 to $20,000	42	54	33.6	38.6	69	182	5.5	17.6	458,184	530,424	4.2	14.3	175,274	229,598	4.4	15.2
$20,000 to $100,000	41	25	32.8	17.9	254	297	20.1	28.8	1,926,861	1,080,998	17.5	29.5	622,093	389,728	15.6	25.8
$100,000 to $500,000	16	10	12.8	7.1	433	509	34.3	49.3	3,473,817	1,951,201	31.6	52.8	1,202,739	836,696	30.2	55.4
$500,000 and over	5	.....	4.0	.....	497	.....	39.4	.....	5,091,761	.....	46.3	.....	1,959,302	.....	49.2	.....
CANNING AND PRESERVING, FRUITS AND VEGETABLES	473	412	100.0	100.0	1,836	1,793	100.0	100.0	4,427,441	1,773,766	100.0	100.0	1,280,555	493,457	100.0	100.0
Less than $5,000	229	319	48.4	77.4	381	788	20.8	43.9	562,052	611,211	12.7	34.5	187,594	168,529	14.6	34.2
$5,000 to $20,000	190	80	40.2	19.4	779	646	42.4	36.0	1,837,607	730,532	41.5	41.2	545,555	197,461	42.6	40.0
$20,000 to $500,000	54	13	11.4	3.2	676	359	36.8	20.0	2,027,782	432,023	45.8	24.4	547,406	127,467	42.7	25.8
CONFECTIONERY AND ICE CREAM	76	66	100.0	100.0	855	617	100.0	100.0	6,691,649	2,712,845	100.0	100.0	[3] 2,681,454	881,202	100.0	100.0
Less than $5,000	15	25	19.7	37.9	10	24	1.2	3.9	41,510	52,095	0.6	1.9	21,523	26,627	0.8	3.0
$5,000 to $20,000	24	21	31.6	31.8	45	63	5.3	10.2	233,886	236,966	3.5	8.7	88,362	99,834	3.3	11.3
$20,000 to $100,000	18	12	23.7	18.2	100	106	11.7	17.2	806,410	470,179	12.1	17.3	303,540	155,319	11.3	17.6
$100,000 and over	19	8	25.0	12.1	700	424	81.9	68.7	5,609,843	1,953,605	83.8	72.0	2,268,029	599,422	84.6	68.0
FERTILIZERS	43	57	100.0	100.0	2,354	2,470	100.0	100.0	22,891,353	11,350,120	100.0	100.0	8,693,159	3,354,199	100.0	100.0
Less than $5,000	.....	3	.....	5.3	.....	2	.....	0.1	.....	8,603	.....	0.1	.....	3,514	.....	0.1
$5,000 to $20,000	.....	3	.....	5.3	.....	23	.....	0.9	.....	27,146	.....	0.2	.....	14,217	.....	0.4
$20,000 to $100,000	[1] 9	24	20.9	42.1	[1] 88	531	3.7	21.5	[1] 486,387	1,332,866	2.1	11.7	[1] 193,356	416,469	2.2	12.4
$100,000 to $500,000	21	21	48.8	36.8	676	[2] 1,914	28.7	77.5	5,024,509	4,440,992	21.9	39.1	1,704,448	[2] 2,919,999	19.6	87.1
$500,000 to $1,000,000	7	[3] 6	16.3	10.5	677	.....	28.8	.....	5,023,954	[3] 5,540,513	21.9	48.8	2,223,054	.....	25.6	.....
$1,000,000 and over	6	.....	14.0	.....	913	.....	38.8	.....	12,356,503	.....	54.0	.....	4,572,301	.....	52.6	.....
FLOUR-MILL AND GRISTMILL PRODUCTS	537	533	100.0	100.0	937	1,082	100.0	100.0	36,154,105	18,084,413	100.0	100.0	5,226,263	2,694,903	100.0	100.0
Less than $5,000	96	114	17.9	21.4	13	62	1.4	5.7	244,944	355,121	0.7	2.0	59,977	90,539	1.1	3.4
$5,000 to $20,000	176	254	32.8	47.7	63	273	6.7	25.2	2,070,827	2,867,616	5.7	15.9	446,303	600,656	8.5	22.3
$20,000 to $100,000	201	131	37.4	24.6	300	373	32.0	34.5	8,536,303	5,334,118	23.6	29.5	1,505,549	920,883	28.8	34.2
$100,000 to $500,000	57	30	10.6	5.6	320	[4] 374	34.2	34.6	11,921,881	5,472,712	33.0	30.3	1,494,864	[4] 1,082,825	28.6	40.1
$500,000 and over	7	4	1.3	0.8	241	.....	25.7	.....	13,380,150	4,054,846	37.0	22.4	1,719,570	.....	32.9	.....
FOUNDRY AND MACHINE-SHOP PRODUCTS [5]	94	83	100.0	100.0	1,724	963	100.0	100.0	6,406,254	1,654,510	100.0	100.0	4,298,572	997,747	100.0	100.0
Less than $5,000	19	27	20.2	32.5	12	42	0.7	4.4	49,469	63,259	0.8	3.8	37,661	44,636	0.9	4.5
$5,000 to $20,000	24	25	25.5	30.2	91	168	5.3	17.4	250,326	272,694	3.9	16.5	174,105	183,828	4.1	18.4
$20,000 to $100,000	35	[6] 31	37.2	37.3	506	[6] 753	29.4	78.2	1,579,109	[6] 1,318,557	24.6	79.7	993,077	[6] 769,283	23.1	77.1
$100,000 to $1,000,000	16	.....	17.0	.....	1,115	.....	64.7	.....	4,527,350	.....	70.7	.....	3,093,729	.....	72.0	.....
FURNITURE	88	38	100.0	100.0	1,296	1,221	100.0	100.0	5,042,925	2,085,442	100.0	100.0	2,494,629	1,005,784	100.0	100.0
Less than $5,000	7	12	18.4	31.6	13	18	1.0	1.5	22,335	20,977	0.4	1.0	15,704	15,936	0.6	1.6
$5,000 to $20,000	8	9	21.1	23.7	51	55	3.9	4.5	104,006	154,580	2.1	7.4	67,555	119,931	2.7	11.9
$20,000 to $100,000	9	9	23.7	23.7	120	365	9.3	29.9	415,696	479,143	8.2	23.0	227,714	199,243	9.1	19.8
$100,000 to $1,000,000	14	8	36.8	21.1	1,112	783	85.8	64.1	4,500,888	1,430,742	89.2	68.6	2,183,656	670,674	87.5	66.7
LUMBER AND TIMBER PRODUCTS	1,931	2,031	100.0	100.0	15,960	22,100	100.0	100.0	35,388,875	22,938,189	100.0	100.0	24,723,919	15,704,425	100.0	100.0
Less than $5,000	884	1,227	45.8	60.4	1,058	3,591	6.6	16.2	2,034,108	2,795,723	5.7	12.2	1,549,623	2,140,521	6.3	13.6
$5,000 to $20,000	784	659	40.6	32.4	3,743	7,114	23.5	32.2	7,819,234	6,303,815	22.1	27.5	5,820,676	4,490,837	23.5	28.6
$20,000 to $100,000	216	120	11.2	5.9	3,351	4,039	21.0	18.3	7,458,058	4,683,536	21.1	20.4	5,182,129	3,079,765	21.0	19.6
$100,000 to $500,000	37	18	1.9	0.9	4,004	[7] 7,356	25.1	33.3	8,479,457	4,256,201	24.0	18.6	5,563,336	[4] 5,993,302	22.5	38.2
$500,000 and over	10	7	0.5	0.3	3,804	.....	23.8	.....	9,597,118	4,898,914	27.1	21.4	6,608,155	.....	26.7	.....

[1] Includes the group "$5,000 to $20,000."
[2] Includes the groups "$500,000 to $1,000,000" and "$1,000,000 and over."
[3] Includes the group "$1,000,000 and over."
[4] Includes the group "$500,000 and over."
[5] Includes "iron and steel, welding."
[6] Includes the group "$100,000 to $1,000,000."

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914—Continued.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS	145	164	100.0	100.0	2,039	2,216	100.0	100.0	$11,773,016	$5,688,874	100.0	100.0	$4,129,198	$1,990,587	100.0	100.0
Less than $5,000	40	48	27.6	29.3	23	140	1.1	6.3	79,343	102,500	0.7	1.8	39,070	63,924	0.9	3.2
$5,000 to $20,000	30	51	20.7	31.1	107	343	5.2	15.5	307,049	539,721	2.6	9.5	160,422	248,626	3.9	12.5
$20,000 to $100,000	43	50	29.7	30.5	436	802	21.4	36.2	1,991,215	2,410,011	16.9	42.4	567,274	867,056	13.7	43.6
$100,000 to $500,000	28	15	19.3	9.1	900	931	44.1	42.0	6,524,390	2,636,642	55.4	46.4	2,275,675	810,981	55.1	40.7
$500,000 to $1,000,000	4	.....	2.8	.....	573	.....	28.1	.....	2,871,019	.....	24.4	.....	1,086,757	.....	26.3	.....
PEANUTS, GRADING, ROASTING, CLEANING, AND SHELLING	28	25	100.0	100.0	1,528	1,505	100.0	100.0	23,162,211	10,981,159	100.0	100.0	3,112,841	1,463,083	100.0	100.0
$5,000 to $20,000	3	.....	10.7	.....	11	.....	0.7	.....	28,398	.....	0.1	.....	14,650	.....	0.5	.....
$20,000 to $100,000	3	[1] 6	10.7	24.0	16	[1] 52	1.0	3.5	174,678	[1] 235,224	0.8	2.1	37,014	[1] 48,788	1.2	3.3
$100,000 to $500,000	8	11	28.6	44.0	173	[2] 971	11.3	64.5	2,378,068	3,084,819	10.3	28.1	297,891	[2] 829,079	9.6	56.7
$500,000 to $1,000,000	5	5	17.9	20.0	214	.....	14.0	.....	3,522,718	3,681,476	15.2	33.5	423,468	.....	13.6	.....
$1,000,000 and over	9	3	32.1	12.0	1,114	482	72.9	32.0	17,058,349	3,979,640	73.6	36.2	2,339,818	585,216	75.2	40.0
PRINTING AND PUBLISHING, BOOK AND JOB	174	165	100.0	100.0	1,695	1,452	100.0	100.0	7,028,143	3,402,181	100.0	100.0	4,609,670	2,214,504	100.0	100.0
Less than $5,000	61	68	35.1	41.2	39	119	2.3	8.2	140,421	203,811	2.0	6.0	93,552	141,797	2.0	6.4
$5,000 to $20,000	56	70	32.2	42.4	171	317	10.1	21.8	560,593	566,678	8.1	16.7	375,768	384,861	8.2	17.4
$20,000 to $100,000	41	17	23.6	10.3	474	334	28.0	23.0	1,715,133	716,654	24.4	21.1	1,136,339	484,080	24.7	21.9
$100,000 to $1,000,000	16	10	9.2	6.1	1,011	682	59.6	47.0	4,611,996	1,915,038	65.6	56.3	3,004,011	1,203,766	65.2	54.4
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS	197	218	100.0	100.0	964	969	100.0	100.0	5,997,572	3,094,585	100.0	100.0	3,913,320	2,469,163	100.0	100.0
Less than $5,000	98	141	49.7	64.7	99	236	10.3	24.4	265,503	337,536	4.4	10.9	200,387	272,543	5.1	11.0
$5,000 to $20,000	64	56	32.5	25.7	207	242	21.5	25.0	586,737	492,692	9.8	15.9	442,555	406,342	11.3	16.5
$20,000 to $100,000	22	11	11.2	5.0	223	145	23.1	15.0	824,956	397,121	13.8	12.8	567,608	313,604	14.5	12.7
$100,000 to $1,000,000	13	10	6.6	4.6	435	346	45.1	35.7	4,320,376	1,867,236	72.0	60.3	2,702,770	1,476,674	69.1	59.8
SLAUGHTERING AND MEAT PACKING	25	21	100.0	100.0	502	396	100.0	100.0	7,589,320	4,362,272	100.0	100.0	1,361,753	636,798	100.0	100.0
Less than $20,000	8	6	32.0	28.6	10	9	2.0	2.3	60,446	73,252	0.8	1.7	20,976	20,257	1.5	3.2
$20,000 to $100,000	7	8	28.0	38.1	31	32	6.2	8.1	324,022	372,747	4.3	8.5	54,142	76,724	4.0	12.0
$100,000 and over	10	7	40.0	33.3	461	355	91.8	89.6	7,204,852	3,916,273	94.9	89.8	1,286,635	539,817	94.5	84.8
TOBACCO, CIGARS AND CIGARETTES	49	62	100.0	100.0	7,335	4,613	100.0	100.0	63,273,138	21,330,634	100.0	100.0	26,799,364	13,710,148	100.0	100.0
Less than $5,000	24	28	49.0	45.2	16	24	0.2	0.5	55,386	55,835	0.1	0.3	31,178	34,192	0.1	0.2
$5,000 to $20,000	10	24	20.4	38.7	47	127	0.6	2.8	126,214	228,843	0.2	1.1	57,904	140,094	0.2	1.0
$20,000 to $100,000	4	4	8.2	6.5	53	92	0.7	2.0	106,339	157,827	0.2	0.7	60,543	95,390	0.2	0.7
$100,000 to $1,000,000	6	3	12.2	4.8	737	547	10.0	11.9	2,380,352	1,420,219	3.8	6.7	914,687	894,880	3.4	6.5
$1,000,000 and over	5	3	10.2	4.8	6,482	3,823	88.4	82.9	60,604,847	19,467,910	95.8	91.3	25,735,052	12,545,592	96.0	91.5

[1] Includes the group "$5,000 to $20,000."

[2] Includes the group "$500,000 to $1,000,000."

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Per cent of total.	VALUE OF PRODUCTS. Amount.	VALUE OF PRODUCTS. Per cent of total.	VALUE ADDED BY MANUFACTURE. Amount.	VALUE ADDED BY MANUFACTURE. Per cent of total.
ALEXANDRIA	35	4,012	100.0	$16,908,023	100.0	$9,125,775	100.0
Less than $5,000	7	6	0.1	19,649	0.1	12,837	0.1
$5,000 to $20,000	4	15	0.4	35,246	0.2	18,312	0.2
$20,000 to $100,000	11	142	3.5	500,410	3.0	209,026	2.3
$100,000 and over	13	3,849	95.9	16,352,718	96.7	8,885,600	97.4
CHARLOTTESVILLE	37	450	100.0	1,923,944	100.0	895,375	100.0
Less than $5,000	9	11	2.4	29,005	1.5	19,435	2.2
$5,000 to $20,000	11	27	6.0	122,975	6.4	61,564	6.9
$20,000 to $100,000	12	219	48.7	674,633	35.1	331,862	37.1
$100,000 to $500,000	5	193	42.9	1,097,331	57.0	482,514	53.9
DANVILLE	44	5,827	100.0	30,183,494	100.0	13,892,714	100.0
Less than $5,000	4	1	(1)	9,317	(1)	4,780	(1)
$5,000 to $20,000	8	21	0.4	90,862	0.3	41,243	0.3
$20,000 to $100,000	18	221	3.8	921,695	3.1	499,227	3.6
$100,000 and over	14	5,584	95.8	29,161,620	96.6	13,347,464	96.1
LYNCHBURG	65	4,436	100.0	27,449,656	100.0	11,366,618	100.0
Less than $5,000	7	6	0.1	23,408	0.1	13,828	0.1
$5,000 to $20,000	7	19	0.4	69,719	0.3	34,694	0.3
$20,000 to $100,000	19	186	4.1	1,013,842	3.7	473,255	4.2
$100,000 to $500,000	19	793	17.7	3,841,943	14.0	1,870,788	16.5
$500,000 to $1,000,000	6	1,044	23.3	4,429,761	16.1	1,799,734	15.8
$1,000,000 and over	7	2,438	54.3	18,070,983	65.8	7,174,319	63.1
NORFOLK	207	5,119	100.0	29,587,662	100.0	13,966,139	100.0
Less than $5,000	20	10	0.2	48,372	0.2	30,362	0.2
$5,000 to $20,000	43	139	2.7	488,794	1.7	291,821	2.1
$20,000 to $100,000	68	672	13.1	2,987,268	10.1	1,542,597	11.0
$100,000 to $500,000	62	2,312	45.2	14,147,993	47.8	6,095,076	43.6
$500,000 to $1,000,000	10	1,202	23.5	6,596,953	22.3	3,486,240	25.0
$1,000,000 and over	4	784	15.3	5,318,287	18.0	2,520,043	18.0
PETERSBURG	116	4,891	100.0	$26,440,199	100.0	$8,142,557	100.0
Less than $5,000	9	10	0.2	25,905	0.1	19,491	0.2
$5,000 to $20,000	29	83	1.7	322,015	1.2	199,030	2.5
$20,000 to $100,000	40	503	10.3	1,773,227	6.7	935,434	11.5
$100,000 to $500,000	29	1,239	25.3	6,697,227	25.3	1,968,180	24.1
$500,000 to $1,000,000	3	249	5.1	2,072,393	7.8	949,053	11.7
$1,000,000 and over	6	2,807	57.4	15,549,432	58.8	4,070,469	50.0
PORTSMOUTH	48	2,237	100.0	9,376,179	100.0	4,300,209	100.0
Less than $5,000	5	3	0.1	9,330	0.1	4,996	0.1
$5,000 to $20,000	10	32	1.4	131,322	1.4	55,693	1.3
$20,000 to $100,000	14	159	7.1	718,375	7.7	381,396	8.9
$100,000 to $500,000	15	856	38.2	3,469,133	37.0	1,365,699	31.8
$500,000 and over	4	1,187	53.1	5,048,019	53.8	2,492,425	58.0
RICHMOND	550	21,759	100.0	156,724,322	100.0	67,280,390	100.0
Less than $5,000	109	89	0.4	316,184	0.2	223,329	0.3
$5,000 to $20,000	157	514	2.4	1,622,746	1.0	1,055,843	1.6
$20,000 to $100,000	149	1,594	7.3	6,889,912	4.4	3,606,088	5.4
$100,000 to $500,000	83	4,007	18.4	19,406,465	12.4	8,786,139	13.1
$500,000 to $1,000,000	31	3,683	16.9	22,204,893	14.2	10,191,878	15.1
$1,000,000 and over	21	11,872	54.6	106,194,122	67.8	43,417,113	64.5
ROANOKE	99	7,740	100.0	34,864,211	100.0	19,314,295	100.0
Less than $5,000	12	12	0.2	36,700	0.1	24,474	0.1
$5,000 to $20,000	28	93	1.2	353,856	1.0	190,176	1.0
$20,000 to $100,000	29	271	3.5	1,377,050	3.9	691,399	3.6
$100,000 to $500,000	22	1,071	13.8	5,388,987	15.5	2,231,047	11.5
$500,000 and over	8	6,293	81.3	27,707,618	79.5	16,177,199	83.8
STAUNTON	54	473	100.0	2,566,548	100.0	662,581	100.0
Less than $5,000	18	17	3.6	47,719	1.9	26,763	4.0
$5,000 to $20,000	19	73	15.4	234,062	9.1	114,396	17.3
$20,000 and over	17	383	81.0	2,284,767	89.0	521,422	78.7

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

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

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— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.	Total.	Of establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.
All industries	1919	2,937	1,379	1,287	119,352	10,801	101,457	7,094	9.0	85.0	5.9	$643,511,621	$42,956,484	$560,599,058	$39,955,479	6.7	87.1	6.2
	1914	3,065	1,162	1,281	102,820	16,598	77,015	9,207	16.1	74.9	8.9	264,039,041	28,657,424	212,653,891	22,727,726	10.9	80.5	8.6
	1909	3,061	1,099	1,525	105,676	19,132	72,865	13,679	18.1	69.0	12.9	219,793,858	29,961,088	163,892,508	25,940,262	13.6	74.6	11.8
Bread and other bakery products.	1919	79	27	19	1,262	342	817	103	27.1	64.7	8.2	11,002,219	3,188,287	7,046,826	767,106	29.0	64.0	7.0
	1914	101	18	21	1,033	362	578	93	35.0	56.0	9.0	3,697,279	1,162,252	2,209,138	325,889	31.4	59.8	8.8
Canning and preserving, fruits and vegetables.	1919	250	33	190	1,836	835	259	742	45.5	14.1	40.4	4,427,441	2,039,835	660,212	1,727,394	46.1	14.9	39.0
	1914	215	22	175	1,793	782	285	726	43.6	15.9	40.5	1,773,766	745,511	266,109	762,146	42.0	15.0	43.0
Cars and general shop construction and repairs by steam-railroad companies.	1919	.....	31	.....	12,086	.....	12,086	.....	.....	100.0	.....	32,777,078	.....	32,777,078	.....	.....	100.0	.....
	1914	.....	32	.....	10,375	.....	10,375	.....	.....	100.0	.....	18,216,056	.....	18,216,056	.....	.....	100.0	.....
Clothing, men's	1919	3	20	5	2,305	23	2,051	231	1.0	89.0	10.0	11,810,100	70,400	10,665,983	1,073,717	0.6	90.3	9.1
	1914	7	16	6	1,224	58	838	328	4.7	68.5	26.8	2,673,734	89,590	2,030,207	553,937	3.4	75.9	20.7
Confectionery and ice-cream.	1919	37	31	8	855	122	720	13	14.3	84.2	1.5	6,691,649	726,648	5,839,962	125,039	10.9	87.3	1.9
	1914	31	23	12	617	87	494	36	14.1	80.1	5.8	2,712,845	378,316	2,162,680	171,849	13.9	79.7	6.3
Cotton goods	1919	.....	10	.....	6,518	.....	6,518	.....	.....	100.0	.....	32,534,934	.....	32,534,934	.....	.....	100.0	.....
	1914	.....	9	.....	6,310	.....	6,310	.....	.....	100.0	.....	10,216,185	.....	10,216,185	.....	.....	100.0	.....
Fertilizers	1919	1	40	2	2,354	.....	2,324	[1] 30	.....	98.7	1.3	22,891,353	.....	22,482,233	[1] 409,120	.....	98.2	1.8
	1914	4	51	2	2,470	.....	2,367	[1] 103	.....	95.8	4.2	11,350,120	.....	10,573,747	[1] 776,373	.....	93.2	6.8
Flour-mill and gristmill products.	1919	207	67	173	937	249	333	355	26.6	35.5	37.9	36,154,105	7,803,717	13,389,614	14,960,774	21.6	37.0	41.4
	1914	327	58	148	1,082	422	306	354	39.0	28.3	32.7	18,084,413	5,792,360	5,294,456	6,997,597	32.0	29.3	38.7
Foundry and machine-shop products.[2]	1919	49	31	14	1,724	209	1,388	127	12.1	80.5	7.4	6,406,254	682,944	5,137,732	585,578	10.7	80.2	9.1
	1914	39	28	16	963	205	582	176	21.3	60.4	18.3	1,654,510	324,650	979,657	350,203	19.6	59.2	21.2
Ice, manufactured	1919	30	65	11	969	150	748	71	15.5	77.2	7.3	3,964,639	527,466	3,097,394	339,779	13.3	78.1	8.6
	1914	27	49	11	714	166	491	57	23.2	68.8	8.0	1,795,645	286,187	1,384,256	125,202	15.9	77.1	7.0
Leather, tanned, curried, and finished.	1919	6	15	.....	1,666	3	1,663	.....	0.2	99.8	.....	21,590,902	9,390	21,581,512	.....	(3)	100.0	.....
	1914	4	13	4	1,205	4	1,060	141	0.3	88.0	11.7	9,834,439	5,378	8,472,385	1,356,676	0.1	86.2	13.8
Lumber and timber products.	1919	1,325	123	483	15,960	4,980	8,554	2,426	31.2	53.6	15.2	35,388,875	10,456,665	19,752,296	5,179,914	29.5	55.8	14.6
	1914	1,439	93	499	22,100	9,273	9,041	3,786	42.0	40.9	17.1	22,938,189	8,271,719	11,058,789	3,607,681	36.1	48.2	15.7
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	64	54	27	2,039	237	1,618	184	11.6	79.4	9.0	11,773,016	1,324,059	9,050,733	1,398,224	11.2	76.9	11.9
	1914	66	55	43	2,216	324	1,489	403	14.6	67.2	18.2	5,688,874	733,296	3,879,124	1,076,454	12.9	68.2	18.9
Peanuts, grading, roasting, cleaning, and shelling.	1919	5	22	1	1,528	.....	1,419	[1] 109	.....	92.9	7.1	23,162,211	.....	21,097,063	[1] 2,065,148	.....	91.1	8.9
	1914	5	19	1	1,505	.....	1,412	[1] 93	.....	93.8	6.2	10,981,159	.....	9,952,585	[1] 1,028,574	.....	90.6	9.4
Printing and publishing, book and job.	1919	104	47	23	1,695	278	1,152	265	16.4	68.0	15.6	7,028,143	1,128,603	4,754,664	1,144,876	16.1	67.7	16.3
	1914	95	30	31	1,452	329	803	320	22.7	55.3	22.0	3,402,181	601,022	2,112,113	689,046	17.7	62.1	20.3
Printing and publishing, newspapers and periodicals.	1919	98	60	39	964	251	632	81	26.0	65.6	8.4	5,997,572	885,036	4,642,086	470,450	14.8	77.4	7.8
	1914	110	59	40	969	380	518	71	39.2	53.5	7.3	3,094,585	797,872	2,143,664	153,049	25.8	69.3	4.9
Shipbuilding, wooden, including boat building.	1919	13	9	8	1,159	114	1,007	38	9.8	86.9	3.3	4,582,130	310,260	4,172,479	99,391	6.8	91.1	2.2
	1914	16	6	6	447	74	338	35	16.6	75.6	7.8	448,180	85,999	321,935	40,246	19.2	71.8	9.0
Slaughtering and meat packing.	1919	5	11	9	502	18	456	28	3.6	90.8	5.6	7,589,320	443,640	6,814,384	331,296	5.8	89.8	4.4
	1914	6	9	6	396	91	263	42	23.0	66.4	10.6	4,362,272	670,060	3,168,804	523,408	15.4	72.6	12.0
Tobacco, chewing and smoking.	1919	.....	11	3	2,078	.....	1,961	117	.....	94.4	5.6	15,076,671	.....	14,660,653	416,018	.....	97.2	2.8
	1914	4	9	1	1,695	.....	1,610	[1] 85	.....	95.0	5.0	8,765,179	.....	8,570,798	[1] 194,381	.....	97.8	2.2
Tobacco, cigars and cigarettes.	1919	30	11	8	7,335	53	7,174	108	0.7	97.8	1.5	63,273,138	179,068	62,786,886	307,184	0.3	99.2	0.5
	1914	38	9	15	4,613	100	4,394	119	2.2	95.3	2.6	21,330,634	216,896	20,934,494	179,244	1.0	98.1	0.8
Total for cities [4]	1919	471	583	201	56,994	2,863	51,960	2,171	5.0	91.2	3.8	336,024,238	16,089,249	301,312,787	18,622,202	4.8	89.7	5.5
	1914	417	474	196	40,726	3,121	35,238	2,367	7.7	86.5	5.8	127,709,459	8,645,116	110,140,428	8,923,915	6.8	86.2	7.0
ALEXANDRIA	1919	11	18	6	4,012	36	3,950	26	0.9	98.5	0.6	16,908,023	677,863	16,056,307	173,853	4.0	95.0	1.0
	1914	18	20	11	1,504	56	1,335	113	3.7	88.8	7.5	3,660,291	233,326	3,149,661	277,304	6.4	86.0	7.6
CHARLOTTESVILLE	1919	17	11	9	450	58	348	44	12.9	77.3	9.8	1,923,944	245,408	1,125,850	552,686	12.8	58.5	28.7
DANVILLE	1919	20	20	4	5,827	126	5,618	83	2.2	96.4	1.4	30,183,494	696,183	29,204,038	283,273	2.3	96.8	0.9
	1914	14	21	8	2,601	93	2,465	133	3.5	91.6	4.9	5,558,431	195,698	5,021,151	341,582	3.5	90.3	6.1
LYNCHBURG	1919	14	49	2	4,486	[5] 96	4,390	.....	2.1	97.9	.....	27,449,656	[5] 462,977	26,986,679	.....	1.7	98.3	.....
	1914	26	38	9	3,474	156	3,229	89	4.5	92.9	2.6	9,918,779	449,400	9,123,573	345,806	4.5	92.0	3.5
NORFOLK	1919	70	99	38	5,119	796	3,825	498	15.5	74.7	9.7	29,587,662	4,788,202	21,409,816	3,389,644	16.2	72.4	11.5
	1914	72	95	42	5,263	801	4,045	417	15.2	76.9	7.9	13,710,487	1,662,742	10,953,624	1,094,121	12.1	79.9	8.0
PETERSBURG	1919	39	61	16	4,891	344	4,412	135	7.0	90.2	2.8	26,440,199	1,794,228	24,049,803	596,168	6.8	91.0	2.3
	1914	31	44	12	3,903	258	3,460	185	6.6	88.6	4.7	12,609,943	1,649,427	10,572,027	388,489	13.1	83.8	3.1
PORTSMOUTH	1919	10	23	6	2,237	99	2,057	81	4.4	92.0	3.6	9,376,179	580,461	8,374,219	421,499	6.2	89.3	4.5
	1914	27	9	6	767	520	204	34	69.0	26.6	4.4	1,730,657	953,324	659,746	117,587	55.1	38.1	6.8
RICHMOND	1919	235	225	90	21,759	1,169	19,587	1,003	5.4	90.0	4.6	156,724,322	6,224,057	139,617,932	10,882,333	4.0	89.1	6.9
	1914	188	107	81	17,282	1,091	15,057	1,134	6.3	87.1	6.6	62,490,667	3,126,181	54,376,802	4,987,684	5.0	87.0	8.0
ROANOKE	1919	22	63	14	7,740	75	7,547	118	1.0	97.5	1.5	34,864,211	294,147	34,041,376	528,688	0.8	97.6	1.5
	1914	20	39	14	5,406	49	5,366	81	0.9	97.6	1.5	16,581,988	156,608	16,112,240	313,140	0.9	97.2	1.9
STAUNTON	1919	24	14	16	473	64	226	183	13.5	47.8	38.7	2,566,548	325,723	446,767	1,794,058	12.7	17.4	69.9
	1914	21	11	13	346	88	77	181	25.4	22.3	52.3	1,448,216	218,410	171,604	1,058,202	15.1	11.8	73.1

[1] Includes the group "Individuals."
[2] Includes "iron and steel, welding."
[3] Less than one-tenth of 1 per cent.
[4] Statistics for Newport News are omitted to avoid disclosure of individual operations.
[5] Includes the group "All others."

TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Census year.	Aggregate.	Cities having a population of 10,000 or over.								The state outside of cities having a population of 10,000 or over.[1]	
			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	1919	.....	10	.....	4	.....	4	.....	2	.....	.....	.....
	1914	.....	9	.....	3	.....	5	.....	1	.....	.....	.....
	1909	.....	9	.....	4	.....	4	.....	1	.....	.....	.....
Population [2]	1920	2,309,187	514,665	22.3	60,910	2.6	166,311	7.2	287,444	12.4	1,794,522	77.7
	1915	2,150,009	403,225	18.8	46,683	2.2	221,625	10.3	134,917	6.3	1,746,784	81.2
	1910	2,061,612	361,718	17.5	69,080	3.3	165,010	8.0	127,628	6.2	1,699,894	82.5
Number of establishments	1919	5,603	1,255	22.4	170	3.0	328	5.9	757	13.5	4,348	77.6
	1914	5,508	1,087	19.7	137	2.5	484	8.8	466	8.5	4,421	80.3
	1909	5,685	992	17.4	222	3.9	390	6.9	380	6.7	4,693	82.6
Average number of wage earners	1919	119,352	56,994	47.8	10,762	9.0	19,354	16.2	26,878	22.5	62,358	52.2
	1914	102,820	40,726	39.6	4,541	4.4	18,903	18.4	17,282	16.8	62,094	60.4
	1909	105,676	36,782	34.8	8,772	8.3	13,161	12.4	14,849	14.1	68,894	65.2
Value of products	1919	$643,511,621	$336,024,238	52.2	$51,582,009	8.0	$98,130,245	15.2	$186,311,984	29.0	$307,487,383	47.8
	1914	264,039,041	127,709,459	48.4	10,666,938	4.0	54,551,854	20.7	62,490,667	23.7	136,329,582	51.6
	1909	219,793,858	96,603,688	44.0	19,927,390	9.1	29,318,313	13.3	47,357,985	21.5	123,190,170	56.0
Value added by manufacture	1919	271,970,788	148,946,653	54.8	24,576,445	9.0	43,123,679	15.9	81,246,529	29.9	123,024,135	45.2
	1914	108,719,465	56,451,854	51.9	4,407,431	4.1	20,112,558	18.5	31,931,865	29.4	52,267,611	48.1
	1909	94,211,171	42,959,778	45.6	7,304,958	7.8	12,548,970	13.3	23,105,850	24.5	51,251,393	54.4

[1] Includes statistics for Newport News, to avoid disclosure of individual operations.
[2] Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.

TABLE 16.—COMPARATIVE SUMMARY, BRISTOL, VA., AND BRISTOL, TENN.: 1919, 1914, AND 1909.

	Total.					Bristol, Va.					Bristol, Tenn.				
	1919	1914	1909	Per cent of increase.[1] 1914–1919	Per cent of increase.[1] 1909–1914	1919	1914	1909	Per cent of increase.[1] 1914–1919	Per cent of increase.[1] 1909–1914	1919	1914	1909	Per cent of increase.[1] 1914–1919	Per cent of increase.[1] 1909–1914
Population [2]	14,776	14,906	13,395	−0.9	11.3	6,729	6,958	6,247	−3.3	11.4	8,047	7,948	7,148	1.2	11.2
Number of establishments	58	57	51	.....	.....	33	31	28	.....	.....	25	26	23	.....	.....
Persons engaged	2,053	1,385	1,319	48.2	5.0	1,495	995	942	50.3	5.6	558	390	377	43.1	3.4
Proprietors and firm members	34	31	42	.....	.....	17	19	20	.....	.....	17	12	22	.....	.....
Salaried employees	290	225	148	28.9	52.0	208	135	80	54.1	.....	82	90	68	.....	.....
Wage earners (average number)	1,729	1,129	1,129	53.1	.....	1,270	841	842	51.0	−0.1	459	288	287	59.4	0.3
Primary horsepower	4,886	3,651	3,914	33.8	−6.7	4,433	2,985	2,625	48.5	13.7	453	666	1,289	−32.0	−48.3
Capital	$7,074,078	$2,940,791	$3,062,409	140.6	−4.0	$5,330,729	$2,033,170	$1,716,738	162.2	18.4	$1,743,349	$907,621	$1,345,671	92.1	−32.6
Salaries and wages	2,103,987	689,533	631,813	205.1	9.1	1,740,804	494,297	471,486	252.2	4.8	363,183	195,236	160,327	86.0	21.8
Salaries	588,849	239,862	142,741	145.5	68.0	476,758	141,737	89,126	236.4	59.0	112,091	98,125	53,615	14.2	83.0
Wages	1,515,138	449,671	489,072	236.9	−8.1	1,264,046	352,560	382,360	258.5	−7.8	251,092	97,111	106,712	158.6	−9.0
Cost of materials	6,198,117	2,087,120	1,828,296	197.0	14.2	5,236,293	1,645,788	1,234,322	218.2	33.3	961,824	441,332	593,974	117.9	−25.7
Value of products	10,289,378	3,397,426	2,848,777	202.9	19.3	8,454,902	2,542,851	1,970,668	232.5	29.0	1,834,476	854,575	878,109	114.7	−2.7
Value added by manufacture	4,091,261	1,310,306	1,020,481	212.2	28.4	3,218,609	897,063	736,346	258.8	21.8	872,652	413,243	284,135	111.2	45.4

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.
[2] Census estimate of population for 1914.

TABLE 17.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

CITY AND INDUSTRY.	VALUE OF PRODUCTS.			
	Amount, 1919.	Per cent of total for the state.	Increase over 1914.	
			Amount.	Per cent.
NORFOLK.				
Bread and other bakery products	$3,298,981	30.0	$2,462,951	294.6
Lumber, planing-mill products, not including planing mills connected with sawmills	1,985,909	16.9	1,144,887	136.1
Printing and publishing, newspapers and periodicals	1,572,520	26.2	1,034,335	192.2
Foundry and machine-shop products	1,424,789	22.4	1,197,614	527.2
Boxes, wooden packing, except cigar boxes	1,251,465	13.6	(1)	.....
Confectionery and ice cream	1,022,419	15.3	(1)	.....
Clothing, men's	999,194	8.5	(1)	.....
Ice, manufactured	837,814	21.1	418,591	99.8
Mineral and soda waters	705,924	16.3	527,584	295.8
Printing, job	592,907	8.4	291,389	96.6
Bags, other than paper, not including bags made in textile mills				
Chemicals				
Food preparations, not elsewhere specified				
Gas, illuminating and heating	(1)	(1)	(1)	(1)
Peanuts, grading, roasting, cleaning, and shelling				
Shipbuilding, wooden				
Tobacco, cigars and cigarettes				
PORTSMOUTH.				
Lumber, planing-mill products, not including planing mills connected with sawmills	738,503	6.3	(1)	.....
Confectionery, ice cream	443,809	6.6	397,000	848.1
Ice, manufactured	316,102	8.0	(1)	.....
Brass and bronze products				
Cars and general shop construction and repairs by steam-railroad companies				
Cooperage, hogsheads and barrels	(1)	(1)	(1)	(1)
Fertilizers				
Grease and tallow, not including lubricating greases				
RICHMOND.				
Tobacco, cigars and cigarettes	54,107,156	85.5	36,987,705	216.1
Tobacco, chewing and smoking	12,340,704	81.9	4,603,403	59.5
Cars and general shop construction and repairs by steam-railroad companies	6,349,385	19.4	3,731,123	142.5
Printing and publishing, book and job	4,688,631	66.7	2,590,897	123.5
Bread and other bakery products	4,364,218	39.7	2,748,933	170.2

CITY AND INDUSTRY.	VALUE OF PRODUCTS.			
	Amount, 1919.	Per cent of total for the state.	Increase over 1914.	
			Amount.	Per cent.
RICHMOND—Continued.				
Coffee, roasting and grinding	$2,751,825	85.2	$1,713,073	164.9
Lumber, planing-mill products, not including planing mills connected with sawmills	2,442,606	20.7	1,505,843	160.7
Confectionery and ice cream	2,322,052	34.7	1,229,126	112.5
Printing and publishing, newspapers and periodicals	2,021,422	33.7	851,271	72.7
Boxes, wooden packing, except cigar boxes	1,413,692	15.3	1,031,192	269.6
Boxes, paper and other, not elsewhere specified	1,088,065	63.6	567,117	109.3
Mineral and carbonated waters	1,069,215	24.6	798,264	294.6
Bags, other than paper, not including bags made in textile mills				
Baking powders and yeast				
Clothing, men's				
Envelopes				
Fertilizers				
Flavoring extracts				
Flour-mill and gristmill products				
Gas, illuminating and heating				
Iron and steel, steel works and rolling mills	(1)	(1)	(1)	(1)
Leather, tanned, curried, and finished				
Locomotives, not made by railroad companies				
Paper and wood pulp				
Saddlery and harness				
Slaughtering and meat packing				
Tinware, not elsewhere specified				
Trunks and valises				
Wooden goods, not elsewhere specified				
ROANOKE.				
Cars and general shop construction and repairs by steam-railroad companies	12,892,766	39.3	3,114,120	31.8
Lumber, planing-mill products, not including planing mills connected with sawmills	878,036	7.5	(1)	.....
Printing, job	568,773	8.1	174,686	44.3
Chemicals				
Clothing, men's				
Cordage and twine				
Flour-mill and gristmill products	(1)	(1)	(1)	(1)
Structural ironwork, not made in steel works or rolling mills				
Tinware, not elsewhere specified				

[1] Figures can not be shown without disclosing individual operations.

TABLE 18.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909
Primary power, total	18,116	9,466	7,388	419,946	337,567	283,928	100.0	100.0	100.0
Owned	5,343	5,738	5,727	304,920	300,425	270,160	72.6	89.0	95.2
Steam [1]	4,181	4,528	4,656	256,766	249,044	221,341	61.1	73.8	78.0
Engines	4,081	(2)	(2)	211,816	(2)	(2)	50.4	.....	.....
Turbines	100	(2)	(2)	44,950	(2)	(2)	10.7	.....	.....
Internal-combustion engines	532	495	306	9,067	6,659	3,664	2.2	2.0	1.3
Water	630	715	765	39,087	44,722	45,155	9.3	13.2	15.9
Water wheels and turbines	616	711	751	38,926	44,701	45,122	9.3	13.2	15.9
Water motors	14	4	14	161	21	33	(3)	(3)	(3)
Rented	12,773	3,728	1,661	115,026	37,142	13,768	27.4	11.0	4.8
Electric	12,773	3,728	1,661	114,818	37,142	13,356	27.3	11.0	4.7
Other	.....	.....	.....	208	.....	412	(3)	.....	0.1
Electric	16,495	6,581	2,936	188,455	102,013	42,043	100.0	100.0	100.0
Rented	12,773	3,728	1,661	114,818	37,142	13,356	60.9	36.4	31.8
Generated by establishments reporting	3,722	2,853	1,275	73,637	64,871	28,687	39.1	63.6	68.2

[1] Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power. [2] Not reported separately. [3] Less than one-tenth of 1 per cent.

TABLE 19.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries 1919	23,475	3,232,388	603,617	292,726	9,044	44,046
1914	14,981	2,823,292	558,028	128,690	(1)	35,712
Per cent of increase	56.7	14.5	8.2	135.0	(1)	23.3
Bread and other bakery products	2,937	11,444	1,141	12	382	2,552
Brick, sewer pipe, and draintile	70	109,420		85	174	
Canning and preserving, fruits and vegetables	850	5,728		9	196	
Cars and general shop construction and repairs by steam-railroad companies		166,168	830	4,514	8	
Chemicals	60	146,051	21,510	130		
Coke, not including gas-house coke		1,482,814			12	
Confectionery and ice cream	99	6,178	370		74	4,529
Cotton goods		74,038			52	
Dyestuffs and extracts—natural	1,724	109,292			7	
Fertilizers	1,209	28,656		2,418	158	
Flour-mill and gristmill products	1,020	11,800		4,948	3,066	
Foundry and machine-shop products	66	3,636	5,508	88	112	719
Furniture	953	5,443		31	18	
Gas, illuminating and heating	264	116,855	19,309	143,931		
Glass		13,250		3,215		
Grease and tallow, not including lubricating greases		9,869				
Ice, manufactured	1,959	132,444	13	1,584	161	
Iron and steel, blast furnaces		30,831	480,601			
Knit goods		8,403				
Leather, tanned, curried, and finished		37,964			7	
Lime	2,696	41,627	6,292	3	15	
Locomotives, not made by railroad companies	63	20,956	1,697	11,422		
Lumber and timber products	77	57,836	50	2,150	602	
Minerals and earths, ground or otherwise treated		15,399		590	54	
Paints	3	7,251	28		14	88
Paper and wood pulp		196,940	800	600	100	
Patent medicines and compounds	57	8,524		2		31
Paving materials	60	22,353		89	64	
Peanuts, grading, roasting, cleaning, and shelling	410	7,993	15	5		42
Slaughtering and meat packing		12,328			6	
Tobacco, chewing and smoking		14,276				1,416
Tobacco, cigars and cigarettes	51	25,321				9,222
Wall plaster and composition flooring		7,561	170			
Wood preserving		5,740				
Woolen goods		5,883		128	42	
All other industries	8,847	272,116	65,283	116,772	4,320	26,863
Total for cities[2]	11,919	560,084	63,959	184,808	2,084	36,963
ALEXANDRIA	324	28,557	2,022	10,858	348	69
CHARLOTTESVILLE	32	7,964	50			165
DANVILLE	74	77,636	493	6	3	740
LYNCHBURG	568	50,516	9,231	6,398	70	824
NORFOLK	2,150	41,913	14,973	39,315	444	6,900
PETERSBURG	66	28,579	879	6,176	13	4,737
PORTSMOUTH	917	31,867	1,406	9,670		527
RICHMOND	3,585	180,294	13,351	97,900	354	20,093
ROANOKE	4,197	108,015	21,213	12,373	592	2,584
STAUNTON	6	4,743	341	2,112	200	324

[1] Included in figures for fuel oils.

[2] Statistics for Newport News are omitted to avoid disclosure of individual operations.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for seven of these industries for Virginia are here presented.

Flour-mill and gristmill products (Table 20).—This table shows the kind, quantity, and value of the principal products of these mills for 1919, 1914, and 1909.

Wheat flour was the product of chief value in 1919, as it was in 1914, forming 67.2 per cent and 59.2 per cent, respectively, of the total value of all products of the industry in the state. The total value of products increased $18,069,692, or 99.9 per cent, during the five-year period 1914–1919, and the value of wheat flour $13,609,013, or 127.2 per cent.

TABLE 20.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value	$36,154,105	$18,084,413	$17,598,045
Wheat flour:			
Barrels	2,207,724	2,161,767	1,898,712
Value	$24,311,601	$10,702,588	$10,263,031
Rye flour:			
Barrels	3,578	4,746	3,204
Value	$22,432	$21,829	$12,839
Buckwheat flour:			
Pounds	986,695	532,980	1,449,417
Value	$55,052	$16,452	$35,080
Barley meal:			
Pounds	276,730	734,930	338,770
Value	$10,496	$12,680	$5,657
Corn meal and corn flour:			
Barrels	723,008	1,099,215	1,410,351
Value	$5,655,781	$3,861,142	$4,456,117
Bran and middlings:			
Tons	83,514	91,142	
Value	$4,122,898	$2,457,357	
Feed and offal:			109,142
Tons	29,002	31,466	$2,725,432
Value	$1,664,125	$933,213	
All other cereal products, value	$246,483	$12,754	$70,337
All other products, value	$65,237	$66,398	$29,552

Lumber and timber products (Table 21).—This table presents statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. The largest lumber cut reported for Virginia for any year for which records are available was in 1909, and in that year this state ranked sixth among the states in the production of this commodity. In 1914 it dropped to ninth place, and in 1919, twelfth. The cut for 1919, compared with that for 1914, decreased 26.2 per cent, and compared with that for 1909, 47.8 per cent.

Virginia, next to North Carolina, reported the largest number of sawmills in operation in 1919. The majority of the sawmills were small and their average cut was only 372,975 feet.

The lumber cut from the principal species in 1919 was reported as follows: Yellow pine, 646,834,000 feet, or 58.9 per cent of the total cut from all species in the state; oak, 240,707,000 feet, or 21.9 per cent; chestnut, 69,458,000 feet, or 6.3 per cent; yellow poplar, 44,205,000 feet, or 4 per cent; and hemlock, 28,744,000 feet, or 2.6 per cent. Among other woods sawed into lumber in considerable quantities were gum, white pine, basswood, maple, cypress, and birch.

TABLE 21.—LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY.[1]		
	1919	1914	1909
Lumber.....M feet b. m.	1,098,038	1,488,070	2,101,716
Lath.....thousands	27,073	(2)	127,555
Shingles.....thousands	1,637	(2)	39,172

[1] The output of custom mills is included in 1919 and 1909, but not in 1914.
[2] Not reported.

Fertilizers (Table 22).—This table shows the quantities and values of the chief products of the fertilizer industry in Virginia in 1919, 1914, and 1909. Measured by value of products, the state ranked fifth among the states, being exceeded by Georgia, Maryland, South Carolina, and North Carolina. There was a slight decrease in quantity production in 1919 as compared with 1914, but a large increase in value—the average ton value being $38 in 1919, as compared with $18 in 1914 and 1909.

TABLE 22.—FERTILIZERS: 1919, 1914, AND 1909.

	1919	1914	1909
Total value	$22,955,194	$11,581,495	$8,253,081
The fertilizer industry, value	$22,891,353	$11,350,120	$8,034,543
Subsidiary fertilizer products from other industries, value	$63,841	$231,375	$218,538
Fertilizers:			
Tons	530,000	541,690	373,407
Value	$20,309,985	$9,524,113	$6,779,325
Complete and ammoniated fertilizers—			
Tons	361,802	375,256	197,272
Value	$16,329,418	$7,576,028	$4,128,046
Superphosphates and concentrated phosphates—			
Tons	152,305	76,130	68,389
Value	$3,416,931	$669,654	$794,367
Other fertilizers—			
Tons	15,893	90,304	107,746
Value	$563,636	$1,278,431	$1,856,912
All other products, value	$2,581,368	$2,057,382	$1,473,756

Leather, tanned, curried, and finished (Table 23).—This table shows for 1919, 1914, and 1909 the kind, quantity, and value of leather produced in the state of Virginia.

TABLE 23.—LEATHER, TANNED, CURRIED, AND FINISHED: 1919, 1914, AND 1909.

	1919	1914	1909
Products, total value	$21,590,902	$9,834,439	$8,266,850
Leather:			
Oak sole—			
Sides	586,464	936,781	673,757
Value	$8,687,212	$7,535,199	$4,878,935
Oak belting—			
Sides	359,995	167,046	352,712
Value	$8,623,631	$1,363,350	$2,065,331
All other, value	$2,539,722	$702,379	$827,867
All other products, value	$374,250	$233,511	$307,850
Amount received for tanning, currying, or finishing for others	$1,366,087	(1)	$186,867

[1] Included in "All other products" to avoid disclosure of individual operations.

The total value of products for the state in 1919 increased by $11,756,463, or 119.5 per cent, over the value reported in 1914. Oak sole and oak belting leather constituted 80 per cent of the total value, the proportion of the total being practically 40 per cent for each, the former showing a large decrease compared with 1914 in number of sides tanned, but a small increase in value, and the latter showing a very large increase in both quantity and value.

"All other leather" covers principally sole offal and belting offal, lace leather, some cattle side upper, and upper leather made from skins, harness, saddlery, horse, skirting, etc. Custom tanning, which had almost ceased at the census of 1914, shows a large increase during the decade 1909–1919.

Iron and steel, blast furnaces (Table 24).—This table shows the statistics for pig-iron production of the state in 1919, 1914, and 1909. The pig iron was essentially all of foundry grade. Virginia ranked eighth among the states in this industry.

TABLE 24.—IRON AND STEEL, BLAST FURNACES: 1919, 1914, AND 1909.

	1919	1914	1909
Products, total value	$10,097,816	$3,772,382	$5,389,287
Pig iron—			
Tons (2,240 pounds)	291,117	203,077	387,328
Value	$9,232,864	$3,753,082	$5,324,997
Unit value, ton	$32	$18	$14
All other products, value	$864,952	$19,300	$64,290

Printing and publishing (Table 25).—This table shows the number and aggregate circulation per issue for all publications reported as published in Virginia in 1919, 1914, and 1909.

TABLE 25.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total	231	265	258	1,235,158	1,232,608	1,019,968
Daily	31	32	32	257,207	233,975	174,149
Sunday	11	9	8	179,338	117,531	79,258
Semiweekly [1]	5	6	12	6,550	13,385	16,789
Weekly	151	165	161	356,735	429,016	392,106
Monthly [2]	25	32	28	266,104	234,445	183,605
Quarterly [3]	8	21	17	169,224	204,256	174,061

[1] Includes in 1919, 1 triweekly; in 1914 and 1909, 2 triweeklies.
[2] Includes in 1919, 2 semimonthlies; in 1914, 1 semimonthly.
[3] Includes in 1914, 3 bimonthlies, 2 semiannuals, and 1 semiweekly; in 1909, 5 bimonthlies and 5 classed as "All other."

Eighteen of the 31 dailies reported for 1919 were published in the afternoon. Their circulation—159,730—was 62.1 per cent of the total daily circulation, an increase of 31,109, or 24.2 per cent, over the afternoon circulation in 1914. The increase in total daily circulation was 23,232, or 9.9 per cent, for the five-year period from 1914 to 1919.

Sunday newspapers increased both in number and circulation, the growth of the latter from 1914 to 1919 being 61,807, or 52.6 per cent; for the decade it more than doubled.

Only two publications were printed in a foreign language—both German weeklies.

Shipbuilding, including boat building (Table 26).—This classification includes the building as well as the repairing of steel and wooden vessels and small craft, and also the manufacture of masts, spars, oars, and rigging. The number and tonnage of all vessels launched in 1919 and 1916 are shown by classes in the following table:

TABLE 26.—SHIPBUILDING, INCLUDING BOAT BUILDING: 1919 AND 1916.

	1919		1916	
	Number.	Gross tonnage.	Number.	Gross tonnage.
Vessels, 5 gross tons and over, launched during the year	33	70,556	36	63,724
Steel	14	69,595	8	62,559
Steam	14	69,595	8	62,559
Unrigged				
Wood	19	961	28	1,165
Motor	14	401	12	183
Unrigged	5	560	16	982
Power boats, less than 5 gross tons	15	.....	21	.....

Nearly all of the tonnage launched in Virginia in 1919 and 1916 was iron and steel. Of the wooden tonnage launched, over one-half was unrigged. Of the 14 iron and steel vessels launched in 1919, 5 were freight vessels of an average gross tonnage of 6,107, 5 were destroyers built for the United States Government, and 4 were oil tankers of 8,246 gross tonnage each. The freight vessels were launched at Alexandria, and the destroyers and tankers at Newport News. There were more vessels under construction during the year than were launched. The Alexandria plant had 7 vessels with 43,036 gross tonnage on the ways at the close of the year, and the Newport News plant had 8 merchant and 9 naval vessels of 282,744 displacement tonnage. The statistics of values can not be given without disclosing the operations of individual establishments.

Laundries (Table 27.)—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 27, however, summarizes the statistics for such laundries in the state of Virginia for 1919 and 1914.

TABLE 27.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1914-1919.
	1919	1914	
Number of establishments	63	71	.....
Persons engaged	2,674	1,965	36.1
Proprietors and firm members	51	76	.....
Salaried employees	256	195	31.3
Wage earners (average number)	2,367	1,694	39.7
Primary horsepower	1,989	1,918	3.7
Capital	$1,724,255	$1,055,152	63.4
Salaries and wages	1,436,770	691,603	107.7
Salaries	326,067	167,266	94.9
Wages	1,110,703	524,337	111.8
Paid for contract work	200	16,503	−98.8
Rent and taxes	89,958	38,532	133.5
Cost of materials	658,519	285,809	130.4
Amount received for work done	3,009,759	1,453,912	107.0

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

Dyeing and cleaning (Table 28).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 28.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments	30
Persons engaged	371
Proprietors and firm members	23
Salaried employees	67
Wage earners (average number)	281
Primary horsepower	406
Capital	$426,901
Salaries and wages	281,469
Salaries	58,941
Wages	222,528
Rent and taxes	26,405
Cost of materials	138,208
Amount received for work done	698,898

Custom sawmills and gristmills (Tables 29 and 30).—Statistics for custom sawmills and custom gristmills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914. Tables 29 and 30, however, summarize the statistics for such mills for 1919 and 1909. The value of products for custom sawmills represents the amount charged for the work performed, and that for custom gristmills the selling value of the grain milled.

There were a number of small custom sawmills in 1919, also grinding grain. Separate accounts were not kept and it was not practicable to segregate the two industries. The cost of materials and value of products of these custom sawmills include, therefore, the cost of the grain used and the value of the flour or grist produced. This fact accounts to some extent for the large increase in cost of materials reported.

TABLE 29.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1909-1919.
	1919	1909	
Number of establishments	400	284	40.8
Persons engaged	694	1,091	−36.4
Proprietors and firm members	511	415	23.1
Wage earners (average number)	183	676	−72.9
Primary horsepower	6,665	4,609	44.6
Capital	$435,850	$350,535	24.3
Wages	105,859	119,433	−11.4
Rent and taxes	3,891	2,134	82.3
Cost of materials [2]	28,608	5,482	([3])
Amount received for work done [2]	305,336	296,668	2.9

[1] A minus sign (−) denotes decrease.
[2] Includes estimate of grain ground.
[3] Figures not comparable.

TABLE 30.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1909-1919.
	1919	1909	
Number of establishments	788	1,261	−37.5
Persons engaged	1,141	2,396	−52.4
Proprietors and firm members	972	1,525	−36.3
Salaried employees	13	9	.....
Wage earners (average number)	156	862	−81.9
Primary horsepower	14,687	20,716	−29.1
Capital	$2,585,463	$2,439,564	6.0
Salaries and wages	141,441	143,191	−1.2
Salaries	11,318	4,370	159.0
Wages	130,123	138,821	−6.3
Rent and taxes	22,802	18,103	26.0
Cost of materials [2]	4,842,886	3,824,256	26.6
Value of products [2]	6,124,986	4,683,631	30.8

[1] A minus sign (−) denotes decrease; percentage omitted where base is less than 100.
[2] Includes estimate of all grain ground.

GENERAL TABLES.

Table 31 gives, for 1919, 1914, and 1909, 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 Norfolk and Richmond, and for Portsmouth and Roanoke, and for cities having from 10,000 to 50,000 inhabitants, for which comparative figures are available, similar data for all industries combined, except for Newport News, statistics for which can not be given without disclosing the operations of individual establishments.

Table 32 presents, for 1919, in the state as a whole and in Norfolk, Portsmouth, Richmond, and Roanoke, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and the statistics for all industries combined for each of the cities in the state having from 10,000 to 50,000 inhabitants, exclusive of Newport News.

TABLE 31.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE.—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1919	5,603	119,352	419,946	$120,006	$371,541	$643,512
	1914	5,508	102,820	337,567	44,873	155,320	264,039
	1909	5,685	105,676	283,928	38,154	125,583	219,794
Agricultural implements	1919	14	239	507	242	369	926
	1914	20	269	539	122	168	484
	1909	16	272	503	117	244	516
Boxes, paper and other, not elsewhere specified.	1919	16	631	565	384	852	1,708
	1914	14	499	406	151	289	726
	1909	10	558	193	128	153	413
Bread and other bakery products.	1919	125	1,262	1,514	1,233	7,020	11,002
	1914	140	1,033	1,161	559	2,188	3,697
	1909	135	870	761	418	1,721	2,766
Brick, sewer pipe, and drain-tile.	1919	45	1,331	3,967	1,085	850	2,738
	1914	64	1,663	5,852	614	513	1,493
	1909	86	2,090	5,540	732	510	1,922
Butter	1919	20	94	440	79	1,105	1,535
	1914	13	90	245	48	476	608
	1909	8	10	135	4	35	44
Canning and preserving [1]	1919	498	2,123	7,853	837	3,813	5,505
	1914	443	2,169	3,907	360	1,632	2,360
	1909	325	1,860	1,382	277	1,208	1,854
Carriages and wagons, including repairs.	1919	63	777	1,042	741	2,215	4,054
	1914	113	1,066	1,629	518	1,361	2,464
	1909	121	1,091	1,209	451	1,159	2,223
Cars and general shop construction and repairs by electric-railroad companies.	1919	10	407	638	385	361	831
	1914	11	317	458	207	156	426
	1909	7	117	121	72	82	162
Cars and general shop construction and repairs by steam-railroad companies.	1919	31	12,086	19,081	16,725	14,333	32,777
	1914	32	10,375	6,980	6,607	10,762	18,216
	1909	28	7,588	6,412	4,082	5,255	9,956
Clothing, men's, including shirts.	1919	33	2,432	1,043	2,215	6,932	11,961
	1914	32	1,282	340	383	1,792	2,765
	1909	23	1,160	346	288	1,160	1,819
Coffee, roasting and grinding.	1919	11	104	360	75	2,642	3,228
	1914	9	75	281	29	918	1,137
	1909	10	78	263	36	925	1,206
Coke, not including gas-house coke.	1919	13	849	1,243	1,085	3,935	5,524
	1914	11	852	2,057	384	1,070	1,607
	1909	16	1,425	1,760	543	1,818	2,416
Confectionery and ice cream	1919	76	855	2,272	715	4,010	6,692
	1914	66	617	1,089	236	1,832	2,713
Cooperage, hogsheads and barrels.	1919	109	661	1,002	458	1,446	2,209
	1914	110	1,390	1,340	480	1,409	2,231
	1909	114	788	1,236	251	662	1,090
Copper, tin, and sheet-iron work. [2]	1919	47	801	623	746	2,967	4,556
	1914	37	528	499	265	1,002	1,632
	1909	43	818	296	361	1,061	2,048
Cotton goods	1919	10	6,518	38,963	6,077	17,544	32,535
	1914	9	6,310	34,220	2,174	6,057	10,216
	1909	10	5,057	19,750	1,480	4,699	7,490
Dyestuffs and extracts—natural.	1919	17	1,002	10,038	1,090	4,932	9,426
	1914	13	429	4,309	161	1,138	1,677
	1909	14	346	4,209	123	686	1,200
Fertilizers	1919	43	2,354	13,260	2,456	14,198	22,891
	1914	57	2,470	19,577	1,051	7,996	11,350
	1909	45	1,956	5,560	760	5,380	8,035
Flour-mill and gristmill products.	1919	537	937	22,632	826	30,928	36,154
	1914	533	1,082	23,086	463	15,390	18,084
	1909	458	1,014	21,454	398	15,164	17,598
Foundry and machine-shop products. [3]	1919	230	3,860	8,511	5,004	6,287	15,122
	1914	103	2,444	7,828	1,413	3,565	6,906
	1909	110	2,798	4,012	1,385	3,148	5,727
Furniture	1919	38	1,296	2,438	$1,105	$2,548	$5,043
	1914	38	1,221	2,783	520	1,080	2,085
	1909	34	990	2,326	349	724	1,438
Gas, illuminating and heating.	1919	17	475	1,875	667	1,457	3,149
	1914	22	533	1,488	306	750	2,150
	1909	21	378	1,116	217	431	1,472
Glass	1919	4	641	611	394	332	831
	1914	4	606	286	328	258	690
	1909	5	524	245	306	251	682
Grease and tallow, not including lubricating greases.	1919	7	251	1,073	319	1,687	2,429
	1914	5	213	793	106	469	671
	1909	3	134	225	61	155	220
Ice, manufactured	1919	106	969	18,670	976	1,198	3,965
	1914	87	714	13,057	378	501	1,796
	1909	74	475	8,553	220	268	1,143
Iron and steel, blast furnaces.	1919	12	1,081	19,855	1,027	8,270	10,098
	1914	8	680	15,210	352	3,282	3,772
	1909	14	1,320	17,320	546	4,418	5,389
Knit goods	1919	10	1,578	1,459	1,002	2,902	4,685
	1914	13	2,272	1,343	751	2,108	3,516
	1909	11	1,715	1,079	503	1,467	2,463
Leather goods [4]	1919	48	1,928	1,686	1,908	5,022	10,123
	1914	51	1,428	1,105	624	1,943	3,464
	1909	31	1,487	958	527	1,901	3,492
Leather, tanned, curried, and finished.	1919	21	1,666	5,341	1,573	16,216	21,591
	1914	21	1,205	3,648	525	8,218	9,834
	1909	39	1,590	4,223	589	6,445	8,207
Lime	1919	37	750	3,149	587	730	1,875
	1914	34	694	1,729	273	471	995
	1909	35	716	924	232	300	856
Lumber and timber products. [5]	1919	2,110	20,533	81,751	17,121	24,228	56,394
	1914	2,218	26,307	85,754	9,621	13,365	32,449
	1909	2,617	33,287	99,474	9,962	13,982	35,855
Marble and stone work	1919	66	441	1,176	400	485	1,149
	1914	76	1,260	3,676	568	388	1,404
	1909	70	1,585	4,553	651	351	1,306
Mattresses and spring beds, not elsewhere specified.	1919	20	162	317	134	511	867
	1914	22	159	283	75	227	445
	1909	18	103	181	41	129	244
Mineral and soda waters	1919	100	427	1,228	393	2,426	4,340
	1914	88	290	465	123	581	1,197
	1909	76	222	227	78	275	622
Minerals and earths, ground or otherwise treated.	1919	18	752	4,560	614	430	1,543
	1914	6	75	850	38	47	107
Paints	1919	10	104	393	104	714	1,142
	1914	4	46	190	21	114	184
Paper and wood pulp	1919	10	1,951	15,367	1,958	7,796	13,602
	1914	8	1,260	13,585	692	3,424	5,501
	1909	9	912	9,770	412	2,148	3,657
Paving materials	1919	24	586	3,961	511	429	1,208
	1914	21	642	2,110	280	555	1,135
Peanuts, grading, roasting, cleaning, and shelling.	1919	28	1,528	4,234	830	20,049	23,162
	1914	25	1,505	2,973	328	9,518	10,981
	1909	25	1,516	2,271	258	7,126	7,933
Printing and publishing [6]	1919	380	2,719	2,986	2,817	4,536	13,162
	1914	396	2,790	2,881	1,596	2,067	7,070
	1909	369	2,555	2,210	1,307	1,405	5,370
Silk goods, including throwsters.	1919	10	661	1,811	367	609	1,551
	1914	9	691	1,798	210	1,094	1,773
	1909	7	819	1,858	261	1,011	1,544
Slaughtering and meat packing.	1919	25	502	3,073	456	6,228	7,589
	1914	21	396	3,084	212	3,725	4,362
	1909	24	342	1,491	118	4,057	4,601

[1] Includes "canning and preserving, fish"; "canning and preserving, fruits and vegetables"; and "pickles, preserves, and sauces," in all years; and "canning and preserving, oysters," in 1914 and 1909.

[2] Includes "tinware, not elsewhere specified."

[3] Includes "automobile repairing"; "iron and steel, cast-iron pipe"; "iron and steel, welding"; "steam fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts," in all years; "gas machines and gas and water meters" in 1914 and 1909; "hardware," in 1919 and 1909; and "engines, steam, gas, and water"; "plumbers' supplies, not elsewhere specified"; and "pumps, steam," in 1919.

[4] Includes "saddlery and harness" and "trunks and valises."

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

[6] Includes "bookbinding and blank-book making" and "engraving, steel and copper plate, including plate printing," in all years; and "lithographing" in 1914 and 1909.

TABLE 31.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE.—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.							
Stoves and ranges	1919	5	334	498	$362	$539	$1,396
	1914	5	324	555	208	187	528
	1909	9	363	464	206	242	683
Tobacco manufactures	1919	63	9,413	5,371	6,515	45,611	78,350
	1914	76	6,308	3,259	2,165	12,102	30,096
	1909	104	7,882	3,591	2,162	11,189	25,385
Vinegar and cider	1919	11	160	403	134	913	1,227
	1914	12	27	123	12	185	271
	1909	28	32	286	10	213	358
Wood, turned and carved	1919	17	218	1,031	$173	$322	$607
	1914	19	223	1,223	74	138	340
	1909	19	135	737	38	71	151
Woolen goods	1919	12	630	1,405	469	1,538	2,693
	1914	12	431	911	168	420	790
	1909	16	542	1,352	176	567	999
All other industries	1919	446	28,273	98,670	34,632	87,076	158,367
	1914	377	15,551	56,602	8,094	28,389	45,641
	1909	382	16,156	43,352	7,018	21,378	37,179
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
NORFOLK All industries.	1919	207	5,119	15,083	$5,982	$15,622	$29,588
	1914	209	5,263	12,156	2,258	7,320	13,710
	1909	215	4,749	20,408	2,041	5,482	10,341
Bread and other bakery products.	1919	18	290	347	330	2,151	3,299
	1914	15	199	259	129	530	836
	1909	17	178	210	95	350	595
Copper, tin, and sheet-iron work.	1919	5	50	9	42	81	190
	1914	3	18	2	12	11	38
Foundry and machine-shop products.[1]	1919	10	303	399	629	474	1,628
	1914	11	181	302	128	95	358
	1909	12	194	248	134	88	316
Ice, manufactured	1919	8	155	3,887	208	263	838
	1914	8	108	3,572	86	115	419
	1909	6	79	1,500	43	63	225
Lumber and timber products.[2]	1919	13	632	2,368	564	2,096	3,237
	1914	13	919	2,672	368	1,033	1,912
	1909	13	1,052	14,082	498	748	1,515
Mineral and soda waters	1919	8	77	484	96	334	706
	1914	6	36	52	14	93	178
	1909	5	27	22	13	63	127
Printing and publishing[3]	1919	31	245	457	346	688	2,165
	1914	35	224	296	155	247	849
	1909	33	251	255	155	151	684
All other industries	1919	114	3,367	7,131	3,767	9,535	17,525
	1914	118	3,578	5,001	1,366	5,196	9,120
	1909	120	2,968	4,091	1,108	4,019	6,879
PORTSMOUTH[4] All industries.	1919	48	2,237	7,573	2,300	5,076	9,376
	1914	42	767	2,664	347	1,017	1,731
	1909	31	842	1,777	307	776	1,528
RICHMOND All industries.	1919	550	21,759	40,828	19,843	89,444	156,724
	1914	466	17,282	33,940	8,440	30,559	62,491
	1909	380	14,849	20,087	5,821	24,252	47,358
Boxes, paper and other, not elsewhere specified.	1919	11	409	419	249	528	1,086
	1914	9	360	301	110	129	501
	1909	6	444	160	99	90	276
Bread and other bakery products.	1919	21	572	702	502	2,604	4,364
	1914	21	446	459	231	925	1,615
	1909	23	408	334	191	839	1,291
RICHMOND—Con.							
Carriages and wagons, including repairs.	1919	12	84	61	$96	$89	$252
	1914	19	117	101	79	96	257
	1909	14	124	53	71	104	286
Cars and general shop construction and repairs by steam-railroad companies.	1919	4	1,778	759	2,609	3,445	6,349
	1914	4	1,981	1,854	1,312	1,037	2,618
Confectionery and icecream[5]	1919	14	277	679	237	1,258	2,322
	1914	22	214	546	95	630	1,093
Copper, tin, and sheet-iron work.	1919	16	122	32	157	205	483
	1914	10	60	22	40	51	111
Furniture	1919	6	191	207	230	271	697
	1914	8	205	173	135	127	302
Ice, manufactured	1919	8	119	2,860	140	202	552
	1914	8	94	2,003	51	71	286
	1909	6	60	1,452	33	37	199
Lumber, planing-mill products, not including planing mills connected with sawmills.[6]	1919	14	976	2,121	886	2,231	3,856
	1914	17	689	2,410	370	716	1,319
	1909	15	632	1,726	286	656	1,187
Marble and stone work, except slate.	1919	13	43	158	45	58	136
	1914	13	71	130	53	32	113
	1909	9	53	54	36	34	92
Mineral and carbonated waters.	1919	7	50	186	53	567	1,069
	1914	10	47	62	29	151	271
	1909	7	23	17	12	25	64
Printing and publishing[7]	1919	102	1,403	1,360	1,508	2,576	7,072
	1914	103	1,334	1,479	758	1,213	3,811
	1909	82	1,089	941	585	732	2,786
Tobacco manufactures	1919	15	6,608	3,584	4,944	36,574	66,448
	1914	16	4,310	1,899	1,520	9,485	24,857
All other industries	1919	307	9,127	27,700	8,187	38,821	62,038
	1914	206	7,354	22,501	3,657	15,896	25,337
	1909	218	12,016	15,350	4,508	21,735	41,177
ROANOKE[4] All industries.	1919	99	7,740	14,275	8,807	15,550	34,864
	1914	73	5,496	11,708	3,326	11,198	16,582
	1909	62	3,544	6,774	1,718	4,044	7,261
CITIES OF 10,000 TO 50,000 INHABITANTS.[8]—ALL INDUSTRIES COMBINED.							
ALEXANDRIA	1919	35	4,012	3,940	$5,446	$7,782	$16,908
	1914	49	1,504	3,375	858	1,960	3,660
	1909	54	1,470	3,250	697	2,731	4,420
DANVILLE	1919	44	5,827	29,752	5,611	16,291	30,183
	1914	43	2,691	7,209	1,042	3,212	5,558
	1909	52	3,076	4,634	963	3,236	5,389
LYNCHBURG	1919	65	4,486	8,549	4,467	16,083	27,450
	1914	73	3,474	6,505	1,545	6,511	9,919
	1909	82	4,026	7,952	1,544	6,468	10,188
PETERSBURG	1919	116	4,891	7,106	$3,791	$18,298	$26,440
	1914	87	3,903	6,549	1,392	8,393	12,610
	1909	72	3,887	5,239	1,107	5,759	8,896
STAUNTON	1919	54	473	1,029	279	1,904	2,567
	1914	45	346	850	149	1,037	1,448
	1909	44	339	601	118	896	1,223

[1] Includes "structural ironwork, not made in steel works or rolling mills," in all years, and "automobile repairing" in 1919.
[2] Includes "boxes, wooden packing, except cigar boxes" and "lumber, planing-mill products, not including planing mills connected with sawmills."
[3] Includes "engraving, steel and copper plate, including plate printing," in 1914 and 1909.
[4] Comparative statistics by industries for 1914 and 1909 not available.
[5] Includes "chewing gum" in 1914.
[6] Includes "boxes, wooden packing, except cigar boxes," in 1919 and 1914.
[7] Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."
[8] Statistics for Newport News are omitted to avoid disclosure of individual operations.

TABLE 32.—DETAILED STATEMENT OF ALL INDUSTRIES

	Industry and city.	Number of establishments	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	5,603	139,178	5,000	6,139	5,636	2,151	119,352	Oc 131,916	Ja 111,943	(2)	(2)	(2)	(2)	(2)	Dollars. 463,644,498
2	Agricultural implements	14	283	4	22	12	6	239	Ja 282	Je 188	254	253	.....	1	.....	836,232
3	Artificial stone products	10	43	11	3	.....	.....	29	Mh 41	De 21	45	45	.....	.....	.....	52,532
4	Automobile bodies and parts	19	168	14	16	7	5	126	Oc 141	Ja 4 105	137	110	27	.....	.....	370,484
5	Automobile repairing	116	582	146	23	20	17	376	Se 392	Ja 357	394	392	2	.....	.....	820,617
6	Awnings, tents, and sails	12	110	12	10	3	4	81	Je 109	Ja 4 66	73	52	21	.....	.....	235,787
7	Bags, other than paper, not including bags made in textile mills.	13	496	12	15	19	9	441	De 513	My 390	513	248	259	3	3	1,221,034
8	Bookbinding and blank-book making	4	56	6	.....	2	.....	42	My 4 47	Ja 36	44	17	27	.....	.....	56,070
9	Boxes, paper and other, not elsewhere specified.	16	707	6	46	9	15	631	De 689	Ap 578	691	322	346	7	16	1,012,817
10	Boxes, wooden packing, except cigar boxes.	34	2,692	8	91	36	23	2,534	Oc 2,713	Au 2,253	2,730	2,218	482	23	7	6,022,701
11	Bread and other bakery products	125	1,695	123	80	179	51	1,262	De 1,347	Fe 1,122	1,351	1,084	252	11	4	3,753,332
12	Brick, sewer pipe, and drain tile	45	1,471	38	72	19	11	1,331	Se 1,663	Ja 899	1,592	1,592	.....	.....	.....	2,580,290
13	Brooms	20	101	21	7	3	.....	70	De 94	Mh 44	95	79	12	4	.....	159,975
14	Butter	20	130	6	17	7	6	94	Au 101	Fe 4 87	92	91	1	.....	.....	408,063
15	Canning and preserving, fish	18	238	25	8	3	1	201	Ap 370	Mh 48	624	472	152	.....	.....	430,574
16	Canning and preserving, fruits and vegetables.	473	3,491	716	919	13	7	1,836	.....	.....	9,026	3,003	5,596	177	250	2,319,063
17	Canned vegetables	439	3,305	677	907	12	3	1,706	Se 6,630	Ja 2	8,419	2,753	5,249	175	242	2,140,462
18	Canned fruits	28	150	34	10	1	4	101	Se 452	Jy 10	473	208	260	2	8	135,501
19	Dried fruits	6	36	5	2	.....	.....	29	Oc 4 121	Se 106	134	47	87	.....	.....	43,100
20	Carriages and wagons, including repairs.	63	943	79	35	32	20	777	.....	.....	874	856	16	2	.....	2,725,562
21	Carriages and wagons	42	843	55	31	30	19	708	De 798	Ap 628	800	782	16	2	.....	2,591,602
22	Repair work only	21	100	24	4	2	1	69	Au 75	Mh 64	74	74	.....	.....	.....	133,960
23	Cars and general shop construction and repairs by electric-railroad companies.	10	422	.....	13	1	1	407	De 427	Ja 377	434	432	2	.....	.....	620,483
24	Cars and general shop construction and repairs by steam-railroad companies.	31	12,914	.....	370	398	60	12,086	De 13,022	Je 11,090	13,023	12,978	45	.....	.....	16,561,310
25	Chemicals	12	2,040	1	78	72	42	1,847	No 2,118	Mh 1,544	1,996	1,602	382	1	11	13,885,365
26	Cleansing and polishing preparations	4	8	2	1	.....	.....	5	Jy 4 6	No 4 4	6	5	1	.....	.....	24,602
27	Clothing, men's	28	2,644	16	57	153	113	2,305	.....	.....	2,594	278	2,278	7	31	7,468,372
28	Regular factory products	25	2,393	15	52	153	111	2,062	De 4 2,387	Ja 1,676	2,319	250	2,036	7	26	7,305,202
29	Contract work	3	251	1	5	.....	2	243	De 274	Ja 214	275	28	242	.....	5	163,110
30	Coffee, roasting and grinding	11	191	4	17	58	8	104	Oc 4 109	Se 4 101	105	68	37	.....	.....	594,754
31	Coffins, burial cases, and undertakers' goods.	6	113	4	7	12	4	86	Mh 97	Je 4 82	83	72	6	5	.....	346,162
32	Coke, not including gas-house coke	13	922	.....	31	38	4	849	Ja 929	My 774	902	902	.....	.....	.....	5,152,665
33	Confectionery and ice cream	76	1,149	54	99	98	43	855	.....	.....	866	550	316	.....	.....	3,027,656
34	Confectionery	31	675	14	58	66	19	518	De 578	Jy 485	575	272	303	.....	.....	1,801,768
35	Ice cream	45	474	40	41	32	24	337	Jy 416	Ja 265	291	278	13	.....	.....	1,826,888
36	Cooperage, hogsheads and barrels	109	806	109	24	7	5	661	Se 793	Fe 527	806	685	120	1	.....	1,056,953
37	Copper, tin, and sheet-iron work	39	314	41	20	16	8	229	Au 244	Fe 4 213	260	258	.....	2	.....	544,009
38	Cordials and flavoring sirups	6	71	1	12	18	9	31	Mh 35	Oc 28	35	29	6	.....	.....	388,580
39	Cotton goods	10	6,635	.....	49	56	12	6,518	De 6,871	Ja 6,072	6,806	4,284	2,437	90	85	33,731,798
40	Dental goods	5	17	4	1	.....	1	11	(5) 11	(5) 11	14	14	.....	.....	.....	7,973
41	Druggists' preparations	9	34	7	7	2	.....	18	Oc 20	Fe 16	20	8	12	.....	.....	80,841
42	Dyestuffs and extracts—natural	17	1,112	5	55	33	17	1,002	Jy 1,060	Ap 925	971	971	.....	.....	.....	6,527,445
43	Engraving, steel and copper plate, including plate printing.	5	24	4	1	.....	1	18	My 4 19	Fe 4 16	19	11	5	1	2	15,624
44	Fertilizers	43	2,768	7	140	219	48	2,354	Ap 3,029	De 1,841	3,279	3,221	58	.....	.....	25,710,704
45	Flour-mill and gristmill products	537	1,937	605	161	89	55	937	Se 994	Ap 891	970	966	2	2	.....	23,523,479
46	Food preparations, not elsewhere specified.	22	352	23	30	40	14	245	De 288	Je 207	269	246	23	.....	.....	4,777,089
47	Foundry and machine-shop products	86	2,011	76	115	79	35	1,706	.....	.....	1,958	1,949	3	6	.....	4,429,445
48	Boiler shops and foundries	23	410	19	19	18	6	348	Jy 407	My 192	381	380	.....	1	.....	655,468
49	Machine shops	46	1,210	44	68	44	22	1,032	Ja 1,161	My 886	1,107	1,101	1	5	.....	2,778,755
50	Machine shop and foundry combined.	17	391	13	28	17	7	326	De 448	My 216	470	468	2	.....	.....	995,222
51	Furniture	38	1,517	35	70	68	48	1,296	.....	.....	1,505	1,345	74	75	11	3,089,106
52	Wood, other than rattan and willow.	31	1,354	30	55	63	42	1,164	De 1,352	Ja 1,005	1,357	1,197	74	75	11	2,882,936
53	Store and office fixtures	7	163	5	15	5	6	132	Mh 140	Je 125	148	148	.....	.....	.....	206,170
54	Gas, illuminating and heating	17	583	.....	38	29	41	475	Ja 532	Ap 443	496	496	.....	.....	.....	9,800,819
55	Glass	4	668	.....	18	7	2	641	Jy 700	Ja 524	685	563	118	4	.....	947,837
56	Gloves and mittens, leather	4	81	8	7	3	1	62	No 74	Fe 4 49	69	24	40	1	4	123,274
57	Grease and tallow, not including lubricating greases.	7	287	2	16	13	5	251	Ap 277	Fe 234	247	245	2	.....	.....	945,384
58	Hand stamps	3	29	5	.....	3	1	20	(5) 20	(5) 20	20	19	.....	1	.....	46,060
59	Ice, manufactured	106	1,227	58	127	49	24	969	Jy 1,459	Fe 641	983	958	21	4	.....	8,132,158
60	Iron and steel, blast furnaces	12	1,160	.....	35	38	6	1,081	Ja 1,748	Je 687	1,604	1,600	.....	4	.....	12,455,938
61	Iron and steel, welding	8	30	10	.....	2	.....	18	Je 4 19	Ja 4 17	19	19	.....	.....	.....	17,050
62	Knit goods	10	1,649	2	40	18	11	1,578	No 1,831	Fe 1,207	1,785	499	1,165	58	63	3,870,341
63	Leather, tanned, curried, and finished	21	1,875	6	57	114	32	1,666	Au 1,819	Ja 1,494	1,729	1,718	10	1	.....	10,971,206
64	Lime	37	851	15	57	17	12	750	Ap 854	Fe 684	812	793	.....	10	.....	2,307,420
65	Lumber and timber products	1,931	19,131	2,431	386	261	93	15,960	De 21,081	Fe 13,165	25,364	25,215	100	49	.....	25,875,816
66	Lumber, planing-mill products, not including planing mills connected with sawmills.	145	2,476	123	170	108	36	2,039	No 2,269	Ja 1,786	2,272	2,253	16	3	.....	7,857,741
67	Marble and stone work	66	559	72	26	15	5	441	.....	.....	462	462	.....	.....	.....	917,247
68	Monuments and tombstones	55	252	66	10	11	3	162	Jy 4 171	Ja 144	167	167	.....	.....	.....	557,804
69	Other marble and stone work, except slate.	7	83	6	6	1	1	69	Ap 72	No 61	69	69	.....	.....	.....	70,419
70	Roofing slate	4	224	.....	10	3	1	210	Au 234	Ja 163	226	226	.....	.....	.....	289,024

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919.

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.
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
Dollars. 15,286,404	Dollars. 10,621,080	Dollars. 120,006,452	Dollars. 2,848,581	Dollars. 1,746,148	Dollars. 34,699,686	Dollars. 352,059,572	Dollars. 19,481,261	Dollars. 643,511,621	Dollars. 271,970,788	419,946	211,816	44,950	9,067	39,087	115,026	73,637	1
69,814	18,830	241,871	1,200	7,045	43,863	347,524	21,193	926,019	557,302	507	100	.....	27	14	366	.....	2
4,026	.....	23,409	.....	971	1,226	30,148	788	83,761	52,825	74	40	.....	12	.....	22	.....	3
24,677	7,118	113,483	374	8,248	2,080	303,679	4,714	527,053	218,660	124	.....	.....	8	3	113	.....	4
32,440	36,729	423,183	.....	55,142	13,502	781,738	18,928	1,640,891	840,225	409	.....	.....	87	.....	322	3	5
33,260	5,625	95,691	.....	7,390	2,217	297,932	1,397	547,416	248,087	46	.....	.....	.....	.....	46	.....	6
38,717	26,010	221,318	4,250	8,207	45,672	4,216,655	8,968	4,840,831	615,208	269	110	.....	.....	.....	159	.....	7
.....	2,200	35,297	.....	1,332	161	20,838	1,448	83,205	60,919	23	.....	.....	.....	.....	23	.....	8
101,870	21,367	383,859	.....	26,560	24,380	837,079	14,493	1,708,371	856,799	565	85	.....	10	.....	470	2	9
323,655	99,104	1,775,426	35,104	18,279	153,546	5,894,889	24,584	9,231,697	3,312,224	7,744	5,941	49	34	.....	1,720	5	10
224,083	354,705	1,293,469	1,034	47,260	156,409	6,881,635	137,899	11,002,219	3,982,685	1,514	109	.....	9	.....	1,396	.....	11
166,940	35,691	1,085,271	2,050	1,985	47,230	268,381	582,106	2,738,208	1,887,811	3,967	3,551	.....	60	.....	356	40	12
10,140	7,709	54,909	.....	1,822	625	183,419	2,035	315,456	130,002	61	.....	.....	14	.....	47	.....	13
24,669	11,320	78,916	50	4,570	5,333	1,082,030	23,266	1,535,290	429,994	440	85	.....	.....	.....	355	10	14
12,396	3,780	145,271	2,326	335	9,437	346,956	25,504	609,995	237,535	1,337	1,294	.....	42	.....	1	340	15
55,930	7,937	647,609	13,052	11,374	13,904	3,077,633	69,253	4,427,441	1,280,555	6,379	6,141	40	119	.....	79	2	16
51,170	7,497	590,469	12,590	10,333	13,413	2,865,263	56,935	4,070,715	1,148,517	5,841	5,655	40	90	.....	56	2	17
3,935	440	29,471	12	741	325	125,640	2,341	212,107	84,126	503	486	.....	9	.....	8	.....	18
825	.....	18,669	450	300	166	86,730	9,977	144,619	47,912	35	.....	.....	20	.....	15	.....	19
129,995	128,875	740,773	.....	18,275	286,140	2,181,173	33,555	4,054,170	1,839,442	1,042	379	.....	69	.....	594	30	20
122,915	125,635	665,690	.....	14,032	284,590	2,095,652	30,243	3,823,625	1,697,730	913	364	.....	55	.....	494	30	21
7,080	3,240	75,083	.....	4,243	1,550	85,521	3,312	230,545	141,712	129	15	.....	14	.....	100	.....	22
75,439	2,042	385,116	.....	1,000	7,156	358,931	2,093	830,937	469,913	638	.....	.....	.....	.....	638	.....	23
1,147,017	530,221	10,724,737	.....	.....	120,339	13,692,816	640,095	32,777,078	18,444,167	19,081	5,160	2,681	.....	.....	11,240	10,927	24
238,204	166,410	1,942,627	.....	7,405	2,838,916	2,736,939	968,469	12,765,281	9,059,873	11,862	4,240	2,900	.....	.....	4,722	5,300	25
600	.....	6,768	.....	3,073	288	13,510	201	29,767	16,056	11	.....	.....	.....	.....	11	.....	26
276,267	452,338	2,157,586	93,411	18,156	480,986	6,837,208	32,716	11,810,100	4,940,176	981	65	.....	.....	.....	916	28	27
257,767	450,538	2,041,044	93,411	17,518	480,759	6,821,457	29,581	11,653,482	4,802,444	948	65	.....	.....	.....	883	28	28
18,500	1,800	116,542	.....	638	227	15,751	3,135	156,618	137,732	33	.....	.....	.....	.....	33	.....	29
34,749	77,570	74,746	.....	9,630	53,743	2,626,086	16,350	3,228,297	585,861	360	.....	.....	.....	.....	360	.....	30
25,570	24,205	93,076	.....	3,120	23,577	227,332	3,054	455,132	224,746	244	130	.....	10	.....	104	.....	31
76,802	66,302	1,084,572	.....	61,754	67,265	190,992	3,744,428	5,524,215	1,588,795	1,243	233	.....	.....	.....	1,010	201	32
304,953	217,988	715,121	14,249	58,674	313,234	3,894,087	116,108	6,691,649	2,681,454	2,272	552	.....	28	.....	1,692	5	33
221,150	153,646	328,414	14,149	32,658	198,527	1,883,723	31,402	3,270,459	1,355,334	792	415	.....	3	.....	374	3	34
143,704	64,342	386,707	100	26,016	114,707	2,010,364	84,706	3,421,190	1,326,120	1,480	137	.....	25	.....	1,318	2	35
34,985	15,154	457,688	550	3,041	6,683	1,441,060	4,797	2,209,006	763,149	1,002	945	.....	2	.....	55	.....	36
40,038	29,866	266,434	150	13,610	4,387	456,665	5,366	1,108,887	646,856	108	.....	.....	.....	.....	108	.....	37
26,169	60,840	27,314	.....	8,476	16,190	573,107	2,132	926,738	351,499	51	25	.....	.....	.....	26	.....	38
379,551	166,276	6,077,107	.....	14,000	3,101,047	17,132,814	411,159	32,534,934	14,990,961	38,963	5,206	17,929	.....	15,405	423	22,528	39
2,500	1,200	12,080	.....	1,777	16	23,363	186	52,659	29,110	7	.....	.....	.....	.....	7	.....	40
9,320	5,985	14,609	.....	2,600	8,480	44,299	1,543	129,314	83,472	.....	.....	.....	.....	.....	.....	.....	41
189,037	75,274	1,089,676	125,847	220	477,781	4,428,378	504,105	9,425,657	4,493,174	10,038	9,243	420	15	105	255	217	42
1,800	780	19,262	2,246	1,300	75	11,055	362	53,435	42,018	10	.....	.....	.....	.....	10	.....	43
480,229	455,051	2,456,204	42,292	5,064	1,089,945	13,915,308	282,886	22,891,353	8,693,159	13,260	7,576	.....	765	.....	4,919	458	44
305,359	176,381	825,087	21,039	33,231	230,608	30,691,260	236,582	36,154,105	5,226,263	22,632	3,622	215	2,731	11,523	4,541	263	45
84,012	85,028	238,849	658	12,165	29,200	9,209,305	59,554	10,205,290	936,431	1,879	694	.....	.....	.....	1,185	.....	46
472,180	149,512	2,473,366	15,187	76,789	190,508	1,976,475	117,482	6,351,877	4,257,920	3,157	386	.....	144	41	2,586	.....	47
73,078	31,080	533,270	75	48,531	3,898	368,060	31,734	1,243,229	843,435	644	42	.....	27	.....	575	.....	48
269,217	72,562	1,418,754	373	25,318	159,322	1,226,756	51,138	3,748,780	2,470,886	1,726	164	.....	42	25	1,495	.....	49
129,885	45,270	521,342	14,739	2,940	27,288	381,659	34,610	1,359,868	943,599	787	180	.....	75	16	516	.....	50
191,603	145,440	1,105,266	1,200	6,428	119,945	2,494,862	53,434	5,042,925	2,494,629	2,438	1,590	.....	26	.....	822	50	51
157,479	135,880	912,636	1,200	2,506	118,108	2,351,078	49,332	4,606,801	2,206,391	2,189	1,515	.....	26	.....	648	50	52
34,124	9,560	192,630	.....	3,922	1,837	143,784	4,102	436,124	288,238	249	75	.....	.....	.....	174	.....	53
74,804	86,822	667,166	9,586	5	88,665	139,997	1,316,630	3,149,476	1,692,849	1,875	1,044	556	.....	.....	275	50	54
41,505	11,940	393,636	.....	.....	9,973	236,796	94,723	831,455	499,936	611	220	.....	.....	.....	391	.....	55
12,876	3,611	31,181	2,618	1,320	667	190,404	543	252,118	61,171	13	.....	.....	.....	.....	13	.....	56
48,666	27,268	318,885	.....	.....	21,343	1,609,071	77,534	2,428,763	742,158	1,073	580	.....	.....	.....	493	7	57
.....	3,600	19,511	186	945	130	19,838	503	60,018	39,677	21	17	.....	.....	.....	4	.....	58
243,817	72,883	975,667	6,996	54,502	161,183	458,512	739,569	3,964,639	2,766,558	18,670	14,875	414	997	275	2,109	393	59
122,270	55,235	1,020,940	.....	354	171,164	4,417,554	3,852,611	10,097,816	1,827,651	19,855	14,835	4,870	.....	150	.....	1,089	60
.....	1,000	18,717	.....	3,705	149	11,225	2,500	54,377	40,652	20	.....	.....	.....	.....	20	.....	61
134,537	56,193	1,002,361	42,451	29,829	62,606	2,843,134	59,006	4,684,504	1,782,364	1,459	1,044	.....	.....	.....	415	3	62
249,902	275,047	1,573,237	73,814	3,000	360,371	16,030,069	185,965	21,590,902	5,374,868	5,341	4,101	135	.....	10	1,092	1,883	63
121,636	24,025	586,844	2,979	879	64,811	466,197	264,001	1,875,173	1,144,975	3,149	1,399	.....	9	.....	1,741	.....	64
835,124	415,050	13,412,605	1,240,046	46,855	424,179	10,439,370	225,586	35,388,875	24,723,919	64,501	60,246	1,396	667	556	1,636	610	65
475,410	194,017	1,033,039	26,259	22,958	299,298	7,582,698	61,120	11,773,016	4,129,198	9,506	6,658	.....	249	75	2,524	225	66
49,750	18,514	399,727	5,298	20,014	8,911	442,022	43,182	1,149,065	663,861	1,176	735	.....	36	.....	405	.....	67
20,680	13,295	188,184	5,148	9,625	4,345	384,328	9,042	816,859	423,489	399	.....	.....	36	.....	363	.....	68
12,280	2,500	59,052	150	3,458	1,806	50,241	17,643	129,138	61,254	332	290	.....	.....	.....	42	.....	69
16,790	2,719	152,491	.....	7,831	2,760	7,453	16,497	203,068	179,118	445	445	.....	.....	.....	.....	.....	70

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

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

[5] Same number reported throughout the year.

TABLE 32.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.	Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
																Dollars.
1	Mattresses and spring beds, not elsewhere specified.	20	211	15	15	15	4	162	Oc 182	My 136	177	116	56	3	2	456,483
2	Millinery and lace goods, not elsewhere specified.	8	135	9	1	.....	6	119	Oc[3] 121	Jy 116	121	6	114	.....	1	63,993
3	Mineral and soda waters	100	703	88	84	85	19	427	.....	.....	452	419	24	9	.....	3,281,866
4	Mineral and carbonated waters	92	593	79	69	65	16	364	Jy 415	Ja 298	373	345	19	9	.....	2,070,127
5	Fruit beverages and all other	8	110	9	15	20	3	63	Oc 80	De[3] 55	79	74	5	.....	.....	1,211,739
6	Minerals and earths, ground or otherwise treated.	18	800	3	25	13	7	752	Se 851	Fe 636	735	732	.....	3	.....	3,154,598
7	Mirrors, framed and unframed, not elsewhere specified.	4	124	1	17	19	11	76	No[3] 82	Ja[3] 68	83	83	.....	.....	.....	171,613
8	Optical goods	9	128	2	12	14	11	89	Jy[3] 92	Ja[3] 86	91	77	14	.....	.....	130,525
9	Paints	10	162	3	21	21	13	104	Fe 108	My 98	107	106	1	.....	.....	1,088,074
10	Paper and wood pulp	10	2,127	.....	71	76	29	1,951	.....	.....	1,985	1,853	132	.....	.....	12,881,963
11	Paper only	6	685	.....	23	35	11	616	No 633	Ja 582	621	549	72	.....	.....	5,208,552
12	All other	4	1,442	.....	48	41	18	1,335	Se 1,417	Fe 1,183	1,364	1,304	60	.....	.....	7,673,411
13	Patent medicines and compounds	39	424	18	32	44	29	301	.....	.....	300	217	81	2	.....	1,551,762
14	Patent and proprietary medicines	31	194	15	22	31	22	104	My 108	Fe 99	112	40	70	2	.....	597,939
15	Patent and proprietary compounds, not elsewhere specified.	8	230	3	10	13	7	197	My[3] 239	Oc 95	188	177	11	.....	.....	953,823
16	Paving materials	24	652	29	22	11	4	586	Jy 698	Fe 408	668	668	.....	.....	.....	729,527
17	Peanuts, grading, roasting, cleaning, and shelling.	28	1,697	11	80	53	25	1,528	De 1,870	Oc 1,060	1,889	680	1,197	2	10	6,392,979
18	Photo-engraving	5	39	2	6	1	3	27	De[3] 31	My[3] 25	31	29	1	1	.....	46,726
19	Pickles, preserves, and sauces	7	114	5	12	6	5	86	Se 120	Mh 58	112	56	30	7	10	257,016
20	Printing and publishing, book and job.	174	2,185	154	145	99	92	1,695	.....	.....	1,754	1,081	546	101	26	5,590,917
21	Job printing	163	1,856	151	114	65	72	1,454	No 1,501	Mh 1,423	1,510	950	434	100	26	4,287,827
22	Book publishing and printing and linotype work.	7	298	3	25	16	13	241	No 245	Ap 237	244	131	112	1	.....	1,296,308
23	Book publishing without printing.	4	31	.....	6	18	7	.....	.....	.....	.....	.....	.....	.....	.....	6,782
24	Printing and publishing, newspapers and periodicals.	197	1,758	172	146	318	158	964	.....	.....	1,016	846	112	50	8	5,131,285
25	Printing and publishing	26	718	15	63	157	66	417	Je 420	Fe 399	434	378	30	26	.....	2,322,723
26	Printing, publishing, and job printing.	133	909	143	56	131	62	517	No 541	Fe 497	549	436	81	24	8	2,677,163
27	Publishing without printing	38	131	14	27	30	30	30	Oc 36	Mh 24	33	32	1	.....	.....	131,309
28	Roofing materials	4	45	1	8	.....	1	35	Au 44	Fe 28	40	40	.....	.....	.....	91,108
29	Saddlery and harness	33	380	33	25	56	41	225	De 248	Ja[3] 210	250	232	18	.....	.....	1,705,654
30	Shipbuilding, wooden, including boat building.	30	1,278	32	44	30	13	1,159	.....	.....	1,603	1,602	1	.....	.....	4,087,140
31	New vessels	11	755	9	31	24	8	683	Fe 1,177	No 437	1,175	1,175	.....	.....	.....	2,454,054
32	Repair work only	13	502	13	13	6	5	465	Ap 550	No 357	417	416	1	.....	.....	1,620,486
33	Small boats	6	21	10	.....	.....	.....	11	Au 13	No[3] 9	11	11	.....	.....	.....	12,600
34	Shirts	5	133	2	3	.....	1	127	Ja 158	My 97	154	6	144	.....	4	88,212
35	Signs, other than electric	4	51	4	2	8	3	34	Au 44	Ja[3] 24	51	46	5	.....	.....	48,580
36	Silk goods, including throwsters	10	717	3	34	7	12	661	.....	.....	713	237	428	20	28	869,111
37	Finished products	5	341	.....	21	6	7	307	De 331	Je 260	321	133	187	.....	1	379,405
38	Throwsters and winders	5	376	3	13	1	5	354	De 401	My[3] 331	392	104	241	20	27	489,706
39	Slaughtering and meat packing	25	629	24	43	45	15	502	Oc 588	No 440	599	549	50	.....	.....	3,156,150
40	Stoves and ranges	5	404	3	23	30	14	334	Se 365	Ja 294	359	359	.....	.....	.....	1,359,693
41	Structural ironwork, not made in steel works or rolling mills.	7	976	1	38	133	13	791	Ja 963	De 598	597	596	1	.....	.....	1,726,430
42	Tinware, not elsewhere specified	8	634	3	23	25	11	572	Ja 646	Ap 497	593	471	121	1	.....	2,414,094
43	Tobacco, chewing and smoking	14	2,403	5	115	154	51	2,078	.....	.....	2,186	1,190	979	9	8	15,307,559
44	Plug or chewing	8	1,271	5	47	20	12	1,187	Oc 1,329	Je 1,070	1,310	652	645	7	6	4,130,105
45	Smoking	6	1,132	.....	68	134	39	891	Oc 979	Mh 834	876	538	334	2	2	11,168,394
46	Tobacco, cigars and cigarettes	49	8,041	46	87	483	90	7,335	No 9,008	Ap 6,319	8,270	2,588	5,371	25	286	24,620,568
47	Trunks and valises	15	1,004	4	84	71	42	1,703	No 1,812	Ja 1,549	1,805	1,598	191	15	1	5,249,497
48	Upholstering materials, excelsior	17	228	29	16	5	4	174	De 203	Ja 146	216	203	13	.....	.....	487,064
49	Vinegar and cider	11	189	7	14	2	6	160	.....	.....	151	130	21	.....	.....	1,016,759
50	Vinegar	7	175	2	13	2	6	152	Oc 258	Mh 94	138	120	18	.....	.....	951,265
51	Cider	4	14	5	1	.....	.....	8	Oc[3] 13	Mh[3] 6	13	10	3	.....	.....	65,494
52	Wirework, not elsewhere specified	3	4	3	.....	.....	.....	1	(4) 1	(4) 1	1	1	.....	.....	.....	4,075
53	Wood preserving	4	175	.....	15	8	1	151	Je 189	De 94	144	144	.....	.....	.....	1,320,553
54	Wood, turned and carved	17	412	18	169	5	2	218	De 238	Ja[3] 206	264	258	.....	6	.....	351,885
55	Woolen goods	12	668	7	20	7	4	630	Oc 663	Mh 591	662	454	204	2	2	2,338,695
56	All other industries*	187	26,841	116	988	1,294	439	24,004	.....	.....	.....	.....	.....	.....	.....	87,416,515

*All other industries embrace—

Artificial limbs	2
Automobiles	2
Babbitt metal	2
Bags, paper, exclusive of those made in paper mills	1
Baking powders and yeast	2
Baskets, and rattan and willow ware	3
Belting and hose, woven, other than rubber	1
Belting, leather	3
Billiard tables and accessories	1
Blacking, stains, and dressings	1
Bluing	1
Boot and shoe cut stock	1
Boots and shoes	5
Boxes, cigar	1
Brass and bronze products	2
Canning and preserving, oysters	1
Carriage and wagon materials	3
Cars, steam-railroad, not including operations of railroad companies	2
Cement	1
Cheese	2
Chewing gum	1
Clothing, women's	6
Coal-tar products	3
Condensed milk	1
Cordage and twine	1
Dairymen's and poultrymen's supplies	11
Drug grinding	1
Electrical machinery, apparatus, and supplies	5
Electroplating	2
Engines, steam, gas, and water	1
Engraving and diesinking	1
Envelopes	3
Fancy articles, not elsewhere specified	1
Ferroalloys	1
Fireworks	1
Flags and banners	2
Flavoring extracts	7
Fuel, briquetted	1
Fur goods	3
Glass, cutting, staining, and ornamenting	2
Hair work	1
Hardware	4
Hats and caps, other than felt, straw, and wool	2
Hats, straw	1
Ink, writing	1
Iron and steel, steel works and rolling mills	2
Iron and steel, cast-iron pipe	3
Iron and steel, doors and shutters	1
Iron and steel, forgings, not made in steel works or rolling mills	3

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

EXPENSES. Salaries and wages. Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent and taxes. Rent of factory.	Taxes, Federal, state, county, and local.	For materials. Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	POWER. Primary horsepower. Total.	Owned. Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*								
37,421	22,944	134,006	500	11,765	11,800	506,150	5,339	867,012	355,523	317	.....	.....	.....	.....	317	.....	1
2,139	3,107	79,119	.....	8,301	4,839	98,099	980	236,113	137,034	33	.....	.....	.....	.....	33	.....	2
199,864	195,094	302,613	16,624	35,642	235,066	2,369,751	56,171	4,340,107	1,914,185	1,228	260	.....	76	.....	892	.....	3
168,502	120,040	307,218	6,197	29,190	195,422	2,078,081	34,716	3,591,988	1,479,191	786	60	.....	72	.....	654	.....	4
31,362	75,054	85,395	10,427	6,452	39,644	291,670	21,455	748,119	434,994	442	200	.....	4	.....	238	.....	5
56,964	18,018	614,023	12,446	14,073	32,592	328,401	101,548	1,542,742	1,112,793	4,560	1,787	.....	6	1,402	1,365	1,505	6
19,144	5,500	31,154	.....	1,900	5,945	224,420	4,123	306,000	77,457	109	.....	.....	.....	.....	109	.....	7
34,340	23,508	82,492	.....	7,750	2,714	119,876	2,962	332,619	209,781	64	.....	.....	.....	.....	64	.....	8
78,246	48,555	103,539	1,500	6,010	13,828	685,918	28,127	1,141,775	427,730	393	160	.....	.....	30	203	.....	9
454,351	170,160	1,958,230	.....	80,388	498,419	7,051,937	743,737	13,602,264	5,806,590	15,367	6,321	6,575	225	1,865	381	8,694	10
122,900	86,596	540,373	.....	2,226	149,061	1,921,103	89,609	3,932,737	1,922,025	3,251	1,525	.....	225	1,315	186	.....	11
331,391	83,564	1,417,857	.....	78,162	349,358	5,130,834	654,128	9,669,527	3,834,565	12,116	4,796	6,575	.....	550	195	8,694	12
64,952	97,413	262,444	.....	20,558	325,191	831,411	31,036	1,871,789	1,009,342	570	500	.....	.....	1	69	8	13
34,219	69,575	60,718	.....	17,680	28,385	428,986	1,979	801,635	370,670	46	.....	.....	.....	.....	46	.....	14
30,733	27,838	201,726	.....	2,878	296,806	402,425	29,057	1,070,154	638,672	524	500	.....	.....	1	23	8	15
37,226	18,061	510,544	.....	19,298	4,906	328,668	100,262	1,207,691	778,761	3,961	2,733	810	103	.....	315	150	16
266,731	102,295	830,387	10,350	45,496	198,138	19,973,100	76,270	23,162,211	3,112,841	4,234	2,645	.....	.....	.....	1,589	198	17
7,170	3,052	45,510	250	2,291	263	19,552	2,180	105,971	84,239	26	.....	.....	.....	.....	26	.....	18
18,654	14,930	44,134	3,127	4,818	8,331	287,923	6,141	467,915	173,851	137	125	.....	.....	.....	12	.....	19
400,151	171,320	1,617,355	684,835	93,462	139,568	2,347,700	70,773	7,028,143	4,609,670	1,404	150	.....	9	.....	1,245	21	20
307,548	124,798	1,441,440	100,386	80,838	105,768	2,124,777	63,044	5,603,208	3,415,387	1,296	150	.....	9	.....	1,137	21	21
84,043	27,060	175,915	489,767	11,515	33,650	222,129	7,729	1,344,814	1,114,956	108	.....	.....	.....	.....	108	.....	22
8,560	19,462	.....	34,082	1,059	150	794	.....	80,121	79,327	.....	.....	.....	.....	.....	.....	.....	23
340,202	483,368	1,145,044	124,074	54,281	110,025	2,024,426	59,826	5,997,572	3,913,320	1,549	10	.....	147	4	1,388	8	24
170,941	339,761	525,574	2,149	23,726	64,244	948,007	28,424	3,154,875	2,178,444	742	.....	.....	11	.....	731	.....	25
125,526	97,652	587,842	6,291	24,551	43,719	1,017,039	29,127	2,302,536	1,256,370	734	10	.....	136	4	634	7	26
43,825	45,955	31,628	115,634	6,004	2,062	59,380	2,275	540,161	478,506	23	.....	.....	.....	.....	23	1	27
16,744	584	35,882	.....	590	2,701	65,872	1,385	147,682	80,425	6	.....	.....	.....	.....	6	.....	28
111,001	40,463	224,096	.....	8,470	12,118	880,526	4,183	1,504,129	619,420	129	.....	.....	15	.....	114	.....	29
254,141	55,742	1,636,577	.....	690	233,542	994,956	25,557	4,582,130	3,561,617	2,090	495	.....	184	.....	1,411	272	30
148,108	38,524	912,018	.....	475	140,941	591,090	13,213	3,058,777	2,454,474	881	445	.....	131	.....	305	272	31
106,033	17,218	712,939	.....	150	92,470	392,991	11,689	1,490,018	1,085,338	1,162	30	.....	26	.....	1,106	.....	32
.....	.....	11,620	.....	65	131	10,875	655	33,335	21,805	47	20	.....	27	.....	.....	.....	33
4,177	531	57,853	.....	2,790	3,736	59,580	2,142	151,238	89,516	62	.....	.....	.....	.....	62	.....	34
1,737	14,080	22,140	68	1,842	283	55,396	707	107,363	51,260	15	.....	.....	.....	.....	15	.....	35
65,001	28,023	367,354	46,274	6,200	20,875	577,290	31,447	1,550,712	941,975	1,811	810	.....	.....	525	476	425	36
46,988	23,944	186,976	46,274	5,000	7,546	540,851	15,661	1,195,500	638,988	380	235	.....	.....	.....	145	25	37
18,013	4,079	180,378	.....	1,200	13,329	36,439	15,786	355,212	302,987	1,431	575	.....	.....	525	331	400	38
86,175	67,338	455,791	.....	23,697	38,794	6,139,374	88,193	7,589,320	1,361,753	3,073	2,162	.....	7	1	903	424	39
79,083	44,385	361,973	.....	12,961	30,597	514,371	24,933	1,396,474	857,170	498	70	.....	.....	.....	428	.....	40
154,355	219,353	1,119,140	4,044	3,444	175,238	1,526,956	83,139	3,806,887	2,196,792	3,037	40	.....	.....	5	2,992	.....	41
65,992	50,045	479,589	.....	5,278	89,416	2,487,336	18,127	3,446,983	941,520	515	125	.....	.....	.....	390	.....	42
283,924	364,757	1,007,273	1,500	18,056	2,832,694	9,032,786	104,760	15,076,671	5,939,125	1,071	660	.....	.....	.....	411	.....	43
98,607	42,138	516,783	1,500	17,416	484,517	1,801,854	34,370	3,125,535	1,289,311	537	460	.....	.....	.....	77	.....	44
185,317	322,619	550,490	.....	640	2,348,177	7,230,932	70,390	11,951,136	4,649,814	534	200	.....	.....	.....	334	.....	45
309,197	709,685	5,448,166	.....	376,702	13,213,342	36,305,470	168,304	63,273,138	26,799,364	4,300	3,400	.....	.....	.....	900	1,539	46
303,766	184,001	1,083,736	.....	3,948	475,182	4,119,725	17,246	8,618,472	4,481,501	1,557	1,430	.....	.....	.....	127	437	47
25,436	9,387	136,004	450	372	6,267	287,198	6,145	568,167	274,824	1,742	1,612	.....	5	.....	125	.....	48
29,400	7,000	133,755	.....	2,030	47,565	903,203	10,114	1,226,840	313,523	403	115	.....	16	.....	272	.....	49
28,200	7,090	123,000	.....	1,530	47,050	845,119	9,368	1,142,195	287,708	335	85	.....	13	.....	237	.....	50
1,200	.....	10,695	.....	500	515	58,084	746	84,645	25,815	68	30	.....	3	.....	35	.....	51
.....	.....	1,150	.....	780	749	2,224	80	7,129	4,825	.....	.....	.....	.....	.....	.....	.....	52
61,240	10,380	133,859	.....	1,423	20,987	617,983	33,413	945,080	293,684	500	500	.....	.....	.....	.....	13	53
37,600	7,820	172,965	.....	2,889	3,207	317,459	4,520	606,540	284,561	1,031	959	.....	3	.....	69	5	54
43,975	16,081	469,223	183	771	141,455	1,488,254	50,143	2,693,142	1,154,745	1,405	630	.....	138	337	300	300	55
3,214,872	2,492,820	30,241,289	154,654	121,548	4,099,769	63,871,833	2,420,542	121,232,654	54,940,279	30,741	20,858	5,960	1,963	6,760	45,200	14,969	56

Jewelry 3
Jute goods 1
Labels and tags 1
Lard, not made in slaughtering and meat-packing establishments 2
Lithographing 1
Locomotives, not made by railroad companies 1
Looking-glass and picture frames 1
Millstones 2
Models and patterns, not including paper patterns 2
Musical instruments, organs 2
Musical instruments, piano materials 1
Oil and cake, cottonseed 1
Oil, essential 2
Oil, animal 4
Paper goods, not elsewhere specified 4
Perfumery and cosmetics 6
Petroleum, refining 1
Phonographs and graphophones 1
Pipes, tobacco 2
Plated ware, knives, forks, and spoons 1
Plumbers' supplies, not elsewhere specified 1
Pottery 2
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments 2
Printing and publishing, music 1
Pulp goods 1
Pumps, steam 1
Safes and vaults 1
Sausage, not made in slaughtering and meat-packing establishments 2
Shipbuilding, steel, new vessels 5
Show cases 1
Smelting, copper 1
Smelting and refining, not from the ore 2
Soap 1
Sporting and athletic goods 1
Stationery goods, not elsewhere specified 1
Statuary and art goods 1
Steam fittings and steam and hot-water heating apparatus 2
Stencils and brands 1
Stereotyping and electrotyping 1
Sulphuric, nitric, and mixed acids 1
Textile machinery and parts 1
Tools, not elsewhere specified 2
Varnishes 1
Wall plaster 3
Whips 1
Window shades and fixtures 1
Wooden goods, not elsewhere specified 1

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

[2] Same number reported throughout the year.

TABLE 32.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	**NORFOLK**—All industries	207	6,095	158	344	311	163	5,119	Oc 5,919	My 4,480	5,741	4,118	1,578	28	17	*Dollars.* 22,516,307
2	Awnings, tents, and sails	3	69	3	9	2	3	52	Je 76	Ja [3] 44	45	35	10	.....	.....	197,970
3	Boxes, wooden packing, except cigar boxes.	5	452	2	7	3	4	436	My 473	Au 169	456	290	148	11	7	1,855,875
4	Bread and other bakery products	18	363	16	23	25	9	290	De 312	Ja 275	318	267	50	1	.....	964,276
5	Clothing, men's	7	300	10	17	8	2	263	No 283	Fe 238	282	46	236	.....	.....	407,535
6	Confectionery and ice cream	6	158	2	12	7	3	134	De [3] 145	Ja 115	145	60	85	.....	.....	571,518
7	Copper, tin, and sheet-iron work	5	63	2	9	1	1	50	No 53	Jy 47	49	48	.....	1	.....	156,421
8	Foundry and machine-shop products	7	322	11	13	22	3	273	No 408	My 41	375	374	.....	1	.....	649,568
9	Ice, manufactured	8	182	2	16	8	1	155	Jy 182	De 125	135	135	.....	.....	.....	1,616,342
10	Lumber planing-mill products, not including planing mills connected with sawmills.	8	237	9	20	10	2	196	Se 220	Ja 166	197	196	1	.....	.....	1,216,205
11	Mineral and soda waters	8	128	5	16	26	4	77	Oc 92	De 66	90	74	16	.....	.....	1,197,450
12	Paints	3	39	2	7	3	6	21	No 27	Jy 17	26	26	.....	.....	.....	171,681
13	Printing, job	25	189	21	23	4	5	136	De [3] 142	My 129	142	110	28	4	.....	404,981
14	Printing and publishing, newspapers and periodicals.	6	242	1	25	72	35	109	No 116	Fe 104	115	109	6	.....	.....	1,267,506
15	All other industries*	98	3,351	72	147	120	85	2,927	.....	.....	3,366	2,348	998	10	10	11,838,479

*All other industries embrace—
Agricultural implements 2
Artificial limbs 1
Artificial stone products 2
Automobile bodies and parts 2
Automobile repairing 2
Bags, other than paper, not including bags made in textile mills 5
Belting, leather 1
Boxes, paper, shipping containers and set-up paper boxes 3
Brooms, from broom corn 1
Carriages and wagons, including repairs 7
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 1
Chemicals 2
Clothing, women's 2
Coffee, roasting and grinding 1
Coffins, burial cases, and undertakers' goods 1
Cooperage, hogsheads and barrels 1
Engraving, steel and copper plate, including plate printing 1
Flavoring extracts 3
Flour-mill and gristmill products 1
Food preparations, not elsewhere specified 6
Fur goods 1
Furniture, store and office fixtures 3
Gas, illuminating and heating 1

1	**PORTSMOUTH**—All industries	48	2,521	37	116	87	44	2,237	Mh 2,330	Je 2,111	2,362	2,065	283	9	5	8,137,220
2	Bread and other bakery products	3	44	2	2	1	2	37	Je [3] 38	Ap [3] 36	37	34	3	.....	.....	53,199
3	Confectionery, ice cream	4	65	3	5	1	2	54	Jy [3] 74	Ja [3] 38	43	41	2	.....	.....	234,210
4	Ice, manufactured	3	110	9	8	6	1	86	Jy 110	Ja [3] 65	74	74	.....	.....	.....	638,810
5	Lumber, planing-mill products, not including planing mills connected with sawmills.	5	115	3	5	1	4	102	Se 121	Ja 84	101	98	.....	3	.....	217,645
6	Printing, job	4	37	5	4	1	1	26	(4) 26	(4) 26	26	24	2	.....	.....	67,586
7	All other industries*	29	2,150	15	92	77	34	1,932	 1,961	1,862	2,081	1,794	276	6	5	6,875,770

* All other industries embrace—
Bags, other than paper, not including bags made in textile mills 1
Boxes, wooden packing, except cigar boxes 2
Brass and bronze products 1
Carriages and wagons, including repairs 2
Cars and general shop construction and repairs by steam-railroad companies 1
Cooperage, hogsheads and barrels 1
Fertilizers 1
Foundry and machine-shop products 1
Furniture, wood, other than rattan and willow 2

1	**RICHMOND**—All industries	550	25,661	417	879	1,938	668	21,759	Oc 22,855	Jy 20,827	21,729	14,592	6,744	137	256	93,067,408
2	Automobile bodies and parts	6	81	2	8	3	2	66	Je [3] 73	Fe [3] 56	68	42	26	.....	.....	182,871
3	Automobile repairing	49	233	60	7	6	11	149	Se [3] 152	Ja [3] 145	152	150	2	.....	.....	221,000
4	Awnings, tents, and sails	6	23	6	1	1	.....	15	Jy 22	Ja [3] 11	15	9	6	.....	.....	11,271
5	Boxes, paper and other, not elsewhere specified.	11	463	6	31	5	12	409	No 440	Je 385	439	207	226	2	4	787,076
6	Boxes, wooden packing, except cigar boxes.	4	343	.....	7	4	4	328	No 345	Ap 313	342	342	.....	.....	.....	613,575
7	Bread and other bakery products	21	745	23	28	108	14	572	De 624	Fe 472	624	455	165	.....	4	1,651,058
8	Carriages and wagons, including repairs.	12	107	14	5	2	2	84	Jy 87	Ja 79	86	86	.....	.....	.....	106,271
9	Cars and general shop construction and repairs by steam-railroad companies.	4	1,929	.....	63	77	11	1,778	Mh 1,877	Je 1,582	1,825	1,810	15	.....	.....	4,147,202
10	Coffee, roasting and grinding	8	155	3	11	44	7	90	Oc 96	Au [3] 88	91	62	29	.....	.....	427,987
11	Confectionery and ice cream	14	358	8	32	26	15	277	Se 309	No 193	270	184	86	.....	.....	1,058,541
12	Copper, tin, and sheet-iron work	16	154	18	8	4	2	122	Oc 130	Mh 114	137	137	.....	.....	.....	217,914
13	Foundry and machine-shop products	22	326	23	18	9	10	266	No 284	Fe 244	283	283	.....	.....	.....	532,233
14	Furniture	6	226	4	11	9	11	191	De 212	Fe 179	212	199	7	6	.....	495,271
15	Ice, manufactured	8	150	6	18	3	4	119	Se 149	Fe 83	117	116	1	.....	.....	1,306,258
16	Lumber, planing-mill products, not including planing mills connected with sawmills.	10	723	5	20	43	7	648	No 721	Ja 559	715	715	.....	.....	.....	1,604,310
17	Marble and stone work, except slate	13	60	15	2	.....	.....	43	De 53	Ja [3] 36	47	47	.....	.....	.....	90,373
18	Mattresses and spring beds, not elsewhere specified.	6	39	7	.....	1	2	29	Ja [3] 32	Je 26	35	24	9	2	.....	99,017

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—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.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
Dollars. 1,272,181	*Dollars.* 838,732	*Dollars.* 5,082,062	*Dollars.* 118,117	*Dollars.* 266,498	*Dollars.* 704,628	*Dollars.* 14,927,588	*Dollars.* 693,935	*Dollars.* 29,587,662	*Dollars.* 13,966,139	15,083	6,670	486	47	.....	7,880	144	1
32,060	4,800	70,834	.....	4,820	1,762	240,190	713	428,554	187,651	32	.....	.....	.....	.....	32	.....	2
62,051	16,056	312,839	.....	2,717	16,750	763,700	7,242	1,251,465	480,523	1,340	875	.....	.....	.....	465	.....	3
68,329	63,296	329,748	634	8,872	22,938	2,117,245	33,297	3,298,981	1,148,439	347	.....	.....	.....	.....	347	.....	4
49,300	46,194	150,058	.....	9,345	13,005	633,626	2,468	999,194	363,100	33	15	.....	.....	.....	18	8	5
55,740	21,846	100,480	.....	3,300	28,396	682,886	15,712	1,022,419	323,821	459	135	.....	.....	.....	324	.....	6
22,426	3,125	41,873	.....	3,000	1,076	79,339	1,359	189,973	109,275	9	.....	.....	.....	.....	9	.....	7
126,853	54,148	590,810	13,617	49,274	17,976	356,989	18,037	1,424,789	1,049,763	340	20	.....	.....	.....	320	.....	8
45,215	11,985	207,785	.....	48,000	51,812	123,634	139,210	837,814	574,970	3,887	3,455	.....	.....	.....	432	.....	9
64,793	10,022	251,531	.....	4,130	31,787	1,319,390	5,339	1,985,909	661,180	1,029	560	.....	.....	.....	469	.....	10
35,221	83,885	96,045	500	7,240	38,616	310,941	23,164	705,924	371,819	484	200	.....	25	.....	259	.....	11
42,742	21,083	22,132	1,500	3,310	2,429	310,980	1,908	452,644	139,756	91	.....	.....	.....	.....	91	.....	12
55,506	9,612	160,806	3,524	10,643	21,772	194,139	7,404	592,907	391,364	173	.....	.....	.....	.....	173	.....	13
73,739	171,793	185,004	24,699	12,640	44,121	475,123	11,138	1,572,520	1,086,259	284	.....	.....	.....	.....	284	.....	14
537,606	311,887	3,462,117	73,643	99,207	412,188	7,319,406	426,944	14,824,569	7,078,219	6,575	1,410	486	22	.....	4,657	136	15

Hand stamps..... 1
Ink, writing..... 1
Jewelry..... 1
Jute goods..... 1
Knit goods..... 2
Lime..... 1
Lumber and timber products..... 1
Marble and and stone work, monuments and tombstones..... 1
Mattresses and spring beds, not elsewhere specified..... 2
Mirrors, framed and unframed, not elsewhere specified..... 1
Models and patterns, not including paper patterns..... 1
Optical goods..... 1
Patent and proprietary medicines..... 4
Peanuts, grading, roasting, cleaning, and shelling..... 2
Photo-engraving..... 1
Plated ware, knives, forks, and spoons 1
Roofing materials, except metal..... 1
Saddlery and harness..... 1
Shipbuilding, steel, repair work only.. 3
Shipbuilding, wooden..... 5
Silk goods..... 2
Stencils and brands..... 1
Structural iron work, not made in steel works or rolling mills..... 1
Tobacco, cigars and cigarettes..... 10
Wirework, not elsewhere specified..... 1

357,059	173,414	2,300,281	12,591	11,409	157,120	4,780,095	286,875	9,376,179	4,300,209	7,573	3,474	10	365	.....	3,724	129	1
5,420	3,556	42,093	50	1,380	209	178,526	3,161	280,950	99,263	13	.....	.....	.....	.....	13	.....	2
20,800	3,600	73,324	.....	1,109	2,071	315,812	4,460	443,809	123,537	148	.....	.....	.....	.....	148	.....	3
16,140	9,610	89,799	1,275	.....	13,313	30,879	68,010	316,102	217,213	1,474	1,049	.....	365	.....	60	109	4
16,675	5,225	124,347	.....	728	3,324	463,728	968	738,503	273,807	499	360	.....	.....	.....	139	.....	5
12,329	1,680	19,976	850	1,850	197	23,158	919	88,030	63,953	18	.....	.....	.....	.....	18	.....	6
286,595	149,743	1,950,742	10,416	6,342	138,006	3,776,992	209,357	7,508,785	3,522,436	5,421	2,065	10	.....	.....	3,346	20	7

Gas, illuminating and heating..... 1
Grease and tallow, not including lubricating greases..... 1
Knit goods..... 1
Marble and stone work, monuments and tombstones..... 1
Mattresses and spring beds, not elsewhere specified..... 3
Mineral and carbonated waters..... 2
Minerals and earths, ground or otherwise treated..... 1
Patent medicines and compounds..... 2
Printing and publishing, newspapers and periodicals..... 2
Tobacco, cigars..... 2
Wood preserving..... 1

2,945,005	3,179,896	19,842,938	916,983	804,713	17,879,621	87,689,819	1,754,113	156,724,322	67,280,390	40,828	14,741	663	2,009	7,665	15,750	7,543	1
13,707	2,733	50,778	374	3,107	594	188,199	1,794	301,396	111,403	40	.....	.....	.....	.....	40	.....	2
7,660	13,795	159,693	.....	32,333	2,814	465,164	7,883	857,632	384,585	87	.....	.....	.....	.....	87	.....	3
600	225	8,325	.....	1,650	145	22,372	309	47,311	24,630	7	.....	.....	.....	.....	7	.....	4
71,060	11,657	249,434	.....	18,760	16,468	516,691	10,892	1,086,065	558,482	419	85	.....	.....	.....	334	2	5
26,240	12,555	300,444	.....	12,832	10,434	812,829	4,141	1,413,692	596,722	686	600	49	.....	.....	37	5	6
96,243	213,795	502,448	.....	13,270	105,987	2,551,326	52,858	4,364,218	1,760,034	702	100	.....	.....	.....	602	.....	7
9,659	3,640	96,262	.....	5,620	1,631	85,688	3,620	252,211	162,903	61	.....	.....	.....	.....	61	.....	8
177,141	114,668	2,608,092	.....	.....	5,342	3,405,163	39,755	6,349,385	2,904,467	759	599	.....	.....	.....	160	1,035	9
25,240	58,571	63,841	.....	8,480	51,432	2,258,769	14,220	2,751,825	478,836	285	.....	.....	.....	.....	285	.....	10
151,173	62,880	237,027	14,149	29,285	189,097	1,209,450	48,060	2,322,052	1,064,542	679	175	.....	.....	.....	504	.....	11
10,362	5,913	157,394	.....	8,320	1,114	202,191	2,751	482,810	277,868	32	.....	.....	.....	.....	32	.....	12
46,036	23,301	331,871	.....	11,320	23,269	316,852	17,961	961,926	627,113	327	129	.....	54	.....	144	.....	13
44,273	19,046	229,585	.....	800	5,874	264,813	6,212	697,140	426,115	207	100	.....	.....	.....	107	.....	14
48,190	4,277	139,844	750	5,120	29,249	48,333	153,201	552,163	350,629	2,860	2,255	314	.....	.....	291	195	15
93,374	75,693	585,620	14,410	10,136	93,558	1,406,510	7,330	2,442,606	1,028,766	1,435	1,350	.....	.....	.....	85	200	16
3,276	.....	45,224	.....	960	786	56,289	2,082	135,722	77,351	158	.....	.....	28	.....	130	.....	17
.....	2,072	29,590	.....	3,125	703	66,095	675	154,366	87,596	36	.....	.....	.....	.....	36	.....	18

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

[2] Same number reported throughout the year.

TABLE 32.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.		WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
	RICHMOND—Continued.																	Dollars.
1	Millinery and lace goods, not elsewhere specified.	8	135	9	1	.....	6	119	Oc	122	Jy	116	121	6	114	.....	1	63,993
2	Mineral and carbonated waters	7	93	2	18	18	5	50	Jy	60	My	32	55	54	1	.....	.....	343,969
3	Patent medicines and compounds	13	114	5	9	19	11	70	Se[3]	74	Mh	66	74	35	39	.....	.....	208,662
4	Printing and publishing, book and job	63	1,278	52	76	72	53	1,025	No	1,052	Fe	1,006	1,052	629	322	78	24	3,196,633
5	Printing and publishing, newspapers and periodicals.	31	467	10	29	151	60	217	.....	.....	.....	.....	227	197	20	5	5	1,831,722
6	Printing, publishing, and job printing.	12	412	4	19	137	37	215	De	221	Je	210	225	195	20	5	5	1,791,372
7	Publishing without printing	19	55	6	10	14	23	2	(4)	2	(4)	2	2	2	.....	.....	.....	40,350
8	Tobacco, chewing and smoking	5	1,264	.....	74	134	40	1,016	Oc	1,094	Mh	964	1,002	565	432	2	3	11,588,145
9	Tobacco, cigars and cigarettes	10	6,203	8	61	464	78	5,592	No	6,653	My	4,920	6,151	1,902	4,045	4	200	21,051,432
10	All other industries*	197	9,992	131	341	735	301	8,484	.....	.....	.....	.....	7,588	6,336	1,199	38	15	41,230,534

*All other industries embrace—
Agricultural implements 1
Artificial limbs 1
Artificial stone products 1
Automobiles 1
Babbitt metal 2
Bags, paper, exclusive of those made in paper mills 1
Bags, other than paper, not including bags made in textile mills 7
Baking powders and yeast 2
Baskets, and rattan and willow ware 1
Belting, leather 2
Billiard tables and accessories 1
Blacking, stains, and dressings 1
Bluing 1
Bookbinding and blank-book making 3
Boot and shoe cut stock 1
Boxes, cigar 1
Brass and bronze products 1
Brick 1
Brooms 2
Butter 2
Cars and general shop construction and repairs by electric-railroad companies 2
Chemicals 3
Chewing gum 1
Cleansing and polishing preparations 2
Clothing, men's 2
Clothing, women's 3
Coffins, burial cases, and undertakers' goods 1
Cooperage, hogsheads and barrels 2
Cordials and flavoring sirups 3
Dental goods 5
Drug grinding 1
Druggists' preparations 7
Electrical machinery, apparatus, and supplies 1
Electroplating 2
Engraving and diesinking 1
Engraving, steel and copper plate, including plate printing 4
Envelopes 2
Fancy articles, not elsewhere specified 1
Fertilizers 4
Flavoring extracts 3
Flour-mill and gristmill products 4
Food preparations, not elsewhere specified 6
Fur goods 2
Gas, illuminating and heating 3
Glass 1
Glass, cutting, staining, and ornamenting 1
Grease and tallow, not including lubricating greases 2
Hair work 1
Hand stamps 1
Hardware 2
Hats and caps, other than felt, straw, and wool 1

1	ROANOKE—All industries	99	8,600	56	286	415	103	7,740	Oc	8,235	Mh	6,499	8,384	7,371	950	33	30	21,187,946
2	Bread and other bakery products	6	71	9	2	4	8	48	De[3]	53	Ja[3]	45	52	52	.....	.....	.....	183,381
3	Cars and general shop construction and repairs by steam-railroad companies.	3	5,060	.....	123	174	15	4,748	Fe	5,221	Mh	3,847	5,186	5,185	1	.....	.....	7,127,213
4	Confectionery	4	62	.....	8	9	4	41	De	51	Jy	35	51	13	38	.....	.....	300,641
5	Ice, manufactured	3	50	.....	6	2	2	40	Au	64	Mh	20	35	34	.....	1	.....	430,886
6	Lumber, planing-mill products, not including planing mills connected with sawmills.	6	137	2	17	7	1	110	No	145	Ja	72	145	145	.....	.....	.....	1,009,058
7	Mineral and carbonated waters	6	44	2	8	4	2	28	Se[3]	34	Ja	18	32	28	2	2	.....	302,305
8	Printing, job	6	227	6	9	6	13	193	Oc[3]	196	My	188	194	91	94	7	2	899,201
9	All other industries*	65	2,949	37	113	209	58	2,532	.....	.....	.....	.....	2,689	1,823	815	23	28	10,935,261

*All other industries embrace—
Automobile bodies and parts 2
Automobile repairing 2
Awnings, tents, and sails 1
Brick, fire 1
Butter 2
Canning and preserving, vegetables 1
Carriages and wagons, including repairs 2
Cars and general shop construction and repairs by electric-railroad companies 1
Chemicals 1
Cleansing and polishing preparations 1
Clothing, men's 2
Clothing, women's, undergarments and petticoats 1
Coffee, roasting and grinding 1
Copper, tin, and sheet-iron work 2
Cordage and twine 1
Envelopes 1
Fertilizers 1
Flour-mill and gristmill products 5
Foundry and machine-shop products 4
Gas, illuminating and heating 2
Gloves and mittens, leather 1
Hats and caps, other than felt, straw, and wool 1
Iron and steel, blast furnaces 1

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

1	ALEXANDRIA	35	4,312	21	94	142	43	4,012	Se	4,423	Ja	3,514	3,579	3,391	90	73	15	19,237,830
2	CHARLOTTESVILLE	37	554	34	41	22	7	450	Au	465	Ja	439	455	370	85	.....	.....	1,310,607
3	DANVILLE	44	6,069	26	88	102	26	5,827	No	6,023	Ja	5,644	6,061	3,730	2,201	62	68	29,260,906
4	LYNCHBURG	65	5,066	18	193	221	148	4,486	Oc	5,020	Ja	3,908	4,891	2,748	1,987	98	58	17,597,854
5	PETERSBURG	116	5,452	71	241	157	92	4,891	De	5,318	Ap	4,532	5,376	3,518	1,748	41	69	14,202,462
6	STAUNTON	54	587	64	22	18	10	473	De	531	Ja	399	539	272	251	2	14	1,620,576

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
											Owned.					
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.

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

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
2,139	3,107	79,119	.....	8,301	4,839	98,099	980	236,113	137,034	33	.....	.....	.....	.....	33	.....	1
57,824	52,919	52,939	10,776	8,574	86,036	562,761	4,689	1,069,215	501,765	186	5	.....	.....	.....	181	.....	2
17,108	40,479	54,146	.....	15,337	4,565	246,117	994	470,699	223,588	29	.....	.....	.....	.....	29	.....	3
218,186	114,069	1,008,257	675,174	57,673	90,986	1,516,537	42,372	4,688,631	3,129,722	760	150	.....	.....	.....	610	.....	4
109,799	148,192	366,204	76,317	16,113	40,171	859,674	12,545	2,021,422	1,149,203	418	.....	.....	.....	.....	418	.....	5
85,582	121,042	364,404	203	13,583	39,810	829,944	11,333	1,633,426	792,149	418	.....	.....	.....	.....	418	.....	6
24,217	27,150	1,800	76,114	2,530	361	29,730	1,212	387,996	357,054	.....	.....	.....	.....	.....	.....	.....	7
207,218	323,880	610,640	.....	1,900	2,444,709	7,427,970	72,712	12,340,704	4,840,022	521	205	.....	.....	.....	316	.....	8
259,543	672,148	4,333,471	.....	363,445	13,005,418	28,948,003	125,509	54,107,156	25,033,644	3,063	2,500	.....	.....	.....	563	1,054	9
1,248,036	1,199,381	7,541,781	125,033	168,302	1,664,400	34,153,924	1,120,568	56,617,862	21,343,370	27,038	6,488	300	1,927	7,665	10,658	5,052	10

Iron and steel, steel works and rolling mills..... 1
Iron and steel, forgings, not made in steel works or rolling mills..... 1
Iron and steel, welding..... 5
Jewelry..... 2
Lard, not made in slaughtering and meat-packing establishments..... 1
Leather, tanned, curried, and finished 2
Lithographing..... 1
Locomotives, not made by railroad companies..... 1
Looking-glass and picture frames..... 1
Minerals and earths, ground or otherwise treated..... 1
Mirrors, framed and unframed, not elsewhere specified..... 2
Models and patterns, not including paper patterns..... 1
Musical instruments, piano materials. 1
Optical goods..... 3
Ordnance and accessories..... 1
Paints..... 2
Paper and wood pulp..... 4
Paper goods, not elsewhere specified . 2
Peanuts, grading, roasting, cleaning, and shelling..... 1
Perfumery and cosmetics..... 5
Photo-engraving..... 4
Pickles and sauces..... 2
Plumbers' supplies, not elsewhere specified..... 1
Pottery..... 1
Pulp goods..... 1
Roofing materials..... 2
Saddlery and harness..... 7
Safes..... 1
Sausage, not made in slaughtering and meat-packing establishments..... 1
Shirts..... 2
Show cases..... 1
Signs, other than electric..... 1
Slaughtering and meat packing..... 4
Smelting and refining, not from the ore 1
Sporting and athletic goods..... 1
Statuary and art goods..... 1
Steam and hot-water radiators and cast-iron heating boilers..... 1
Stereotyping and electrotyping..... 1
Stoves and ranges..... 3
Structural ironwork, not made in steel works or rolling mills..... 2
Textile machinery and parts..... 1
Tinware, not elsewhere specified ... 2
Trunks and valises..... 4
Varnishes..... 1
Whips..... 1
Window shades and fixtures..... 1
Wirework, not elsewhere specified.... 2
Wooden goods, not elsewhere specified 2

838,170	615,979	8,807,077	4,233	40,758	3,185,637	14,725,900	824,016	34,864,211	19,314,295	14,275	2,097	4,281	228	6	7,663	9,786	1
3,700	8,060	48,524	.....	1,358	2,692	339,566	5,843	495,909	150,500	71	.....	.....	.....	.....	71	.....	2
408,200	157,622	5,978,776	.....	.....	87,291	6,098,960	248,759	12,892,766	6,545,047	3,385	904	2,481	.....	.....	.....	9,423	3
23,495	18,498	26,377	.....	3,703	27,795	133,423	2,281	322,409	186,705	30	.....	.....	3	.....	27	3	4
8,900	3,158	33,306	.....	.....	3,172	10,190	38,410	132,467	83,867	1,093	515	.....	225	.....	353	.....	5
40,843	10,048	115,683	.....	36	17,042	574,627	4,108	878,036	299,301	633	200	.....	.....	.....	433	.....	6
25,050	10,103	15,730	.....	2,285	25,742	170,861	1,316	296,359	124,182	59	9	.....	.....	.....	50	.....	7
29,340	19,945	158,074	.....	6,170	14,704	180,001	5,075	568,773	383,697	164	.....	.....	.....	.....	164	.....	8
298,582	388,545	2,430,607	4,233	27,206	3,007,199	7,218,272	518,224	19,277,492	11,540,996	8,840	469	1,800	.....	6	6,565	360	9

Iron and steel, welding..... 1
Labels and tags..... 1
Lard, not made in slaughtering and meat-packing establishments..... 1
Lumber and timber products..... 1
Marble and stone work..... 2
Mattresses and spring beds, not elsewhere specified..... 1
Optical goods..... 3
Patent medicines and compounds.... 3
Paving materials..... 1
Perfumery and cosmetics..... 1
Printing and publishing, newspapers and periodicals..... 2
Roofing materials, except metal..... 1
Saddlery and harness..... 1
Signs, other than electric..... 1
Slaughtering and meat packing..... 1
Smelting and refining, not from the ore..... 1
Structural ironwork, not made in steel works or rolling mills..... 3
Tinware, not elsewhere specified..... 1
Tobacco, cigars..... 1
Vinegar..... 1

CITIES OF 10,000 TO 50,000 INHABITANTS[5]—ALL INDUSTRIES COMBINED.

359,461	302,923	5,446,050	13,050	10,972	148,658	7,473,669	308,579	16,908,023	9,125,775	3,940	383	.....	3	.....	3,554	80	1
80,218	28,592	550,754	1,709	7,005	25,600	973,318	55,251	1,923,944	895,375	1,037	660	.....	.....	.....	377	92	2
417,263	332,844	5,019,611	16,559	13,958	2,843,210	15,822,041	468,739	30,183,494	13,892,714	29,752	2,185	16,166	5	10,965	431	20,056	3
561,587	522,130	4,467,038	122,010	37,002	1,007,123	15,704,211	378,827	27,449,656	11,366,618	8,549	5,528	.....	4	655	2,362	3,813	4
606,317	300,733	3,790,981	3,232	71,016	820,782	18,075,710	221,932	26,440,199	8,142,557	7,106	5,032	.....	.....	825	1,249	1,337	5
43,210	25,224	270,257	200	12,361	14,819	1,849,081	54,886	2,566,548	662,581	1,029	515	30	21	.....	463	.....	6

[3] Same number reported for one or more other months.
[4] Same number reported throughout the year.
[5] Statistics for Newport News are omitted to avoid disclosure of individual operations.