

# CONNECTICUT.

## GENERAL STATISTICS.

**General character of the state.**—Connecticut has a gross area of 4,965 square miles, of which 4,820 represent land surface. The inhabitants of the state in 1900 numbered 908,420; in 1910, 1,114,756; and in 1920, 1,380,631. In total population Connecticut ranked twenty-ninth among the states in 1920. The number of inhabitants per square mile in 1910 was 231.3, the corresponding figure for 1920 being 286.4.

In 1920 there were 18 cities in the state having more than 10,000 inhabitants. The combined population of these cities in that year was 865,943, which formed 62.7 per cent of the total population of Connecticut. In 1919, 71 per cent of the value of the state's manufactured products were reported from these cities.

**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 1914–1919. 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 exceptional increase in "Rent and taxes."

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

**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. Their ranking in many instances 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 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 1,900 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 most of the details for the 18 cities included in this table from 1914 to 1919, and to a lesser extent from 1909 to 1914. Danbury shows a decrease in wage earners from 1914 to 1919 and Naugatuck a decrease in value of products from 1909 to 1914. During the last census period there was an increase of \$597,279,900, or 152.8 per cent, in the total value of products for these cities, and 56,735, or 35.5 per cent, in average number of wage earners.

**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 each of the 18 cities having more than 10,000 inhabitants. The table also shows a number of industries in the state in 1919 which employed a large number of female wage earners. Of the total number of female wage earners in the state, 72.7 per cent were employed in the cities, while the corresponding proportion for male wage earners was 74.5 per cent.

**Prevailing hours of labor (Table 9).**—Since 1914 there has been a marked shortening of the working day in Connecticut. In that year 8.3 per cent of the wage earners were included in the group "48 and under," as against 34.2 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 8.4 per cent of the total wage earners, as compared with 2.4 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, 90 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 15.6 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 10 per cent of the total number of manufacturing establishments in the state, but reported 84.4 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 in the case of all items 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 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 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 38.3 per cent of the number of establishments in the state in 1919, they reported 94.2 per cent of the average number of wage earners, and 93.9 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 68,256, or 32.9 per cent, and the value of products, \$808,440,373, or 162.1 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 18 cities in 1919 represented 65.7 per cent of the total in the state. They reported in that year 74 per

cent of the average number of wage earners, and 71 per cent of the value of products. These proportions differ but little from those of 1914.

Principal industries in Bridgeport, Hartford, New Britain, New Haven, and Waterbury, with per cent of total for state (Table 16).—This table includes all industries in each of the five cities in the state having 50,000 inhabitants or more in 1920, with products of \$500,000 and over, for which figures can be shown without disclosing the operations of individual establishments. The names of a number of important industries are also given for which figures can not be shown without the possibility of 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 210,879 horsepower, or 46.5 per cent. Of this increase 177,324 horsepower, or 84.1 per cent, was in rented power and 33,555 horsepower, or 15.9 per cent, in owned power. Of the total horsepower in 1914, 85.6 per cent was owned power and 14.4 per cent rented. The corresponding proportions for 1919 were 63.5 per cent and 36.5 per cent, respectively.

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. In 1919, of the total anthracite coal consumed, 10.3 per cent was used in the manufacture of gas. This industry was a large consumer of other fuels, notably, 9.8 per cent of the bituminous coal, 28.9 per cent of the coke, and 33.4 per cent of the fuel oils. The brass, bronze, and copper products industry consumed 29.1 per cent of the anthracite coal, 13.3 per cent of the bituminous coal, and 26.9 per cent of the fuel oils, being the largest single consumer of anthracite and bituminous coal in the state.

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

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. <sup>1</sup>			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	4,872	4,104	4,251	3,477	3,382	18.7	-3.5	22.3	2.8
Persons engaged.....	338,033	254,499	233,871	198,046	(*)	32.8	8.8	18.1	.....
Proprietors and firm members.....	3,920	8,123	3,468	2,918	(*)	25.5	-9.9	18.8	.....
Salaries and wages.....	41,441	25,112	19,611	13,523	9,258	65.0	28.1	45.0	46.1
Wage earners (average number).....	292,672	226,264	210,792	181,605	159,733	29.3	7.3	16.1	13.7
Primary horsepower.....	664,691	453,812	400,275	304,204	256,331	46.5	13.4	31.6	18.7
Capital.....	\$1,232,324,318	\$620,194,294	\$517,546,554	\$373,283,550	\$299,206,925	95.7	19.8	38.6	24.8
Salaries and wages.....	406,467,439	160,731,359	135,756,351	104,952,979	85,149,341	152.9	18.4	20.3	23.3
Salaries.....	81,785,188	35,511,499	25,637,306	17,040,351	11,755,279	130.3	38.5	50.5	45.0
Wages.....	324,682,251	125,219,860	110,119,045	87,942,628	73,394,062	159.3	13.7	25.2	19.8
Paid for contract work.....	3,950,238	2,059,176	1,279,258	1,392,515	(*)	93.3	61.0	-8.1	.....
Rent and taxes.....	63,449,015	7,161,619	4,618,988	2,660,218	(*)	786.0	55.0	.....	.....
Cost of materials.....	685,937,199	288,510,886	257,259,393	191,301,881	169,671,648	137.8	12.1	34.5	12.7
Value of products.....	1,392,431,620	545,471,517	490,271,695	369,082,091	315,106,150	155.3	11.3	32.8	17.1
Value added by manufacture.....	706,494,421	256,960,631	233,012,302	177,780,210	145,434,502	174.9	10.3	31.1	22.2

<sup>1</sup> A minus sign (-) denotes decrease.<sup>2</sup> Figures not available.<sup>3</sup> Exclusive of internal revenue.<sup>4</sup> Value of products less cost of materials.

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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 horse-power.
		Average number.	Wages.					
The state.....	4,872	292,672	\$124,682,251	\$63,449,015	\$685,937,199	\$1,392,431,620	\$761,494,421	664,691
Fairfield.....	1,046	69,656	81,051,671	15,113,794	169,988,815	361,652,781	191,053,996	149,657
Hartford.....	1,002	70,090	79,895,047	17,528,549	127,838,442	239,738,539	171,900,064	132,580
Litchfield.....	277	13,095	13,260,275	2,348,305	28,846,518	54,896,945	25,990,427	32,379
Middlesex.....	261	7,830	7,243,178	2,103,196	19,408,106	34,651,037	15,242,941	16,148
New Haven.....	1,601	93,967	102,929,380	16,437,269	211,661,149	421,134,549	299,473,490	211,692
New London.....	356	20,144	22,928,005	3,058,211	50,837,924	97,996,199	47,128,275	63,394
Tolland.....	128	4,545	4,392,505	2,432,972	15,928,103	27,809,794	11,941,491	12,058
Windham.....	211	13,345	13,009,190	4,406,714	61,428,151	94,611,988	33,188,837	55,423

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

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		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.			Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries.....	4,872	292,672	100.0	\$1,392,432	100.0	\$706,494	100.0	Automobile bodies and parts.....	53	1,164	0.4	\$6,198	0.4	\$3,195	0.4
Brass, bronze, and copper products	75	29,580	10.1	169,650	12.2	59,312	8.4	Hardware, saddlery.....	4	1,399	0.5	5,490	0.4	3,943	0.6
Cotton goods.....	47	15,647	5.3	101,551	7.3	37,140	5.3	Liquors, malt.....	15	405	0.1	5,337	0.4	3,945	0.6
Foundry and machine-shop products.....	250	20,148	6.9	78,893	5.7	53,347	7.6	Confectionery and ice cream.....	121	849	0.3	5,260	0.4	2,293	0.3
Silk goods.....	41	11,254	3.8	68,053	4.9	30,528	4.3	Sewing machines and attachments.....	3	2,724	0.9	5,248	0.4	4,315	0.6
Hardware.....	64	18,614	6.4	61,751	4.4	41,547	5.9	Soap.....	6	445	0.2	5,145	0.4	2,967	0.4
Electrical machinery, apparatus, and supplies.....	54	11,403	3.9	51,911	3.7	28,470	4.0	Hat and cap materials.....	15	682	0.2	4,931	0.4	1,874	0.3
Ammunition.....	3	12,489	4.3	39,997	2.9	24,063	3.4	House-furnishing goods, not elsewhere specified.....	8	874	0.3	4,673	0.3	1,657	0.2
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	21	5,060	1.7	33,928	2.4	15,695	2.2	Automobile repairing.....	301	1,073	0.4	4,545	0.3	2,856	0.4
Woolen goods.....	35	5,351	1.8	32,357	2.3	13,213	1.9	Tobacco, cigars.....	193	1,263	0.4	4,305	0.3	2,648	0.4
Hats, fur-felt.....	41	4,580	1.6	23,152	1.7	10,948	1.5	Musical instruments, piano and organ materials.....	6	1,291	0.4	4,267	0.3	2,309	0.3
Plated ware.....	26	5,192	1.8	22,662	1.6	12,657	1.8	Springs, steel, car and carriage, not made in steel works or rolling mills.....	5	1,041	0.4	3,955	0.3	2,303	0.3
Boots and shoes, rubber.....	5	6,439	2.2	22,451	1.6	12,924	1.8	Batting, leather.....	8	247	0.1	3,980	0.3	1,135	0.2
Corsets.....	19	5,616	1.9	20,675	1.5	8,373	1.2	Boots and shoes, not including rubber boots and shoes.....	8	995	0.3	3,765	0.3	1,585	0.2
Worsted goods.....	9	2,447	0.8	18,928	1.4	6,334	0.9	Wool shoddy.....	9	303	0.1	3,762	0.3	661	0.1
Machine tools.....	33	5,472	1.9	18,435	1.3	13,512	1.9	Fertilizers.....	6	188	0.1	3,599	0.3	1,042	0.1
Steam fittings and steam and hot-water heating apparatus.....	11	4,260	1.5	17,401	1.2	10,914	1.5	Fancy articles, not elsewhere specified.....	10	504	0.2	3,521	0.3	1,675	0.2
Bread and other bakery products.....	494	2,020	0.7	17,112	1.2	6,174	0.9	Shirts.....	10	582	0.2	3,292	0.2	1,222	0.2
Suspenders, garters, and elastic woven goods.....	15	3,426	1.2	16,966	1.2	6,703	0.9	Screws, machine.....	12	1,050	0.4	3,272	0.2	2,306	0.3
Typewriters and parts.....	5	6,539	2.2	16,961	1.2	12,139	1.7	Cotton lace.....	5	728	0.2	3,088	0.2	1,962	0.3
Firearms.....	9	4,561	1.6	15,929	1.1	11,631	1.6	Toys and games.....	21	971	0.3	3,061	0.2	1,752	0.2
Needles, pins, and hooks and eyes.....	23	4,037	1.4	13,904	1.0	8,287	1.2	Silversmithing and silverware.....	6	495	0.2	3,062	0.2	1,717	0.2
Iron and steel, forgings, not made in steel works or rolling mills.....	18	2,489	0.8	13,683	1.0	8,454	1.2	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.....	15	760	0.3	2,995	0.2	1,898	0.3
Paper and wood pulp.....	44	1,990	0.7	12,939	0.9	4,722	0.7	Shipbuilding, wooden, including boat building.....	36	1,112	0.4	2,924	0.2	1,937	0.3
Tools, not elsewhere specified.....	70	3,373	1.2	12,916	0.9	8,574	1.3	Textile machinery and parts.....	23	689	0.2	2,876	0.2	1,792	0.3
Clocks.....	8	4,925	1.7	12,904	0.9	8,785	1.2	Lamps.....	5	857	0.3	2,793	0.2	1,395	0.2
Ordinance and accessories.....	4	1,443	0.5	11,697	0.8	6,361	0.9	Perfumery and cosmetics.....	6	243	0.1	2,719	0.2	1,564	0.2
Iron and steel, steel works and rolling mills.....	7	2,468	0.8	9,583	0.7	5,341	0.8	Clothing, men's.....	69	611	0.2	2,710	0.2	1,196	0.2
Knit goods.....	21	2,649	0.9	9,333	0.7	3,984	0.6	Furniture.....	33	570	0.2	2,564	0.2	1,546	0.2
Wire.....	7	1,378	0.5	9,083	0.7	4,480	0.6	Felt goods.....	3	334	0.1	2,529	0.2	1,059	0.1
Cutlery and edge tools.....	37	3,424	1.2	8,812	0.6	6,085	0.9	Flour-mill and gristmill products.....	64	80	(1)	2,507	0.2	424	0.1
Dyeing and finishing textiles, exclusive of that done in textile mills.....	16	1,918	0.7	8,350	0.6	4,900	0.7	Musical instruments, pianos.....	5	608	0.2	2,506	0.2	1,023	0.1
Gas, illuminating and heating.....	22	1,270	0.4	8,347	0.6	5,157	0.7	Gas and electric fixtures.....	7	705	0.2	2,415	0.2	1,538	0.2
Printing and publishing, newspapers and periodicals.....	134	1,329	0.4	7,513	0.5	5,274	0.7	Plumbers' supplies, not elsewhere specified.....	6	576	0.2	2,377	0.2	979	0.1
Lumber, planing-mill products, not including planing mills connected with sawmills.....	91	1,037	0.3	7,478	0.5	2,907	0.4	Paper goods, not elsewhere specified.....	8	400	0.1	2,365	0.2	1,212	0.2
Boxes, paper and other, not elsewhere specified.....	44	2,267	0.8	7,446	0.5	4,104	0.6	Wirework, not elsewhere specified.....	20	537	0.2	2,295	0.2	1,330	0.2
Clothing, women's.....	60	2,058	0.7	7,427	0.5	3,360	0.5	Structural ironwork, not made in steel works or rolling mills.....	19	459	0.2	2,295	0.2	1,201	0.2
Stamped and enameled ware, not elsewhere specified.....	26	2,283	0.8	7,423	0.5	4,430	0.6	Brick and tile and fire-clay products.....	30	835	0.3	2,294	0.2	1,831	0.3
Engines, steam, gas, and water.....	16	1,764	0.6	7,309	0.5	4,016	0.6	Lumber and timber products.....	189	694	0.2	2,267	0.2	1,671	0.2
Screws, wood.....	5	2,245	0.8	6,390	0.5	3,887	0.5	Iron and steel, cut nails and spikes, not made in steel works or rolling mills.....	3	500	0.2	2,006	0.1	1,226	0.2
Printing and publishing, book and job.....	255	1,600	0.5	6,247	0.4	4,034	0.6	All other industries.....	1,341	38,785	12.6	215,972	15.5	109,494	15.5

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 17 having products in excess of some for which figures are shown in the table. These industries are as follows: "Asbestos textile-mill products, not including steam packing"; "automobiles"; "carpets and rugs, other than rag"; "cars and general shop construction and repairs by steam-railroad companies"; "chocolate and cocoa products"; "dental goods"; "envelopes"; "gold and silver, reducing and reeding, not from the ore"; "instruments, professional and scientific"; "motorcycles, bicycles, and parts"; "phonographs and graphophones"; "pumps, not including power pumps"; "shipbuilding, steel, new vessels"; "slaughtering and meat packing"; "sporting and athletic goods"; and "upholstering materials, imitation leather and leatheroid"; and "watches."

## MANUFACTURES—CONNECTICUT.

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

CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.	
					Male.	Fe- male.						Male.	Fe- male.
All classes.....	1919	338,033	252,370	85,663	74.7	25.3	Clerks and other subordinate sala- ried employees.	1919	29,723	16,239	13,484	54.6	45.4
	1914	254,499	191,716	62,783	75.3	24.7		1914	19,086	13,287	5,799	69.6	30.4
	1909	233,871	176,478	57,393	75.5	24.5		1909	14,049	10,153	3,896	72.3	27.7
Proprietors and officials.....	1919	15,638	15,084	554	96.5	3.5	Wage earners (average number)...	1919	292,672	221,047	71,625	75.5	24.5
	1914	9,149	8,847	302	96.7	3.3		1914	226,264	169,582	56,682	74.9	25.1
	1909	9,030	8,666	364	96.0	4.0		1909	210,792	157,659	53,133	74.8	25.2
Proprietors and firm members...	1919	3,920	3,764	156	96.0	4.0	16 years of age and over.....	1919	285,787	217,457	68,330	76.1	23.9
	1914	3,123	2,934	189	95.5	4.5		1914	221,871	167,366	54,505	75.4	24.6
	1909	3,468	3,311	157	95.5	4.5		1909	205,371	154,724	50,647	75.3	24.7
Salaried officers of corporations...	1919	3,195	3,055	140	95.0	5.0	Under 16 years of age.....	1919	6,885	3,590	3,295	52.1	47.9
	1914	2,375	2,300	75	96.8	3.2		1914	4,393	2,216	2,177	50.4	49.6
	1909	2,124	2,088	36	98.3	1.7		1909	5,421	2,935	2,486	54.1	45.9
Superintendents and managers...	1919	8,523	8,265	258	97.0	3.0							
	1914	3,651	3,563	88	97.6	2.4							
	1909	3,438	3,287	151	95.0	5.0							

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

INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.			INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.		
			16 years of age and over.		Un- der 16 years of age.				16 years of age and over.		Un- der 16 years of age.
			Male.	Fe- male.					Male.	Fe- male.	
All industries.....	1919	292,672	74.3	23.3	2.4	Iron and steel, forgings, not made in steel works or rolling mills.	1919	2,489	88.1	10.7	1.1
	1914	226,264	74.0	24.1	1.9		1914	1,573	89.6	7.9	2.5
	1909	210,792	73.4	24.0	2.6	Knit goods.....	1919	2,649	33.5	59.8	6.7
Boots and shoes, rubber <sup>1</sup> .....	1919	6,439	53.6	42.2	4.4		1914	2,904	30.1	67.3	2.6
Boxes, paper and other, not elsewhere speci- fied.	1919	2,267	40.6	47.7	11.7	Needles, pins, and hooks and eyes.....	1919	4,037	54.1	40.9	5.0
	1914	2,196	40.4	53.5	6.1		1914	3,068	53.8	40.9	5.3
Brass, bronze, and copper products.....	1919	29,580	87.2	12.6	0.3	Paper and wood pulp.....	1919	1,999	88.0	11.7	0.3
	1914	16,781	89.2	10.3	0.6		1914	1,898	90.9	8.9	0.3
Bread and other bakery products.....	1919	2,020	85.8	12.2	2.0	Plated ware.....	1919	5,192	80.0	18.3	1.7
	1914	2,014	88.6	9.7	1.7		1914	5,402	80.4	17.7	1.9
Clocks.....	1919	4,925	67.3	27.7	5.0	Rubber tires, tubes, and rubber goods, not elsewhere specified.	1919	5,060	81.8	16.6	1.5
	1914	3,753	71.0	26.5	2.6		1914	2,485	84.9	14.1	0.9
Clothing, women's.....	1919	2,058	11.7	84.7	3.6	Screws, wood.....	1919	2,245	73.1	24.2	2.7
	1914	1,337	23.9	73.3	2.8		1914	2,266	75.6	23.6	0.8
Corsets.....	1919	5,616	15.5	80.6	3.8	Sewing machines and attachments <sup>1</sup> .....	1919	2,724	82.1	13.8	4.1
	1914	7,298	14.2	81.1	4.7						
Cotton goods.....	1919	15,647	55.4	38.9	4.7	Silk goods.....	1919	11,254	55.3	41.4	3.3
	1914	15,093	56.7	39.0	4.3		1914	10,668	52.8	43.8	3.4
Cutlery and edge tools.....	1919	3,424	86.1	11.1	2.8	Stamped and enameled ware, not elsewhere specified.	1919	2,288	57.8	35.7	6.5
	1914	5,008	89.8	9.2	1.0		1914	2,084	59.6	38.8	1.6
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	1,918	82.1	14.7	3.2	Steam fittings and steam and hot-water heating apparatus.	1919	4,260	91.3	8.3	0.4
	1914	1,764	87.2	10.3	2.6		1914	3,371	95.6	4.0	0.4
Electrical machinery, apparatus, and supplies.	1919	11,403	63.8	34.6	1.6	Suspenders, garters, and elastic woven goods.	1919	3,426	40.9	54.8	4.2
	1914	5,059	64.0	32.7	3.3		1914	2,974	43.0	54.2	2.8
Firearms and ammunition.....	1919	17,050	76.0	24.6	0.5	Tools, not elsewhere specified.....	1919	3,373	86.8	10.9	2.3
	1914	10,863	76.8	22.9	0.3		1914	2,560	91.4	8.1	0.5
Foundry and machine-shop products <sup>1</sup> .....	1919	28,322	94.3	5.1	0.6	Typewriters and parts.....	1919	6,539	75.2	22.7	2.2
	1914	13,345	97.7	2.1	0.3		1914	4,662	83.6	14.8	1.7
Hardware.....	1919	18,614	78.7	19.0	2.3	Woolen and worsted goods.....	1919	7,798	69.5	26.9	3.6
	1914	19,004	82.4	15.8	1.8		1914	7,133	70.1	27.0	2.9
Hats, fur-felt.....	1919	4,580	75.9	21.8	2.4	All other industries.....	1919	73,008	78.2	19.2	2.6
	1914	5,461	70.6	28.4	1.0		1914	64,240	78.7	19.7	1.7
Iron and steel, steel works and rolling mills <sup>1</sup> .	1919	2,468	96.9	2.5	0.6						

<sup>1</sup> Not shown separately in 1914.<sup>2</sup> Includes "iron and steel, tempering and welding"; "machine tools"; and "textile machinery and parts."



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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.			10 years of age and over.						Under 16 years of age.					
				Male.			Female.								
				1919	1914	1909	1919	1914	1909	1919	1914	1909			
Ansonia.....	6,102	4,312	4,127	5,324	3,788	3,743	724	469	347	54	55	37	\$47,736,411	\$21,499,441	\$20,088,269
Bridgeport.....	42,862	30,042	25,775	32,219	21,098	18,262	9,903	8,308	6,852	740	636	661	208,089,797	85,126,193	65,008,506
Bristol.....	7,592	4,180	.....	6,247	3,311	.....	1,209	799	.....	136	70	.....	30,689,970	7,898,287	.....
Danbury.....	5,033	5,304	4,810	3,488	3,718	3,391	1,455	1,526	1,371	90	60	48	25,744,905	10,601,841	10,317,875
Derby.....	1,567	.....	.....	1,245	.....	.....	293	.....	.....	29	.....	.....	10,386,153	.....	.....
Hartford.....	26,264	17,137	14,627	21,184	14,360	12,224	4,707	2,592	2,217	373	185	186	118,002,693	42,831,350	40,679,598
Meriden.....	8,794	8,166	7,845	6,528	6,446	6,080	2,058	1,588	1,585	208	132	180	34,261,304	16,745,924	15,316,918
Middletown.....	3,985	2,389	2,434	2,408	1,692	1,543	1,466	663	840	116	34	51	18,158,983	5,642,667	4,954,799
Naugatuck.....	5,030	3,539	3,464	3,313	2,132	2,113	1,600	1,375	1,261	117	32	90	19,993,338	9,574,602	11,032,836
New Britain.....	17,212	14,320	13,513	13,339	11,465	10,500	3,505	2,804	2,675	368	51	338	63,621,960	23,227,004	22,021,241
New Haven.....	30,874	24,993	23,497	21,728	18,653	17,354	8,142	5,787	5,438	1,004	553	705	125,455,547	57,751,729	50,609,997
New London.....	2,241	2,154	2,225	1,478	1,400	1,466	734	744	692	29	10	67	10,274,112	4,940,004	4,483,239
Norwalk.....	5,633	4,963	.....	3,308	2,921	.....	2,086	1,868	.....	239	174	.....	25,518,505	9,009,401	.....
Norwich.....	5,018	4,074	4,101	3,502	3,040	3,008	1,340	925	990	176	109	103	28,625,546	8,470,767	8,378,947
Stamford.....	7,939	5,723	3,984	6,577	4,935	3,554	1,233	697	382	129	91	48	39,121,451	12,963,860	8,739,544
Torrington.....	6,608	4,974	4,488	5,196	4,195	3,828	1,205	642	512	207	137	148	29,240,854	14,314,822	12,549,872
Waterbury.....	30,322	20,189	20,170	23,322	15,219	15,088	6,548	4,701	4,448	452	269	434	130,193,040	50,659,162	50,349,816
Willimantic.....	3,625	3,507	3,020	1,825	1,843	1,549	1,661	1,565	1,383	139	99	88	22,956,585	9,564,200	6,733,185

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

MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.			MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	293,231	228,033	201,545	92.5	97.8	89.2	July.....	285,117	223,931	206,295	90.0	96.1	91.2
February.....	285,424	230,542	199,325	90.1	98.9	88.2	August.....	286,077	219,789	211,295	90.3	94.3	93.6
March.....	282,329	233,083	202,523	89.1	100.0	89.7	September.....	288,000	222,689	218,637	94.2	95.6	96.8
April.....	279,347	232,162	203,599	88.2	99.6	90.1	October.....	305,421	225,118	222,082	96.4	95.7	98.3
May.....	282,178	231,433	205,198	89.1	99.3	90.9	November.....	312,133	220,393	224,439	98.5	94.6	99.4
June.....	285,349	228,252	208,732	90.1	97.9	92.4	December.....	316,868	221,543	225,662	100.0	95.0	100.0

<sup>1</sup> 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.

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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.												Percent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries.....	292,672	293,231	285,424	282,329	<i>279,547</i>	282,178	285,349	285,117	286,077	298,000	305,421	312,133	316,858	88.2
Males.....	221,047	222,667	216,263	214,261	<i>212,551</i>	214,475	216,530	214,559	215,247	223,989	229,308	234,123	238,398	89.1
Females.....	71,625	70,564	69,161	68,068	<i>66,996</i>	67,703	68,819	70,558	70,830	74,011	76,023	78,010	78,460	85.4
Ammunition.....	12,489	15,816	13,695	13,516	12,555	11,912	11,670	11,518	10,859	11,048	11,557	12,531	13,151	68.7
Boots and shoes, rubber.....	6,439	6,357	6,600	6,436	6,221	6,209	6,511	6,557	6,568	6,365	6,513	6,663	6,338	94.1
Boxes, paper and other, not elsewhere specified.....	2,267	2,194	<i>2,072</i>	2,195	2,169	2,097	2,214	2,278	2,330	2,355	2,348	2,454	2,498	82.9
Brass, bronze, and copper products.....	29,580	36,135	31,857	27,878	<i>25,983</i>	26,062	26,143	27,910	29,240	29,996	30,909	31,147	31,695	71.9
Bread and other bakery products.....	2,020	1,921	<i>1,913</i>	1,958	1,964	2,002	2,031	2,060	2,070	2,045	2,052	2,093	2,131	89.8
Clocks.....	4,925	4,858	4,503	4,684	4,782	4,862	4,917	4,991	5,168	5,075	5,253	5,300	5,307	80.2
Clothing, women's.....	2,058	1,754	<i>1,689</i>	1,878	1,949	2,079	2,093	2,234	2,234	2,215	2,192	2,179	2,200	75.6
Corsets.....	5,616	5,064	5,129	5,161	5,239	5,356	5,448	5,681	5,929	6,067	6,094	6,118	6,138	82.5
Cotton goods.....	15,647	15,282	15,347	15,639	<i>15,167</i>	15,351	15,470	15,873	15,617	15,751	15,971	16,029	16,277	93.1
Cutlery and edge tools.....	3,424	3,281	3,347	3,371	3,374	3,528	3,529	3,353	3,431	3,429	3,466	3,466	3,551	92.4
Dyeing and finishing textiles, exclusive of that done in textile mills.....	1,918	1,444	1,592	1,616	1,681	1,777	1,917	2,051	2,088	2,083	2,210	2,262	2,295	62.9
Electrical machinery, apparatus, and supplies.....	11,403	10,529	10,411	9,759	<i>9,648</i>	10,168	10,797	11,442	11,706	12,218	12,864	13,466	13,828	69.8
Firearms.....	4,561	8,075	5,681	4,949	4,504	4,369	3,827	3,652	3,616	3,821	4,153	4,129	3,957	44.8
Foundry and machine-shop products.....	20,148	18,704	19,173	19,269	19,267	19,251	19,493	20,015	20,292	20,932	21,239	21,711	22,410	83.5
Hardware.....	18,614	17,688	17,654	17,445	17,522	17,816	17,982	18,501	18,629	19,339	19,631	20,286	20,577	84.8
Hats, fur-felt.....	4,580	8,787	3,815	3,831	3,944	4,244	4,512	4,799	5,105	5,131	5,234	5,166	5,392	70.2
Iron and steel, steel works and rolling mills.....	2,468	2,824	2,583	2,555	2,403	2,187	2,265	2,315	<i>2,182</i>	2,381	2,503	2,706	2,712	77.3
Iron and steel, forgings, not made in steel works or rolling mills.....	2,489	2,599	2,448	2,334	<i>2,302</i>	2,303	2,319	2,347	2,335	2,501	2,618	2,797	2,965	77.6
Knit goods.....	2,649	<i>2,500</i>	2,573	2,579	2,557	2,606	2,622	2,728	2,716	2,726	2,702	2,721	2,718	91.3
Machine tools.....	5,472	5,928	5,511	5,329	<i>5,087</i>	5,138	5,398	5,419	5,282	5,369	5,564	5,724	5,917	85.8
Needles, pins, and hooks and eyes.....	4,037	3,941	3,959	4,054	3,971	<i>3,929</i>	3,981	4,009	4,086	4,093	4,094	4,144	4,133	93.9
Paper and wood pulp.....	1,999	1,905	<i>1,837</i>	1,903	1,910	1,900	1,963	1,990	2,035	2,066	2,077	2,117	2,195	83.7
Plated ware.....	5,102	<i>4,111</i>	4,567	4,880	4,954	5,143	5,121	5,220	5,578	5,585	5,631	5,747	5,797	70.9
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	5,060	4,670	4,728	4,756	<i>4,668</i>	4,874	5,035	5,125	4,952	5,092	5,407	5,585	5,830	80.0
Screws, wood.....	2,245	2,289	2,361	2,327	<i>2,257</i>	2,246	2,261	2,256	<i>2,140</i>	2,256	2,161	2,164	2,166	90.6
Sewing machines and attachments.....	2,724	2,578	2,590	2,608	<i>2,547</i>	2,548	2,635	2,708	2,749	2,806	2,960	2,970	2,989	85.2
Silk goods.....	11,254	<i>10,147</i>	10,310	10,617	10,932	11,268	11,487	11,596	11,607	11,721	11,772	11,813	11,638	85.9
Stamped and enameled ware, not elsewhere specified.....	2,288	2,557	2,463	2,310	2,138	2,157	<i>2,123</i>	2,227	2,222	2,250	2,276	2,345	2,388	83.0
Steam fittings and steam and hot-water heating apparatus.....	4,260	4,545	4,318	4,148	4,020	3,872	<i>3,846</i>	3,866	4,011	4,265	4,549	4,755	4,925	78.1
Suspenders, garters, and elastic woven goods.....	3,426	3,173	<i>3,053</i>	3,129	3,167	3,329	3,350	3,664	3,658	3,711	3,696	3,687	3,495	82.8
Tools, not elsewhere specified.....	3,373	3,312	3,349	3,338	<i>3,288</i>	3,305	3,355	3,296	3,291	3,362	3,458	3,541	3,583	91.7
Typewriters and parts.....	6,539	6,355	6,368	6,437	6,531	6,615	6,628	6,755	<i>6,553</i>	6,837	6,898	7,143	7,348	75.8
Woolen goods.....	5,351	4,644	<i>4,234</i>	4,536	5,021	5,439	5,712	5,835	5,552	5,625	5,464	5,894	6,006	73.8
Worsted goods.....	2,447	2,147	<i>2,025</i>	2,203	2,413	2,469	2,552	2,676	2,664	2,736	2,187	2,540	2,752	73.3
All other industries.....	73,710	70,629	71,469	72,683	73,171	73,767	74,142	68,147	<i>68,067</i>	70,388	77,789	78,840	79,428	85.7
<i>Industries showing large proportion of females.</i>														
Ammunition.....	3,810	4,554	4,420	4,583	4,154	3,697	3,486	3,343	<i>3,194</i>	3,237	3,417	3,747	3,888	69.7
Boots and shoes, rubber.....	2,894	2,980	3,084	2,917	2,750	<i>2,724</i>	2,839	2,911	2,895	2,862	2,943	2,956	2,807	88.3
Boxes, paper and other, not elsewhere specified.....	1,300	1,245	<i>1,179</i>	1,253	1,253	1,245	1,323	1,302	1,333	1,323	1,327	1,394	1,423	82.9
Brass, bronze, and copper products.....	3,729	5,919	4,950	3,822	3,180	<i>3,011</i>	3,058	3,270	3,377	3,294	3,458	3,604	3,747	50.9
Clocks.....	1,474	1,277	1,381	1,398	1,430	1,470	1,473	1,496	1,497	1,520	1,567	1,586	1,587	80.5
Clothing, women's.....	1,804	1,472	<i>1,414</i>	1,615	1,696	1,859	1,805	1,973	<i>1,983</i>	1,970	1,914	1,931	1,931	71.8
Corsets.....	4,703	4,202	4,254	4,277	4,361	4,455	4,532	4,751	5,004	5,131	5,122	5,173	5,173	81.2
Cotton goods.....	6,459	6,436	6,390	6,452	<i>6,225</i>	6,287	6,370	6,528	6,400	6,508	6,599	6,612	6,701	92.9
Electrical machinery, apparatus, and supplies.....	4,036	3,643	3,539	3,149	<i>3,078</i>	3,438	3,922	4,115	4,203	4,485	4,832	4,997	5,031	61.2
Foundry and machine-shop products.....	1,133	1,133	1,130	1,067	1,140	1,104	1,104	1,127	1,167	1,167	1,140	1,140	1,186	88.4
Hardware.....	3,700	3,552	3,448	<i>3,430</i>	3,465	3,473	3,502	3,613	3,728	3,846	3,977	4,176	4,190	81.9
Hats, fur-felt.....	1,035	897	877	871	903	958	958	1,038	1,101	1,130	1,134	1,190	1,257	69.3
Knit goods.....	1,709	<i>1,697</i>	1,650	1,660	1,663	1,679	1,685	1,775	1,754	1,766	1,752	1,764	1,754	90.0
Needles, pins, and hooks and eyes.....	1,797	<i>1,723</i>	1,762	1,835	1,793	1,765	1,781	1,834	<i>1,866</i>	1,842	1,806	1,785	1,772	92.3
Plated ware.....	991	<i>810</i>	920	947	981	968	969	988	1,012	1,048	1,055	1,093	1,095	74.5
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	857	921	875	862	836	853	860	804	<i>748</i>	820	873	898	934	80.1
Screws, wood.....	560	588	629	620	581	555	581	579	560	538	503	501	497	79.0
Sewing machines and attachments.....	418	436	432	417	403	382	413	410	401	399	424	437	438	87.2
Silk goods.....	4,993	<i>4,574</i>	4,625	4,695	4,775	4,864	4,928	5,097	5,001	5,017	5,070	5,084	5,076	90.0
Stamped and enameled ware, not elsewhere specified.....	909	1,080	1,027	918	840	867	838	852	879	888	888	914	917	77.6
Suspenders, garters, and elastic woven goods.....	1,978	1,845	<i>1,785</i>	1,834	1,852	1,890	1,953	2,067	2,117	2,145	2,141	2,137	1,970	83.2
Typewriters and parts.....	1,539	1,675	1,624	1,542	1,514	1,543	1,511	1,518	<i>1,737</i>	1,359	1,563	1,634	1,668	78.6
Woolen goods.....	1,369	1,233	<i>1,143</i>	1,209	1,281	1,345	1,454	1,483	1,422	1,428	1,365	1,506	1,569	74.8
Worsted goods.....	856	768	<i>739</i>	809	853	879	856	919	852	922	809	874	862	76.8
Total for cities.....	216,701	221,226	212,739	208,826	<i>205,044</i>	206,612	209,652	208,040	208,537	220,689	227,698	233,510	237,539	86.3
Males.....	164,646	168,950	161,948	159,405	<i>156,900</i>	158,099	160,405	157,921	158,119	166,455	172,108	176,016	179,426	87.4
Females.....	52,055	52,276	50,791	49,421	<i>48,144</i>	48,513	49,247	50,119	50,418	54,234	55,590	57,494	58,113	82.8
ANSONIA.....	6,102	6,530	5,738	5,418	5,478	5,636	5,543	5,785	6,189	6,479	6,693	6,757	6,978	77.0
Males.....	5,340	5,545	5,087	4,780	4,770	4,917	4,824	5,082	5,452	5,715	5,901	5,943	6,138	77.2
Females.....	762	985	651	638	708	719	719	703	737	764	792	814	840	69.1
BRIDGEPORT.....	42,862	45,237	43,080	42,544	41,306	41,002	41,709	36,768	<i>36,230</i>	44,217	46,211	47,347	48,643	74.6
Males.....	32,610	35,813	34,001	33,587	32,747	32,282	32,757	27,587	<i>27,041</i>	32,136	33,793	34,253	35,328	75.5
Females.....	10,252	9,424	9,079	8,957	<i>8,559</i>	8,720	8,952	9,181	9,239	12,081	12,418	13,094	13,315	64.3
BRISTOL.....	7,592	6,686	6,839	7,063	7,267	7,415	7,401	7,702	7,950	8,155	8,101	8,250	8,275	80.8
Males.....	6,310	6,447	5,586	5,874	6,055	6,118	6,131	6,413	6,607	6,842	6,796	6,931	6,920	78.6
Females.....	1,282	1,239	1											

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.	
DANBURY.....	5,033	<i>4,209</i>	4,329	4,375	4,451	4,646	4,987	5,264	5,492	5,474	5,576	5,687	5,816	73.9
Males.....	3,538	<i>3,021</i>	3,059	3,087	3,063	3,227	3,476	3,684	3,878	3,858	3,933	4,044	4,126	73.2
Females.....	1,495	<i>1,278</i>	<i>1,270</i>	1,288	1,388	1,419	1,511	1,580	1,614	1,616	1,643	1,643	1,690	75.1
DERBY.....	1,567	1,577	<b>1,628</b>	1,620	1,561	1,583	1,607	1,530	1,510	<i>1,484</i>	1,504	1,582	1,613	91.2
Males.....	1,255	1,284	1,312	1,302	1,245	1,282	1,294	1,209	1,190	<i>1,170</i>	1,208	1,268	1,290	89.6
Females.....	312	<i>293</i>	316	318	316	306	313	321	320	308	296	314	323	90.7
HARTFORD.....	26,264	26,984	25,176	24,922	<i>24,853</i>	25,249	25,781	26,125	25,139	25,930	27,063	28,422	28,824	86.2
Males.....	21,441	22,034	20,533	20,392	<i>20,361</i>	20,762	21,159	21,316	20,444	21,074	22,581	23,136	23,500	86.6
Females.....	4,823	4,950	4,643	4,530	<i>4,492</i>	4,487	4,622	4,809	4,695	4,856	5,082	5,286	5,324	84.4
MERIDEN.....	8,794	7,682	7,980	8,342	8,569	8,658	8,731	9,128	9,280	9,183	9,285	9,317	9,373	82.0
Males.....	6,634	5,783	5,990	6,298	6,450	6,530	6,603	6,899	7,077	6,919	6,986	7,026	7,097	80.8
Females.....	2,160	<i>1,899</i>	1,990	2,044	2,119	2,128	2,128	2,229	2,203	2,264	2,299	2,291	2,276	84.8
MIDDLETOWN.....	3,985	3,822	<i>3,685</i>	3,709	3,761	3,762	3,866	4,221	4,172	4,118	4,160	4,264	4,330	83.9
Males.....	2,445	2,291	<i>2,222</i>	2,282	2,325	2,352	2,416	2,655	2,535	2,505	2,536	2,566	2,618	84.0
Females.....	1,540	1,531	<i>1,463</i>	1,427	1,436	1,410	1,450	1,566	1,637	1,613	1,624	1,668	1,712	82.1
NAUGATUCK.....	5,030	4,900	5,002	4,978	4,869	<i>4,841</i>	5,130	5,211	5,065	4,877	5,109	5,232	5,140	92.5
Males.....	3,384	3,277	3,342	3,381	3,271	3,269	3,462	3,486	3,372	<i>3,289</i>	3,435	3,546	3,531	91.3
Females.....	1,646	1,623	1,660	1,597	1,598	<i>1,572</i>	1,668	1,725	1,693	1,591	1,674	1,686	1,615	91.1
NEW BRITAIN.....	17,212	16,967	17,104	16,545	<i>16,165</i>	16,456	16,660	16,837	17,167	17,451	17,943	18,441	18,818	85.8
Males.....	13,515	13,284	13,383	12,999	<i>12,703</i>	12,928	13,104	13,223	13,349	13,727	14,080	14,534	14,866	85.5
Females.....	3,697	3,683	3,721	3,546	<i>3,462</i>	3,528	3,556	3,614	3,818	3,724	3,863	3,907	3,952	87.3
NEW HAVEN.....	30,874	32,978	31,266	30,814	29,957	30,073	30,253	29,813	<i>28,980</i>	30,206	30,788	32,433	32,927	87.9
Males.....	22,218	24,138	22,476	22,180	21,578	21,647	21,770	21,443	<i>20,695</i>	21,637	22,046	23,250	23,756	85.7
Females.....	8,656	8,840	8,790	8,634	8,379	8,426	8,483	8,370	<i>8,285</i>	8,569	8,742	9,183	9,171	90.2
NEW LONDON.....	2,241	<i>1,688</i>	2,046	2,032	2,011	2,087	2,206	2,400	2,385	2,441	2,472	2,523	2,531	67.1
Males.....	1,494	<i>1,118</i>	1,343	1,357	1,335	1,407	1,515	1,606	1,598	1,637	1,685	1,662	1,665	66.4
Females.....	747	<i>580</i>	703	675	676	680	751	794	787	804	787	861	866	67.0
NORWALK.....	5,633	<i>5,134</i>	5,210	5,328	5,388	5,588	5,590	5,657	5,758	5,780	5,896	5,952	6,315	81.3
Males.....	3,439	<i>3,133</i>	3,187	3,166	3,207	3,339	3,419	3,467	3,565	3,558	3,655	3,691	3,941	79.3
Females.....	2,194	<i>2,001</i>	2,023	2,162	2,181	2,249	2,171	2,190	2,193	2,222	2,241	2,261	2,374	84.3
NORWICH.....	5,018	<i>4,110</i>	4,145	4,788	5,017	5,102	4,976	5,153	5,249	5,316	5,378	5,466	5,516	74.5
Males.....	3,599	<i>2,791</i>	2,854	3,419	3,642	3,714	3,568	3,674	3,791	3,847	3,911	3,988	3,989	70.0
Females.....	1,419	<i>1,319</i>	1,291	1,369	1,375	1,388	1,408	1,479	1,458	1,469	1,467	1,478	1,527	84.5
STAMFORD.....	7,939	7,438	7,280	7,394	7,285	<i>7,258</i>	7,516	7,870	8,230	8,344	8,609	8,961	9,088	79.8
Males.....	6,657	6,189	6,104	6,158	<i>6,090</i>	6,115	6,355	6,630	6,934	7,001	7,195	7,485	7,622	80.0
Females.....	1,282	1,249	1,176	1,236	1,195	<i>1,168</i>	1,161	1,240	1,296	1,343	1,414	1,476	1,466	77.1
TORRINGTON.....	6,608	6,604	6,441	6,273	6,269	<i>6,188</i>	6,425	6,344	6,572	6,827	7,040	7,119	7,099	87.0
Males.....	5,318	5,412	5,165	5,007	5,032	<i>4,998</i>	5,229	5,152	5,317	5,482	5,649	5,689	5,686	87.8
Females.....	1,290	1,282	1,276	1,266	1,237	<i>1,197</i>	1,196	1,192	1,255	1,345	1,391	1,430	1,413	83.4
WATERBURY.....	30,322	34,865	32,227	29,056	<i>27,373</i>	27,509	27,697	28,610	29,905	30,772	31,511	31,952	32,387	78.5
Males.....	23,558	26,581	24,537	22,331	<i>21,215</i>	21,399	21,468	22,476	23,873	24,194	24,771	24,995	25,256	79.8
Females.....	6,764	8,284	7,690	6,725	6,158	<i>6,110</i>	6,229	6,134	6,532	6,578	6,740	6,957	7,031	73.8
WILLIMANTIC.....	3,625	3,625	3,613	3,625	3,474	<i>3,464</i>	3,514	3,622	3,514	3,635	3,759	3,805	3,860	89.5
Males.....	1,891	1,859	1,850	1,849	<i>1,806</i>	1,815	1,860	1,919	1,901	1,911	1,947	1,979	1,997	90.4
Females.....	1,734	1,766	1,763	1,776	1,669	<i>1,649</i>	1,654	1,703	1,613	1,724	1,812	1,826	1,863	86.6

## MANUFACTURES—CONNECTICUT.

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. <sup>1</sup>	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries.....	1919	292,672	19,676	10,427	69,955	81,719	20,927	82,977	5,749	1,242
	1914	226,264	( <sup>2</sup> )	( <sup>2</sup> )	18,850	27,929	38,856	121,717	16,077	2,835
	1909	210,792	( <sup>2</sup> )	( <sup>2</sup> )	6,634	11,088	33,849	117,295	38,978	2,048
Boots and shoes, rubber <sup>3</sup> .....	1919	6,439			6,439					
Boxes, paper and other, not elsewhere specified.....	1919	2,267	335	49	694	606	3	580		
	1914	2,196	( <sup>2</sup> )	( <sup>2</sup> )	85	970	185	933	23	
Brass, bronze, and copper products.....	1919	29,580	52	1,722	300	8,300	255	18,942	9	
	1914	16,781	( <sup>2</sup> )	( <sup>2</sup> )	64	4,143	358	9,328	2,888	
Bread and other bakery products.....	1919	2,020	58	9	1,001	213	507	63	110	59
	1914	2,014	( <sup>2</sup> )	( <sup>2</sup> )	260	83	571	250	797	53
Clocks.....	1919	4,925						4,925		
	1914	3,753				444	1,496	1,813		
Clothing, women's.....	1919	2,058	864	196	410	510	73	5		
	1914	1,337	( <sup>2</sup> )	( <sup>2</sup> )	18	245	519	547	8	
Corsets.....	1919	5,616	3,255	826	385	1,150				
	1914	7,298	( <sup>2</sup> )	( <sup>2</sup> )	69	2,688	81	4,460		
Cotton goods.....	1919	15,647	323		10,948	793		3,583		
	1914	15,093				29	6	14,942	116	
Cutlery and edge tools.....	1919	3,424	9		131	1,402	857	926	99	
	1914	5,008	( <sup>2</sup> )	( <sup>2</sup> )	281	251	224	2,722	1,520	
Dyeing and finishing textiles, exclusive of that done in textile mills.....	1919	1,918			790	47	655	233	150	43
	1914	1,764	( <sup>2</sup> )	( <sup>2</sup> )	12		2	1,648	102	
Electrical machinery, apparatus, and supplies.....	1919	11,403	704	11	2,385	1,628	262	6,410	3	
	1914	5,059	( <sup>2</sup> )	( <sup>2</sup> )	4	695	735	3,625		
Firearms and ammunition.....	1919	17,050		5,063	3,131	8,237	505	112	2	
	1914	10,863					1,413	9,440	10	
Foundry and machine-shop products <sup>4</sup> .....	1919	26,322	1,221	2	4,646	9,299	5,083	5,685	386	
	1914	13,345	( <sup>2</sup> )	( <sup>2</sup> )	1,167	788	4,358	6,386	646	
Hardware.....	1919	18,614	734	8	96	8,211	317	6,620	2,628	
	1914	19,004	( <sup>2</sup> )	( <sup>2</sup> )	1,531	1,867	2,665	11,698	1,243	
Hats, fur-felt.....	1919	4,580	2,237	533	239	1,351		220		
	1914	5,461	( <sup>2</sup> )	( <sup>2</sup> )	1,467	2,889	354	515	236	
Iron and steel, steel works and rolling mills <sup>3</sup> .....	1919	2,468			1,360	130	61	917		
Iron and steel, forgings, not made in steel works or rolling mills.....	1919	2,489	6		513	1,293	211	466		
	1914	1,573	( <sup>2</sup> )	( <sup>2</sup> )	98	514	57	903	1	
Knit goods.....	1919	2,649			409	908		1,283		
	1914	2,904	( <sup>2</sup> )	( <sup>2</sup> )	323	396	541	1,644		
Needles, pins, and hooks and eyes.....	1919	4,037				115	124	3,765	33	
	1914	3,068				127		2,189	752	
Paper and wood pulp.....	1919	1,999	361		225	283	226	92	364	448
	1914	1,898	( <sup>2</sup> )	( <sup>2</sup> )	100	179	79	288	417	835
Plated ware.....	1919	5,192			573	270	58	4,282	9	
	1914	5,402	( <sup>2</sup> )	( <sup>2</sup> )	225	1,223	1,070	2,647	237	
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	1919	5,060		588	348	3,482	23	619		
	1914	2,485				366	184	1,568	367	
Screws, wood.....	1919	2,245				120	112	2,013		
	1914	2,266	( <sup>2</sup> )	( <sup>2</sup> )	1,938		141	187		
Sewing machines and attachments <sup>3</sup> .....	1919	2,724	2,070			460	194			
Silk goods.....	1919	11,254	214		6,911	3,339	209	581		
	1914	10,688	( <sup>2</sup> )	( <sup>2</sup> )	16		753	9,669	230	
Stamped and enameled ware, not elsewhere specified.....	1919	2,288	21		81	297		1,889		
	1914	2,084	( <sup>2</sup> )	( <sup>2</sup> )	87	159	99	1,334	405	
Steam fittings and steam and hot-water heating apparatus.....	1919	4,260	9		2,824	1,148		279		
	1914	3,371	( <sup>2</sup> )	( <sup>2</sup> )	2,451	390		530		
Suspenders, garters, and elastic woven goods.....	1919	3,426	35			3,350	10	31		
	1914	2,974	( <sup>2</sup> )	( <sup>2</sup> )	2	84	20	2,826	42	
Tools, not elsewhere specified.....	1919	3,373		12	509	1,280	36	1,325	211	
	1914	2,560	( <sup>2</sup> )	( <sup>2</sup> )	1,289	10	92	1,137	32	
Typewriters and parts.....	1919	6,539	111		637	1,972	3,819			
	1914	4,662				406	4,233	23		
Woolen and worsted goods.....	1919	7,798		139	3,860	1,780	213	1,806		
	1914	7,133				97	220	6,004	812	
All other industries.....	1919	73,008	7,033	1,244	20,110	19,745	7,114	15,325	1,745	692
	1914	64,240	( <sup>2</sup> )	( <sup>2</sup> )	7,363	8,886	15,390	22,461	5,193	1,047

<sup>1</sup> Includes 48 and under for 1914 and 1909.<sup>2</sup> Corresponding figures not available.<sup>3</sup> Not shown separately in 1914.<sup>4</sup> Includes "iron and steel, tempering and welding"; "machine tools"; and "textile machinery and parts."

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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.....	1919	216,701	16,507	9,916	40,140	68,301	14,214	62,622	4,046	955
	1914	159,906	(?)	(?)	16,688	24,044	33,661	75,113	8,688	1,772
ANSONIA.....	1919	6,102	928	.....	43	623	15	4,478	13	2
	1914	4,312	(?)	(?)	58	13	33	4,186	22	.....
BRIDGEPORT.....	1919	42,862	9,063	8,886	14,820	11,081	443	441	17	111
	1914	30,042	(?)	(?)	4,481	5,636	1,737	17,295	874	19
BRISTOL.....	1919	7,592	23	.....	34	3,735	375	3,406	15	3
	1914	4,180	(?)	(?)	26	542	484	2,896	232	.....
DANBURY.....	1919	5,033	2,101	735	201	1,550	57	339	6	44
	1914	5,304	(?)	(?)	1,503	1,704	455	1,246	336	.....
DERBY.....	1919	1,567	36	.....	357	1,120	10	27	8	9
HARTFORD.....	1919	26,264	845	473	5,889	8,825	8,427	1,759	31	15
	1914	17,137	(?)	(?)	1,577	2,119	10,650	2,350	258	153
MERIDEN.....	1919	8,794	309	19	365	1,270	156	6,576	16	74
	1914	8,166	(?)	(?)	498	1,219	923	5,291	157	73
MIDDLETOWN.....	1919	3,985	45	.....	980	2,364	215	307	48	26
	1914	2,389	(?)	(?)	62	23	233	1,977	85	9
NAUGATUCK.....	1919	5,030	1	.....	4,183	73	2	763	8	.....
	1914	3,539	(?)	(?)	394	50	2,478	256	361	.....
NEW BRITAIN.....	1919	17,212	87	5	176	225	129	13,924	2,650	16
	1914	14,320	(?)	(?)	4,826	1,185	3,776	4,348	153	83
NEW HAVEN.....	1919	30,874	1,094	495	5,522	15,416	1,112	5,945	948	342
	1914	24,993	(?)	(?)	1,920	3,483	6,890	10,819	1,022	859
NEW LONDON.....	1919	2,241	15	4	702	962	294	200	4	60
	1914	2,154	(?)	(?)	166	35	775	1,057	79	42
NORWALK.....	1919	5,833	531	1,265	1,085	2,324	80	260	65	23
	1914	4,963	(?)	(?)	204	2,824	390	1,480	27	38
NORWICH.....	1919	5,018	531	7	1,491	1,265	106	1,594	9	15
	1914	4,074	(?)	(?)	281	11	415	2,536	594	237
STAMFORD.....	1919	7,939	639	19	832	5,513	402	524	4	6
	1914	5,723	(?)	(?)	166	824	770	3,754	709	.....
TORRINGTON.....	1919	6,608	5	.....	29	32	34	6,364	144	.....
	1914	4,974	(?)	(?)	25	114	199	4,553	83	.....
WATERBURY.....	1919	30,322	239	3	394	11,820	2,324	15,277	50	206
	1914	20,189	(?)	(?)	484	4,744	3,440	7,671	3,691	159
WILLIMANTIC.....	1919	3,625	15	5	3,037	84	33	438	10	3
	1914	3,507	(?)	(?)	17	8	9	3,398	5	70

\* Includes 48 and under for 1914 and 1909.

\* Corresponding figures not available.

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.			
All industries .....	4,872	292,672	665	2,207	4,800	837	9,486	434	13,929	240	17,345	264	42,185	112	40,149	62	43,230	51	121,548	
Ammunition.....	3	12,489												1	469			2	12,020	
Boots and shoes, rubber.....	5	6,439												1	251			4	6,188	
Boxes, paper and other, not elsewhere specified.....	44	2,267		2	4	10	128	20	614	9	617	2	263			1	643			
Brass, bronze, and copper products.....	75	29,580	3	14	29	18	199	10	263	6	436	8	1,236	3	1,123	6	4,368	7	21,921	
Bread and other bakery products.....	494	2,020	82	332	757	66	654	10	306	4	303									
Clocks.....	8	4,925						1	31			2	256	1	453	3	1,973	1	2,182	
Clothing, women's.....	60	2,058	1	11	40	22	294	14	438	8	515	4	771							
Corsets.....	19	5,616		3	8	3	41			4	307	3	402	3	1,100	2	1,428	1	2,330	
Cotton goods.....	47	15,647				4	32	6	180	4	319	12	2,185	12	4,251	7	4,686	2	3,985	
Cutlery and edge tools.....	37	3,424	1	8	20	4	55	7	232	7	470	6	794	3	1,027	1	826			
Dyeing and finishing textiles, exclusive of that done in textile mills.....	16	1,918		3	14	2	24	5	166	3	209	1	219			2	1,286			
Electrical machinery, apparatus, and supplies.....	54	11,403	3	13	38	8	88	4	141	4	230	11	1,730	5	1,713	4	2,525	2	4,938	
Firearms.....	9	4,561		1	1	1	14	3	108	1	99	1	192					2	4,147	
Foundry and machine-shop products.....	250	20,148	13	65	169	62	740	39	1,363	29	2,075	25	4,208	12	4,753	3	2,272	2	4,568	
Hardware.....	64	18,614	4	6	16	9	93	14	409	8	606	7	1,063	8	2,770	2	1,720	6	11,937	
Hats, fur-felt.....	41	4,580	3	2	3	3	54	9	324	8	561	12	1,971	3	1,134	1	533			

## MANUFACTURES—CONNECTICUT.

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

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.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
Iron and steel, steel works and rolling mills	7	2,468						2	68	2	147	1	123			1	893	1	1,237
Iron and steel, forgings, not made in steel works or rolling mills	18	2,489		5	16	3	47			3	221	4	451	1	436	2	1,318		
Knit goods	21	2,649	1	2	4			4	97	2	166	9	1,430	3	952				
Machinetools	33	5,472		6	18	8	98	10	305	2	145	2	273	2	550	1	828	2	3,255
Needles, pins, and hooks and eyes	23	4,037		3	6	4	56	4	130	5	352	4	670			2	1,525	1	1,298
Paper and wood pulp	44	1,999		5	15	13	177	14	447	6	428	6	932						
Plated ware	23	5,192		2	7	4	40	5	178	2	190	7	1,246	3	952	2	1,495	1	1,084
Rubber tires, tubes, and rubber goods, not elsewhere specified	21	5,060	1	2	7	6	66	3	69	2	173	1	148	3	1,179	2	1,194	1	2,224
Screws, wood	5	2,245										4	595					1	1,650
Sewing machines and attachments	3	2,724										1	194	1	460			1	2,070
Silk goods	41	11,254		1	5	7	76	10	328	5	362	11	1,763	2	586	2	1,081	3	7,053
Stamped and enameled ware, not elsewhere specified	26	2,288		3	5	5	49	2	65	8	520	6	790	2	859				
Steam fittings and steam and hot-water heating apparatus	11	4,260		2	7	1	9	2	78	1	71	2	245	1	464	1	563	1	2,823
Suspenders, garters, and elastic woven goods	15	3,426		1	1	5	73	1	31	2	145	2	436	1	287	2	1,154	1	1,299
Tools, not elsewhere specified	70	3,373	3	26	79	23	253	8	271	4	262	4	647			2	1,861		
Typewriters and parts	5	6,539										1	111	2	637			2	5,791
Woolen goods	35	5,351		1	5			2	69	8	635	19	3,048	5	1,594				
Worsted goods	9	2,447								4	350	2	264	2	812			1	1,021
All other industries	3,233	73,710	550	1,688	3,626	546	6,128	225	7,204	89	6,431	84	13,529	32	11,307	13	9,058	6	16,527
Total for cities	3,200	210,701	429	1,428	3,241	598	6,789	276	8,964	145	10,387	167	26,533	73	26,468	41	28,767	43	105,552
ANSONIA	50	6,102	12	24	57	3	23	2	59	2	145	4	645			2	1,387	1	3,786
BRIDGEPORT	443	42,862	45	190	456	89	1,013	40	1,347	26	1,825	21	3,209	15	5,398	4	2,281	13	27,333
BRISTOL	68	7,592	5	37	67	8	103	5	171	1	77	7	1,038	1	327	3	2,254	1	3,555
DANBURY	108	5,038	6	46	92	19	262	10	329	8	618	15	2,224	3	975	1	533		
DERBY	46	1,567	6	20	47	7	67	5	152	5	437	2	399	1	465				
HARTFORD	504	26,264	61	220	502	114	1,229	47	1,474	27	1,925	18	2,757	9	3,332	3	1,953	5	13,092
MERIDEN	162	8,794	20	70	164	31	389	13	394	10	655	7	1,250	6	1,978	4	2,880	1	1,084
MIDDLETOWN	88	3,985	10	36	87	21	252	9	272			10	1,725	1	350			1	1,299
NAUGATUCK	27	5,030	6	9	21	4	55			1	69	3	466	2	816			2	3,603
NEW BRITAIN	116	17,212	9	49	101	26	288	12	398	3	178	4	643	4	1,721	3	2,754	6	11,129
NEW HAVEN	769	30,874	162	340	758	142	1,599	58	1,884	26	1,871	20	3,169	11	3,801	6	4,199	4	13,593
NEW LONDON	91	2,241	9	50	106	16	160	7	223	2	140	6	1,056			1	526		
NORWALK	132	5,633	12	51	126	26	321	19	638	10	658	9	1,611	3	1,067	2	1,212		
NORWICH	121	5,018	9	59	126	24	272	9	281	5	430	10	1,557	3	1,054	2	1,298		
STAMFORD	116	7,939	13	52	116	16	169	14	497	11	790	6	843	2	679	1	636	1	4,209
TORRINGTON	63	6,608	10	37	84	4	49	1	29	1	100	4	542	1	482	3	2,379	2	2,943
WATERBURY	253	30,322	30	116	277	39	439	22	688	7	469	18	2,904	10	3,670	6	4,475	5	17,400
WILLIMANTIC	43	3,625	4	22	54	9	99	3	128			3	465	1	353			1	2,526

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.	4,872	4,104	4,251	292,672	226,264	210,792	\$1,392,451,620	\$345,471,517	\$430,271,695	\$706,494,421	\$256,960,631	\$233,012,302
Less than \$5,000.	1,155	1,243	1,312	659	1,213	1,629	2,825,354	2,979,306	3,047,313	1,870,771	1,898,141	1,986,061
\$5,000 to \$20,000.	1,395	1,232	1,296	3,897	5,808	6,514	14,896,398	12,783,086	13,621,192	8,716,700	7,103,153	7,709,840
\$20,000 to \$100,000.	1,206	861	909	13,577	18,579	19,981	54,355,667	39,487,980	40,437,942	23,409,964	20,696,093	21,593,012
\$100,000 to \$500,000.	635	539		33,671	94,257	87,295	144,931,833	124,413,997	191,603,190	76,906,589	104,810,249	97,294,219
\$500,000 to \$1,000,000.	202	118	641	30,617			145,474,477	85,649,445		73,658,688		
\$1,000,000 and over.	279	106	93	210,251	106,407	95,373	1,029,897,891	280,149,703	241,562,058	516,931,709	122,447,995	104,129,170
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.	23.7	30.4	30.9	0.2	0.5	0.8	0.2	0.5	0.6	0.3	0.7	0.9
\$5,000 to \$20,000.	28.6	30.0	30.5	1.3	2.6	3.1	1.1	2.3	2.8	1.2	2.8	3.3
\$20,000 to \$100,000.	24.8	21.0	21.4	4.6	8.2	9.5	3.9	7.2	8.2	4.0	8.1	9.4
\$100,000 to \$500,000.	13.0	13.1		11.5	41.7	41.4	10.4	22.8	39.1	10.9	40.8	41.8
\$500,000 to \$1,000,000.	4.1	2.9		10.5			10.4	15.7				
\$1,000,000 and over.	5.7	2.6	2.2	71.8	47.0	45.2	74.0	51.4	49.3	73.2	47.6	44.7







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.		CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
ANSONIA.....	50	6,102	100.0	\$47,730,411	100.0	\$14,254,482	100.0	NEW BRITAIN.....	116	17,212	100.0	\$63,621,960	100.0	\$41,455,903	100.0
Less than \$5,000.....	11	4	0.1	26,265	0.1	15,991	0.1	Less than \$5,000.....	24	15	0.1	59,192	0.1	37,633	0.1
\$5,000 to \$20,000.....	17	32	0.5	232,219	0.5	115,539	0.8	\$5,000 to \$20,000.....	30	81	0.5	311,713	0.5	177,602	0.4
\$20,000 to \$100,000.....	12	67	1.1	433,493	0.9	187,342	1.3	\$20,000 to \$100,000.....	32	457	2.7	1,539,399	2.4	741,903	1.8
\$100,000 to \$500,000.....	5	494	7.9	1,954,199	4.1	1,154,579	8.1	\$100,000 to \$500,000.....	13	453	2.6	2,385,542	3.7	1,237,609	3.0
\$1,000,000 and over.....	5	5,515	90.4	45,090,235	94.5	12,780,031	89.7	\$500,000 to \$1,000,000.....	4	672	3.9	2,819,809	4.4	1,773,435	4.3
								\$1,000,000 and over.....	13	15,534	90.3	56,506,303	88.8	37,457,691	90.4
BRIDGEPORT.....	443	42,862	100.0	208,089,797	100.0	125,776,942	100.0	NEW HAVEN.....	709	30,874	100.0	125,455,547	100.0	70,158,742	100.0
Less than \$5,000.....	80	64	0.1	213,621	0.1	145,468	0.1	Less than \$5,000.....	211	105	0.3	528,603	0.4	375,357	0.5
\$5,000 to \$20,000.....	123	339	0.8	1,362,544	0.7	849,875	0.7	\$5,000 to \$20,000.....	225	660	2.1	2,408,653	1.9	1,490,631	2.1
\$20,000 to \$100,000.....	118	1,129	2.6	5,106,227	2.5	2,897,393	2.3	\$20,000 to \$100,000.....	204	2,175	7.0	9,317,111	7.4	4,817,746	6.9
\$100,000 to \$500,000.....	68	3,743	8.7	17,058,552	8.2	9,152,945	7.3	\$100,000 to \$500,000.....	80	3,879	12.6	17,954,044	14.3	9,012,547	12.6
\$500,000 to \$1,000,000.....	22	2,962	6.9	15,604,820	7.4	7,606,131	6.0	\$500,000 to \$1,000,000.....	21	3,843	12.4	14,915,802	11.9	9,484,318	13.5
\$1,000,000 and over.....	32	34,625	80.8	168,744,533	81.1	105,255,129	83.7	\$1,000,000 and over.....	19	20,212	65.5	80,331,234	64.0	44,978,140	64.1
BRISTOL.....	68	7,592	100.0	30,689,970	100.0	17,702,371	100.0	NEW LONDON.....	91	2,241	100.0	10,274,112	100.0	4,936,813	100.0
Less than \$5,000.....	14	5	0.1	28,218	0.1	14,371	0.1	Less than \$5,000.....	28	33	1.5	88,658	0.8	62,833	1.3
\$5,000 to \$20,000.....	25	48	0.6	270,284	0.9	129,246	0.7	\$5,000 to \$20,000.....	23	82	3.7	253,303	2.5	138,107	2.8
\$20,000 to \$100,000.....	13	214	2.8	720,645	2.3	418,045	2.4	\$20,000 to \$100,000.....	23	205	9.1	1,027,774	10.0	450,011	9.1
\$100,000 to \$500,000.....	11	1,189	15.7	3,806,497	12.4	2,189,853	12.3	\$100,000 to \$500,000.....	11	658	29.4	2,627,827	25.6	1,481,522	30.0
\$1,000,000 and over.....	5	6,138	80.8	25,864,326	84.3	14,959,856	84.5	\$500,000 and over.....	6	1,263	56.0	6,278,550	61.1	2,804,335	56.8
DANBURY.....	108	5,033	100.0	25,744,905	100.0	11,538,947	100.0	NORWALK.....	132	5,633	100.0	25,518,505	100.0	12,545,515	100.0
Less than \$5,000.....	15	10	0.2	47,598	0.2	27,491	0.2	Less than \$5,000.....	21	10	0.2	49,656	0.2	32,373	0.3
\$5,000 to \$20,000.....	32	81	1.6	360,273	1.4	201,711	1.7	\$5,000 to \$20,000.....	37	129	2.3	418,778	1.6	241,180	1.9
\$20,000 to \$100,000.....	21	254	5.0	1,156,756	4.5	554,204	4.8	\$20,000 to \$100,000.....	37	546	9.7	1,784,190	7.0	962,656	7.7
\$100,000 to \$500,000.....	23	1,215	24.1	5,310,035	20.6	2,555,925	22.2	\$100,000 to \$500,000.....	19	777	13.8	3,415,641	13.4	1,925,748	15.3
\$500,000 to \$1,000,000.....	11	1,679	33.4	7,709,182	29.9	3,581,150	31.0	\$500,000 to \$1,000,000.....	13	1,960	35.0	8,947,925	35.1	4,576,257	36.5
\$1,000,000 and over.....	6	1,794	35.6	11,158,061	43.3	4,618,466	40.0	\$1,000,000 and over.....	5	2,202	39.1	10,902,315	42.7	4,807,301	38.3
DERBY.....	46	1,567	100.0	10,366,153	100.0	6,064,088	100.0	NORWICH.....	121	5,018	100.0	28,625,546	100.0	13,458,350	100.0
Less than \$5,000.....	10	6	0.4	29,535	0.3	18,946	0.3	Less than \$5,000.....	24	23	0.5	58,765	0.2	38,172	0.3
\$5,000 to \$20,000.....	12	45	2.9	153,781	1.5	95,864	1.6	\$5,000 to \$20,000.....	38	102	2.0	413,448	1.4	224,982	1.7
\$20,000 to \$100,000.....	12	135	8.6	430,194	4.1	234,123	3.9	\$20,000 to \$100,000.....	30	322	6.4	1,412,242	4.9	732,563	5.4
\$100,000 to \$500,000.....	8	640	40.8	2,892,106	27.8	1,435,152	23.7	\$100,000 to \$500,000.....	14	922	18.4	3,796,381	13.3	2,034,688	15.1
\$1,000,000 and over.....	8	741	47.3	6,880,537	66.2	4,280,003	70.6	\$500,000 to \$1,000,000.....	8	972	19.4	6,111,018	21.3	2,564,536	19.1
HARTFORD.....	504	26,264	100.0	118,002,693	100.0	69,683,438	100.0	\$1,000,000 and over.....	7	2,677	53.3	16,833,662	58.8	7,863,409	58.4
Less than \$5,000.....	97	40	0.2	252,451	0.2	173,449	0.2	STAMFORD.....	116	7,939	100.0	39,121,451	100.0	19,015,237	100.0
\$5,000 to \$20,000.....	138	389	1.5	1,486,421	1.3	910,763	1.3	Less than \$5,000.....	13	8	0.1	40,895	0.1	28,427	0.1
\$20,000 to \$100,000.....	157	1,614	6.8	7,029,256	6.0	3,587,798	5.1	\$5,000 to \$20,000.....	41	112	1.4	391,969	1.0	221,730	1.2
\$100,000 to \$500,000.....	75	3,533	13.5	16,802,198	14.2	8,939,950	12.8	\$20,000 to \$100,000.....	29	288	3.6	1,232,923	3.2	742,642	3.9
\$500,000 to \$1,000,000.....	13	1,864	7.1	9,741,940	8.3	6,095,844	8.8	\$100,000 to \$500,000.....	27	1,620	20.4	6,321,844	16.2	3,411,013	17.9
\$1,000,000 and over.....	24	18,924	72.0	82,690,427	70.1	49,975,638	71.7	\$1,000,000 and over.....	6	5,911	74.5	31,134,080	79.6	14,611,425	76.8
MERIDEN.....	162	8,794	100.0	34,261,304	100.0	18,609,902	100.0	TORRINGTON.....	63	6,608	100.0	29,240,854	100.0	12,973,823	100.0
Less than \$5,000.....	31	17	0.2	80,412	0.2	51,972	0.3	Less than \$5,000.....	21	9	0.1	46,465	0.2	27,581	0.2
\$5,000 to \$20,000.....	50	132	1.5	511,510	1.5	301,824	1.6	\$5,000 to \$20,000.....	16	41	0.6	136,813	0.5	75,383	0.6
\$20,000 to \$100,000.....	43	570	6.5	1,886,861	5.5	1,051,268	5.6	\$20,000 to \$100,000.....	14	95	1.4	658,958	2.3	249,002	2.1
\$100,000 to \$500,000.....	20	1,020	11.6	4,495,274	13.1	2,630,171	14.1	\$100,000 to \$500,000.....	6	658	10.0	3,581,383	12.2	1,628,972	12.6
\$500,000 to \$1,000,000.....	8	1,617	18.4	5,189,237	15.1	2,540,814	13.7	\$1,000,000 and over.....	6	5,805	87.8	24,817,230	84.9	10,972,885	84.6
\$1,000,000 and over.....	10	5,438	61.8	22,098,020	64.5	12,033,853	64.7	WATERBURY.....	253	30,322	100.0	130,193,040	100.0	62,881,149	100.0
MIDDLETOWN.....	88	3,985	100.0	18,158,983	100.0	7,352,036	100.0	Less than \$5,000.....	50	22	0.1	134,665	0.1	79,998	0.1
Less than \$5,000.....	22	12	0.3	42,811	0.2	25,472	0.3	\$5,000 to \$20,000.....	69	168	0.6	800,510	0.6	451,130	0.7
\$5,000 to \$20,000.....	18	58	1.5	190,314	1.0	95,089	1.3	\$20,000 to \$100,000.....	62	564	1.9	2,738,681	2.1	1,240,233	2.0
\$20,000 to \$100,000.....	25	256	6.4	1,120,498	6.2	533,371	7.3	\$100,000 to \$500,000.....	37	1,860	6.1	8,093,244	6.2	4,718,441	7.5
\$100,000 to \$500,000.....	13	628	15.8	2,719,212	15.0	1,248,088	17.0	\$500,000 to \$1,000,000.....	13	2,379	7.8	9,673,966	7.4	5,499,453	8.7
\$500,000 to \$1,000,000.....	7	1,361	34.2	4,813,342	26.5	2,113,753	28.7	\$1,000,000 and over.....	22	25,329	83.5	108,751,874	83.5	50,891,814	80.9
\$1,000,000 and over.....	3	1,670	41.9	9,272,806	51.1	3,336,263	45.4	WILLIMANTIC.....	43	3,625	100.0	22,986,585	100.0	11,167,356	100.0
NAUGATUCK.....	27	5,030	100.0	19,993,388	100.0	10,685,064	100.0	Less than \$5,000.....	10	6	0.2	20,562	0.1	15,461	0.1
Less than \$5,000.....	7	1	(*)	12,860	0.1	7,667	0.1	\$5,000 to \$20,000.....	12	43	1.2	160,021	0.7	98,138	0.9
\$5,000 to \$20,000.....	5	11	0.2	49,694	0.2	27,602	0.3	\$20,000 to \$100,000.....	11	81	2.2	423,519	1.8	240,084	2.1
\$20,000 to \$100,000.....	7	64	1.3	338,988	1.7	179,012	1.7	\$100,000 to \$500,000.....	6	263	7.3	1,733,476	7.5	994,985	8.9
\$1,000,000 and over.....	8	4,954	98.5	19,591,796	98.0	10,470,783	98.0	\$1,000,000 and over.....	4	3,232	89.2	20,649,007	89.8	9,817,688	87.9

\* Includes the group "\$500,000 to \$1,000,000."

\* Less than one-tenth of 1 per cent.

## MANUFACTURES—CONNECTICUT.

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

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISH- MENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.					
		Indi- vid- uals.	Cor- por- ations.	All oth- ers.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.				
					Total.	Indi- vid- uals.	Cor- por- ations.	All oth- ers.	Indi- vid- uals.	Cor- por- ations.	All oth- ers.	Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Corpora- tions.	All oth- ers.		
All industries.....	1919	2,279	1,864	729	292,672	9,323	275,673	7,676	3.2	94.2	2.6	\$1,392,431,620	\$46,470,084	\$1,307,239,450	\$38,722,086	3.3	93.9	2.8	
	1914	1,965	1,584	555	226,264	10,967	207,417	7,880	4.8	91.7	3.5	545,471,517	26,772,163	498,799,077	19,900,277	4.9	91.4	3.6	
	1909	2,119	1,021	631	210,792	12,944	188,932	8,916	6.1	89.6	4.2	490,271,695	28,436,151	441,267,987	20,567,557	5.8	90.0	4.2	
Brass, bronze, and copper products.	1919	20	48	7	29,580	353	29,170	57	1.2	98.6	0.2	169,550,248	1,778,516	166,575,164	1,196,568	1.0	98.2	0.7	
	1914	18	42	7	16,781	341	16,385	55	2.0	97.6	0.3	69,353,103	952,449	68,238,140	142,517	1.4	98.4	0.2	
Bread and other bakery products.	1919	352	51	87	2,020	967	747	306	47.9	37.0	15.1	17,111,881	8,389,804	5,829,399	2,892,678	49.0	34.1	16.9	
	1914	379	31	67	2,014	1,247	505	262	61.9	25.1	13.0	4,721,505	4,721,505	1,184,909	1,184,909	59.0	25.2	14.8	
Clocks.....	1919	—	8	—	4,925	—	4,925	—	—	100.0	—	12,904,421	—	12,904,421	—	—	100.0	—	
	1914	—	9	—	3,753	—	3,753	—	—	100.0	—	4,523,975	—	4,523,975	—	—	100.0	—	
Corsets.....	1919	4	13	2	5,616	1,198	4,418	—	21.3	78.7	—	20,674,864	4,604,982	16,069,882	—	22.3	77.7	—	
	1914	4	16	2	7,298	1,516	5,782	—	20.8	79.2	—	12,935,805	2,030,114	9,905,691	—	23.4	76.6	—	
Cotton goods.....	1919	3	41	3	15,647	1,269	15,378	—	1.7	98.3	—	101,551,071	1,837,408	99,713,663	—	1.8	98.2	—	
	1914	6	33	5	15,093	313	13,961	819	2.1	92.5	5.4	30,191,480	811,121	27,319,466	2,060,893	2.7	90.5	6.8	
Cutlery and edge tools.....	1919	5	29	3	3,424	40	3,359	25	1.2	98.1	0.7	8,811,565	87,163	8,669,487	54,915	1.0	98.4	0.6	
	1914	6	27	—	5,008	33	4,975	—	0.7	99.3	—	7,366,772	33,824	7,322,948	—	0.5	99.5	—	
Electrical machinery, ap- paratus, and supplies.	1919	5	44	5	11,403	19	11,375	9	0.2	99.8	0.1	51,911,332	68,652	51,810,728	31,952	0.1	99.8	0.1	
	1914	5	38	—	5,059	23	5,036	—	0.5	99.5	—	14,330,156	125,908	14,204,248	—	0.9	99.1	—	
Firearms and ammunition.	1919	—	11	1	17,050	—	17,050	—	—	100.0	—	55,925,651	—	55,925,651	—	—	100.0	—	
	1914	1	12	—	10,863	—	10,863	—	—	100.0	—	25,657,797	—	25,657,797	—	—	100.0	—	
Foundry and machine-shop products. <sup>1</sup>	1919	88	201	35	26,322	770	25,273	279	2.9	98.0	1.1	100,388,227	2,617,879	96,800,033	970,315	2.6	96.4	1.0	
	1914	64	153	22	13,345	459	12,800	86	3.4	95.9	0.6	24,558,098	844,876	23,537,540	175,682	3.4	95.8	0.7	
Gas, illuminating and heat- ing.	1919	—	21	1	1,270	—	1,270	—	—	100.0	—	8,346,845	—	8,346,845	—	—	100.0	—	
	1914	1	25	1	1,209	—	1,209	—	—	100.0	—	4,745,720	—	4,745,720	—	—	100.0	—	
Hardware.....	1919	8	51	5	18,614	13	18,487	114	0.1	99.3	0.6	61,751,355	39,622	61,290,975	420,758	0.1	99.2	0.7	
	1914	6	56	7	19,004	22	18,837	145	0.1	99.1	0.8	28,808,363	40,844	28,498,476	269,043	0.1	98.9	0.9	
Hats, fur-felt.....	1919	9	24	8	4,580	245	3,613	722	5.3	78.9	15.8	23,152,468	1,240,407	18,317,049	3,595,012	5.4	79.1	15.5	
	1914	19	33	6	5,461	538	4,437	486	9.9	81.2	8.9	9,475,778	1,063,554	7,539,623	872,601	11.2	79.6	9.7	
Iron and steel forgings, not made in steel works or rolling mills.	1919	1	15	2	2,489	—	2,423	66	—	97.3	2.7	13,682,582	—	13,411,316	271,266	—	98.0	2.0	
	1914	2	14	1	1,573	—	1,566	7	—	99.6	0.4	4,559,897	—	4,539,736	20,161	—	99.6	0.4	
Knit goods.....	1919	1	18	2	2,649	—	2,620	29	—	98.9	1.1	9,332,776	—	9,119,735	213,041	—	97.7	2.3	
	1914	3	18	4	2,904	13	2,849	42	0.4	98.1	1.4	5,221,683	22,020	5,082,303	117,360	0.4	97.3	2.2	
Needles, pins, and hooks and eyes.	1919	4	17	2	4,037	112	3,925	—	2.8	97.2	—	13,904,286	1,283,755	13,620,531	—	2.0	98.0	—	
	1914	1	9	2	3,068	122	3,046	—	0.7	99.3	—	5,108,556	1,30,806	5,077,750	—	0.6	99.4	—	
Paper and wood pulp.....	1919	3	40	1	1,999	57	1,942	—	2.9	97.1	—	12,939,103	1,287,791	12,651,312	—	2.2	97.8	—	
	1914	4	37	3	1,898	65	1,782	51	3.4	93.9	2.7	5,968,797	148,809	5,702,441	117,547	2.5	95.5	2.0	
Rubber tires, tubes, and rubber goods, not else- where specified.	1919	—	19	2	5,060	—	5,060	—	—	100.0	—	33,927,913	—	33,927,913	—	—	100.0	—	
	1914	2	18	—	2,485	—	2,485	—	—	100.0	—	10,187,757	—	10,187,757	—	—	100.0	—	
Silk goods.....	1919	6	30	5	11,254	568	10,586	100	5.0	91.1	0.9	68,053,429	3,256,528	64,654,251	112,650	4.8	95.0	0.2	
	1914	8	30	6	10,668	605	9,855	208	5.7	92.4	1.9	30,591,825	1,633,023	28,667,731	321,071	5.3	93.6	1.0	
Steam fittings and steam and hot-water heating apparatus.	1919	—	11	—	4,260	—	4,260	—	—	100.0	—	17,401,135	—	17,401,135	—	—	100.0	—	
	1914	1	12	—	3,371	—	3,371	—	—	100.0	—	6,454,482	—	6,454,482	—	—	100.0	—	
Suspenders, garters, and elastic woven goods.	1919	3	12	—	3,426	27	3,399	—	0.8	99.2	—	16,965,529	104,278	16,861,251	—	0.6	99.4	—	
	1914	1	11	—	2,974	—	2,974	—	—	100.0	—	6,064,454	—	6,064,454	—	—	100.0	—	
Tools, not elsewhere speci- fied.	1919	24	41	5	3,373	141	3,215	17	4.2	95.3	0.5	12,916,145	625,179	12,235,199	55,767	4.8	94.7	0.4	
	1914	11	28	4	2,560	41	2,515	4	1.6	98.2	0.2	4,184,535	91,761	4,079,159	10,615	2.3	97.5	0.3	
Typewriters and parts.....	1919	—	5	—	6,539	—	6,539	—	—	100.0	—	16,961,254	—	16,961,254	—	—	100.0	—	
	1914	—	7	—	4,662	—	4,662	—	—	100.0	—	7,178,293	—	7,178,293	—	—	100.0	—	
Woolen and worsted goods.	1919	2	41	1	7,798	193	7,605	—	2.5	97.5	—	51,285,383	1,073,632	50,211,851	—	2.1	97.9	—	
	1914	4	40	5	7,133	475	6,331	327	6.7	88.8	4.6	16,577,549	1,131,396	14,815,716	630,437	6.8	89.4	3.8	
Total for cities.....	1919	1,445	1,246	509	216,701	6,428	204,360	5,913	3.0	94.3	2.7	988,101,154	32,224,992	926,198,400	29,677,762	3.3	93.6	3.0	
	1914	1,211	1,025	362	159,966	6,999	147,548	5,419	4.4	92.2	3.4	390,821,251	16,930,833	360,068,335	13,822,086	4.3	92.1	3.5	
ANSONIA.....	1919	31	13	6	6,102	250	5,835	17	4.1	95.6	0.3	47,736,411	1,420,415	46,162,692	153,304	3.0	95.7	0.3	
	1914	25	13	4	4,312	313	3,987	12	7.3	92.5	0.3	21,499,441	778,637	20,681,504	39,300	3.6	96.2	0.2	
BRIDGEPORT.....	1919	181	198	64	42,862	726	41,465	671	1.7	96.7	1.6	208,039,797	3,667,244	200,516,115	3,906,438	1.8	96.4	1.9	
	1914	166	187	52	30,042	918	28,848	276	3.1	96.0	0.9	85,126,193	2,631,805	81,471,162	1,024,726	3.1	95.7	1.2	
BRISTOL.....	1919	37	24	7	7,592	114	7,468	10	1.5	98.4	0.1	30,689,970	497,821	29,906,767	285,382	1.6	97.4	0.9	
	1914	55	28	7	4,180	156	3,988	36	3.7	95.4	0.9	7,898,287	401,160	7,426,426	70,701	5.1	94.0	0.9	
DANBURY.....	1919	42	42	24	5,033	344	3,817	872	6.8	75.8	17.3	25,744,905	1,848,704	19,511,827	4,384,374	7.2	75.8	17.0	
	1914	55	48	23	5,304	697	3,938	669	13.1	74.2	12.6	10,601,841	1,432,547	7,815,139	1,354,155	13.5	73.7	12.8	
DERBY.....	1919	24	17	5	1,567	83	1,471	11	5.4	93.9	0.7	10,386,153	425,730	9,911,544	48,879	4.1	95.4	0.5	

<sup>1</sup> Includes the group "All others."  
<sup>2</sup> Includes the group "Individuals."

<sup>1</sup> Includes "iron and steel, tempering and welding"; "machine tools"; and "textile machinery and parts."  
<sup>2</sup> Includes the groups "Individuals" and "All others."

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

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISH- MENTS 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.		
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.				Indi- vid- uals.	Cor- pora- tions.	All oth- ers.				Indi- vid- uals.	Cor- pora- tions.	All oth- ers.				Indi- vid- uals.	Cor- pora- tions.	All oth- ers.
HARTFORD.....	1919	215	190	99	26,264	1,231	24,257	776	4.7	92.4	3.0		\$118,002,693	\$6,635,473	\$106,434,561	\$4,932,359	5.6	90.2	4.2			
	1914	177	143	60	17,137	1,123	15,265	749	6.6	89.1	4.4		42,831,350	2,553,638	37,758,432	2,517,230	6.0	88.2	5.9			
MERIDEN.....	1919	82	64	16	8,794	390	8,302	102	4.4	94.4	1.2		34,261,304	1,908,521	32,011,363	341,420	5.6	93.4	1.0			
	1914	59	53	12	8,166	301	7,771	94	3.7	95.2	1.2		16,745,924	839,168	15,732,472	174,284	5.0	93.9	1.0			
MIDDLETOWN.....	1919	35	37	16	3,985	130	3,751	104	3.3	94.1	2.6		18,158,983	609,055	17,097,506	452,422	3.4	94.2	2.5			
	1914	37	25	10	2,359	107	2,187	95	4.5	91.5	4.0		5,642,667	258,505	5,124,998	258,564	4.6	90.8	4.6			
NAUGATUCK.....	1919	11	15	1	5,030	14	5,016	.....	0.3	99.7	.....		19,933,338	1,128,829	19,864,509	.....	0.6	99.4	.....			
	1914	11	15	2	3,539	135	3,504	.....	1.0	99.0	.....		9,574,662	1,126,414	9,448,188	.....	1.3	98.7	.....			
NEW BRITAIN.....	1919	49	54	13	17,212	175	16,978	59	1.0	98.6	0.3		63,621,960	921,308	62,132,370	568,284	1.4	97.7	0.9			
	1914	64	45	11	14,320	388	13,905	27	2.7	97.1	0.2		23,227,004	866,781	22,273,246	86,977	3.7	95.9	0.4			
NEW HAVEN.....	1919	392	245	132	30,874	1,822	26,929	2,123	5.9	87.2	6.9		125,455,547	8,049,020	108,417,151	8,989,376	6.4	86.4	7.2			
	1914	253	199	86	24,993	1,499	21,319	2,175	6.0	85.3	8.7		57,751,729	3,764,005	49,090,081	4,897,043	6.5	85.0	8.5			
NEW LONDON.....	1919	39	30	22	2,241	61	2,058	119	2.9	91.8	5.3		10,274,112	412,023	9,285,551	576,538	4.0	90.4	5.6			
	1914	38	29	13	2,154	101	1,881	172	4.7	87.3	8.0		4,940,064	233,086	4,515,415	158,500	4.7	92.1	3.2			
NORWALK.....	1919	57	57	18	5,633	408	4,890	335	7.2	86.8	5.9		25,518,505	2,065,204	21,946,069	1,507,232	8.1	85.0	5.9			
	1914	54	36	17	4,963	413	4,047	503	8.3	81.5	10.1		9,009,401	899,163	7,047,016	1,093,222	9.6	78.2	12.1			
NORWICH.....	1919	56	50	15	5,018	155	4,719	144	3.1	94.0	2.9		28,625,546	714,400	27,379,319	531,827	2.5	95.6	1.9			
	1914	56	37	12	4,074	330	3,046	98	8.1	89.5	2.4		8,470,787	626,307	7,567,578	270,882	7.4	89.3	3.3			
STAMFORD.....	1919	49	44	23	7,939	199	7,337	403	2.5	92.4	5.1		39,121,451	890,699	36,133,626	2,081,126	2.3	92.4	5.3			
	1914	33	40	10	5,723	309	5,221	193	5.4	91.2	3.4		12,963,860	462,655	11,678,261	822,944	3.6	90.1	6.3			
TORRINGTON.....	1919	34	24	5	6,608	69	6,506	33	1.0	98.5	0.5		29,240,854	456,512	28,708,432	75,880	1.6	98.2	0.3			
	1914	26	16	12	4,974	55	4,815	101	1.1	96.8	2.1		14,314,822	206,690	13,907,488	200,644	1.4	97.2	1.4			
WATERBURY.....	1919	94	127	32	30,322	220	30,044	58	0.7	99.1	0.2		130,193,040	1,347,133	128,391,242	454,665	1.0	98.6	0.3			
	1914	77	93	20	20,189	208	19,893	88	1.0	98.5	0.4		50,659,162	733,056	49,674,223	251,883	1.4	98.1	0.5			
WILLIMANTIC.....	1919	17	15	11	3,625	32	3,517	76	0.9	97.0	2.1		22,986,585	220,873	22,387,456	378,256	1.0	97.4	1.6			
	1914	25	15	11	3,507	46	3,333	123	1.3	95.0	3.6		9,564,200	145,416	8,823,653	595,131	1.5	92.3	6.2			

\* Includes the group "All others."

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

	Cen- sus 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 aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.
Number of places.....	1919		18		9		6		3			
	1914		17		9		5		3			
	1909		15		8		5		2			
Population <sup>1</sup> .....	1920	1,380,631	865,943	62.7	152,390	11.0	269,425	19.5	444,128	32.2	514,688	37.3
	1915	1,202,688	735,439	61.1	151,885	12.6	216,722	18.0	366,832	30.5	467,249	38.9
	1910	1,114,756	630,732	56.6	126,698	11.4	268,375	24.1	235,659	21.1	484,024	43.4
Number of establishments.....	1919	4,872	3,200	65.7	614	12.6	870	17.9	1,716	35.2	1,672	34.3
	1914	4,104	2,598	63.3	648	15.8	627	15.3	1,323	32.2	1,506	36.7
	1909	4,251	2,363	55.6	526	12.4	882	20.7	955	22.5	1,888	44.4
Average number of wage earners.....	1919	292,672	216,701	74.0	44,580	15.2	72,141	24.6	100,000	34.2	75,971	26.0
	1914	226,264	159,966	70.7	34,433	15.2	53,861	23.6	72,172	31.9	66,298	29.3
	1909	210,792	138,080	65.5	28,669	13.6	60,139	28.5	49,272	23.4	72,712	34.5
Value of products.....	1919	\$1,392,431,620	\$988,101,154	71.0	\$233,562,745	16.8	\$302,990,372	21.8	\$451,548,037	32.4	\$404,330,466	29.0
	1914	545,471,517	390,821,254	71.6	92,506,031	17.0	112,605,351	20.6	185,709,272	34.0	154,650,263	28.4
	1909	490,271,695	333,124,942	67.9	78,539,022	16.0	138,107,117	28.2	116,478,803	23.8	157,146,753	32.0
Value added by manufacture.....	1919	706,494,421	530,260,158	75.1	105,196,517	14.9	159,444,519	22.6	265,619,122	37.6	176,234,263	24.9
	1914	256,960,631	187,171,256	72.8	36,279,654	14.1	54,874,751	21.4	90,016,851	37.4	69,789,375	27.2
	1909	233,012,302	158,234,823	67.9	31,312,108	13.4	72,542,576	31.1	54,380,139	32.1	74,777,479	32.1

<sup>1</sup> 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 CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

CITY AND INDUSTRY.	VALUE OF PRODUCTS.				CITY AND 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.
BRIDGEPORT.					NEW BRITAIN.				
Foundry and machine-shop products <sup>1</sup> .....	\$12,142,262	12.1	\$9,342,965	333.8	Hardware.....	\$20,782,720	33.7	\$11,844,427	132.5
Corsets.....	11,565,285	55.9	3,925,532	51.4	Foundry and machine-shop products.....	8,996,368	9.0	7,128,045	381.5
Electrical machinery, apparatus, and sup- plies.....	9,896,528	19.1	5,612,116	131.0	Bread and other bakery products.....	749,285	4.4	382,043	104.0
Brass and bronze products.....	9,566,020	5.6	( <sup>2</sup> )		Electrical machinery, apparatus, and sup- plies.....				
Iron and steel, forgings, not made in steel works or rolling mills.....	6,246,213	45.7	( <sup>2</sup> )		Furniture, metal.....				
Bread and other bakery products.....	3,049,433	17.8	1,900,017	165.3	Hardware, saddlery.....				
Hardware.....	3,004,817	4.9	1,491,204	98.5	Knit goods.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Tools, not elsewhere specified.....	2,107,919	16.3	( <sup>2</sup> )		Screws, wood.....				
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	1,983,818	5.8	342,922	20.9	Stamped ware, not elsewhere specified.....				
Cutlery, scissors, shears, clippers, and pocket knives.....	1,958,833	22.2	( <sup>2</sup> )		Steam fittings and steam and hot-water heating apparatus.....				
Suspenders, garters, and elastic woven goods.....	1,389,924	8.2	962,813	225.4	Tools, not elsewhere specified.....				
Printing and publishing, newspapers and periodicals.....	1,152,414	15.3	672,987	140.4	NEW HAVEN.				
Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.....	1,105,021	14.8	329,755	42.5	Hardware.....	8,497,119	13.8	( <sup>2</sup> )	
Confectionery and ice cream.....	905,702	17.2	685,845	312.0	Corsets.....	5,160,775	25.0	( <sup>2</sup> )	
Stamped ware, not elsewhere specified.....	777,247	10.5	249,620	47.3	Foundry and machine-shop products <sup>1</sup> .....	4,498,145	4.5	3,241,299	257.9
Ammunition.....					Bread and other bakery products.....	3,367,874	19.7	1,841,745	120.7
Asbestos textile-mill products, not in- cluding steam packing.....					Automobile bodies and parts.....	3,099,501	50.0	1,726,061	125.7
Automobiles.....					Paper and wood pulp.....	2,426,646	18.8	( <sup>2</sup> )	
Clothing, men's and youths'.....					Tobacco, cigars.....	2,270,666	52.7	838,568	58.6
Cotton lace.....					Confectionery and ice cream.....	1,998,429	38.0	1,085,788	119.0
Firearms.....					Printing and publishing, book and job.....	1,790,064	28.7	940,313	110.7
Gas, illuminating and heating.....					Liquors, malt.....	1,620,589	30.4	317,828	24.4
Iron and steel, steel works and rolling mills.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	Printing and publishing, newspapers and periodicals.....	1,497,585	19.9	681,899	83.6
Ordnance and accessories.....					Tools, not elsewhere specified.....	1,064,852	8.2	515,619	93.9
Phonographs and graphophones.....					Automobile repairing.....	931,319	20.5	( <sup>2</sup> )	
Plated ware.....					Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.....	913,729	12.2	286,577	45.7
Sewing machines and attachments.....					Screws, machine.....	833,794	25.5	( <sup>2</sup> )	
Shipbuilding, steel, new vessels.....					Clothing, women's.....	828,740	11.2	( <sup>2</sup> )	
Silk goods.....					Furniture.....	822,556	32.1	613,827	294.1
Silversmithing and silverware.....					Brass, bronze, and copper products.....	733,285	0.4	( <sup>2</sup> )	
Steam fittings and steam and hot-water heating apparatus.....					Wirework, not elsewhere specified.....	688,629	30.0	( <sup>2</sup> )	
Typewriters and parts.....					Food preparations, not elsewhere specified.....	614,825	35.7	294,897	92.2
Wire.....					Clothing, men's.....	590,915	21.8	493,033	503.7
HARTFORD.					Ammunition.....				
Foundry and machine-shop products <sup>1</sup> .....	15,785,108	15.7	11,678,588	284.4	Boots and shoes, rubber.....				
Electrical machinery, apparatus, and sup- plies.....	6,104,213	11.8	3,351,963	121.8	Boxes, set-up paper boxes and cartons.....				
Bread and other bakery products.....	2,726,736	15.9	1,548,831	131.5	Cars and general shop construction and repairs by steam-railroad companies.....				
Printing and publishing, book and job.....	2,273,994	36.4	920,630	68.0	Clocks.....				
Printing and publishing, newspapers and periodicals.....	1,991,757	26.5	1,100,403	123.5	Dyeing and finishing textiles, exclusive of that done in textile mills.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Liquors, malt.....	1,790,421	33.5	331,534	22.7	Gas, illuminating and heating.....				
Automobile bodies and parts.....	1,783,964	28.8	( <sup>2</sup> )		Hardware, saddlery.....				
Clothing, women's.....	1,658,846	22.3	1,181,857	247.8	Ordnance and accessories.....				
Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.....	1,424,791	19.1	891,147	167.0	Perfumery and cosmetics.....				
Tools, not elsewhere specified.....	1,131,927	8.8	1,112,861	5,836.9	Rubber tires, tubes, and rubber goods, not elsewhere specified.....				
Tobacco, cigars.....	849,494	10.7	188,457	28.5	Slaughtering and meat packing.....				
Automobile repairing.....	668,756	14.7	( <sup>2</sup> )		Toys and games.....				
Confectionery and ice cream.....	638,193	12.1	( <sup>2</sup> )		Wire.....				
Belted, leather.....					WATERBURY.				
Boots and shoes, not including rubber boots and shoes.....					Brass, bronze, and copper products.....	86,483,986	51.0	53,859,799	165.1
Brushes.....					Foundry and machine-shop products.....	7,690,482	7.7	4,308,011	127.4
Dental goods.....					Needles, pins, and hooks and eyes.....	7,013,062	50.4	( <sup>2</sup> )	
Engines, steam, gas, and water.....					Stamped ware, not elsewhere specified.....	1,980,670	26.7	913,455	85.6
Fertilizers.....					Bread and other bakery products.....	1,316,774	7.7	757,917	135.6
Firearms.....					Buttons.....	1,292,463	66.1	( <sup>2</sup> )	
Gas, illuminating and heating.....					Printing and publishing, newspapers and periodicals.....	561,552	7.5	290,934	107.5
Iron and steel, steel works and rolling mills.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	Electrical machinery, apparatus, and sup- plies.....				
Iron and steel, forgings, not made in steel works or rolling mills.....					Hardware.....				
Iron and steel, cut nails and spikes, not made in steel works or rolling mills.....					Instruments, professional and scientific.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Rubber tires, tubes, and rubber goods, not elsewhere specified.....					Lamps.....				
Screws, machine.....					Plated ware, knives, forks, spoons, and other flat ware.....				
Steam fittings and steam and hot-water heating apparatus.....					Pumps, not including power pumps.....				
Typewriters and parts.....					Watches.....				

<sup>1</sup> Includes "machine tools," to the value of \$6,038,480; and "iron and steel, tempering and welding," \$41,170.<sup>2</sup> Figures can not be shown without disclosing individual operations.<sup>3</sup> Includes "machine tools," to the value of \$8,187,937; and "iron and steel, welding," \$15,685.<sup>4</sup> Includes "machine tools," to the value of \$1,263,178; and "iron and steel, welding," \$44,432.



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

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	26,334	11,239	7,357	664,691	453,812	400,275	100.0	100.0	100.0
Owned.....	2,929	3,439	3,930	421,926	388,371	362,217	63.5	85.6	90.5
Steam <sup>1</sup> .....	1,777	2,270	2,574	340,746	303,799	275,439	51.3	66.9	68.8
Engines.....	1,601	( <sup>2</sup> )	( <sup>2</sup> )	230,934	( <sup>2</sup> )	( <sup>2</sup> )	34.7		
Turbines.....	176	( <sup>2</sup> )	( <sup>2</sup> )	109,812	( <sup>2</sup> )	( <sup>2</sup> )	16.5		
Internal-combustion engines.....	481	437	460	10,928	17,770	12,844	1.6	3.9	3.2
Water.....	671	732	896	70,252	66,802	73,934	10.6	14.7	18.5
Water wheels and turbines.....	661	717	869	70,140	66,742	73,697	10.6	14.7	18.4
Water motors.....	10	15	27	112	60	237	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Rented.....	23,405	7,800	3,427	242,765	65,441	38,058	36.5	14.4	9.5
Electric.....	23,405	7,800	3,427	242,390	64,294	33,620	36.5	14.2	8.4
Other.....				375	1,147	4,438	0.1	0.2	1.1
Electric.....	37,410	17,376	8,536	396,963	176,009	97,671	100.0	100.0	100.0
Rented.....	23,405	7,800	3,427	242,390	64,294	33,620	61.1	36.5	34.4
Generated by establishments reporting.....	14,005	9,576	5,109	154,573	111,715	64,051	38.9	63.5	65.6

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

TABLE 18.—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..	398,121	2,281,130	163,288	1,447,586	32,618	627,462
Per cent of increase.....1914..	371,893	1,654,208	63,135	471,996	( <sup>1</sup> )	291,028
	7.1	37.9	158.6	213.6	( <sup>1</sup> )	115.6
Ammunition.....	16,351	84,588	1,500	117,877	2,000	21,000
Boots and shoes, rubber.....	1,161	32,536	136			681
Brass, bronze, and copper products.....	115,871	303,022	15,299	390,023	3,653	25,850
Cars and general shop construction and repairs by steam-railroad companies.....		32,207	32			15,861
Cotton goods.....	17,468	112,252		3,226	67	
Dyeing and finishing textiles, exclusive of that done in textile mills.....	2,585	55,096	12,231	282		
Electrical machinery, apparatus, and supplies.....	7,770	58,243	1,010	9,907	1,276	35,796
Firearms.....		49,248		4,487	661	15,780
Foundry and machine-shop products.....	11,342	92,069	35,766	19,253	4,523	48,919
Gas, illuminating and heating.....	40,870	224,434	47,148	483,278	127	969
Hardware.....	17,338	118,092	4,303	44,045	513	32,723
Hats, fur-felt.....	6,080	34,736		8	125	4,261
Iron and steel, steel works and rolling mills.....	43,544	67,281	11,244	12,115	147	2,029
Iron and steel, forgings, not made in steel works or rolling mills.....	2,829	18,693	102	158,259	144	1,550
Paper and wood pulp.....	4,161	167,679		46,002	24	
Plated ware.....	1,709	24,003	191	6,089	242	21,230
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	2,179	65,026		4		5,409
Silk goods.....	4,290	81,050			225	8,011
Steam fittings and steam and hot-water heating apparatus.....	14,635	26,157	9,532	2,515	208	14,399
Wire.....	528	29,943	622	11,125		2,634
Woolen goods.....	1,037	50,917				
Worsted goods.....		28,422		15,492	50	
All other industries.....	86,373	530,438	14,172	123,599	18,628	390,300
Total for cities.....	321,793	1,621,608	116,474	1,360,704	19,774	545,919
ANSONIA.....	10,869	57,437	8,391	31,324	87	18,083
BRIDGEPORT.....	107,121	293,670	17,022	188,029	4,059	80,417
BRISTOL.....	11,058	29,345	4,504	30,451	693	10,812
DANBURY.....	3,157	35,574	262	9,485	123	4,280
DERBY.....	1,218	5,720	3,237	346	22	1,988
HARTFORD.....	11,848	120,663	26,374	153,756	3,707	138,882
MERIDEN.....	3,341	59,960	1,927	8,058	168	69,402
MIDDLETOWN.....	3,443	30,028	1,314	265,877	555	16,879
NAUGATUCK.....	2,259	58,470	974	237	216	314
NEW BRITAIN.....	19,183	129,057	6,849	60,717	776	32,791
NEW HAVEN.....	25,931	331,714	12,422	199,805	4,911	112,967
NEW LONDON.....	4,179	11,506	1,228	8,351	131	5,745
NORWALK.....	8,114	29,951	3,528	6,681	122	3,457
NORWICH.....	1,091	53,761	3,796	52,615	300	1,584
STAMFORD.....	16,272	48,364	4,576	40,811	522	18,021
TORRINGTON.....	17,000	46,900	2,104	41,427	161	1,256
WATERBURY.....	65,386	250,070	17,829	262,734	3,208	28,798
WILLIMANTIC.....	10,323	19,428	137		63	243

<sup>1</sup> 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 eight of these industries in Connecticut are here presented.

**Textiles (Table 19).**—The textile industries shown in this table for Connecticut, comprising cordage and twine; cotton goods; cotton lace; cotton small wares; felt goods; fur-felt hats; knit goods; silk goods, including throwsters; woolen and worsted goods; and wool shoddy, constitute one of the most important groups of manufactures in the state according to value of products. This group contributed, in 1919, 19 per cent of the total value of products of all the manufacturing enterprises of the state and provided employment to 14.9 per cent of the wage earners in such enterprises. In addition, 16 dyeing and finishing establishments reported products valued at \$8,350,098.

In 1919, Connecticut ranked first among the states in value of products in the fur-felt hat industry, fourth in silk, sixth in cotton, and sixth in the combined woolen and worsted goods industry.

The following table shows the relative importance of the principal textile industries of the state.

TABLE 19.—TEXTILES: 1919.

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.
Total <sup>1</sup> .....	225	43,749	100.0	\$265,101,932	100.0	\$106,461,975	100.0
Cotton goods, cotton lace, and cotton small wares.....	57	16,483	37.7	105,054,383	39.6	39,251,974	36.9
Silk goods, including throwsters.....	41	11,254	25.7	68,053,429	25.7	30,527,560	28.7
Woolen, worsted, and felt goods.....	47	8,132	18.6	53,814,059	20.3	20,605,579	19.4
Hats, fur-felt.....	41	4,580	10.5	23,152,468	8.7	10,947,702	10.3
Knit goods.....	21	2,649	6.0	9,332,776	3.5	3,983,556	3.7
Wool shoddy.....	9	303	0.7	3,761,820	1.4	650,635	0.6
Cordage and twine.....	9	348	0.8	1,932,997	0.7	494,969	0.5

<sup>1</sup> Excludes establishments as follows: "Carpets and rugs, other than rag," 1; and "hats, wool-felt," 1, to avoid disclosure of individual operations.

**Cotton manufactures (Table 20).**—This table shows the quantity and cost of the principal materials used and the quantity and value of the chief products relating to cotton manufactures, for 1919, 1914, and 1909.

The total cost of materials increased 279.6 per cent from 1914 to 1919, and 450.2 per cent from 1909 to 1919. The amount of raw cotton consumed shows very little change from 1914 to 1919, the increase in quantity being only 1 per cent, but during the same period the consumption of purchased cotton yarn increased 213.5 per cent.

TABLE 20.—COTTON MANUFACTURES: 1919, 1914, AND 1909.

	1919	1914	1909
<b>MATERIALS.</b>			
Total cost.....	\$65,802,409	\$17,334,878	\$11,959,722
Cotton:			
Domestic—			
Pounds.....	53,629,265	52,333,105	51,664,951
Cost.....	\$20,914,671	\$8,018,943	\$6,425,319
Foreign—			
Pounds.....	7,726,664	8,394,202	6,058,409
Cost.....	\$4,173,594	\$1,800,646	\$1,058,728
Yarns purchased:			
Cotton—			
Pounds.....	33,839,546	10,795,133	3,671,011
Cost.....	\$32,643,788	\$4,172,975	\$1,430,813
Other—			
Pounds.....	335,337	225,895	154,757
Cost.....	\$788,016	\$518,731	\$450,801
Cotton waste, purchased:			
Pounds.....	2,262,821	1,526,700	2,224,582
Cost.....	\$520,301	\$91,030	\$149,267
Starch, cost.....	\$350,710	\$83,773	\$111,368
Chemicals and dyestuffs, cost.....	\$230,012	\$233,730	\$225,354
Fuel and rent of power, cost.....	\$1,204,764	\$534,516	\$478,710
All other materials, cost.....	\$5,056,053	\$1,910,534	\$1,629,362
<b>PRODUCTS.</b>			
Total value.....	\$105,054,383	\$30,808,918	\$24,231,881
Woven goods (over 12 inches in width):			
Pounds.....	59,750,134	(1)	(1)
Square yards.....	199,244,653	203,868,284	186,690,012
Value.....	\$68,528,161	\$18,560,045	\$15,054,224
Unbleached and bleached sheetings, shirtings, and muslins—			
Pounds.....	9,477,166	(1)	(1)
Square yards.....	69,757,504	93,298,425	93,142,124
Value.....	\$13,160,707	\$6,423,411	\$6,820,710
Twills, sateens, etc.—			
Pounds.....	7,175,762	(1)	(1)
Square yards.....	29,198,245	33,445,109	40,827,992
Value.....	\$5,982,241	\$2,911,329	\$3,152,078
Ticks and denims—			
Pounds.....	5,295,014	(1)	(1)
Square yards.....	10,055,188	13,660,250	14,888,985
Value.....	\$4,654,608	\$1,400,158	\$1,612,636
Tire duck and other tire fabrics—			
Pounds.....	27,387,217	(1)	(1)
Square yards.....	26,797,866	(3)	(3)
Value.....	\$30,271,320	(2)	(2)
Other woven goods (over 12 inches in width)—			
Pounds.....	10,444,975	(1)	(1)
Square yards.....	63,436,290	63,464,500	37,830,911
Value.....	\$15,459,255	\$7,825,117	\$3,498,800
Yarns for sale:			
Pounds.....	13,483,829	8,409,090	7,914,873
Value.....	\$11,735,652	\$3,497,879	\$2,846,742
Cotton waste for sale:			
Pounds.....	11,065,638	11,374,187	11,315,800
Value.....	\$1,784,827	\$720,299	\$469,811
All other products, value.....	\$23,005,743	\$8,030,695	\$5,831,104

<sup>1</sup> Not reported.

<sup>2</sup> Included in "Other woven goods."

The total value of products increased 241 per cent from 1914 to 1919, and 333.5 per cent from 1909 to 1919. The yardage of all classes of woven goods combined decreased 2.3 per cent from 1914 to 1919, although an increase of 6.7 per cent was reported from 1909 to 1919. The most important change in the nature of products reported at the last census for this industry was the manufacture of tire duck and other kinds of tire fabrics. The value of all kinds of tire fabrics in 1919 formed 28.8 per cent of the total value of products for the industry and 44.2 per cent of the total for the group designated as woven goods. Tire fabrics were not reported as such prior to the census of 1919, but were included with the item, "Other woven goods." There has been a pronounced increase in the manufacture of yarns for sale. The output in pounds

of such yarns increased 60.3 per cent from 1914 to 1919, and 70.4 per cent from 1909 to 1919. Sewing thread was one of the leading cotton products reported for the state, but can not be shown without disclosing individual operations.

Silk goods (Table 21).—There were 41 establishments, including 10 throwsters, engaged in this industry in Connecticut in 1919, a decrease of 3 as compared with 1914.

The quantity and cost of the principal materials used and the quantity and value of the different products manufactured are shown in Table 21 for 1919, 1914, and 1909.

In 1919 raw silk, constituting 36.1 per cent of the total cost of materials, decreased 5.2 per cent in quantity as compared with 1914, but increased 86.5 per cent in cost. The corresponding figures for the other materials reported separately are: Spun silk, an increase of 36.3 per cent in quantity and 145.3 per cent in cost; organzine, tram, and hard crêpe twist, purchased as such and used in manufacture, an increase of 484.7 per cent in quantity and 829.2 per cent in cost; cotton yarn (including mercerized), a decrease of 7.9 per cent in quantity but an increase of 104.6 per cent in cost; and woolen, mohair, and other yarns, a decrease of 76.7 per cent in quantity and 46.5 per cent in cost.

Velvets and plushes, the most important product of the industry, constituting, in 1919, 47.6 per cent of the total value of products, increased 70.2 per cent in quantity and 127.7 per cent in value from 1909 to 1914, but decreased 9 per cent in quantity and increased 138.5 per cent in value from 1914 to 1919. Broad silks, which decreased 19.5 per cent in quantity and one-tenth of 1 per cent in value from 1909 to 1914, increased 27.4 per cent in quantity and 183.2 per cent in value from 1914 to 1919. Machine twist, sewing and embroidery, and fringe and floss silks decreased 14.5 per cent in quantity and 12.4 per cent in value from 1909 to 1914, but increased one-tenth of 1 per cent in quantity and 121.6 per cent in value from 1914 to 1919. The production of ribbon decreased 51.4 per cent in value from 1909 to 1914, but increased 74.9 per cent from 1914 to 1919. The production of embroideries, braids and bindings, and fringes and gimps, while showing an increase in value in 1919 over that reported in 1914 of 644 per cent, shows a decrease of 22 per cent from 1909 to 1919. The amount received for contract work in 1919 shows a notable increase over both 1914 and 1909. In 1919, 202,181 pounds of silk were thrown on commission, of which 23,080 pounds were thrown into organzine, 15,000 pounds into tram, and 164,101 pounds into hard crêpe twist.

TABLE 21.—SILK GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
<b>MATERIALS.</b>			
Total cost.....	\$37,525,869	\$18,406,252	\$11,834,345
<b>Silk:</b>			
Raw—			
Pounds.....	1,777,775	1,875,922	1,624,701
Cost.....	\$13,544,641	\$7,263,562	\$6,099,209
Spun—			
Pounds.....	1,696,472	1,244,745	690,379
Cost.....	\$5,192,911	\$3,340,302	\$1,425,657
Organzine, tram, and hard crêpe twist, purchased—			
Pounds.....	240,429	41,121	54,619
Cost.....	\$1,914,645	\$206,051	\$235,785
<b>Yarns:</b>			
Cotton, including mercerized—			
Pounds.....	4,581,857	4,976,715	2,439,405
Cost.....	\$3,724,174	\$1,820,566	\$870,707
Woolen, mohair, and other—			
Pounds.....	449,890	1,933,192	332,204
Cost.....	\$971,106	\$1,814,812	\$826,208
Fuel and rent of power, cost.....	\$583,945	\$319,489	\$214,763
All other materials, cost.....	\$8,294,447	\$4,641,470	\$2,159,016
<b>PRODUCTS.</b>			
Total value.....	\$68,053,429	\$30,591,825	\$21,062,687
Machine twist, sewing, embroidery, fringe, and floss silks:			
Pounds.....	709,310	708,092	528,678
Value.....	\$9,909,218	\$4,472,551	\$5,103,180
Broad silks:			
Yards.....	11,696,309	9,177,029	11,464,011
Value.....	\$16,664,633	\$5,884,845	\$5,890,233
Velvets and plushes:			
Yards.....	18,454,656	20,275,602	11,912,758
Value.....	\$32,362,757	\$19,571,146	\$5,959,175
Ribbons, value.....	\$956,930	\$547,155	\$1,125,697
Embroideries, braids and bindings, and fringes and gimps, value.....	\$164,032	\$22,048	\$210,427
Amount received for contract work.....	\$732,897	\$135,603	\$293,332
All other products, value.....	\$7,262,962	\$5,088,447	\$2,475,613

Wool manufactures (Table 22).—This table shows the quantity and cost of the principal materials and the quantity and value of the chief products reported for the wool manufacturing industries in Connecticut for 1919, 1914, and 1909.

Wool manufactures, comprising the woolen, worsted, and felt goods industries, show an increase of 208.5 per cent in total cost of materials from 1914 to 1919. In 1919 wool (foreign and domestic) represented 36.4 per cent of the total cost of materials, and yarns 32.2 per cent. The quantity of foreign wool consumed increased 362.5 per cent from 1914 to 1919, and the cost 1,295.2 per cent; whereas that of domestic origin decreased 15.4 per cent in quantity but increased 184.6 per cent in cost. Considerable quantities of the yarn consumed in 1919 were produced by the establishments engaged in this industry. Both raw cotton and cotton yarn show marked decreases in quantity, 62.5 per cent less raw cotton being consumed in 1919 than in 1914 and 56.6 per cent less purchased cotton yarn; the cost, however, increased, respectively, 2.6 per cent and 27.9 per cent. Of the total quantity of yarn purchased in 1919, worsted constituted 77.1 per cent and cotton 13.7 per cent. The quantity of purchased worsted yarn decreased

13.5 per cent from 1914 to 1919, but the cost increased 151.3 per cent. During the same period recovered wool fiber increased 149.1 per cent in quantity and 701.1 per cent in cost.

TABLE 22.—WOOL MANUFACTURES: 1919, 1914, AND 1909.

	1919	1914	1909
<b>MATERIALS.</b>			
Total cost.....	\$33,208,480	\$10,763,510	\$12,838,142
Wool:			
Foreign (in condition purchased)—			
Pounds.....	5,003,505	1,081,756	1,088,035
Cost.....	\$4,995,569	\$358,064	\$293,687
Domestic (in condition purchased)—			
Pounds.....	6,703,814	7,924,204	9,084,587
Cost.....	\$7,093,150	\$2,492,392	\$3,474,052
Equivalent in scoured condition, pounds.....	9,562,788	6,386,974	7,045,156
Cotton:			
Pounds.....	361,195	964,377	558,585
Cost.....	\$128,758	\$125,445	\$82,852
Recovered wool fiber:			
Pounds.....	3,909,777	1,509,619	1,593,181
Cost.....	\$1,969,117	\$245,792	\$295,442
Waste and noils of wool, mohair, etc.:			
Pounds.....	1,910,610	1,953,136	1,871,548
Cost.....	\$1,107,313	\$516,390	\$466,078
Yarns:			
Pounds.....	4,069,446	5,778,136	6,372,748
Cost.....	\$10,704,423	\$4,431,030	\$6,056,001
Worsted—			
Pounds.....	3,598,193	4,161,962	5,113,219
Cost.....	\$9,564,369	\$3,806,284	\$5,629,603
Cotton—			
Pounds.....	641,080	1,477,480	1,193,956
Cost.....	\$434,922	\$339,935	\$291,770
All other—			
Pounds.....	430,173	138,694	65,573
Cost.....	\$705,132	\$284,811	\$134,628
Chemicals and dyestuffs, cost.....	\$1,424,567	\$575,802	\$534,281
Fuel and rent of power, cost.....	\$825,546	\$358,682	\$329,872
All other materials, cost.....	\$4,960,037	\$1,650,907	\$1,305,877
<b>PRODUCTS.</b>			
Total value.....	\$53,814,059	\$17,128,975	\$19,363,228
Woven goods:			
Pounds.....	21,622,655	(1)	(1)
Square yards.....	29,625,488	24,393,717	24,553,203
Value.....	\$48,336,265	\$15,853,044	\$17,464,589
All-wool—			
Pounds.....	16,467,520	(1)	(1)
Square yards.....	22,768,782	16,021,944	17,987,303
Value.....	\$43,428,772	\$12,456,958	\$15,103,628
Suits—			
Woolen—			
Pounds.....	9,680,124	(1)	(1)
Square yards.....	14,489,103	5,670,797	4,371,262
Value.....	\$23,590,925	\$3,767,215	\$3,834,073
Worsted—			
Pounds.....	3,403,147	(1)	(1)
Square yards.....	4,924,489	6,270,310	(2)
Value.....	\$18,030,111	\$5,696,500	(2)
Overcoatings, cloakings, etc., woolen—			
Pounds.....	2,778,427	(1)	(1)
Square yards.....	2,503,570	2,558,488	2,827,661
Value.....	\$4,752,875	\$1,979,860	\$2,618,255
Dress goods, woolen—			
Pounds.....	(2)	(1)	(1)
Square yards.....	(2)	1,308,776	1,610,689
Value.....	(2)	\$812,088	\$902,806
All other—			
Pounds.....	605,822	(1)	(1)
Square yards.....	851,620	213,573	9,177,691
Value.....	\$2,054,861	\$201,295	\$7,748,494
Wool-and-cotton mixed—			
Pounds.....	1,239,057	(1)	(1)
Square yards.....	1,472,914	1,775,642	2,168,484
Value.....	\$2,035,439	\$1,054,369	\$1,105,667
Cotton-warp, woolen or worsted filling—			
Pounds.....	3,916,078	(1)	(1)
Square yards.....	5,383,792	6,596,131	4,397,416
Value.....	\$2,872,054	\$2,341,717	\$1,255,294
Yarns, waste, and noils, for sale:			
Pounds.....	857,723	918,073	1,238,211
Value.....	\$1,701,818	\$336,366	\$753,808
Contract work, value.....	\$179,400	\$68,179	\$32,848
All other products, value.....	\$3,596,576	\$871,386	\$1,111,983

<sup>1</sup> Not reported.

<sup>2</sup> Included in "All other" to avoid disclosure of individual operations.

<sup>3</sup> None reported in 1919.

Wool manufactures increased 214.2 per cent in value of products from 1914 to 1919. The value of woven goods, the principal output, constituted 89.8 per cent of the total value of products for the industry in 1919; 92.6 in 1914; and 90.2 per cent in 1909. The increase in the total number of square yards woven was 21.4 per cent from 1914 to 1919, and the increase in value was 204.9 per cent. All-wool woven goods predominated at each census, representing 73.3 per cent of the total yardage of woven goods in 1909, 65.7 per cent in 1914, and 76.9 per cent in 1919. The increase in the number of square yards of all-wool cloth woven in 1919, as compared with 1914, was 42.1 per cent, with an increase in value of 248.6 per cent. Woolen suitings, in 1919, constituting 48.9 per cent of the total yardage of woven goods, shows an increase of 155.5 per cent from 1914 to 1919 in yardage and of 526.2 per cent in value, while worsted suitings, with 16.6 per cent of the total yardage in 1919, shows a decrease of 21.5 per cent in yardage but an increase of 128.7 per cent in value.

The decrease from 1914 to 1919 of purchased cotton (raw) and cotton yarn is paralleled by corresponding decreases in the production of cotton-mixed and cotton-warp woven goods.

Knit goods (Table 23).—The quantity and cost of the principal materials used and the quantity and value of the products for the knit-goods industry are shown in Table 23 for 1919, 1914, and 1909.

In this branch of the textile industry increases in total cost of materials and in total value of products are shown for the later five-year period. The consumption of foreign wool, of worsted and of "All other" yarns, and of "All other materials" increased; foreign wool, 2.9 per cent in quantity and 119.9 per cent in cost; worsted and "All other" yarns combined, 9.3 per cent in quantity and 189.8 per cent in cost; and "All other materials," 78.4 per cent in cost.

Although the total value of products was greater in 1919 than in 1914, decreases are shown in the quantity of a number of the specified items. The output of shirts and drawers decreased 32.7 per cent in quantity, but increased 31.3 per cent in value. Decreases in both quantity and value from 1914 to 1919 were marked in cotton and wool shirts and drawers, while merino, which represents 83.1 per cent of the total value of shirts and drawers, decreased 15.1 per cent in quantity but increased 58.1 per cent in value. A marked increase is shown in both quantity and value of union suits—the increase being in the wool and merino garments.

The production of cardigan jackets, sweaters, etc., from 1914 to 1919 decreased 54.6 per cent in quantity, but increased 37.8 per cent in value.

TABLE 23.—KNIT GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
<b>MATERIALS.</b>			
Total cost.....	\$5,349,220	\$2,726,571	\$3,048,547
Cotton:			
Pounds.....	1,238,838	1,727,377	1,971,512
Cost.....	\$477,387	\$250,565	\$286,468
Wool (in condition purchased):			
Pounds.....	596,589	1,090,505	1,019,245
Cost.....	\$681,723	\$461,600	\$467,854
Foreign—			
Pounds.....	194,026	188,585	251,055
Cost.....	\$205,064	\$93,266	\$113,600
Domestic—			
Pounds.....	402,563	901,920	768,190
Cost.....	\$476,659	\$368,334	\$354,254
Wool waste and noils:			
Pounds.....	826,903	811,613	2,015,712
Cost.....	\$590,280	\$309,508	\$630,130
Yarns:			
Pounds.....	1,177,653	1,273,861	2,010,048
Cost.....	\$1,772,791	\$683,187	\$908,551
Cotton—			
Pounds.....	673,099	782,518	1,539,828
Cost.....	\$535,967	\$276,202	\$463,922
Woolen—			
Pounds.....	3,890	8,820	282
Cost.....	\$4,564	\$5,238	\$197
Worsted—			
Pounds.....	409,700	378,595	416,566
Cost.....	\$970,883	\$319,910	\$393,596
Merino—			
Pounds.....	72,648	90,919	46,178
Cost.....	\$166,473	\$34,946	\$26,094
All other—			
Pounds.....	18,316	13,009	7,194
Cost.....	\$94,904	\$47,891	\$24,742
Chemicals and dyestuffs, cost.....	\$56,374	\$44,865	\$52,249
Fuel and rent of power, cost.....	\$122,835	\$53,344	\$67,643
All other materials, cost.....	\$1,647,830	\$923,562	\$635,632
<b>PRODUCTS.</b>			
Total value.....	\$9,332,776	\$5,221,683	\$5,800,692
Hosiery:			
Dozen pairs.....	376,585	544,475	560,100
Value.....	\$1,214,648	\$841,912	\$1,109,617
Shirts and drawers:			
Dozens.....	339,968	505,219	471,708
Value.....	\$4,674,795	\$3,559,982	\$3,656,160
Cotton—			
Dozens.....	44,962	131,988	113,603
Value.....	\$373,115	\$486,518	\$475,545
Wool—			
Dozens.....	26,963	57,427	19,516
Value.....	\$418,197	\$616,905	\$239,100
Merino—			
Dozens.....	268,043	315,804	338,589
Value.....	\$3,883,483	\$2,456,559	\$2,941,515
Union suits:			
Dozens.....	77,108	24,858	42,613
Value.....	\$1,815,543	\$366,856	\$349,025
Cotton—			
Dozens.....	5,878	9,152	29,527
Value.....	\$105,415	\$104,813	\$167,345
Wool—			
Dozens.....	31,150	6,220	10,088
Value.....	\$784,873	\$101,873	\$133,427
Merino—			
Dozens.....	40,080	9,486	2,998
Value.....	\$925,255	\$160,170	\$48,253
Cardigan jackets, sweaters, etc.:			
Dozens.....	5,226	11,519	3,912
Value.....	\$354,304	\$257,028	\$113,162
All other products, value.....	\$1,273,486	\$195,905	\$572,728

<sup>1</sup> Includes silk and silk-mixed.

Hats, fur-felt (Table 24).—This table shows the quantity and cost of the principal materials used, and details as to the value of products in the fur-felt hat industry for 1919, 1914, and 1909.

The cost of materials in the fur-felt hat industry increased 163.4 per cent from 1914 to 1919. Hatters' fur, the principal material, constituted 62.6 per cent of the total cost of materials in 1919, and, compared with 1914, shows an increase of 48.4 per cent in quantity and 288.2 per cent in cost. The number of dozens of purchased fur-felt hat bodies and hats in the rough decreased 9.8 per cent between 1914 and 1919, although the cost increased 84.4 per cent. From 1909

to 1914 the cost of chemicals and dyestuffs decreased 44.1 per cent, but increased 186.8 per cent from 1914 to 1919.

The total value of products increased 144.3 per cent from 1914 to 1919. The production of fur-felt hats in 1919, which comprised 68.2 per cent of the total value of products, shows an increase over 1914 of 9.2 per cent in quantity and 108.2 per cent in value.

The number of dozens of hat bodies and hats in the rough, produced for sale in 1919, shows an increase of 67.7 per cent over 1914 and an increase in value of 284.4 per cent.

TABLE 24.—HATS, FUR-FELT: 1919, 1914, AND 1909.

	1919	1914	1909
<b>MATERIALS.</b>			
Total cost.....	\$12,204,766	\$4,633,274	\$4,848,983
Hatters' fur:			
Pounds.....	2,568,798	1,731,569	1,673,332
Cost.....	\$7,637,420	\$1,967,618	\$1,909,916
Fur-felt hat bodies and hats in the rough:			
Dozens.....	81,811	90,745	87,117
Cost.....	\$997,227	\$540,939	\$491,161
Chemicals and dyestuffs, cost.....	\$506,286	\$176,501	\$315,598
Fuel and rent of power, cost.....	\$304,472	\$170,850	\$175,076
All other materials, cost.....	\$2,759,361	\$1,777,366	\$1,957,233
<b>PRODUCTS.</b>			
Total value.....	\$23,152,468	\$9,475,778	\$10,399,860
Fur-felt hats:			
Dozens.....	563,267	515,986	530,558
Value.....	\$15,791,197	\$7,585,947	\$7,858,882
Fur-felt hat bodies and hats in the rough, for sale:			
Dozens.....	448,136	267,178	335,947
Value.....	\$6,696,166	\$1,741,885	\$2,407,044
All other products, value.....	\$665,105	\$147,946	\$133,934

Machinery used in textile mills (Table 25).—The number and kinds of the principal machines used in the four groups of textile industries are given in this table.

TABLE 25.—MACHINERY USED IN TEXTILE MILLS: 1919, 1914, AND 1909.

MACHINE.	Census year.	Total.	Cotton manufactures.	Knit goods.	Silk goods.	Wool manufactures. <sup>1</sup>
Producing spindles (not including doubling and twisting spindles).	1919	1,668,649	1,256,776	34,230	172,024	205,619
	1914	1,612,349	1,276,148	37,152	141,712	157,337
	1909	1,593,418	1,241,524	53,604	118,302	179,688
Looms.....	1919	* 34,430	25,612	.....	* 5,460	3,358
	1914	35,497	26,721	.....	5,536	3,240
	1909	32,785	24,370	.....	5,006	3,409
Knitting machines.....	1919	* 2,885	.....	* 2,885	.....	.....
	1914	2,139	.....	.....	.....	.....
	1909	2,501	.....	2,501	.....	.....
Woolen cards (sets).....	1919	* 510	.....	* 117	.....	393
	1914	461	.....	86	.....	375
	1909	522	.....	114	.....	408
Wool-combing machines...	1919	8	.....	.....	.....	8
	1914	13	.....	.....	.....	13
	1909	33	.....	.....	.....	33

<sup>1</sup> Not including spindles, looms, and cards reported by carpet mills.

\* Includes 319 looms idle entire year.

\* Includes 604 machines idle entire year.

\* Includes 1 card idle entire year.

The number of producing spindles increased 56,300, or 3.5 per cent, from 1914 to 1919, but the number of

looms decreased 1,067, or 3 per cent. The number of knitting machines increased 746, or 34.9 per cent.

Of the total number of producing spindles reported for 1919, 75.3 per cent were in cotton mills, 12.3 per cent in woolen, worsted, and felt mills, 10.3 per cent in silk mills, and 2.1 per cent in knitting mills.

Electrical machinery, apparatus, and supplies (Table 26).—This table shows the principal products of the industry in Connecticut for 1919, 1914, and 1909. The value of products of the industry as a whole shows an increase of \$37,581,176, or 262.3 per cent, from 1914 to 1919, and \$4,505,783, or 45.9 per cent, from 1909 to 1914. Insulated wire and cables was the chief product for which separate values are shown at each of the three censuses, forming 21.8 per cent of the total value of products in 1919, 37.4 per cent in 1914, and 38.4 per cent in 1909. The exceptionally large value shown for products other than electrical machinery, apparatus, and supplies, embraces such articles as cutlery, hardware, fancy articles, aluminum goods, and plated ware.

TABLE 26.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: 1919, 1914, AND 1909.

	1919	1914	1909
Products, total value.....	\$51,911,332	\$14,330,156	\$9,824,373
Insulated wire.....	9,586,239	5,360,402	3,772,881
Insulated cables.....	1,750,192		
Sockets, receptacles, bases, etc.	6,423,136	1,945,177	1,652,556
Industrial and household apparatus and devices.....	4,600,317	( <sup>2</sup> )	( <sup>2</sup> )
Wiring supplies.....	4,360,075	( <sup>2</sup> )	( <sup>2</sup> )
Fuses, cut-outs, and fuse plugs.....	1,489,183	298,949	330,276
Batteries.....	1,436,866	( <sup>2</sup> )	( <sup>2</sup> )
Switchboards, panel boards, and cut-out cabinets for light and power.....	356,104	224,481	151,385
All other electrical machinery, apparatus, and supplies.....	9,428,169	( <sup>2</sup> )	( <sup>2</sup> )
All other products.....	12,481,051	6,501,147	3,917,245

<sup>1</sup> In addition, electrical machinery, apparatus, and supplies to the value of \$1,461,913 in 1919, \$859,869 in 1914, and \$689,696 in 1909, were reported by establishments engaged primarily in other industries.

<sup>2</sup> Included in "All other products."

<sup>3</sup> Not reported separately.

Paper and wood pulp (Table 27).—This table shows the quantity and value of the principal products of the industry in the state for 1919, 1914, and 1909. The output of paper boards, which forms the chief products of the industry, increased 9,677 tons, or 9.5 per cent, in quantity between 1914 and 1919 and \$4,379,099, or 125.2 per cent, in value. "All other paper products" includes classes of products which can not be shown separately without the possibility of disclosing the operations of individual establishments, among which tissue paper, fine paper, and newspaper, in the order of their value, are the leading items.

The yearly capacity of the paper-making machinery of the state was 230,628 tons in 1919, 187,261 tons in 1914, and 127,025 tons in 1909.

TABLE 27.—PAPER AND WOOD PULP: 1919, 1914, AND 1909.

	1919	1914	1909
Products, total value.....	\$12,939,103	\$5,968,797	\$5,527,334
Wrapping paper:			
Tons.....	5,588	3,877	6,316
Value.....	\$646,642	\$204,367	\$538,830
Boards:			
Tons.....	111,056	101,379	65,567
Value.....	\$7,877,629	\$3,498,530	\$2,386,945
All other paper products:			
Tons.....	18,460	22,910	20,341
Value.....	\$4,151,460	\$2,133,714	\$2,148,590
All other products, value.....	\$263,372	\$132,186	\$152,969

Printing and publishing (Table 28).—This table shows the number of publications in the state and the aggregate circulation per issue for 1919, 1914, and 1909. Of the 36 daily newspapers reported, 28, with an average daily circulation of 256,797 copies, were published in the afternoon and 8, with an average daily circulation of 94,403, were published in the morning. The afternoon circulation increased 54,636, or 27 per cent, for the five-year period from 1914 to 1919, and the morning circulation increased 20,791, or 28.2 per cent.

Fifteen of the publications reported in 1919 were printed in foreign languages. Their average circulation per issue was 24,220 copies. Eight of these, all weeklies, were printed in Italian; 2 weeklies in Italian and English; 1 weekly in Hungarian, 1 in Polish, and 1 in Swedish; 1 semimonthly in German and 1 monthly in Russian.

Fourteen foreign-language publications were reported in 1914, but none was printed in Swedish or Russian. One Italian daily and a number of German weeklies were discontinued between the censuses.

TABLE 28.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.....	156	148	160	704,128	611,685	539,705
Daily.....	36	38	38	351,200	275,773	258,543
Sunday.....	8	8	10	119,765	100,581	86,261
Semi-weekly.....	4	8	9	5,214	16,213	23,612
Weekly.....	77	73	78	144,899	149,618	134,849
Monthly.....	28	20	19	66,000	35,200	29,300
Quarterly.....	3	3	6	16,450	31,300	7,200

<sup>1</sup> Includes 2 triweeklies in 1919.

<sup>2</sup> Includes 6 semimonthlies in 1919 and 1 semimonthly in 1914 and 1909.

<sup>3</sup> Includes 2 semiannual publications in 1914.

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 of Connecticut for 1919 and 1914.



TABLE 29.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, 1914-1919.
	1919	1914	
Number of establishments.....	128	127	0.8
Persons engaged.....	2,334	2,184	6.9
Proprietors and firm members.....	131	125	4.8
Salaried employees.....	179	140	22.6
Wage earners (average number).....	2,024	1,913	5.8
Primary horsepower.....	3,046	3,178	14.7
Capital.....	\$2,421,654	\$1,454,961	66.4
Salaries and wages.....	1,817,306	1,055,951	72.1
Salaries.....	285,874	161,060	76.8
Wages.....	1,531,432	894,291	71.2
Paid for contract work.....	13,265	1,684	687.7
Rent and taxes.....	81,823	59,721	37.0
Cost of materials.....	799,699	408,401	95.8
Amount received for work done.....	3,560,276	2,108,011	68.9

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 manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 30.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	24
Persons engaged.....	261
Proprietors and firm members.....	24
Salaried employees.....	52
Wage earners (average number).....	185
Primary horsepower.....	242
Capital.....	\$364,256
Salaries and wages.....	287,121
Salaries.....	76,165
Wages.....	210,956
Paid for contract work.....	1,762
Rent and taxes.....	25,282
Cost of materials.....	111,512
Amount received for work done.....	654,689

Custom sawmills and custom gristmills (Tables 31 and 32).—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 31 and 32, 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.

TABLE 31.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, 1909-1919.
	1919	1909	
Number of establishments.....	53	31	.....
Persons engaged.....	77	86	.....
Proprietors and firm members.....	61	36	.....
Wage earners (average number).....	16	50	.....
Primary horsepower.....	1,385	873	58.6
Capital.....	\$68,717	\$51,408	33.7
Salaries and wages.....	13,268	19,478	-31.9
Salaries.....	739	395	87.1
Wages.....	6,683	1,045	539.5
Cost of materials.....	53,971	46,481	16.1
Amount received for work done.....			

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

TABLE 32.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, 1909-1919.
	1919	1909	
Number of establishments.....	47	59	.....
Persons engaged.....	64	80	.....
Proprietors and firm members.....	49	61	.....
Salaried employees.....	1	.....	.....
Wage earners (average number).....	14	19	.....
Primary horsepower.....	1,410	1,982	-28.9
Capital.....	\$228,560	\$132,577	72.4
Salaries and wages.....	16,524	5,737	188.0
Salaries.....	1,760	.....	.....
Wages.....	14,774	5,737	157.5
Rent and taxes.....	3,372	993	250.2
Cost of materials.....	412,611	178,750	130.8
Value of products.....	498,748	220,775	125.0

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

<sup>2</sup> Includes estimate of all grain ground.

## GENERAL TABLES.

Table 33 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 all industries combined and for selected industries in the state, and in Bridgeport, Hartford, New Britain, New Haven, and Waterbury, and for the cities having from 10,000 to 50,000 inhabitants, for which comparable figures are available, similar data for all industries combined.

Table 34 presents, for 1919, in the state as a whole and in Bridgeport, Hartford, New Britain, New Haven, and Waterbury, 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 13 cities in the state having from 10,000 to 50,000 inhabitants.

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 horse-power.	Expressed in thousands of dollars.			INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horse-power.	Expressed in thousands of dollars.		
					Wages.	Cost of materials.	Value of products.						Wages.	Cost of materials.	Value of products.
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1919	4,872	292,672	664,691	324,682	685,937	1,392,432	Fertilizers.....	1919	6	188	753	204	2,556	3,599
	1914	4,104	228,264	453,812	125,220	288,511	545,472		1914	10	329	1,089	185	1,477	1,972
	1909	4,251	210,792	400,275	110,119	257,259	490,272		1909	12	295	1,273	137	1,091	1,573
Automobile bodies and parts.	1919	53	1,164	1,745	1,465	3,092	6,198	Firearms and ammunition.	1919	12	17,050	37,174	18,304	20,231	55,926
	1914	24	771	1,278	603	850	2,014		1914	13	10,863	11,080	7,117	11,697	25,658
	1909	20	912	840	655	1,090	2,504		1909	10	8,533	9,391	4,968	10,066	19,948
Boots and shoes, not including rubber boots and shoes.	1919	8	995	288	824	2,179	3,765	Flour-mill and gristmill products.	1919	64	80	2,351	85	2,083	2,507
	1914	9	567	227	252	1,338	1,958		1914	85	113	2,971	59	1,631	1,881
	1909	10	520	235	226	1,088	1,658		1909	98	145	3,616	72	1,731	2,024
Boxes, paper and other, not elsewhere specified.	1919	44	2,267	3,027	1,551	3,342	7,446	Food preparations, not elsewhere specified.	1919	45	180	570	172	1,087	1,725
	1914	42	2,196	1,665	1,076	1,819	3,742		1914	23	114	264	46	351	597
	1909	38	1,849	1,306	748	1,386	2,911		1909	13	60	264	27	143	275
Brass, bronze, and copper products.	1919	75	29,580	121,319	36,356	110,238	199,550	Foundry and machine-shop products. <sup>2</sup>	1919	752	54,971	96,856	67,646	68,194	203,626
	1914	67	16,781	57,033	9,846	53,886	69,353		1914	388	39,369	54,557	22,868	25,151	67,009
	1909	80	16,817	50,034	9,667	47,864	66,933		1909	403	37,736	49,167	21,332	24,820	65,535
Bread and other bakery products.	1919	494	2,020	2,196	2,651	10,938	17,112	Furniture.....	1919	33	570	1,015	645	1,018	2,504
	1914	467	2,014	1,316	1,403	4,661	8,005		1914	22	783	1,313	305	655	1,157
	1909	431	1,869	658	1,222	4,463	7,310		1909	25	298	803	179	368	788
Brushes.....	1919	13	180	157	180	775	1,779	Gas and electric fixtures and lamps.	1919	12	1,562	2,481	1,782	2,215	5,148
	1914	11	130	153	61	154	299		1914	16	2,391	2,214	1,232	1,673	4,076
	1909	12	129	138	54	109	210		1909	12	2,249	1,946	1,189	1,330	4,023
Butter and cheese.....	1919	22	44	408	43	730	901	Gas, illuminating and heating.	1919	22	1,270	3,071	1,687	3,190	8,347
	1914	24	63	197	43	527	624		1914	27	1,209	5,089	827	1,471	4,740
	1909	30	105	231	52	623	745		1909	28	926	4,100	557	1,005	3,448
Buttons.....	1919	16	768	1,154	654	664	1,956	Hat and cap materials.....	1919	15	682	1,789	611	3,057	4,931
	1914	18	1,063	882	492	613	1,498		1914	15	400	1,105	160	1,284	1,594
	1909	20	1,057	1,673	465	735	1,635		1909	14	478	1,024	183	702	1,508
Carriages and wagons and materials.	1919	56	168	483	182	325	677	Hats and caps, other than felt, straw, and wool.	1919	10	137	18	178	511	899
	1914	84	452	945	311	411	696		1914	9	94	28	56	121	288
	1909	92	578	957	372	383	1,077		1909	8	74	11	47	126	269
Cars and general shop construction and repairs by electric-railroad companies.	1919	22	454	1,321	522	502	1,063	Hats, fur-felt.....	1919	41	4,580	5,311	5,099	12,205	23,152
	1914	21	336	503	248	252	531		1914	58	5,461	6,029	3,057	4,633	9,476
	1909	15	524	388	368	603	995		1909	80	5,217	5,619	3,384	4,849	10,400
Clocks.....	1919	8	4,925	4,397	4,968	4,120	12,904	House-furnishing goods, not elsewhere specified.	1919	8	874	3,115	808	3,017	4,673
	1914	9	3,753	3,328	1,900	1,695	4,524		1914	5	1,233	2,521	573	2,443	3,819
	1909	9	5,359	3,942	2,762	1,982	6,810		1909	6	740	1,892	292	1,970	2,611
Clothing, men's, including shirts.	1919	79	1,193	534	1,067	3,584	6,002	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1919	15	760	2,635	754	1,096	2,995
	1914	28	1,305	494	548	1,320	2,628		1914	14	606	1,894	318	491	1,048
	1909	28	751	418	304	726	1,362		1909	13	676	1,712	327	542	1,180
Clothing, women's.....	1919	60	2,058	486	1,317	4,067	7,427	Iron and steel, forgings, not made in steel works or rolling mills.	1919	18	2,489	5,953	3,110	5,229	13,683
	1914	19	1,337	383	465	700	1,597		1914	17	1,573	4,226	1,090	1,883	4,560
	1909	17	1,382	461	415	798	1,716		1909	13	354	1,022	204	315	704
Coffee, roasting and grinding.	1919	13	28	87	19	651	733	Jewelry.....	1919	20	149	151	154	293	715
	1914	7	26	127	17	354	435		1914	19	188	115	105	94	330
	1909	9	85	150	19	338	485		1909	15	264	83	143	108	457
Confectionery and ice cream.	1919	121	849	2,376	641	3,057	5,260	Knit goods.....	1919	21	2,649	4,594	2,227	5,349	9,333
	1914	73	421	845	246	913	1,709		1914	25	2,904	3,365	1,296	2,727	5,222
	1909	73	421	845	246	913	1,709		1909	21	3,340	3,540	1,363	3,049	5,801
Copper, tin, and sheet-iron work.	1919	81	292	187	359	672	1,427	Leather goods. <sup>3</sup>	1919	11	307	316	265	636	1,243
	1914	43	301	256	211	350	778		1914	15	216	105	136	396	673
	1909	30	213	236	134	333	656		1909	18	272	277	143	330	583
Cordage and twine.....	1919	9	348	1,160	226	1,438	1,933	Leather, tanned, curried, and finished.	1919	7	168	510	189	1,060	1,569
	1914	10	316	1,255	103	506	666		1914	7	185	340	100	636	908
	1909	8	286	1,134	85	431	561		1909	8	150	356	95	805	1,047
Corsets.....	1919	19	5,616	3,310	4,156	12,297	20,675	Lime.....	1919	5	191	85	196	419	770
	1914	21	7,298	2,970	2,797	7,576	12,936		1914	10	284	476	158	265	489
	1909	17	6,643	1,566	2,520	6,076	12,916		1909	10	325	170	160	275	553
Cotton goods, including cotton small wares. <sup>1</sup>	1919	57	16,483	72,608	15,648	65,802	105,054	Liquors, malt.....	1919	15	405	4,747	551	1,391	5,337
	1914	50	15,468	65,629	6,982	17,335	30,809		1914	18	539	3,510	546	1,692	5,030
	1909	52	14,300	58,137	5,666	11,960	24,232		1909	19	475	2,530	426	1,375	4,426
Cutlery and tools, not elsewhere specified.	1919	107	6,797	13,752	7,437	6,768	21,728	Lumber and timber products. <sup>4</sup>	1919	298	1,802	12,269	2,001	5,497	10,270
	1914	76	7,568	14,316	4,400	3,968	11,541		1914	295	2,356	12,487	1,462	3,765	6,968
	1909	82	7,647	14,135	3,980	3,310	10,717		1909	393	3,495	15,153	1,907	3,918	7,846
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	16	1,918	9,427	2,234	3,450	8,350	Marble and stone work....	1919	70	244	1,631	328	426	1,122
	1914	12	1,764	7,738	923	1,455	3,503		1914	80	538	2,687	387	353	1,057
	1909	10	1,719	5,851	872	1,480	3,562		1909	86	782	2,317	514	370	1,237
Electrical machinery, apparatus, and supplies.	1919	54	11,403	15,368	12,454	23,442	51,911	Mattresses and spring beds, not elsewhere specified.	1919	23	114	204	141	506	930
	1914	43	5,059	6,459	2,630	7,436	14,330		1914	18	154	160	87	235	489
	1909	41	3,505	4,457	1,603	5,211	9,824		1909	16	152	116	68	274	423
Fancy articles, not elsewhere specified.	1919	10	504	631	427	1,846	3,521	Millinery and lace goods, not elsewhere specified.	1919	10	139	61	74	534	852
	1914	9	357	379	196	644	1,186		1914	7	117	68	43	168	285
	1909	4	132	192	59	89	200		1909	7	124	59	49	186	293

<sup>1</sup> Includes "cotton lace."<sup>2</sup> Includes "automobile repairing"; "bells"; "engines, steam, gas, and water"; "gas and water meters"; "hardware"; "hardware, saddlery"; "iron and steel, tempering and welding"; "machine tools"; "plumbers' supplies, not elsewhere specified"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts."<sup>3</sup> Includes "saddlery and harness" and "trunks and valises."<sup>4</sup> Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "window and door screens."

## MANUFACTURES—CONNECTICUT.

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

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of materi- als.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of materi- als.	Value of prod- ucts.															
Expressed in thousands of dollars.																														
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.																														
Mineral and soda waters...	1919	111	224	429	229	675	1,416	Silk goods.....	1919	41	11,254	18,357	11,523	37,525	68,053															
	1914	102	210	333	122	234	567		1914	44	10,688	11,160	5,606	18,406	30,592															
	1909	96	220	324	124	192	535		1909	47	8,702	8,564	3,749	11,824	21,063															
Musical instruments, pianos and organs and materials.	1919	11	1,899	2,485	1,742	3,440	6,773	Silversmithing and plated ware.	1919	32	5,687	8,162	5,934	11,349	25,723															
	1914	19	2,267	2,606	1,277	2,570	5,230		1914	33	6,465	7,265	3,632	7,382	15,239															
	1909	17	2,304	2,559	1,251	3,022	5,538		1909	31	6,223	5,751	3,446	7,232	15,837															
Needles, pins, and hooks and eyes.	1919	23	4,037	4,355	4,209	5,617	13,904	Soap.....	1919	6	445	1,054	423	2,178	5,145															
	1914	12	3,068	3,235	1,543	2,339	5,109		1914	7	258	636	131	771	1,672															
	1909	8	2,648	3,190	1,311	1,697	4,236		1909	9	280	540	131	732	1,523															
Paper and wood pulp.....	1919	44	1,999	26,742	2,104	8,217	12,939	Stamped and enameled ware, not elsewhere specified.	1919	26	2,288	2,565	2,145	2,993	7,423															
	1914	44	1,898	21,111	1,141	4,007	5,969		1914	18	2,084	2,362	899	1,277	2,902															
	1909	51	1,720	19,509	924	3,303	5,527		1909	13	2,126	1,229	850	1,121	2,727															
Paper goods, not elsewhere specified.	1919	8	400	415	372	1,152	2,365	Suspenders, garters, and elastic woven goods.	1919	15	3,426	4,197	3,332	10,262	16,966															
	1914	6	48	147	24	91	164		1914	13	2,974	3,476	1,324	3,898	6,064															
	1909	6	259	296	116	27	520		1909	13	2,197	1,645	884	2,090	3,741															
Patent medicines and compounds and druggists' preparations. <sup>1</sup>	1919	38	431	485	295	1,566	4,775	Tobacco manufactures.....	1919	198	1,279	223	1,357	1,707	4,379															
	1914	43	327	206	125	764	2,083		1914	256	1,570	203	1,068	1,215	3,149															
	1909	64	237	381	88	488	1,342		1909	265	1,513	48	908	1,064	2,738															
Paving materials.....	1919	20	368	6,399	459	321	1,311	Toys and games.....	1919	21	971	681	794	1,330	3,081															
	1914	11	214	1,890	114	73	281		1914	14	527	276	229	350	1,040															
									1909	13	342	241	148	200	540															
Printing and publishing <sup>2</sup> ..	1919	412	3,021	4,150	3,244	4,540	14,035	Typewriters and supplies..	1919	5	6,539	4,777	7,512	4,793	16,961															
	1914	364	2,838	3,618	1,932	2,195	7,713		1914	7	4,662	3,676	2,802	1,461	7,178															
	1909	363	2,878	3,425	1,736	1,769	6,370		1909	8	2,934	2,034	1,898	1,041	4,016															
Rubber tires, tubes, and rubber goods, not elsewhere specified.	1919	21	5,060	11,474	5,405	18,233	33,928	Wirework, not elsewhere specified.	1919	20	537	608	462	966	2,295															
	1914	18	2,485	9,598	1,413	5,645	10,188		1914	20	646	644	350	663	1,330															
	1909	13	2,115	6,138	1,116	7,126	11,005		1909	28	1,420	1,617	684	1,648	3,345															
Sausage, not made in slaughtering and meat-packing establishments.	1919	20	79	410	88	1,068	1,370	Wood, turned and carved..	1919	28	230	928	199	312	622															
	1914	21	79	283	55	633	765		1914	27	151	980	76	113	246															
	1909	22	83	335	54	545	725		1909	43	379	1,950	178	221	554															
Screws, machine.....	1919	12	1,050	2,154	1,104	966	3,272	Wool shoddy.....	1919	9	303	2,593	287	3,111	3,762															
	1914	8	571	1,832	334	356	906		1914	6	135	1,491	66	223	341															
	1909	7	621	1,241	371	392	1,078		1909	6	98	1,170	45	197	324															
Screws, wood.....	1919	5	2,245	2,160	2,105	2,503	6,390	Woolen and worsted and felt goods.	1919	47	8,132	22,570	8,872	33,208	53,814															
	1914	4	2,266	2,853	849	1,001	2,843		1914	53	7,350	18,194	3,731	10,764	17,129															
	1909	3	1,498	1,633	589	891	2,206		1909	56	7,789	17,618	3,485	12,838	19,363															
Shipbuilding, wooden, including boat building.	1919	36	1,112	2,624	1,254	987	2,924	All other industries.....	1919	696	48,041	89,615	56,517	121,138	255,517															
	1914	34	288	941	222	211	558		1914	557	30,852	68,055	18,044	47,730	91,244															
	1909	41	292	964	179	269	564		1909	645	28,481	64,493	15,840	45,644	78,980															
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.																														
<b>BRIDGEPORT.....</b>	1919	443	42,862	86,349	51,812	82,313	208,090	<b>BRIDGEPORT—</b>																						
All industries.	1914	405	30,042	61,656	16,929	44,732	85,126	Continued.																						
	1909	367	25,775	48,387	13,349	37,947	65,609	Marble and stone work....	1919	3	27	164	39	51	150															
Bread and other bakery products.	1919	56	410	391	500	1,944	3,049		1914	4	28	159	27	36	89															
	1914	54	289	166	227	662	1,149		1909	7	43	148	32	43	102															
	1909	49	262	117	186	591	904	Mineral and carbonated waters.	1919	14	32	36	36	85	183															
Confectionery and ice cream	1919	14	148	413	145	522	906		1914	10	12	39	8	19	49															
	1914	8	44	180	35	128	220		1909	10	22	41	16	16	52															
Copper, tin, and sheet-iron products. <sup>4</sup>	1919	21	265	261	230	397	978	Models and patterns, not including paper patterns.	1919	6	28	62	39	18	88															
	1914	13	387	600	207	354	763		1914	6	34	32	23	13	81															
	1909	9	287	253	124	263	492		1909	7	38	27	33	10	56															
Corsets.....	1919	6	3,252	2,343	2,346	7,057	11,565	Printing and publishing <sup>7</sup> .	1919	41	266	340	315	536	1,567															
	1914	8	4,435	2,156	1,639	4,616	7,640		1914	41	215	310	174	183	739															
	1909	5	3,659	984	1,349	3,892	6,899		1909	35	172	303	120	127	512															
Electrical machinery, apparatus, and supplies.	1919	8	2,582	2,440	2,397	4,652	9,897	Rubber tires, tubes, and rubber goods, not elsewhere specified.	1919	4	526	1,061	499	1,011	1,984															
	1914	7	1,681	1,782	808	2,216	4,284		1914	5	565	911	285	767	1,641															
	1909	5	1,400	1,440	575	1,842	3,321	Suspenders, garters, and elastic woven goods.	1919	4	174	162	166	789	1,390															
Food preparations, not elsewhere specified.	1919	5	19	57	21	95	151		1914	4	212	93	100	319	427															
	1914	5	6	25	2	18	29	Tobacco, cigars.....	1919	16	50	1	61	99	230															
Foundry and machine-shop products. <sup>5</sup>	1919	77	8,088	13,171	11,499	10,904	30,955		1914	19	43	.....	27	30	87															
	1914	57	5,351	8,464	3,098	4,249	10,288		1909	16	35	.....	20	21	69															
	1909	48	4,904	10,555	2,716	4,336	9,752	All other industries.....	1919	160	26,843	64,398	33,336	53,501	143,876															
Lumber and timber products. <sup>6</sup>	1919	8	152	1,049	183	652	1,121		1914	156	16,494	35,559	10,075	30,693	56,858															
	1914	8	246	1,080	184	424	782		1909	170	14,731	28,513	8,030	26,426	42,658															
	1909	6	222	1,006	148	470	732																							

<sup>1</sup> Excludes statistics for 2 establishments, to avoid disclosure of individual operations.<sup>2</sup> Includes "perfumery and cosmetics."<sup>3</sup> Includes "bookbinding and blank-book making" and "engraving, steel and copper plate, including plate printing," in all years; and "lithography" in 1914 and 1909.<sup>4</sup> Includes "stamped and enameled ware, not elsewhere specified."<sup>5</sup> Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware"; "iron and steel, tempering and welding"; "machine tools"; "steam fittings and steam and hot-water heating apparatus"; and "textile machinery and parts" in all years; and "structural ironwork, not made in steel works or rolling mills" in 1919 and 1914.<sup>6</sup> Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."<sup>7</sup> Includes "engraving, steel and copper plate, including plate printing" in all years, and "bookbinding and blank-book making" in 1919 and 1914.

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

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.			INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.			Cost of ma- terials.	Value of prod- ucts.
					Expressed in thousands of dollars.								Expressed in thousands of dollars.				
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.																	
HARTFORD..... All industries.	1919	504	26,264	35,100	31,441	48,319	118,003	NEW BRITAIN— Continued.									
	1914	380	17,137	22,390	11,312	17,644	42,831	Tobacco, cigars.....	1919	8	21	.....	22	42	80		
	1909	396	14,627	19,410	9,374	17,863	40,680		1914	10	65	1	38	46	107		
Brass and bronze products	1919	4	101	105	124	266	497		1909	10	60	1	34	44	102		
	1914	6	88	113	59	108	238	All other industries.....	1919	58	7,786	9,307	8,614	9,994	27,553		
	1909	6	51	43	39	104	183		1914	55	6,349	7,953	3,063	3,934	10,255		
Bread and other bakery products.	1919	50	299	348	416	1,807	2,727		1909	51	5,763	5,977	2,776	3,623	9,850		
	1914	42	300	204	218	726	1,178	NEW HAVEN.....	1919	769	30,874	48,473	31,435	55,297	125,456		
	1909	37	241	89	172	668	1,105	All industries.	1914	538	24,993	38,180	14,462	27,317	57,752		
Clothing, women's.....	1919	11	295	48	213	1,095	1,659		1909	588	23,497	31,257	12,752	24,152	50,870		
	1914	5	353	53	142	218	477	Automobile bodies and parts.	1919	18	531	681	687	1,664	3,100		
	1909	6	361	32	103	99	269		1914	12	492	935	377	609	1,373		
Copper, tin, and sheet-iron work.	1919	20	99	52	126	204	441		1909	9	511	351	400	762	1,608		
	1914	12	70	20	53	80	168	Bread and other bakery products.	1919	86	361	513	493	2,161	3,368		
	1909	6	43	89	29	36	95		1914	67	374	317	233	866	1,526		
Electrical machinery, apparatus, and supplies.	1919	10	1,390	1,178	1,427	2,547	6,104		1909	65	370	163	230	876	1,473		
	1914	9	1,310	914	717	989	2,752	Clothing, men's, including shirts.	1919	52	169	62	138	297	612		
	1909	10	780	599	382	622	1,704		1914	8	63	19	28	63	110		
Foundry and machine-shop products. <sup>1</sup>	1919	92	5,013	8,622	6,605	6,522	20,541		1909	10	42	6	19	67	111		
	1914	45	2,506	3,526	1,871	1,779	5,180	Confectionery and ice cream.	1919	20	408	799	212	1,142	1,998		
	1909	52	2,768	4,128	2,014	2,142	6,549		1914	13	241	406	134	498	913		
Liquors, malt.....	1919	4	135	1,194	172	504	1,790	Copper, tin, and sheet-iron work.	1919	24	54	17	67	112	254		
	1914	4	182	963	191	614	1,459		1914	8	77	22	39	67	142		
	1909	4	138	483	125	444	1,256		1909	10	57	30	31	62	155		
Lumber and timber products. <sup>2</sup>	1919	15	181	1,145	215	1,069	1,658	Food preparations, notelse- where specified.	1919	9	89	206	69	307	615		
	1914	16	223	915	166	331	647		1914	6	82	112	28	161	320		
	1909	15	195	929	141	224	473		1909	3	32	.....	14	35	114		
Marble and stone work....	1919	5	27	204	40	38	116	Foundry and machine-shop products. <sup>3</sup>	1919	95	4,896	6,617	5,299	5,394	16,459		
	1914	7	39	165	29	49	112		1914	51	4,171	4,276	2,265	2,707	7,027		
	1909	7	43	154	38	84	175		1909	65	5,190	4,393	2,885	3,005	7,806		
Mineral and carbonated waters.	1919	6	29	39	30	76	179	Furniture.....	1919	12	179	244	205	315	823		
	1914	9	26	28	17	34	89		1914	8	192	333	35	93	209		
	1909	9	27	243	15	17	56		1909	10	101	254	57	133	252		
Models and patterns, not including paper patterns.	1919	5	71	54	112	34	200	Jewelry.....	1919	8	11	14	16	29	67		
	1914	5	50	51	47	12	85		1914	6	7	7	6	12	31		
	1909	6	56	63	47	12	90		1909	7	15	5	7	27	55		
Printing and publishing <sup>4</sup> ..	1919	76	976	1,151	1,268	1,757	4,673	Liquors, malt.....	1919	3	93	895	138	298	1,621		
	1914	64	904	1,028	593	789	2,464		1914	4	123	640	122	342	1,303		
	1909	68	866	1,111	541	620	2,008		1909	4	114	607	100	326	1,290		
Tobacco, cigars.....	1919	26	216	3	273	383	849	Lumber and timber prod- ucts. <sup>5</sup>	1919	24	182	982	203	504	970		
	1914	27	280	6	208	286	661		1914	16	187	853	128	403	635		
	1909	28	272	2	184	213	517		1909	19	229	948	142	366	609		
Tools, not elsewhere spec- ified.	1919	6	209	293	253	282	1,132	Marble and stone work....	1919	11	31	109	44	61	153		
	1914	4	4	6	3	4	19		1914	10	25	79	24	20	68		
All other industries.....	1919	174	17,223	20,604	20,167	31,735	75,437	Mattresses and spring beds, notelsewherespecified.	1919	8	37	63	53	159	266		
	1914	125	10,802	14,398	6,998	11,625	27,302		1914	4	25	37	16	66	105		
	1909	142	8,786	11,445	5,544	12,578	26,200		1909	5	33	.....	14	62	98		
NEW BRITAIN..... All industries.	1919	116	17,212	25,424	19,631	22,166	63,622	Mineral and soda waters...	1919	18	30	88	36	136	280		
	1914	120	14,320	17,137	7,355	8,385	23,227		1914	12	31	28	19	36	73		
	1909	111	13,513	14,363	6,741	8,328	22,021		1909	13	37	.....	23	34	87		
Bread and other bakery products.	1919	13	92	96	122	474	749	Printing and publishing <sup>4</sup> ..	1919	87	624	857	566	1,087	3,357		
	1914	18	114	73	78	217	367		1914	74	515	615	360	442	1,720		
	1909	16	88	23	50	144	246		1909	71	512	505	332	334	1,323		
Foundry and machine-shop products. <sup>4</sup>	1919	21	9,167	15,874	10,748	11,560	34,824	Tobacco, cigars.....	1919	34	700	46	727	785	2,271		
	1914	20	7,653	9,013	4,096	4,102	12,265		1914	44	747	25	524	568	1,432		
	1909	20	7,493	8,293	3,835	4,460	11,648		1909	60	623	40	378	447	1,110		
Mineral and carbonated waters.	1919	5	5	8	6	17	31	Tools, not elsewhere spec- ified.	1919	8	300	362	330	253	1,065		
	1914	5	4	10	3	5	13		1914	6	364	497	241	140	549		
	1909	4	3	2	1	4	12		1909	6	232	191	133	87	400		
Printing and publishing <sup>5</sup> ..	1919	11	141	139	119	79	385	All other industries.....	1919	252	22,179	35,918	22,152	40,393	88,177		
	1914	12	135	87	77	81	220		1914	189	17,277	28,979	9,883	20,224	40,216		
	1909	10	106	67	45	53	163		1909	231	15,352	23,696	7,947	17,504	34,393		

<sup>1</sup> Includes "engines, steam, gas, and water"; "hardware"; "iron and steel, welding"; "machine tools"; "plumbers' supplies, not elsewhere specified"; "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; "pumps, steam and other power" in 1914 and 1909; and "automobile repairing" in 1919.

<sup>2</sup> Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "window and door screens."

<sup>3</sup> Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."

<sup>4</sup> Includes "hardware," and "hardware, saddlery" in all years; "steam fittings and steam and hot-water heating apparatus" in 1919 and 1914; "plumbers' supplies, not elsewhere specified" in 1914 and 1909; and "automobile repairing" and "structural ironwork, not made in steel works or rolling mills" in 1919.

<sup>5</sup> Includes "bookbinding and blank-book making" in 1914 and 1909.

<sup>6</sup> Includes "automobile repairing"; "hardware"; "hardware, saddlery"; "iron and steel, welding"; "machine tools"; "plumbers' supplies, not elsewhere specified"; "steam fittings and steam and hot-water heating apparatus"; and "structural ironwork, not made in steel works or rolling mills" in all years; and "engines, steam, gas, and water" in 1919.

<sup>7</sup> Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills" in all years; and "window and door screens" in 1919.

<sup>8</sup> Includes "bookbinding and blank-book making" and "engraving, steel and copper plate, including plate printing" in all years; and "lithographing" in 1914 and 1909.

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

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
					Expressed in thousands of dollars.								Expressed in thousands of dollars.		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
<b>WATERBURY</b> .....	1919	253	30,322	62,550	35,886	67,312	130,193	<b>WATERBURY—Con.</b>							
All industries.	1914	190	20,189	46,714	11,503	31,618	50,659	Printing and publishing <sup>2</sup> ..	1919	21	114	230	150	176	722
	1909	169	20,170	37,518	11,244	28,726	50,350		1914	17	173	233	148	115	426
Brass, bronze, and copper products.	1919	21	18,008	46,054	21,931	50,020	86,484		1909	15	181	186	129	97	399
	1914	16	10,010	33,637	5,818	24,238	32,624	Stamped ware, not else-where specified.	1919	5	661	585	715	715	1,981
	1909	15	9,603	26,530	5,451	21,599	31,462		1914	4	783	840	331	425	1,067
Bread and other bakery products.	1919	31	154	202	194	850	1,317		1909	3	816	381	339	373	931
	1914	27	121	74	92	325	559	Tobacco, cigars.....	1919	11	30	1	35	39	104
	1909	20	133	40	90	325	505		1914	15	43	.....	28	31	84
Confectionery and ice cream.	1919	8	36	197	39	191	302		1909	18	67	1	36	41	115
	1914	8	17	34	10	50	104	All other industries.....	1919	90	8,318	10,506	8,824	11,673	27,590
Foundry and machine-shop products. <sup>1</sup>	1919	56	2,975	4,746	3,976	3,557	11,222		1914	73	7,160	7,584	3,904	5,056	12,331
	1914	23	1,857	4,265	1,161	1,337	3,582		1909	69	7,346	8,006	3,909	4,970	13,331
	1909	23	2,007	2,359	1,282	1,306	3,558								
Mineral and carbonated waters.	1919	10	26	29	22	91	171								
	1914	7	25	37	11	41	82								
	1909	6	17	15	8	15	49								
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.															
<b>ANSONIA</b> .....	1919	50	6,102	19,849	7,809	33,482	47,736	<b>NEW LONDON</b> .....	1919	91	2,241	6,329	2,372	5,337	10,274
	1914	42	4,312	14,494	2,412	17,212	21,499		1914	80	2,154	3,799	1,085	2,831	4,940
	1909	53	4,127	13,209	2,384	14,611	20,088		1909	70	2,225	2,912	926	2,531	4,483
<b>BRISTOL</b> .....	1919	68	7,592	18,013	9,049	12,988	30,690	<b>NORWALK</b> .....	1919	132	5,633	6,360	5,446	12,973	25,519
	1914	90	4,180	7,131	2,375	3,906	7,898		1914	107	4,963	4,705	2,459	4,319	9,009
<b>DANBURY</b> .....	1919	108	5,033	7,069	5,049	14,206	25,745	<b>NORWICH</b> .....	1919	121	5,018	17,092	5,243	15,167	28,626
	1914	126	5,304	6,802	2,967	5,814	10,602		1914	105	4,074	13,537	2,154	4,505	8,471
	1909	131	4,810	5,600	2,858	4,879	10,318		1909	89	4,101	11,462	1,996	4,277	8,379
<b>MERIDEN</b> .....	1919	162	8,794	11,362	9,115	15,651	34,261	<b>STAMFORD</b> .....	1919	116	7,939	18,544	9,417	20,106	39,121
	1914	127	8,166	8,045	4,696	7,035	16,746		1914	83	5,723	7,677	3,202	6,374	12,964
	1909	120	7,845	6,615	4,235	6,943	16,317		1909	86	3,984	6,554	2,350	3,704	8,740
<b>MIDDLETOWN</b> .....	1919	88	3,985	6,953	3,928	10,807	18,150	<b>TORRINGTON</b> .....	1919	63	6,608	17,920	7,175	16,267	29,241
	1914	72	2,389	4,569	1,222	3,258	5,643		1914	54	4,974	8,445	2,649	9,165	14,315
	1909	58	2,434	3,333	1,003	2,943	4,955		1909	54	4,488	7,165	2,384	7,463	12,550
<b>NAUGATUCK</b> .....	1919	27	5,030	11,562	5,172	9,308	19,993	<b>WILLIMANTIC</b> .....	1919	43	3,625	11,495	3,486	11,819	22,987
	1914	28	3,539	7,510	2,017	4,951	9,575		1914	51	3,507	9,946	1,538	4,585	9,564
	1909	24	3,464	5,967	1,967	7,329	11,033		1909	47	3,020	10,566	1,235	3,194	6,733

<sup>1</sup> Includes "hardware" and "iron and steel, welding," in all years; "plumbers' supplies, not elsewhere specified," and "structural ironwork, not made in steel works or rolling mills," in 1919 and 1914; and "automobile repairing" in 1919.

<sup>2</sup> Includes "bookbinding and blank-book making" in 1914 and 1909.





## COMBINED AND SPECIFIED INDUSTRIES: 1918.

[illegible]

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

[illegible]

\* Same number reported for one or more other months.  
 † Same number reported throughout the year.

## MANUFACTURES—CONNECTICUT.

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.			16 and over. Under 16.								
						Male.	Female.	Average number.	Number, 15th day of—		Total.	Male.	Female.	Male.	Female.				
									Maximum month.	Minimum month.									
1	Electroplating.....	14	66	17	3				46	De	50	Jy	41	51	50	1			Dollars.
2	Emery and other abrasive wheels.....	5	146	1	13	3	9		120	No	137	Ap	163	136	37	88	11	73,381	
3	Engines, steam, gas, and water.....	16	2,090	6	115	124	81		1,764	Ja	2,136	Oc	1,547	1,575	1,524	48	3	374,430	
4	Engraving and diesinking.....	15	36	16					20	Au	22	Mh	18	27	26		1	8,990,784	
5	Engraving, steel and copper plate, including plate printing.....	7	44	6	3	4	5		26	De	35	Mh	10	34	23	8	3	55,698	
6	Engraving, wood.....	4	15	6					9	Je	11	Mh	5	9	9			34,626	
7	Fancy articles, not elsewhere specified.....	10	591	9	15	24	39		504	Ap	537	Ja	472	560	260	249	28	9,327	
8	Felt goods.....	3	378		11	18	15		334	De	374	Ja	393	374	315	43	7	2,369,363	
9	Fertilizers.....	6	266	4	25	39	10		188	Ap	308	Oc	132	172	172			1,787,729	
10	Files.....	3	21	1	1	1			18	Ja	21	De	14	14	14			3,804,994	
11	Firearms.....	9	4,952	3	74	176	138		4,561	Ja	8,075	Au	3,615	4,212	3,834	377	1	27,184	
12	Flour-mill and gristmill products.....	64	170	66	14	6	4		80	De	90	Mh	73	93	93			30,174,424	
13	Food preparations, not elsewhere specified.....	45	284	53	20	14	17		180					197	134	63		1,932,131	
14	Breadstuffs, macaroni, vermicelli, and noodles.....	28	198	29	16	5	12		136	De	152	Fe	119	152	102	50		818,712	
15	Peanut butter and sweetening sirups, other than cane.....	3	9	1	1		2		5	Ap	8	Fe	2	9	5	4		609,875	
16	All other.....	14	77	23	9	3	39		39	Je	55	No	25	36	27	9		46,367	
17	Foundry and machine-shop products.....	250	23,342	129	1,027	1,196	842		20,148	De	421	Jy	338	22,427	21,151	1,183	77	162,470	
18	Boiler shops.....	8	450	2	17	32	22		377	De	421	Jy	338	422	418	1	3	88,508,026	
19	Foundries.....	35	3,913	8	235	145	90		3,435	De	3,950	My	3,039	3,952	3,787	151	9	1,699,532	
20	Machine shops.....	190	14,365	114	613	802	623		12,213	De	13,554	Ja	10,749	13,568	12,583	916	58	12,981,617	
21	Machine shop and foundry combined.....	17	4,614	5	162	217	107		4,123	De	4,455	My	3,929	4,455	4,363	115	7	57,189,563	
22	Fur goods.....	11	60	12		2	2		44	De	65	Jy	24	58	23	34	1	10,744,814	
23	Furniture.....	33	758	27	91	35	34		570					637	585	41	8	142,700	
24	Wood, including rattan and willow.....	19	437	16	40	18	15		348	De	385	Ja	394	389	249	36	4	2,245,500	
25	Metal furniture and store and office fixtures.....	14	321	11	51	18	19		222	No	252	Mh	206	248	239	5	4	1,046,632	
26	Gas and electric fixtures.....	7	790	4	12	49	20		705	Au	793	Ja	565	754	649	89	13	1,198,868	
27	Gas, illuminating and heating.....	22	1,785	109	224	182	120		1,270	Au	1,331	No	1,229	1,240	1,225	16	8	1,775,713	
28	Glass, cutting, staining, and ornamenting.....	15	162	14	7	9	16		122	De	166	Fe	87	169	152	17		27,214,357	
29	Hand stamps.....	5	41	4	6	1	4		26	Ja	29	Oc	24	25	23	2		81,162	
30	Hardware.....	64	21,375	19	514	560	1,368		18,611	De	11,292	Ap	8,985	20,720	16,195	4,056	293	59,810,318	
31	Builders'.....	11	11,229	1	61	530	661		9,573	De	11,292	Ap	8,985	11,302	9,211	1,938	108	31,084,585	
32	Piano and organ.....	3	453	3	42	10	14		357	De	420	Fe	335	434	323	63	38	1,619,411	
33	Vehicle.....	9	1,357	3	45	65	43		1,201	De	1,338	Ja	990	1,338	1,125	211	2	3,502,454	
34	All other.....	38	8,333	12	266	255	647		7,153	De	7,527	Ja	6,883	7,646	5,536	1,844	145	23,603,868	
35	Hardware, saddlery.....	4	1,555	11	51	48	57		1,399	Au	1,477	Ap	1,232	1,454	1,105	330	11	4,628,201	
36	Hat and cap materials.....	15	746	11	25	22	6		682	De	848	Ap	536	855	545	293	3	3,407,973	
37	Hats and caps, other than felt, straw, and wool.....	10	173	12	6	10	8		137	Oc	154	Ap	120	154	95	58	1	388,118	
38	Hats, fur-felt.....	41	5,012	29	168	126	112		4,580	De	5,392	Ja	3,787	5,531	4,179	1,222	84	11,996,703	
39	House-furnishing goods, not elsewhere specified.....	8	1,018	3	63	45	33		874	De	1,098	Ja	637	1,098	793	292	6	4,144,186	
40	Ice, manufactured.....	9	103	8	16	7	5		67	Au	95	Fe	38	61	58	3		837,786	
41	Iron and steel, steel works and rolling mills.....	7	2,718		66	192	82		2,468	Ja	2,824	Au	2,182	2,713	2,621	72	10	9,532,207	
42	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.....	15	846	6	40	17	23		760	De	832	Je	700	833	701	106	12	2,644,598	
43	Iron and steel, forgings, not made in steel works or rolling mills.....	18	2,955	8	127	184	117		2,489	De	2,965	Ap	2,302	2,968	2,626	309	28	13,132,461	
44	Iron and steel, cut nails and spikes, not made in steel works or rolling mills.....	3	668		20	117	31		560	Ja	571	No	457	475	271	175	10	2,027,803	
45	Iron and steel, tempering and welding.....	18	62	11	9	4	5		33					37	37			77,727	
46	Treated iron and steel.....	3	20	1	4	3			12	Mh	15	Jy	11	11	11			42,919	
47	Welding.....	15	42	10	5	1	5		21	Oc	25	Je	18	26	26			34,808	
48	Jewelry.....	20	196	13	12	13	10		149	Oc	170	Mh	136	164	94	63	1	335,397	
49	Knit goods.....	21	2,548	5	75	47	72		2,649	Jy	2,738	Ja	2,600	2,718	912	1,624	53	10,621,377	
50	Lamps.....	5	938	3	29	21	28		857	De	925	Mh	790	924	679	239	8	2,707,792	
51	Leather goods, not elsewhere specified.....	4	37	5	1				31	De	39	Mh	25	39	17	20	1	25,396	
52	Leather, tanned, curried, and finished.....	7	195	1	13	6	1		168	De	229	Fe	114	224	207	13	4	1,106,864	
53	Lime.....	5	205		9	4	1		191	Jy	199	Mh	178	199	199			946,037	
54	Liquors, malt.....	15	503	3	56	31	5		405	Je	468	De	325	325	325			5,898,176	
55	Liquors, vinous.....	3	4						(*)	(*)	(*)	(*)	1	1	1			13,800	
56	Looking-glass and picture frames.....	8	35	13		3	4		15	Ja	16	Mh	11	15	15			65,902	
57	Lumber and timber products.....	189	948	211	22	9	9		694	De	858	Jy	495	1,158	1,152	4	2	1,199,802	
58	Lumber, planing-mill products, not including planing mills connected with sawmills.....	91	1,342	79	96	72	53		1,037	De	1,161	Fe	889	1,164	1,158	5	1	5,585,791	
59	Machine tools.....	33	6,311	2	208	363	203		5,472	Ja	5,926	Ap	5,087	5,943	5,702	181	59	20,380,567	
60	Marble and stone work.....	70	365	84	24	8	6		214					270	270			898,415	
61	Monuments and tombstones.....	58	208	72	12	2	1		118	Se	138	Ja	89	131	131			437,104	
62	Other marble and stone work except slate.....	12	158	12	12	6	2		126	Jy	166	Mh	61	139	139			461,811	
63	Mattresses and spring beds, not elsewhere specified.....	23	153	24	7	2	6		114	De	123	Fe	106	128	108	20		615,121	
64	Millinery and lace goods, not elsewhere specified.....	10	197	9	12	3	34		132					149	20	109	3	403,265	
65	Trimmed hats and hat frames.....	3	60	2	3	1	24		30	Se	41	Ja	20	25	2	19	1	29,955	
66	All other.....	7	137	7	9	2	10		109	Au	133	Ja	81	124	18	90	2	373,310	

\* Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

\* Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

# MANUFACTURES—CONNECTICUT.

197

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

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

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
5,720	17,686	55,649	4,610	491	25,372	7,795	144,146	110,979	149	58	50	400	1,670	2,762	5,967	1	2	
29,156	265,015	98,902	13,117	3,050	703,872	2,574	190,872	957,318	58	37	37	37	37	37	37	37	37	
412,493	2,024	2,104,281	15,115	193,785	3,194,692	99,203	7,309,474	4,015,579	4,882	14	14	14	14	14	14	14	14	
8,200	2,024	21,775	250	4,060	676	23,440	81,088	57,262	14	14	14	14	14	14	14	14	14	
174,686	66,231	18,028	1,092	1,250	6,654	213	43,970	37,073	9	9	9	9	9	9	9	9	9	
76,069	64,672	426,548	6,889	2,200	1,815,013	30,455	3,520,591	1,874,591	631	631	631	631	631	631	631	631	631	
88,988	69,094	203,521	1,526	200	1,421,122	49,012	2,525,076	1,058,542	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	
5,000	1,067	16,612	1,526	200	73,183	18,516	3,598,886	1,042,488	753	753	753	753	753	753	753	753	753	
374,561	453,093	6,050,283	7,017	787,604	3,854,139	2,668	15,928,706	11,631,318	15,632	15,632	15,632	15,632	15,632	15,632	15,632	15,632	15,632	
19,058	8,596	84,520	200	6,302	57,289	15,872	2,507,114	424,029	2,351	2,351	2,351	2,351	2,351	2,351	2,351	2,351	2,351	
41,955	33,617	172,201	21,057	10,873	1,048,186	41,752	1,724,608	637,070	570	570	570	570	570	570	570	570	570	
35,226	17,657	133,472	13,042	9,989	586,822	30,851	1,067,846	450,173	447	447	447	447	447	447	447	447	447	
1,629	1,500	5,371	1,425	174	21,200	378	44,120	22,542	30	30	30	30	30	30	30	30	30	
5,100	14,400	33,358	6,590	710	437,164	10,523	612,642	164,955	93	93	93	93	93	93	93	93	93	
3,635,614	2,439,601	26,019,762	141,662	4,235,222	23,813,226	1,732,293	78,892,634	53,347,115	42,296	42,296	42,296	42,296	42,296	42,296	42,296	42,296	42,296	
98,898	65,010	476,134	4,380	64,593	600,980	42,111	1,742,356	1,099,265	988	988	988	988	988	988	988	988	988	
750,425	268,578	4,588,196	3,541	799,039	3,481,287	508,363	12,333,000	8,343,370	7,228	7,228	7,228	7,228	7,228	7,228	7,228	7,228	7,228	
2,012,210	1,638,409	15,058,317	130,277	1,689,705	15,927,011	771,014	47,887,534	31,189,509	23,368	23,368	23,368	23,368	23,368	23,368	23,368	23,368	23,368	
774,081	467,604	5,897,115	1,857	1,681,885	3,803,968	410,805	16,929,744	12,714,971	10,712	10,712	10,712	10,712	10,712	10,712	10,712	10,712	10,712	
215,350	95,859	645,110	13,065	5,719	161,084	1,133	284,284	122,067	9	9	9	9	9	9	9	9	9	
109,671	52,658	367,829	12,494	16,599	471,154	17,745	2,564,191	1,545,936	1,015	1,015	1,015	1,015	1,015	1,015	1,015	1,015	1,015	
105,679	43,201	277,281	2,780	86,650	512,121	17,235	1,240,355	710,999	449	449	449	449	449	449	449	449	449	
59,830	131,649	799,280	2,796	56,460	838,055	38,325	2,414,618	1,538,238	826	826	826	826	826	826	826	826	826	
283,587	360,028	1,687,091	13,846	585,502	547,692	2,641,922	8,346,845	5,157,231	3,071	3,071	3,071	3,071	3,071	3,071	3,071	3,071	3,071	
17,774	16,817	117,455	136	5,587	161,574	12,282	398,591	219,735	94	94	94	94	94	94	94	94	94	
16,872	3,431	28,482	1,779	1,918	16,696	2,040	91,629	72,893	44	44	44	44	44	44	44	44	44	
1,908,110	2,741,287	20,784,906	20,860	3,085,827	18,929,217	1,274,983	61,751,355	41,547,155	27,443	27,443	27,443	27,443	27,443	27,443	27,443	27,443	27,443	
654,189	1,483,384	11,641,755	3,502	1,575,129	9,798,851	792,297	32,652,855	22,061,707	16,955	16,955	16,955	16,955	16,955	16,955	16,955	16,955	16,955	
124,157	25,717	402,133	2,360	40,498	563,023	19,688	1,597,661	1,014,950	530	530	530	530	530	530	530	530	530	
189,749	117,780	1,264,496	77,690	72,202	2,078,862	54,752	4,418,330	2,289,716	1,292	1,292	1,292	1,292	1,292	1,292	1,292	1,292	1,292	
935,015	1,114,386	7,476,522	10,676	1,397,998	6,438,481	408,246	23,082,509	16,180,782	9,666	9,666	9,666	9,666	9,666	9,666	9,666	9,666	9,666	
183,843	100,462	1,504,147	11,341	723,978	1,309,458	147,393	5,399,507	3,942,656	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	
59,992	35,537	610,700	1,132	95,329	2,989,402	67,605	4,931,487	1,874,480	1,789	1,789	1,789	1,789	1,789	1,789	1,789	1,789	1,789	
16,518	38,852	178,462	5,823	1,366	508,588	2,562	898,545	387,395	18	18	18	18	18	18	18	18	18	
858,072	496,934	5,099,015	37,694	411,092	11,900,294	304,472	23,152,468	10,947,702	5,311	5,311	5,311	5,311	5,311	5,311	5,311	5,311	5,311	
107,648	92,306	808,210	124	133,294	2,049,344	67,277	4,673,198	1,656,577	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	
36,655	14,792	90,988	2,077	26,345	73,778	115,933	495,820	306,109	1,646	1,646	1,646	1,646	1,646	1,646	1,646	1,646	1,646	
295,915	254,421	3,097,900	1,715	266,254	3,456,281	785,573	9,583,036	5,341,182	14,890	14,890	14,890	14,890	14,890	14,890	14,890	14,890	14,890	
115,667	48,641	753,982	300	272,197	1,032,413	64,024	2,994,629	1,898,192	2,636	2,636	2,636	2,636	2,636	2,636	2,636	2,636	2,636	
540,819	436,724	3,110,058	1,632	1,256,277	4,898,356	330,160	13,682,582	8,454,066	5,953	5,953	5,953	5,953	5,953	5,953	5,953	5,953	5,953	
62,771	208,504	480,050	500	46,458	746,910	33,629	2,006,235	1,225,696	1,456	1,456	1,456	1,456	1,456	1,456	1,456	1,456	1,456	
17,284	6,126	43,442	230	7,361	511	8,936	184,455	133,944	38	38	38	38	38	38	38	38	38	
5,180	3,280	16,984	444	206	10,575	7,019	73,898	56,160	18	18	18	18	18	18	18	18	18	
12,104	2,846	26,458	230	6,917	215	30,895	110,567	77,775	20	20	20	20	20	20	20	20	20	
33,212	48,096	154,195	1,152	2,816	285,921	6,746	714,999	422,332	151	151	151	151	151	151	151	151	151	
812,500	153,264	2,226,926	10,063	474,605	5,226,385	122,835	9,332,776	3,983,556	4,594	4,594	4,594	4,594	4,594	4,594	4,594	4,594	4,594	
126,956	90,937	982,521	8,290	93,473	1,294,405	44,281	2,733,312	1,394,626	1,655	1,655	1,655	1,655	1,655	1,655	1,655	1,655	1,655	
2,000	25,015	2,052	540	234	54,406	511	105,963	91,076	5	5	5	5	5	5	5	5	5	
87,380	9,248	189,386	9,800	18,856	1,039,740	20,494	1,568,963	508,819	510	510	510	510	510	510	510	510	510	
19,723	6,277	199,289	635	17,270	297,602	121,594	777,206	351,010	85	85	85	85	85	85	85	85	85	
234,091	72,367	551,358	384	1,968,106	1,160,465	230,192	5,336,700	3,946,043	4,747	4,747	4,747	4,747	4,747	4,747	4,747	4,747	4,747	
4,300	3,125	14,722	9,005	169	48,174	1,452	107,465	57,839	6	6	6	6	6	6	6	6	6	
38,552	13,136	715,814	119,458	21,437	585,671	9,920	2,266,555	1,670,964	5,713	5,713	5,713	5,713	5,713	5,713	5,713	5,713	5,713	
262,866	136,928	1,208,623	2,804	44,990	146,851	4,469,873	7,478,358	2,906,624	6,279	6,279	6,279	6,279	6,279	6,279	6,279	6,279	6,279	
926,324	669,478	7,247,888	8,917	13,125	1,040,390	4,548,245	18,435,449	13,512,453	8,903	8,903	8,903	8,903	8,903	8,903	8,903	8,903	8,903	
66,818	16,437	328,287	22,972	13,658	7,457	399,358	1,122,478	696,385	1,631	1,631	1,631	1,631	1,631	1,631	1,631	1,631	1,631	
35,904	6,052	166,812	19,972	10,822	5,597	264,670	707,870	431,719	523	523	523	523	523	523	523	523	523	
30,914	10,385	161,475	3,000	2,836	3,860	134,688	414,608	264,636	1,108	1,108	1,108	1,108	1,108	1,1				

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

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

																		Dollars.
1	Mineral and soda waters.....	111	404	131	23	17	9	224	Jy	298	Ja	171	219	208	1	10	.....	1,296,756
2	Minerals and earths, ground or otherwise treated.	7	183	3	8	1	4	167	My	187	Se	145	167	167			.....	718,916
3	Models and patterns, not including paper patterns.	32	200	35	8	2	3	152	De	188	Ja	126	194	190	3	1	.....	214,091
4	Musical instruments, pianos.....	5	684	.....	41	13	22	608	No	683	Ja	544	655	582	65	5	3	3,111,770
5	Musical instruments, piano and organ materials.	6	1,379	4	38	26	20	1,291	De	1,487	Ja	984	1,487	1,097	340	21	29	3,973,105
6	Needles, pins, and hooks and eyes.....	23	4,542	11	196	109	189	4,037	De	4,183	My	3,929	4,250	2,428	1,616	66	140	11,604,691
7	Oil, essential.....	9	48	10	4	3	5	4,037	Ja	46	Jy	2	51	49	2			544,305
8	Optical goods.....	8	103	7	6	4	7	79	Ja	217	Se	56	61	47	12	2		143,068
9	Ordnance and accessories.....	4	1,680	.....	80	92	65	1,443	Ap	2,753	Au	625	1,161	1,084	77			15,983,439
10	Paper and wood pulp.....	41	2,352	5	189	84	75	1,999	De	2,195	Fe	1,837	2,230	1,959	265	4	2	13,346,926
11	Paper goods, not elsewhere specified.....	8	477	6	29	20	22	400	De	414	Je	378	414	239	143	11	21	1,971,174
12	Patent medicines and compounds.....	26	282	18	23	38	33	162					194	142	52			1,277,572
13	Patent and proprietary medicines.....	18	190	12	16	30	11	121	My	125	Ap	112	122	90	32			747,982
14	Patent and proprietary compounds, not elsewhere specified.	8	92	6	12	6	27	41	No	72	Au	31	72	52	20			529,590
15	Paving materials.....	20	432	9	31	16	8	368	Jy	406	Fe	291	423	423				2,994,017
16	Perfumery and cosmetics.....	6	327	2	18	39	20	248	De	288	Ja	205	257	59	207	3	18	1,847,554
17	Photo-engraving.....	11	108	6	12	4	7	70	De	86	Fe	72	95	88	4	3		164,367
18	Pickles and sauces.....	7	68	8	3	8	3	46	Jy	54	Fe	31	50	26	24			180,501
19	Plated ware.....	26	6,109	3	242	353	310	5,192					5,763	4,641	1,047	51	44	19,645,228
20	Knives, forks, spoons, and other flat ware.	13	4,876	.....	190	296	278	4,112	De	4,604	Ja	3,260	4,589	3,584	930	36	39	16,029,273
21	Hollow ware.....	7	877	.....	40	43	31	763	De	877	Ja	552	878	793	70	11	4	2,490,996
22	All other.....	6	356	3	12	14	10	317	Au	333	Ja	299	316	264	47	1		1,124,959
23	Plumbers' supplies, not elsewhere specified.	6	663	1	25	29	32	576	No	652	Ap	520	644	459	95	91	9	2,004,754
24	Printing and publishing, book and job..	255	2,232	249	138	83	162	1,600					1,720	1,211	423	65	21	4,860,850
25	Job printing.....	235	2,001	231	124	39	96	1,511	De	1,597	Ja	1,460	1,612	1,155	382	58	17	4,447,553
26	Book publishing and printing.....	5	89	3	9	4	21	52	My	71	Ja	33	63	38	20	5		228,413
27	Book publishing without printing.....	11	119	11	5	40	45	18	Ap	27	Au	7	24	2	16	2	4	139,149
28	Linotype work and typesetting.....	4	23	4				19	Ap	21	Ja	11	21	16	5			45,735
29	Printing and publishing, newspapers and periodicals.	134	2,354	79	205	465	276	1,329					1,441	1,173	198	65	5	6,570,634
30	Printing and publishing.....	25	1,240	14	118	321	160	627	De	684	Ja	564	668	585	29	54		3,866,023
31	Printing, publishing, and job printing.	66	1,019	39	67	132	83	608	No	734	Ja	673	709	584	169	11	5	2,592,112
32	Publishing without printing.....	43	95	26	20	12	33	4	Mh	6	Jy	2	4	4				118,499
33	Roofing materials.....	3	35	4	2	1	3	25	De	44	Fe	4	44	25	18	1		93,631
34	Rubber tires, tubes, and rubber goods, not elsewhere specified.	21	6,437	4	325	742	306	5,060	De	5,830	Ap	4,666	5,830	4,823	917	73	17	35,224,104
35	Sausage, not made in slaughtering and meat-packing establishments.	20	123	21	9	10	4	79					85	81	3	1		278,456
36	Sausage.....	16	83	17	8	8	2	43	Ja	52	Fe	42	55	53	1	1		182,885
37	Sausage casings.....	4	40	4	1	2	2	31	Fe	32	De	30	30	28	2			95,571
38	Screws, machine.....	12	1,164	3	35	47	29	1,050	De	1,205	Ap	941	1,203	1,016	174	11	2	5,245,590
39	Screws, wood.....	5	2,409		25	43	96	2,245	Fe	2,361	Oc	2,140	2,188	1,630	478	39	19	6,522,577
40	Sewing machines and attachments.....	3	3,061		137	64	136	2,724	De	2,989	Ap	2,547	2,989	2,472	396	79	42	10,489,227
41	Shipbuilding, wooden, including boat building.	36	1,302	32	92	37	29	1,112					1,593	1,591	2			7,106,815
42	New vessels.....	11	1,205	5	89	36	29	1,046	Ja	2,426	No	274	1,521	1,519	2			6,944,841
43	Repair work only.....	12	64	12	1			51	Je	68	Fe	31	48	48				87,767
44	Small boats and masts and spars.....	13	33	15	2	1		15	Je	22	Fe	8	24	24				64,207
45	Shirts.....	10	655	15	32	9	17	582	De	624	Ja	523	621	162	422	21	16	1,094,562
46	Show cases.....	3	16	4				11	Fe	13	Ja	9	12	12				40,600
47	Signs and advertising novelties.....	26	69	22	8	5	3	31	No	18	Mh	6	38	25	9	1	3	264,074
48	Electric signs and advertising novelties.	3	20		5	4	1	10					17	5	9		3	58,954
49	Signs, other than electric.....	23	49	22	3	1	2	21	My	28	Ja	13	21	20				205,120
50	Silk goods.....	41	12,169	16	345	303	251	11,254					11,687	6,495	4,799	146	247	57,837,589
51	Finished products.....	31	11,925	5	339	303	249	11,029	No	11,570	Ja	9,917	11,415	6,425	4,624	137	229	57,623,502
52	Throwsters and winders.....	10	244	11	6			225	De	256	Ap	205	272	70	175	9	18	214,087
53	Silversmithing and silverware.....	6	661	6	30	84	46	495	De	618	Ja	323	618	492	90	20	16	3,092,278
54	Soap.....	6	586	1	35	48	57	445	Oc	487	Jy	380	484	321	162		1	2,720,839
55	Springs, steel, car and carriage, not made in steel works or rolling mills.	5	1,237		70	64	62	1,041	De	1,261	Mh	887	1,161	871	278	11	1	3,617,129
56	Stamped and enameled ware, not elsewhere specified.	26	2,575	8	124	56	99	2,288	Ja	2,557	Je	2,123	2,387	1,410	823	60	94	8,394,574
57	Stationery goods, not elsewhere specified.	8	188	5	12	18	23	110	De	122	Jy	98	120	68	44	3	5	407,313
58	Statuary and art goods.....	4	19	3	3			13	Au	21	Ap	7	20	19	1			36,012
59	Steam fittings and steam and hot-water heating apparatus.	11	4,997		124	400	213	4,260	De	4,925	Je	3,846	4,928	4,430	477	13	6	13,029,619
60	Stencils and brands.....	3	21	1	2		3	15	Ap	18	Ja	10	18	13				56,879
61	Stereotyping and electrotyping.....	6	126	3	10	5	5	103	My	110	Ja	89	105	102	2	1		162,896
62	Structural ironwork, not made in steel works or rolling mills.	19	549	15	29	28	18	459	No	528	Mh	399	513	513				1,285,288
63	Surgical appliances.....	10	234	8	9	2	10	205	Ja	245	My	171	238	94	134	2	8	3,352,350
64	Suspenders, garters, and elastic woven goods.	15	3,726	3	107	104	86	3,426	Se	3,711	Fe	3,053	3,763	1,534	2,070	51	108	15,787,934
65	Textile machinery and parts.....	23	763	44	37	5	8	669	My	703	Oc	558	697	609	78	9	1	2,771,501
66	Tobacco, cigars.....	193	1,544	205	33	33	10	1,293	No	1,360	Jy	1,160	1,395	1,098	282	10	5	2,219,128
67	Tobacco, smoking.....	5	24	4	2			16	My	31	De	3	17	14	3			17,199

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

<sup>2</sup> Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

# MANUFACTURES—CONNECTICUT.

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## COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.										POWER.									
Salaries and wages.			Rent and taxes.			For materials.			Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.			
Officials.	Clerks, etc.	Wage earners.	For contract work.	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.	Rent.				
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.									
43,090	14,700	228,852	10,697	19,207	51,674	655,201	20,171	1,415,723	740,351	429	62	46	3	318	1				
20,035	4,634	164,231	9,402	4,963	3,830	253,353	29,550	482,852	199,949	1,769	1,095	32	482	160	220				
15,699	2,780	227,217	34,909	10,411	2,182	71,032	8,449	453,301	373,820	220									
128,985	36,293	645,322		8,260	15,578	1,456,353	26,064	2,505,958	1,022,941	857	720	55	61	201	137	262			
151,885	49,555	1,096,669		12,080	81,155	1,899,882	57,484	4,266,704	2,309,338	1,628	1,173				133	1,440			
580,014	382,075	4,208,987	57,699	9,870	709,221	5,395,552	221,801	13,904,286	8,286,843	4,355	2,416	350	60	655	934	1,615			
12,600	14,423	19,791		25	1,572	244,383	6,035	472,315	221,897	345	185			50	50	7			
19,460	12,270	68,370		5,840	2,568	91,145	2,202	282,230	188,883	79				54	25	9			
436,303	218,500	1,860,934	1,475	251,485	5,209,038	126,513	11,696,554	12,039,103	6,361,003	5,073	1,625		75	200	3,173	1,342			
494,399	196,528	2,193,938	14,993	252,160	7,007,764	1,208,855	2,364,624	1,212,227	472,484	26,742	15,820	1,190	5	8,119	1,608	2,845			
106,872	69,897	372,069		93,901	1,137,038	15,359	2,984,223	1,624,815	184		150			180	184	75			
249,714	72,453	158,934	1,044	8,621	94,062	16,418	1,985,223	1,250,896	78						106	78			
180,663	54,836	117,847	1,044	4,031	91,868	177,445	8,491	1,436,832	373,919										
69,051	17,617	41,087		4,590	2,194	166,545	7,927	548,391											
87,624	24,468	458,983		2,817	40,207	233,191	87,843	1,310,547	989,513	6,399	2,850		15		3,534	4			
67,587	66,770	118,191		4,300	48,331	1,148,817	5,999	2,718,711	1,563,895	173	105				68	19			
29,299	13,079	102,190	6,988	6,392	4,225	46,392	6,299	305,561	252,870	75	25				50				
11,795	19,357	34,253		4,196	6,263	139,762	2,324	346,710	204,624	35				2	33				
692,663	798,175	5,442,093	8,555	11,053	665,925	9,732,495	272,235	22,061,966	12,657,236	7,483	2,785	1,000	87	447	3,164	2,941			
562,271	633,008	4,189,934	936	3,813	576,130	8,318,229	206,161	18,956,884	10,432,494	6,076	2,040	1,000	32	290	2,714	2,839			
88,520	131,602	903,116	7,319	100	81,292	1,021,973	41,088	2,743,921	1,680,860	855				55	157	423	102		
41,872	33,565	349,043	300	7,140	8,503	392,293	24,986	961,161	543,882	552	525			75	154	27			
91,812	68,243	631,832		1,916	33,542	1,362,140	35,767	2,377,250	979,343	699	470								
334,725	247,826	1,674,471	182,683	102,766	82,448	2,140,023	72,954	6,246,748	4,033,771	1,590	132		65	15	1,378				
309,687	136,841	1,595,785	26,212	93,960	76,227	1,905,203	70,350	5,353,973	3,378,425	1,553	132		61	15	1,345				
15,056	19,039	9,208	10	4,390	4,897	150,938	726	240,055	88,391	28					28				
9,982	91,946	9,000	156,461	3,416	1,056	81,400	120	603,106	521,586										
547,273	863,763	1,486,886	224,508	71,973	144,885	2,120,457	119,389	7,513,467	5,273,621	2,480	320			27	9	2,124	34		
336,731	574,166	736,371	5,722	33,079	69,570	1,212,881	64,063	4,184,289	2,907,365	1,405	150				1,255	30			
184,106	258,919	745,424	11,819	33,507	75,074	862,302	54,729	2,918,216	2,001,185	1,075	170			27	9	869	4		
26,436	30,678	5,091	206,967	5,387	241	45,294	597	410,962	365,071										
13,000	2,520	18,953	600	663	22,075	2,046	2,046	96,256	71,535	100									
1,114,310	1,335,760	5,405,006	327	37,448	1,155,116	17,647,975	584,542	33,927,913	15,695,396	11,474	5,468	1,100		315	4,591	4,057			
20,822	17,168	87,802		12,794	2,619	1,051,529	16,876	1,370,156	301,751	410	25		7		378				
17,710	12,800	59,204		9,194	2,058	718,511	12,946	950,390	218,933	201	25		7		169				
3,112	4,368	28,598		3,600	561	333,018	3,930	419,768	82,818	209					209				
115,912	90,903	1,103,926	43	6,696	582,664	895,444	70,456	3,271,675	2,305,775	2,154	19				2,135				
172,252	249,453	2,104,980			565,743	2,319,975	182,977	6,389,845	3,886,893	2,180	306				1,854				
375,475	225,790	3,276,804			154,315	832,520	97,621	5,247,956	4,317,815	2,041	1,000				1,041	1,026			
142,551	64,528	1,254,871	4,469	9,352	94,973	938,620	45,731	2,924,031	1,936,680	2,624	1,018	10	233	12	1,351				
139,011	63,528	1,175,940	3,853	7,933	93,557	875,854	46,037	2,735,356	1,813,665	2,296	998			70	1,228				
1,740	62,787	699		1,022	45,078	1,012	1,012	137,701	90,941	215	20			10	105				
1,800	15,644	616		394	17,888	1,012	1,012	50,974	32,074	113				73	18				
92,957	34,447	408,474	118,117	11,980	91,012	2,056,834	13,298	3,292,180	1,222,048	371	316				30	158			
11,927	14,682	300		1,764	310	4,945	490	27,380	21,955	39					26				
3,575	27,165	3,684		9,553	2,325	64,615	912	197,418	131,891	26					26				
8,352	2,639	5,393		1,892	143	39,276	91	75,010	35,643	1									
1,706,403	2,201	21,772	250	7,661	3,092	25,339	821	122,408	96,248	25									
1,695,829	1,527,293	11,523,047	1,144,105	39,877	2,871,315	36,641,924	883,945	68,053,429	30,527,560	18,357	5,406	4,792	4	1,844	6,311	4,923			
10,774	1,525,743	11,361,005	1,144,105	36,408	2,866,349	36,609,780	867,908	67,754,645	30,276,977	17,616	5,091	4,787	4	1,720	6,034	4,903			
144,260	1,550	182,042		3,469	4,966	32,164	16,037	298,784	280,583	741	315	25		124	277	20			
172,921	154,818	492,109	4,060	87,731	1,323,458	20,842	20,842	3,061,520	1,717,220	679	550	60			69	280			
242,874	128,840	422,558		1,400	285,317	2,101,519	76,616	5,144,996	2,966,861	1,054	835			40	179	850			
429,891	158,939	1,228,739	1,898	641	101,858	1,516,756	135,995	3,955,465	2,302,714	1,519	250				1,260				
38,921	206,564	2,147,985	74,772	6,030	429,813	2,840,866	152,114	7,422,780	4,429,800	2,565	980	240	55	40	1,250	362			
4,200	100,767	9,235	5,146	25,320	184,684	3,747		477,233	288,802	98									
464,718	41,130																		
2,096	13,704	1,700	360	514	5,885	1,196	1,196	35,500	28,419	20					20				
26,985	6,103,657		26,854	1,658,019	5,948,899	538,620	538,620	17,401,135	10,913,616	8,883	1,315	3,278	20	60	2,210	3,631			
143,144	969,823																		



## MANUFACTURES—CONNECTICUT.

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.	Fe-male.	Aver-age number.	Number, 15th day of—			Male.	Fe-male.	Male.	Fe-male.	
								Maximum month.	Minimum month.						

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

																Dollars.
1	Tools, not elsewhere specified.....	70	3,986	38	179	178	218	3,373			3,564	3,128	640	62	34	12,217,159
2	Carpenters'.....	8	1,403	3	33	90	85	1,192	Fe 1,253	Au 1,109	1,213	950	234	22	7	4,456,122
3	Machinists'.....	28	679	17	48	14	34	566	No 621	Ap 518	633	599	20	10	4	2,361,827
4	All other.....	34	1,904	18	98	74	99	1,615	De 1,751	Ap 1,541	2,018	1,579	386	30	23	5,399,210
5	Toys and games.....	21	1,139	13	30	37	88	971	Oc 1,348	Ja 561	1,011	535	384	51	37	2,464,654
6	Typewriters and parts.....	5	6,810		44	104	123	6,539	De 7,348	Au 5,553	7,086	5,385	1,550	92	59	14,653,979
7	Varnishes.....	4	41	2	11	11	2	15	No 23	Ja 11	18	18				287,576
8	Vinegar and cider.....	93	140	105	1			34			94	94				287,664
9	Vinegar.....	3	10	4				6	Oc 12	Ja 4	6	6				46,068
10	Cider.....	90	130	101	1			28	Oc 115	Ja 1	88	88				241,596
11	Watch and clock materials, except watchcases.....	5	52	8	3		2	39	De 50	Fe 32	50	9	41			69,047
12	Window and door screens.....	6	42	6	3	3	1	29	No 33	Fe 24	33	33				67,935
13	Window shades and fixtures.....	5	56	2	5		2	47	Oc 59	Mh 39	55	33	10	11	1	128,576
14	Wire.....	7	1,555	3	47	93	34	1,378	Fe 1,693	Ap 1,056	1,397	1,246	147	4		8,136,575
15	Wirework, not elsewhere specified.....	20	617	12	36	14	18	537	De 595	Ap 484	697	378	177	30	12	1,571,397
16	Wood, turned and carved.....	28	290	32	16	5	7	230	De 297	My 200	238	275	14	9		653,534
17	Wooden goods, not elsewhere specified.....	6	19	5	1	1	1	11	Ja 12	No 7	11	11				36,630
18	Wood shoddy.....	9	339	7	16	6	7	303	My 353	Fe 265	299	266	29	2		2,684,641
19	Woolen goods.....	35	5,025	5	163	50	56	5,451	De 6,006	Fe 4,434	6,053	4,426	1,505	72	50	23,841,721
20	Worsted goods.....	9	2,579	5	56	45	31	2,447	De 2,752	Fe 2,025	2,752	1,694	867	96	95	16,775,765
21	All other industries *.....	208	34,894	98	945	2,508	1,622	29,721								122,179,195

\* All other industries embrace—  
Aeroplanes, seaplanes, and airships, and parts..... 1  
Agricultural implements..... 2  
Aluminum manufactures..... 1  
Artificial limbs..... 1  
Artists' materials, crayons..... 1  
Asbestos textile mill products, not including steam packing..... 2  
Automobiles..... 2  
Babbitt and white metal..... 2  
Bags, paper, exclusive of those made in paper mills..... 1  
Baking powders..... 1  
Baskets, and rattan and willow ware..... 2  
Bells..... 3  
Belt and hose, woven, other than rubber..... 1

Blacking, stains, and dressings..... 1  
Bluing..... 1  
Boot and shoe cut stock..... 1  
Boxes, cigar..... 1  
Carpet and rugs, other than rag..... 1  
Carriages and sleds, children's..... 1  
Cars and general shop construction and repairs by steam-railroad companies..... 10  
Cash registers and calculating machines..... 3  
Chemicals..... 3  
China decorating, not including that done in potteries..... 1  
Chocolate and cocoa products..... 1  
Coal-tar products..... 2  
Cordials and flavoring sirups..... 2

Crucibles, clay..... 2  
Dairymen's and poultrymen's supplies..... 2  
Dental goods..... 4  
Engravers' materials..... 1  
Envelopes..... 2  
Fire extinguishers, chemical..... 1  
Fireworks..... 3  
Flavoring extracts..... 6  
Foundry supplies..... 2  
Furnishing goods, men's..... 5  
Furs, dressed..... 1  
Galvanizing..... 1  
Gas and water meters..... 1  
Gloves and mittens, cloth, not including gloves made in textile mills..... 1  
Glucose and starch..... 1

Glue, other than fish..... 1  
Gold and silver, reducing and refining, not from the ore..... 3  
Gold, leaf and foil..... 2  
Grease and tallow, not including lubricating greases..... 4  
Hair work..... 1  
Hats, wool-felt..... 1  
Hones and whetstones..... 1  
Horseshoes, not made in steel work or rolling mills..... 2  
Ink, writing..... 1  
Instruments, professional and scientific..... 6  
Iron and steel, blast furnaces..... 1  
Iron and steel, wrought pipe..... 1  
Ivory, shell, and bone work, not including combs and hairpins..... 2

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

	BRIDGEPORT—All industries.....	443	51,344	316	1,532	4,005	2,629	42,862	De 48,643	Au 36,280	48,933	34,923	13,116	430	464	187,517,015
1	Automobile repairing.....	15	120	9	16	6	6	83	De 93	Ja 70	93	91	2			174,002
2	Awnings, tents, and sails.....	4	14	4				10	Ap 10	Ja 8	10	6	4			16,010
3	Boxes, paper and other, not elsewhere specified.....	5	257	2	12	2	3	238	Ja 316	Ja 203	247	55	138	6	48	266,754
4	Boxes, wooden packing, except cigar boxes.....	3	7	4				3	Ja 4	De 1	3	3				2,346
5	Brass and bronze products.....	9	2,342	5	58	241	123	1,915	De 2,288	Ja 1,658	2,157	1,864	269	23	1	7,795,670
6	Bread and other bakery products.....	56	599	59	26	80	24	410	De 458	Fe 387	460	395	51	9	5	1,127,931
7	Coffee, roasting and grinding.....	3	4	2				2	(*) 2	(*) 2	3	3				5,595
8	Confectionery and ice cream.....	14	193	23	7	10	5	148	Fe 114	My 57	149	77	39	2	31	349,394
9	Confectionery.....	6	109	10	2	7	2	88	Jy 98	Ja 42	94	26	35	2	31	103,746
10	Ice cream.....	8	84	13	5	3	3	60	De 54	Fe 36	55	55				243,048
11	Copper, tin, and sheet-iron work.....	16	67	15	5		5	42	De 54	Fe 36	55	55				146,087
12	Corsets.....	6	3,509	93	68	96	3,252	Se 3,656	Ja 2,795	Ja 2,795	3,616	613	2,839	24	140	7,492,050
13	Cutlery, scissors, shears, clippers, and pocket knives.....	4	770	34	15	7	714	De 790	Ap 665	Ja 665	790	686	65	31	8	1,684,773
14	Electrical machinery, apparatus, and supplies.....	8	3,082	2	84	247	167	2,582	De 3,277	Ap 1,796	3,290	1,553	1,573	85	79	8,155,279
15	Engraving and die-sinking.....	4	9	5				4	Ja 5	Mh 3	7	6				5,835
16	Food preparations, not elsewhere specified.....	5	28	6	1	1	1	19	Jy 29	Ja 10	14	11	3			99,355
17	Foundry and machine-shop products.....	30	1,896	9	110	135	80	1,582	Mh 724	My 583	1,721	1,691	26	4		6,521,619
18	Machine shops.....	22	832	8	56	75	45	648	Ja 1,084	Je 771	1,031	1,017	13	1		2,647,748
19	All other.....	8	1,064	1	54	60	35	914	Ja 969	Fe 864	969	702	214	49	4	3,873,571
20	Hardware.....	6	1,034	1	57	19	31	926	De 1,065	My 640	1,065	923	115	22	5	3,337,592
21	Iron and steel, forgings, not made in steel works or rolling mills.....	4	984	27	98	60	799									4,788,302
22	Iron and steel, tempering and welding.....	4	17	1	5	2	1	8	Ja 9	Mh 7	9	9				21,097
23	Lumber, planing-mill products, not including planing mills connected with sawmills.....	5	180	2	9	9	11	149	Au 170	Mh 133	164	164				395,735
24	Machine tools.....	11	1,963	1	55	107	112	1,688	De 1,985	Ap 1,542	1,985	1,930	49	6		5,392,691
25	Marble and stone work.....	3	37	1	6	2	1	27	Jy 30	Mh 20	24	24				82,661
26	Mattresses and spring beds, not elsewhere specified.....	3	16	3	1		1	11	(*) 11	(*) 11	11	11				212,150

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

<sup>2</sup> Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).





## MANUFACTURES—CONNECTICUT.

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

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

BRIDGEPORT—Continued.															Dollars.
1	Mineral and carbonated waters.	14	54	20	2	32	Jy <sup>s</sup>	43	Ja <sup>s</sup>	25	33	33	2	1	121,572
2	Models and patterns, not including paper patterns.	6	36	6	1	28	De	38	Ja	18	38	35	2	1	46,726
3	Printing and publishing, job, linotype work, and typesetting.	32	142	28	10	96	De	105	Fe	81	105	82	20	2	242,276
4	Printing and publishing, newspapers and periodicals.	6	314	4	22	109	Oc <sup>s</sup>	156	Fe	133	156	149	7	1	958,258
5	Rubber tires, tubes, and rubber goods, not elsewhere specified.	4	580	14	25	526	Oc	576	My	478	573	345	216	6	1,104,946
6	Stamped ware, not elsewhere specified.	5	256	3	20	8	Au	243	Ja	198	224	103	107	4	417,784
7	Suspenders, garters, and elastic woven goods.	4	216	21	6	15	De	190	Fe	162	190	77	107	1	1,513,440
8	Tobacco, cigars.	16	73	17	1	3	Au <sup>s</sup>	53	Je	46	51	44	7	25	71,578
9	Tools, not elsewhere specified.	17	637	9	55	18	De	311	Ja	245	873	525	314	25	2,152,173
10	Machinists.	12	234	7	23	6	De	231	Fe	145	239	213	14	8	908,956
11	All other.	5	403	2	32	12	De	373	Ja	291	634	312	300	17	1,243,217
12	All other industries.*	121	31,908	75	782	2,798	1,773	26,490			29,848	22,658	6,949	129	132,815,334

* All other industries embrace—	Buttons.....	1	Coffins, burial cases, and under-	1	Gas and electric fixtures.....	1
Ammunition.....	Carriage and wagon materials.....	1	takers' goods.....	1	Gas and water meters.....	1
Artificial stone products.....	Carriages and sleds, children's.....	1	Cotton lace.....	1	Gas, illuminating and heating.....	1
Asbestos textile-mill products, not	Carriages and wagons.....	2	Crucibles, clay.....	1	Glass, cutting, staining, and orna-	1
including steam packing.....	Cars and general shop construction		Electroplating.....	2	menting.....	1
Automobile bodies and parts.....	and repairs by electric-railroad		Engines, steam, gas, and water.....	3	Hair work.....	1
Automobiles.....	companies.....	1	Engraving, steel and copper plate,	1	Hats, wool-felt.....	1
Babbitt metal.....	Cars and general shop construction		including plate printing.....	1	House-furnishing goods, mops and	1
Bags, other than paper, not including	and repairs by steam-railroad		Fertilizers.....	1	dusters.....	1
bags made in textile mills.....	panies.....	1	Firearms.....	1	Ice, manufactured.....	1
Belted, leather.....	Cleaning and polishing preparations	1	Flour-mill and gristmill products.....	1	Instruments, professional and scien-	1
Bookbinding and blank-book mak-	Clothing, men's and youths'.....	2	Furnishing goods, men's, neckwear.....	2	tific.....	1
ing.....	Clothing, women's.....	2	Furniture, store and office fixtures.....	2	Iron and steel, steel works and rolling	2

HARTFORD—All industries.....		504	30,738	430	1,027	1,813	1,204	26,264	De	28,824	Ap	24,853	26,728	21,174	5,170	258	126	119,509,401
1	Automobile bodies and parts .....	8	413	6	15	24	11	357	De	435	Ja	266	437	432	5	.....	.....	2,134,797
2	Automobile repairing.....	32	226	33	17	4	10	162	De	172	Ja	148	170	166	4	.....	.....	332,243
3	Awnings, tents, and sails.....	4	24	4	1	2	17	17	My	20	Ja <sup>s</sup>	15	14	9	5	.....	.....	69,404
4	Bookbinding and blank-book making.....	5	26	6	1	2	18	18	Ja <sup>s</sup>	18	Se <sup>s</sup>	17	18	8	9	1	.....	19,955
5	Brass and bronze products.....	4	117	3	9	1	3	101	De	150	Mh	57	150	141	9	.....	.....	424,910
6	Bread and other bakery products.....	50	441	52	15	28	47	299	De	320	Fe	287	323	303	16	2	1	926,236
7	Clothing, women's.....	11	337	17	5	12	8	295	Je	324	Fe	255	283	23	257	2	1	619,138
8	Coffee, roasting and grinding.....	4	42	2	4	10	6	20	Mh <sup>s</sup>	21	Ja <sup>s</sup>	19	19	10	7	1	1	303,458
9	Confectionery and ice cream.....	8	96	9	5	3	7	72					60	46	14	.....	.....	228,735
10	Confectionery.....	4	19	8	1	7	7	11	(O)	11	(O)	11	12	7	5	.....	.....	43,500
11	Ice cream.....	4	77	1	5	3	10	61	Jy	93	Ja <sup>s</sup>	48	48	39	9	.....	.....	185,235
12	Copper, tin, and sheet-iron work.....	20	140	20	8	3	10	99	No	123	Ap	77	123	123	1	.....	.....	224,876
13	Electrical machinery, apparatus, and supplies.....	10	1,633	2	61	78	102	1,390	De	1,981	Ap	1,036	2,011	932	1,070	4	5	4,937,073
14	Electroplating.....	3	12	3	1	1	1	9	Mh	10	Jy	8	9	9	1	.....	.....	6,200
15	Engraving and diesinking.....	5	18	6	1	1	1	12	Se <sup>s</sup>	14	Ja <sup>s</sup>	8	14	14	2	.....	.....	26,392
16	Food preparations, not elsewhere specified.....	8	37	12	8	1	1	17					19	17	2	.....	.....	70,545
17	Macaroni, vermicelli, and noodles.....	3	11	2	1	1	1	8	Ap <sup>s</sup>	9	Ja <sup>s</sup>	6	9	7	2	.....	.....	16,250
18	All other.....	5	26	10	7	7	7	9	Je <sup>s</sup>	10	Ja <sup>s</sup>	8	10	10	7	.....	.....	54,295
19	Foundry and machine-shop products.....	40	2,116	25	82	147	99	1,763	Ja	1,420	Oc	1,262	1,902	1,823	75	4	.....	9,691,394
20	Machine shops.....	34	1,627	21	64	133	92	1,317	De	521	Mh	381	1,351	1,309	68	4	.....	8,525,369
21	All other.....	6	489	4	18	14	7	446	Ja	22	Au	13	521	514	7	.....	.....	1,166,025
22	Fur goods.....	4	26	7	2	1	1	16	De	22	Au	13	15	4	10	1	1	74,602
23	Furniture.....	6	125	4	21	3	2	95	Au	105	Ja	70	98	97	1	.....	.....	316,691
24	Iron and steel, welding.....	3	8	3	1	1	1	5	Oc <sup>s</sup>	5	Ja <sup>s</sup>	4	5	5	5	.....	.....	8,136
25	Jewelry.....	3	8	3	1	1	1	5	Ap <sup>s</sup>	5	Ja <sup>s</sup>	4	5	5	5	.....	.....	8,678
26	Liquors, malt.....	4	164	1	13	14	1	135	Je	158	No	90	98	98	1	.....	.....	1,472,993
27	Looking-glass and picture frames.....	5	27	10	3	4	1	10	(O)	10	(O)	10	10	9	1	.....	.....	43,986
28	Lumber, planing-mill products, not including planing mills connected with sawmills.....	9	182	9	17	5	8	143	De	164	Mh	112	165	165	1	.....	.....	786,966
29	Machine tools.....	6	2,625	99	189	95	2,242	Ja	2,680	Ap	2,089	2,268	2,104	115	49	.....	.....	9,819,343
30	Marble and stone work.....	5	39	8	2	2	2	27	Oc	39	Ja	13	26	26	2	.....	.....	62,385
31	Mattresses and spring beds, not elsewhere specified.....	6	36	8	1	1	1	26	My	29	Jy <sup>s</sup>	24	26	24	2	.....	.....	115,528
32	Millinery and lace goods, not elsewhere specified.....	3	47	5	2	1	13	26	Se	34	Ja	14	21	3	14	1	3	29,406
33	Mineral and carbonated waters.....	6	44	12	1	1	1	29	Je	48	Fe	17	20	20	1	.....	.....	128,490
34	Models and patterns, not including paper patterns.....	5	79	4	3	1	1	71	De	84	Ja	63	84	84	1	.....	.....	88,715
35	Patent medicines and compounds.....	4	21	2	3	2	2	14	(O)	14	(O)	14	14	13	1	.....	.....	26,421
36	Photo-engraving.....	5	40	2	5	2	2	29	De	32	Ja <sup>s</sup>	26	32	30	2	.....	.....	63,243
37	Printing and publishing, book and job.....	51	723	48	37	11	37	590					604	437	163	4	.....	1,738,992
38	Job printing.....	42	661	38	33	9	31	550	Oc <sup>s</sup>	562	My	537	571	411	156	4	.....	1,644,256
39	All other.....	9	62	10	4	2	6	40	My	59	Ja <sup>s</sup>	33	33	26	7	.....	.....	94,736

\* Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

\* Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## MANUFACTURES—CONNECTICUT.

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

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

HARTFORD—Continued.															Dollars.
1	Printing and publishing, newspapers and periodicals.	17	535	7	33	109	61	325			376	335	41		1,834,990
2	Printing and publishing.	4	412		28	101	49	234	De 253 Ja 221	251	246	5			1,028,303
3	Printing, publishing, and job printing.	6	112	4	3	7	9	89	No 96 Ja 83	123	87	36			175,726
4	Publishing without printing.	7	11	3	2	1	3	2	Ja 3 Mh 2	2	2				30,961
5	Structural ironwork, not made in steel works or rolling mills.	3	33	3	3	1	2	29	Se 46 Fe 15	43	43				94,385
6	Surgical appliances.	3	5	4				1	(*) 1 (*) 1	1	1				5,160
7	Tobacco, cigars.	26	256	27	8	5		216	No 288 Ja 201	292	231	61			684,567
8	Tools, not elsewhere specified.	6	248	2	12	6	19	209	Ja 222 Fe 200	212	209	3			1,000,610
9	All other industries *	112	19,784	61	548	1,138	646	17,391		16,761	13,175	3,292	180	114	81,020,824

\*All other industries embrace—  
 Artificial limbs. 1  
 Artificial stone products. 2  
 Baskets, and rattan and willow ware. 1  
 Belting, leather. 1  
 Boots and shoes, not including rubber boots and shoes. 2  
 Boxes, cigar. 1  
 Boxes, paper, shipping containers and set-up paper boxes. 2  
 Boxes, wooden packing, except cigar boxes. 2  
 Brick, building. 2

Brooms, from broom corn. 1  
 Brushes. 4  
 Butter. 1  
 Carpets, rag. 1  
 Carriages and wagons, including repairs. 4  
 Cars and general shop construction and repairs by electric-railroad companies. 1  
 Cash registers and calculating machines. 2  
 Cleansing and polishing preparations. 1

Clothing, men's. 2  
 Coffins, burial cases, and undertakers' goods. 1  
 Cooperage, hogsheds and barrels. 1  
 Cutlery and edge tools. 1  
 Dental goods. 1  
 Druggists' preparations. 1  
 Engines, steam, gas, and water. 3  
 Engraving, steel and copper plate, including plate printing. 2  
 Engraving, wood. 2  
 Envelopes. 1

Fertilizers. 1  
 Files. 1  
 Firearms. 2  
 Flavoring extracts. 1  
 Gas, illuminating and heating. 2  
 Glass, cutting, staining, and ornamenting. 1  
 Gold, leaf and foil. 2  
 Hand stamps. 1  
 Hardware, vehicle. 1  
 Hats and caps, other than felt, straw, and wool. 1

NEW BRITAIN—All industries.															59,043,689
1	Automobile repairing.	3	12	1	1	1		9	My 11 Ja 8	9	9				51,244
2	Bread and other bakery products.	13	123	14	7	4	6	92	No 98 Jy 88	98	79	18	1		406,728
3	Clothing, women's, shirt waists and dresses, except house dresses.	3	40	2	5		1	41	Je 56 De 25	55	3	52			45,686
4	Copper, tin, and sheet-iron work.	3	8	3				5	Ap 6 Ja 5	5	5				9,850
5	Foundry and machine-shop products.	7	2,879		171	164	140	2,404	De 2,829 My 2,148	2,386	2,199	177	7	8	9,347,573
6	Hardware.	7	6,522	3	95	334	368	5,722	De 6,322 Mh 5,328	6,322	4,060	1,255	64	48	17,040,125
7	Mineral and carbonated waters.	5	12	7				5	Jy 7 Ja 1	5	3		2		40,360
8	Models and patterns, not including paper patterns.	3	8	4				4	My 5 Ja 2	3	3				7,119
9	Printing and publishing, book and job.	7	70	6	4	6	6	48	No 52 Jy 43	54	30	8	13	8	161,356
10	Printing and publishing, newspapers and periodicals.	4	109		11	1	4	93	De 109 Ja 80	109	77	24	8		265,207
11	Tobacco, cigars.	8	31	10				21	No 24 Ja 18	24	19	5			17,200
12	All other industries *	53	9,856	29	231	353	475	8,768		9,397	6,004	2,238	08	157	32,251,351

\*All other industries embrace—  
 Awnings, tents, and sails. 1  
 Bookbinding and blank-book making. 1  
 Boxes, paper, shipping containers. 2  
 Brass and bronze products. 2

Carriages and wagons, repair work only. 2  
 Cars and general shop construction and repairs by electric-railroad companies. 1  
 Confectionery, ice cream. 1  
 Cutlery, table. 1  
 Electrical machinery, apparatus, and supplies. 2

Electroplating. 1  
 Fancy articles, celluloid novelties. 1  
 Food preparations, macaroni, vermicelli, and noodles. 2  
 Furniture, metal. 1  
 Gas, illuminating and heating. 1

Glass, cutting, staining, and ornamenting. 1  
 Grease and tallow, not including lubricating greases. 1  
 Hand stamps. 1  
 Hardware, saddlery. 1

NEW HAVEN—All industries.															112,965,626
1	Artificial stone products.	3	25	2	7	2	2	12	Se 16 Je 7	15	10				69,621
2	Automobile bodies and parts.	18	627	14	36	22	24	531	De 723 Mh 386	722	664	24	15	19	1,063,225
3	Automobile repairing.	38	330	28	25	13	20	244	Au 252 Ja 232	250	247	2	1		525,540
4	Awnings, tents, and sails.	3	13	1	2		1	9	Au 13 Ja 6	13	6	7			22,629
5	Bookbinding and blank-book making.	4	18	4				14	No 17 Je 8	17	8	9			18,536
6	Brass, bronze, and copper products.	6	82	7	4	4		67	De 84 My 52	84	84				423,841
7	Bread and other bakery products.	80	540	89	16	37	37	361	Jy 377 Fe 335	365	306	50	8	1	1,229,926
8	Carriages and wagons, repair work only.	3	7	4				3	Mh 6 Oc 2	3	3				4,135
9	Clothing, men's.	49	219	72		3	2	142		182	47	126	1	8	167,396
10	Regular factory products.	13	120	17		3	2	98	Mh 104 Je 93	103	25	70	1	7	149,773
11	Contract work.	30	99	55				44	De 79 Jy 29	79	22	56		1	17,023
12	Clothing, women's.	14	382	16	13	1	6	346		432	34	385		13	138,533
13	Regular factory products.	8	221	9	8		3	201	Au 237 Fe 123	231	32	188		11	117,404
14	Contract work.	6	161	7	5	1	3	145	De 188 Ja 63	201	2	197		2	21,069
15	Coffee, roasting and grinding.	6	16					6	(*) 6 (*) 6	6	5	1			42,219
16	Confectionery and ice cream.	20	514	17	41	18	30	408		325	170	123	5	27	1,283,710
17	Confectionery.	14	379	14	28	13	21	303	Fe 393 De 227	230	91	107	5	27	715,831
18	Ice cream.	6	135	3	13	5	9	105	Jy 143 Ja 80	95	79	16			567,879
19	Copper, tin, and sheet-iron work.	24	99	31	7	2	5	54	Oc 64 Ja 41	51	50		2		122,386
20	Corsets.	3	1,643	9	87	91	81	1,375	De 1,430 Fe 1,346	1,455	181	1,252	5	17	3,476,918
21	Cutlery and edge tools, pocket knives.	3	119	3	7		3	106	Jy 178 Fe 47	104	130	57	5	2	206,626
22	Electrical machinery, apparatus, and supplies.	4	57	2	3	3		49	Je 56 Se 44	47	47				165,567
23	Electroplating.	5	27	7	2			18	Fe 21 Je 15	22	21	1			25,789
24	Engraving, steel and copper plate, including plate printing.	3	21	3	2		2	14	No 18 Ja 11	17	11	3	3		17,350

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

<sup>2</sup> Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



## MANUFACTURES—CONNECTICUT.

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

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

NEW HAVEN—Continued.															Dollars.			
1	Fancy articles, not elsewhere specified.	3	17	3	1	1	12	No	27	Mh	3	22	4	16	2	13,825		
2	Food preparations, not elsewhere specified.	9	123	6	12	3	13	De	95	My	83	78	37	41	1	314,238		
3	Foundry and machine-shop products.	31	928	23	66	39	29	771				866	846	3	17	2,528,229		
4	Boiler shops and foundries.	7	520	3	23	20	11	463	De	514	My	428	514	509	2	3	1,346,926	
5	Machine shops.	24	498	20	43	19	18	308	De	349	Mh	279	352	337	1	14	1,181,303	
6	Fur goods.	3	20	1				19	No	29	Jy	3	29	8	21		31,800	
7	Furniture.	12	235	12	20	12	12	179				183	166	13	4		470,988	
8	Wood and metal furniture.	6	202	7	16	10	10	159	Je	174	Ap	148	161	147	13	1	408,838	
9	Store and office fixtures.	6	33	5	4	2	2	20	Fe	24	Se	16	22	19		3	62,150	
10	Glass, cutting, staining, and ornamenting.	5	19	7	1	1		10	Oc	13	Ja	5	11	11			49,298	
11	Hardware.	6	3,221		114	123	467	2,517	De	2,830	Ja	2,187	2,830	2,062	620	73	75	9,106,791
12	Ice, manufactured.	3	38	1	6	5	2	24	Jy	29	Ja	16	21	21				522,476
13	Iron and steel, welding.	4	15	2	3		2	8	Oc	10	Fe	6	9	9				9,785
14	Jewelry.	8	21	6	2		2	11	( <sup>1</sup> )	11	( <sup>1</sup> )	11	11	9	1	1		81,403
15	Liquors, malt.	3	121		16	9	3	93	Je	105	De	75	75	75				1,802,392
16	Lumber, planing-mill products, not including planing mills connected with sawmills.	19	225	19	21	9	13	163	No	180	Mh	130	179	174	4	1		777,746
17	Machine tools.	4	431		22	32	27	350	De	391	Au	321	391	381	9	1		2,215,654
18	Marble and stone work.	11	52	17	3	1		31	Au	35	Fe	24	31	31				99,803
19	Mattresses and spring beds, not elsewhere specified.	8	49	9	1		2	37	Jy	39	Fe	36	38	29	9			121,140
20	Millinery and lace goods, not elsewhere specified.	3	28	2	1		11	14	Se	18	Jy	10	12	1	11			12,749
21	Mineral and soda waters.	18	59	24	3	1	1	30	Au	38	Ja	24	30	30				187,602
22	Models and patterns, not including paper patterns.	4	23	6	1		1	15	Jy	20	Ja	10	21	21				16,070
23	Optical goods.	5	32	2	6	4	6	14	( <sup>1</sup> )	14	( <sup>1</sup> )	14	14	12		2		48,736
24	Paper and wood pulp.	3	262		7	8	9	238	Ja	261	My	223	229	221	8			2,382,775
25	Patent medicines and compounds.	5	16	4	2		1	9	De	38	Mh	3	39	32	7			173,191
26	Photo-engraving.	3	30	3	3	1	3	20	Mh	24	Ap	17	30	29	1			25,380
27	Printing and publishing, book and job.	47	656	36	52	57	72	439	De	490	Ja	410	488	343	119	24	2	1,551,879
28	Printing and publishing, newspapers and periodicals.	33	423	26	54	107	79	157					167	128	1	38		1,026,153
29	Printing, publishing, and job printing.	8	346	6	37	97	51	155	No	171	Ja	141	165	126	1	38		952,600
30	Publishing without printing.	25	77	20	17	10	28	2	( <sup>1</sup> )	2	( <sup>1</sup> )	2	2	2				73,553
31	Sausage, not made in slaughtering and meat-packing establishments.	5	53	6	1	2	2	42	Ja	46	My	40	44	41	3			99,086
32	Screws, machine.	3	345		11	14	6	314	Ja	345	Ap	290	335	287	39	8	1	1,081,271
33	Shirts.	3	32	5				27	De	63	Ja	0	62	43	2	17		20,078
34	Signs and advertising novelties.	20	48	20	6	5	1	16	Oc	25	Fe	11	25	13	8	1	3	237,357
35	Stereotyping and electrotyping.	3	88	1	6	2	4	75	Se	80	Ja	65	77	74	2	1		122,040
36	Structural ironwork, not made in steel works or rolling mills.	6	36	4	4	1	2	25	No	41	Mh	11	36	36				160,744
37	Surgical appliances.	3	58	2	3	2	4	47	De	65	Jy	39	65	4	59		2	98,996
38	Tobacco, cigars.	34	770	37	13	15	5	700	Oc	750	Jy	620	751	569	173	6	3	1,054,619
39	Tools, not elsewhere specified.	8	343	4	22	7	10	300	Oc	326	Ap	279	324	301	10	9	4	1,084,782
40	Wirework, not elsewhere specified.	4	225	2	8	7	8	200	De	235	Ap	173	235	185	27	19	4	456,511
41	Wood, turned and carved.	3	24	4	2		1	17	De	23	Ja	12	23	21	1	1		40,455
42	All other industries.	130	24,140	89	1,015	1,493	1,447	20,102					21,143	15,120	5,404	258	361	75,090,736

\*All other industries embrace—  
Aeroplanes, seaplanes, and airships,  
and parts. 1  
Ammunition. 1  
Bags, other than paper, not including  
bags made in textile mills. 1  
Belting, leather. 2  
Bluing. 1  
Boots and shoes, rubber. 1  
Boxes, set-up paper boxes and cartons. 4  
Boxes, wooden packing, except cigar  
boxes. 2  
Brick and fire-clay products. 2

Brushes. 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  
Cash registers and calculating ma-  
chines. 1  
Cheese. 1  
Cleansing and polishing preparations. 2  
Clocks. 1  
Coffins, burial cases, and undertakers'  
goods. 1  
Cooperage, hogsheds and barrels. 2

Dental goods. 3  
Druggists' preparations. 2  
Dyeing and finishing textiles, exclusive  
of that done in textile mills. 2  
Engines, steam, gas, and water. 2  
Engraving and diesinking. 2  
Firearms. 2  
Fireworks. 1  
Flour-mill and gristmill products. 1  
Galvanizing. 1  
Gas, illuminating and heating. 2  
Gloves and mittens, cloth, not includ-  
ing gloves made in textile mills. 1

Glucose and starch. 1  
Hand stamps. 1  
Hardware, saddlery. 2  
Hat and cap materials. 1  
Hats and caps, other than felt, straw,  
and wool. 8  
Hats, fur-felt. 2  
Horseshoes, not made in steel works or  
rolling mills. 1  
Iron and steel, bolts, nuts, washers, and  
rivets, not made in rolling mills. 1  
Iron and steel, forgings, not made in  
steel works or rolling mills. 3

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

<sup>2</sup> Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

<sup>3</sup> Same number reported for one or more other months.

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[illegible][illegible]

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



## MANUFACTURES—CONNECTICUT.

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

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

																		Dollars.
1	WATERBURY—All industries....	253	34,651	167	1,212	1,669	1,281	30,322	Ja 34,865	Ap 27,373	31,600	24,564	6,508	254	214			122,127,618
2	Automobile bodies and parts.....	3	23	2	2	1	18	18	My <sup>a</sup> 20	Fe 14	20	18	2					52,998
3	Automobile repairing.....	26	128	23	14	4	78	78	Au 89	Ja 63	86	86						204,045
4	Awnings, tents, and sails.....	4	12	4			7	7	Jy 11	Fe <sup>a</sup> 3	8	4	4					7,415
5	Brass, bronze, and copper products.....	21	20,305	1	568	1,108	620	18,008	Ja 23,364	My 15,377	18,003	15,476	2,504	19	4			84,450,330
6	Brass and bronze products.....	18	20,195	1	554	1,107	616	17,917	No <sup>a</sup> 104	Ap 67	17,899	15,374	2,502	19	4			83,882,468
7	Copper and all other products.....	3	110		14	1	4	91	No <sup>a</sup> 104	Ap 67	104	102	2					567,871
8	Bread and other bakery products.....	31	224	36	8	18	8	154	Au 160	Ja 143	149	131	18					329,627
9	Buttons.....	3	603		35	27	32	509	Se 545	Fe 468	509	249	221	13	26			1,624,876
10	Carriages and wagons, including repairs.....	3	22	1	5	3		13	Ap <sup>a</sup> 14	Ja 11	12	12						14,401
11	Confectionery and ice cream.....	8	52	7	4	3	2	36			33	30	3					159,052
12	Confectionery.....	3	6	2					Ja <sup>a</sup> 5	Jy 2	5	3	2					11,572
13	Ice cream.....	5	46	5	4	3	2	32	Au 42	Ja <sup>a</sup> 27	28	27	1					147,480
14	Engraving and diesinking.....	3	3	3														3,600
15	Foundry and machine-shop products.....	24	2,262	4	95	62	57	2,044			2,223	2,171	42	10				7,776,460
16	Machine shops.....	20	979	4	48	38	30	859	De 927	Ja <sup>a</sup> 811	928	889	33	6				3,265,133
17	All other.....	4	1,283		47	24	27	1,185	No 1,300	Fe 1,086	1,295	1,282	9	4				4,611,827
18	Lumber, planing-mill products, not including planing mills connected with sawmills.....	4	101	1	11	4	4	81	Oc 90	Ap 70	87	86	1					289,029
19	Mineral and carbonated waters.....	10	48	6	8	3	5	26	Jy 34	Ja <sup>a</sup> 18	27	24		3				211,979
20	Models and patterns, not including paper patterns.....	4	17	3	3	1		10	De 21	Fe <sup>a</sup> 6	21	21						17,931
21	Needles, pins, and hooks and eyes.....	6	1,068		126	80	123	1,639	De 1,827	Ja 1,494	1,827	1,199	606	8	14			4,535,118
22	Printing and publishing, book and job.....	17	80	22	5	1	4	48	Se 54	Ja 41	49	39	3	5	2			107,192
23	Printing and publishing, newspapers and periodicals.....	4	173	2	16	59	30	66	De 74	Fe 60	74	73	1					549,121
24	Sausage, not made in slaughtering and meat-packing establishments.....	3	23	2	3	1	1	16	No 19	Mh <sup>a</sup> 14	17	17						91,882
25	Stamped ware, not elsewhere specified.....	5	758	3	39	30	25	661	Ja 769	Au 601	669	411	245	6	7			2,444,707
26	Tobacco, cigars.....	11	43	12	1			30	Ja 34	Jy <sup>a</sup> 26	33	30	3					21,793
27	Tools, machinists'.....	3	14	2	2	1	1	8	Fe <sup>a</sup> 10	Je 6	14	8	6					37,525
28	All other industries *.....	60	7,792	33	267	264	358	6,870			7,730	4,479	2,909	190	161			19,199,028

\*All other industries embrace—  
Belting, leather.....  
Bookbinding and blank-book making.....  
Boxes, set-up paper boxes.....  
Brushes.....  
Cars and general shop construction and repairs by electric-railroad companies.....

Cars and general shop construction and repairs by steam-railroad companies.....  
Cheese.....  
Cleansing preparations.....  
Cloaks.....  
Clothing, women's, suits, skirts, and cloaks.....

Cooperage, hogsheds and barrels....  
Copper, tin, and sheet-iron work....  
Cutlery and edge tools.....  
Electrical machinery, apparatus, and supplies.....  
Fancy articles, metal novelties.....  
Flour-mill and gristmill products....

Food preparations, macaroni, vermicelli, and noodles.....  
Fur goods.....  
Gas, illuminating and heating.....  
Hardware.....  
Hats, fur-felt.....  
Instruments, professional and scientific.....

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

1	ANSONIA.....	50	6,837	45	199	319	181	6,102	De 6,978	Mh 5,418	6,989	6,126	800	21	42		22,882,934
2	BRISTOL.....	68	8,487	55	234	327	279	7,592	De 8,275	Ja 6,686	8,199	6,773	1,283	65	78		30,354,716
3	DANBURY.....	108	5,539	95	181	128	102	5,033	De 5,816	Ja 4,299	5,819	4,068	1,640	59	46		15,103,124
4	DERBY.....	46	1,857	35	92	102	61	1,567	Fe 1,628	Se 1,484	1,613	1,281	302	10	20		8,844,924
5	MERIDEN.....	162	10,338	119	364	597	464	8,794	De 9,373	Ja 7,682	9,381	6,987	2,171	115	108		28,404,208
6	MIDDLETOWN.....	88	4,481	67	172	140	117	3,985	De 4,330	Fe 3,635	4,353	2,587	1,638	46	82		20,440,831
7	NAUGATUCK.....	27	5,634	13	251	176	164	5,080	No 5,232	My 4,841	5,146	3,457	1,569	74	46		29,994,169
8	NEW LONDON.....	91	2,658	88	118	100	113	2,241	De 2,531	Ja 1,698	2,531	1,645	853	18	15		9,719,232
9	NORWALK.....	132	6,579	102	255	373	216	5,638	De 6,315	Ja 5,134	6,328	3,793	2,267	150	118		17,526,428
10	NORWICH.....	121	5,529	88	153	120	150	5,018	De 5,516	Ja 4,110	5,617	3,987	1,436	109	85		21,364,676
11	STAMFORD.....	116	9,120	105	221	430	425	7,939	De 9,088	My 7,253	9,095	7,535	1,416	88	56		35,837,868
12	TORRINGTON.....	63	7,251	47	197	242	157	6,608	No 7,119	My 6,193	7,073	5,509	1,255	131	88		20,851,853
13	WILLIMANTIC.....	43	4,330	40	148	277	240	3,625	De 3,860	My 3,454	3,848	1,915	1,785	70	78		20,556,491

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

<sup>2</sup> Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-hait or transmitted power from neighboring power plants).



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EXPENSES.								Value of products.	Value added by manufac- ture.	POWER.					
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.					Elec- tric horse- power gener- ated in estab- lish- ments report- ing.
Officials.	Clerks, etc.	Wage earners.		For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.			Fuel and rent of power.	Total.	Owned.			

[illegible]

Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	2	1	1	1	2
Iron and steel, forgings, not made in steel works or rolling mills	2	1	1	1	1
Iron and steel, welding	2	1	1	1	1
Jewelry	1	1	1	1	2
Lamps	1	1	1	1	1
Lapidary work	1	1	1	1	1
Liquors, malt	1	1	1	1	1
Marble and stone work	1	1	1	1	1
Mattresses and spring beds, not elsewhere specified	1	1	1	1	1
Patent and proprietary medicines	1	1	1	1	1
Plated ware, knives, forks, spoons, and other flat ware	1	1	1	1	1
Plumbers' supplies, not elsewhere specified	1	1	1	1	1
Pumps, not including power pumps	1	1	1	1	1
Rubber tires, tubes, and rubber goods, not elsewhere specified	1	1	1	1	1
Smelting and refining, not from the ore	1	1	1	1	1
Stoneware goods, not elsewhere specified	1	1	1	1	1
Structural ironwork, not made in steel works or rolling mills	1	1	1	1	1
Sulphuric, nitric, and mixed acids	1	1	1	1	1
Suspenders, garters, and elastic woven goods	1	1	1	1	1
Watch materials, except watchcases	1	1	1	1	1
Watches	1	1	1	1	1

934,795	797,582	7,809,435	3,251	20,871	2,350,932	32,529,837	952,092	47,736,411	14,254,482	19,849	5,450	3,375	.....	737	10,287	6,309	1
713,099	650,333	9,049,003	10,828	5,455	1,066,924	12,226,973	760,626	30,689,970	17,702,371	18,013	3,450	50	206	145	14,162	1,668	2
928,443	448,997	5,488,984	3,873	44,955	473,829	13,783,812	422,146	25,744,905	11,538,947	7,609	3,720	30	.....	310	3,609	708	3
427,806	223,923	1,030,003	5,309	16,782	515,948	4,193,062	129,003	10,380,153	6,064,083	3,624	3,50	.....	.....	215	3,059	425	4
1,088,941	1,276,782	9,114,887	98,949	64,639	918,548	15,015,881	695,521	34,261,304	18,609,902	11,362	4,913	.....	196	435	5,818	2,362	5
537,943	453,357	3,928,474	45,184	42,262	1,380,090	10,314,576	492,371	18,158,983	7,352,036	6,853	2,837	70	107	478	3,461	581	6
523,088	328,924	5,172,456	.....	9,899	790,708	8,892,663	415,611	19,983,338	10,685,064	11,562	5,433	1,150	.....	808	4,171	3,900	7
394,740	218,003	2,371,980	8,419	40,804	216,547	5,092,413	244,886	10,274,112	4,936,813	6,329	2,060	210	22	.....	4,037	86	8
1,145,676	884,077	5,446,296	44,194	60,419	613,703	12,626,960	346,030	25,518,505	12,545,515	6,369	3,186	78	57	280	2,759	817	9
743,223	323,124	5,242,935	542,463	43,960	948,008	14,563,692	603,504	28,625,546	13,458,350	17,092	5,925	520	20	3,971	6,656	1,743	10
1,112,000	1,096,223	9,410,797	167	62,036	1,437,633	19,325,959	780,255	39,121,461	19,015,237	18,544	3,820	3,365	877	.....	10,482	3,181	11
797,099	585,441	7,175,297	7,169	7,685	1,125,277	15,351,265	916,778	29,240,854	12,973,823	17,920	6,027	8,660	27	130	3,136	7,149	12
574,070	755,274	3,485,730	258,278	28,823	1,739,231	11,009,525	209,704	22,986,585	11,167,356	11,495	5,592	2,000	2	3,206	695	1,958	13

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# DELAWARE.

## GENERAL STATISTICS.

**General character of the state.**—Delaware is one of the original thirteen states. Its gross area is 2,370 square miles, of which 1,965 represent land surface. The inhabitants of the state in 1900 numbered 184,735; in 1910, 202,322; and in 1920, 223,003. Delaware ranked forty-sixth in population and forty-seventh in area among the states in 1920, and, with 113.5 inhabitants per square mile, tenth in density of population. The Delaware River and Atlantic Ocean, which form the eastern boundary of the state, afford excellent shipping facilities. In addition, the canal connections with Chesapeake Bay are an important factor in the transportation system of the state.

In 1920 Wilmington was the only city in the state having more than 10,000 inhabitants. The population of this city in 1920 was 110,168, 49.4 per cent of the total for the state, while of the value of manufactured products in 1919, 73.3 per cent was reported by the city.

**Importance and growth of manufactures** (Table 1).—The abnormal increases in wages, cost of materials, and value of products being largely due to a change in industrial conditions produced by the World War, the statistics for these items presented in Table 1 can not be used to measure the growth of manufactures between the industrial censuses 1914 and 1919. However, a comparison of the number of persons engaged and the horsepower used in 1919 and 1914 shows a considerable increase in the manufacturing activities of the state. The addition of the Federal income tax since 1914 will account for the great increase shown in "Rent and taxes."

**Statistics for the state, by counties** (Table 2).—Figures are not available for a comparison of county totals for other censuses with those for 1919. The statistics for this census, however, emphasize the importance of New Castle County, which reported 88.7 per cent of the total number of wage earners and 92.2 per cent of the total value of products for the state. Wilmington, the only city in Delaware with a population of more than 10,000, is located in this county.

**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 slaughtering and meat-packing industry, for instance, which ranked eighth in value of products, ranked seven-

teenth in number of wage earners and fifteenth 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 27.

**Average number of wage earners for selected industries** (Table 5).—The industries covered by this table are those which employed 100 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 Wilmington** (Table 6).—The proportion which females 16 years of age and over formed of the total number of wage earners in 1919 was less for Wilmington (12.7 per cent) than for the state (14.8 per cent). This was due to the fruit and vegetable canneries, which employed a large number of females, being located outside the city.

**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 conditions as they existed during the several census years. The variation in the number employed in August, September, and October is due to the seasonal character of the canning industry, which is important in the state.

**Wage earners, by months, for selected industries and Wilmington** (Table 8).—In addition to the number employed by months, similar data are given for males and females for all industries combined and for Wilmington, the only city in the state of 10,000 inhabitants or more, in 1920. The table also shows the number of female wage earners for industries in the state in which females predominated or which employed a large number of females.

**Prevailing hours of labor** (Table 9).—Since 1914 there has been a marked shortening of the working day in Delaware. In that year only 5.7 per cent of the wage earners were included in the group "48 and under," as against 55.5 per cent in 1919. On the other

hand, in 1914 the "60" and "Over 60" groups constituted 19.9 per cent of the total wage earners, as against 12.4 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries (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, 93 per cent were in the several classes having less than 101 wage earners, while such establishments employed but 22.5 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 one group 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 Wilmington (Table 13).—This table very strikingly illustrates the fact that the number of establishments of itself is no real index of manufacturing activities.

Character of ownership (Table 14).—The marked tendency toward the corporate form of ownership in

the state and Wilmington is shown in this table by the increased proportions which the average number of wage earners and value of products reported by this group formed of the total.

Manufactures in cities of 10,000 inhabitants or more (Table 15).—This table shows the increasing importance of the manufactures in Wilmington in 1919 as compared with prior censuses.

Principal industries in Wilmington, with per cent of total for the state (Table 16).—This table includes all industries in Wilmington having products of \$500,000 and over for which figures 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 city from that given in the detailed state table.

Number and horsepower of types of prime movers (Table 17).—The continued decrease in the proportion of owned horsepower and increase in that of rented (electric) power is noticeable. Although each kind of power shows an increase from 1914 to 1919, that for owned was 20.5 per cent, as compared with 97.8 per cent for rented.

Fuel consumed (Table 18).—This table shows the total quantities of the principal kinds of fuel used by manufacturing plants in the state in 1919 and 1914 and the city of Wilmington in 1919. It also 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. <sup>1</sup>			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	668	808	726	631	633	-17.3	11.3	15.1	-0.3
Persons engaged.....	32,972	25,533	23,981	20,507	( <sup>2</sup> )	29.1	6.5	16.6	.....
Proprietors and firm members.....	593	735	722	611	( <sup>2</sup> )	-19.3	1.8	12.6	.....
Salaries and wages.....	3,844	2,643	2,024	1,451	1,189	26.5	30.6	39.5	22.0
Wage earners (average number).....	29,035	22,155	21,238	18,475	20,562	31.1	4.3	15.0	-10.1
Primary horsepower.....	85,150	64,403	52,779	49,490	40,131	32.2	22.0	6.6	23.3
Capital.....	\$148,207,598	\$69,323,927	\$60,905,671	\$50,925,630	\$38,791,402	113.8	13.8	19.6	31.3
Salaries and wages.....	44,974,387	14,781,728	12,617,925	9,787,451	9,793,966	204.3	17.1	28.9	-0.1
Salaries.....	7,709,068	3,399,568	2,322,329	1,629,251	1,336,963	126.8	46.4	42.5	21.9
Wages.....	37,265,319	11,382,160	10,295,596	8,158,203	8,457,003	227.4	10.6	26.2	-3.5
Paid for contract work.....	321,714	113,869	95,087	128,256	( <sup>2</sup> )	185.2	19.8	-25.9	.....
Rent and taxes.....	7,735,597	702,252	438,203	207,486	( <sup>2</sup> )	1,001.5	60.3	.....	.....
Cost of materials.....	85,432,333	31,649,265	30,937,801	24,883,806	24,725,317	169.9	2.3	24.3	0.6
Value of products.....	165,073,039	59,031,966	52,839,619	41,160,276	41,321,061	191.6	6.0	28.4	-0.4
Value added by manufacture.....	79,640,076	24,885,701	21,901,818	16,276,470	16,595,744	226.6	11.3	34.6	-1.9

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

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

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

<sup>4</sup> Value of products less cost of materials.

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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 horse-power.
		Average number.	Wages.					
The state.....	668	29,035	\$37,265,319	\$7,735,597	\$85,432,933	\$165,073,009	\$79,640,076	85,150
Kent.....	108	1,043	808,163	87,239	3,281,326	5,086,966	1,805,640	3,264
New Castle.....	357	25,751	35,019,339	7,558,541	77,725,287	152,272,331	74,547,044	74,818
Sussex.....	203	2,241	1,437,817	89,817	4,426,320	7,713,712	3,287,392	7,068

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

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		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.			Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries.....	668	29,035	100.0	\$165,073	100.0	\$79,640	100.0	Printing and publishing, newspapers and periodicals.....	33	281	1.0	\$1,081	0.6	\$796	1.0
Leather, tanned, curried, and finished.....	18	4,251	14.6	50,138	30.4	21,797	27.4	Gas, illuminating and heating.....	7	145	0.5	1,053	0.6	604	0.8
Pulp goods.....	10	1,485	5.1	9,385	5.7	5,540	7.0	Pickles, preserves, and sauces.....	8	149	0.5	879	0.5	494	0.6
Cars and general shop construction and repairs by steam-railroad companies.....	5	3,223	11.1	7,687	4.6	4,771	6.0	Furnishing goods, men's.....	7	166	0.6	849	0.5	302	0.4
Iron and steel, steel works and rolling mills.....	6	1,009	3.5	7,115	4.3	3,283	4.1	Liquors, malt.....	4	96	0.3	813	0.5	586	0.7
Canning and preserving, fruits and vegetables.....	70	1,310	4.5	4,705	2.9	1,468	1.8	Confectionery and ice cream.....	24	98	0.3	666	0.4	236	0.3
Paper and wood pulp.....	5	682	2.4	4,573	2.8	1,344	1.7	Ice, manufactured.....	17	131	0.5	660	0.4	380	0.5
Foundry and machine-shop products.....	17	878	3.0	3,930	2.4	2,285	2.9	Fertilizers.....	7	41	0.1	630	0.4	120	0.2
Slaughtering and meat packing.....	15	117	0.4	3,285	2.0	426	0.5	Butter.....	6	32	0.1	570	0.3	54	0.1
Bread and other bakery products.....	47	312	1.1	2,504	1.5	887	1.1	Oil, not elsewhere specified.....	3	106	0.4	531	0.3	156	0.2
Flour-mill and gristmill products.....	56	95	0.3	2,056	1.2	390	0.5	Boxes, wooden packing, except cigar boxes.....	7	230	0.8	441	0.3	276	0.3
Tobacco, cigars.....	11	303	1.0	1,101	0.7	564	0.7	Printing and publishing, book and job.....	23	89	0.3	353	0.2	220	0.3
Lumber and timber products.....	75	420	1.5	1,091	0.7	625	0.8	Copper, tin, and sheet-iron work.....	11	62	0.2	255	0.2	161	0.2
								All other industries*.....	176	13,323	45.9	58,722	35.6	31,905	40.0

\*Among the industries for which statistics can not be shown separately without the possibility of disclosing individual operations 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: Belting and hose, rubber, cars, steam-railroad, not including the operations of railroad companies; dyeing and finishing textiles; machine tools; paints; plumbers' supplies; shipbuilding, steel; steam fittings and steam and hot-water heating apparatus; sulphuric, nitric, and mixed acids; and tobacco, snuff.

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

CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.	
					Male.	Fe- male.						Male.	Fe- male.
All classes.....	1919	32,972	27,820	5,152	84.4	15.6	Clerks and other subordinates salaried employees.	1919	2,196	1,388	808	63.2	36.8
	1914	25,533	20,813	4,720	81.5	18.5		1914	1,845	1,399	446	75.8	24.2
	1909	23,984	19,972	4,012	83.3	16.7		1909	1,358	1,111	247	81.8	18.2
Proprietors and officials.....	1919	1,741	1,688	53	97.0	3.0	Wage earners (average number).....	1919	29,035	24,744	4,291	85.2	14.8
	1914	1,533	1,493	40	97.4	2.6		1914	22,155	17,921	4,234	80.9	19.1
	1909	1,388	1,356	32	97.7	2.3		1909	21,238	17,505	3,733	82.4	17.6
Proprietors and firm members....	1919	593	577	16	97.3	2.7	16 years of age and over.....	1919	28,781	24,626	4,155	85.6	14.4
	1914	735	711	24	96.7	3.3		1914	21,776	17,744	4,032	81.5	18.5
	1909	722	701	21	97.1	2.9		1909	20,709	17,205	3,504	83.1	16.9
Salaried officers of corporations...	1919	325	312	13	96.0	4.0	Under 16 years of age.....	1919	254	118	136	46.5	53.5
	1914	311	300	11	96.5	3.5		1914	379	177	202	46.7	53.3
	1909	240	235	5	97.9	2.1		1909	529	300	229	56.7	43.3
Superintendents and managers...	1919	823	799	24	97.1	2.9							
	1914	487	482	5	99.0	1.0							
	1909	426	420	6	98.6	1.4							

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

INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.			INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.		
			16 years of age and over.		Un- der 16 years of age.				16 years of age and over.		Un- der 16 years of age.
			Male.	Female.					Male.	Female.	
All industries.....	1919	29,035	84.8	14.3	0.9	Leather, tanned, curried, and finished.....	1919	4,251	70.7	27.9	1.3
	1914	22,155	80.1	18.2	1.7		1914	2,382	72.1	27.5	0.5
	1909	21,238	81.0	16.5	2.5	Lumber and timber products.....	1919	420	99.5	.....	0.5
Boxes, wooden packing, except cigar boxes..	1919	230	98.3	1.7	.....		1914	442	100.0	.....	.....
	1914	295	97.3	2.7	.....	Oil, not elsewhere specified.....	1919	106	100.0	.....	.....
Bread and other bakery products.....	1919	312	83.0	15.1	1.9		1914	138	100.0	.....	.....
	1914	257	85.6	13.2	1.2	Paper and wood pulp.....	1919	683	91.2	8.8	.....
Canning and preserving, fruits and vege- tables.	1919	1,310	44.8	55.0	0.2		1914	591	88.2	11.7	0.2
	1914	1,800	33.7	59.2	7.1	Pickles, preserves, and sauces.....	1919	140	54.4	45.6	.....
Cars and general shop construction and re- pairs by steam-railroad companies.	1919	3,223	96.4	3.4	0.2		1914	28	78.6	21.4	.....
	1914	2,059	100.0	.....	.....	Printing and publishing, newspapers and periodicals.	1919	281	81.9	16.7	1.4
Foundry and machine-shop products.....	1919	878	97.4	2.4	0.2		1914	238	85.7	11.8	2.5
	1914	1,888	98.2	0.7	1.1	Pulp goods.....	1919	1,485	90.4	9.2	0.5
Furnishing goods, men's.....	1919	166	11.4	76.5	12.0		1914	892	98.3	1.7	.....
	1914	234	10.3	84.9	0.8	Slaughtering and meat packing.....	1919	117	96.6	3.4	.....
Gas, illuminating and heating.....	1919	145	99.3	0.7	.....		1914	125	100.0	.....	.....
	1914	125	100.0	.....	.....	Tobacco, cigars.....	1919	303	10.9	77.2	11.9
Ice, manufactured.....	1919	131	100.0	.....	.....		1914	432	16.4	79.4	4.2
	1914	151	99.3	0.7	.....	All other industries.....	1919	13,836	89.2	10.0	0.8
Iron and steel, steel works and rolling mills..	1919	1,009	100.0	.....	.....		1914	9,260	80.8	17.1	2.0
	1914	818	99.9	.....	0.1						

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS, FOR WILMINGTON: 1919, 1914, AND 1909.

	1919	1914	1909
Wage earners (average number).....	21,420	15,048	14,063
16 years of age and over.....	21,184	14,822	14,469
Males.....	18,472	12,399	12,463
Females.....	2,712	2,423	2,006
Under 16 years of age.....	230	226	194
Value of products.....	\$121,039,617	\$39,402,563	\$38,669,383

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

MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.			MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	28,236	21,465	19,220	84.4	75.7	72.9	July.....	28,124	21,418	19,572	84.1	75.5	74.2
February.....	26,898	21,304	19,470	80.4	75.1	73.8	August.....	32,821	24,134	24,331	98.2	85.1	92.2
March.....	<i>26,399</i>	21,861	18,168	76.0	77.1	72.7	September.....	<b>33,438</b>	<b>28,364</b>	<b>26,376</b>	100.0	100.0	100.0
April.....	25,728	21,776	19,366	76.9	76.8	73.4	October.....	32,185	23,667	23,023	96.3	83.4	89.6
May.....	27,117	21,908	19,237	81.1	77.2	72.9	November.....	29,715	18,922	21,557	88.9	66.7	81.7
June.....	28,806	22,834	20,480	85.1	80.5	77.6	December.....	29,953	18,187	22,452	89.6	64.1	85.1

<sup>1</sup> 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 WILMINGTON: 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.	Aver- age num- ber em- ployed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent mini- mum is of maxi- mum.
		Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Sep- tember.	Octo- ber.	Novem- ber.	Decem- ber.	
All industries.....	29,035	28,236	26,898	<i>25,399</i>	25,728	27,117	28,806	28,124	32,821	33,438	32,185	29,715	29,953	76.0
Males.....	24,744	24,827	23,654	<i>22,288</i>	22,566	23,592	24,544	24,221	26,634	26,652	26,513	25,528	25,909	83.0
Females.....	4,291	3,409	3,244	<i>3,111</i>	3,162	3,525	4,262	3,903	6,187	6,786	5,672	4,187	4,044	45.8
Boxes, wooden packing, except cigar boxes.....	230	239	239	252	254	239	224	235	229	194	198	213	244	76.4
Bread and other bakery products.....	312	312	300	309	288	297	309	316	332	330	321	314	316	80.7
Canning and preserving, fruits and vegetables.....	1,310	377	303	<i>233</i>	262	346	1,880	383	3,924	4,324	2,786	613	259	15.4
Cars and general shop construction and repairs by steam-railroad companies.....	3,223	3,352	3,134	<i>2,384</i>	2,923	3,048	2,960	3,203	3,184	3,416	3,520	3,451	3,601	80.1
Foundry and machine-shop products.....	878	841	809	784	775	791	771	806	890	931	1,010	1,022	1,106	69.7
Furnishing goods, men's.....	166	160	160	167	178	185	168	160	166	156	157	172	183	81.1
Gas, illuminating and heating.....	145	135	142	141	150	153	143	159	160	137	150	149	141	83.1
Ice, manufactured.....	131	75	76	76	118	153	178	202	213	176	135	90	80	35.2
Iron and steel, steel works and rolling mills.....	1,009	1,746	1,478	<i>1,025</i>	725	768	664	834	835	975	1,075	993	1,090	32.8

<sup>1</sup> Seasonal industry.

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**TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND WILMINGTON: 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.												Percent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Leather, tanned, curried, and finished.....	4,251	2,681	<b>2,590</b>	2,526	3,093	3,573	4,297	5,023	5,328	<b>5,566</b>	5,494	5,540	5,501	42.9
Lumber and timber products.....	420	423	479	559	431	374	317	331	344	323	410	471	573	55.3
Oil, not elsewhere specified.....	105	<i>6</i>	<i>5</i>	<i>5</i>	<i>6</i>	<i>6</i>	206	208	208	205	205	207	<i>6</i>	2.4
Paper and wood pulp.....	683	705	675	691	692	669	<i>650</i>	655	663	707	708	718	663	90.5
Pickles, preserves, and sauces.....	149	78	57	45	65	148	194	196	141	416	324	52	62	18.9
Printing and publishing, newspapers and periodicals.....	281	<i>264</i>	268	276	281	284	277	278	279	289	290	293	293	90.1
Pulp goods.....	1,485	1,403	1,401	<b>1,388</b>	1,388	1,423	1,441	1,449	1,502	1,533	1,592	1,634	1,668	83.1
Slaughtering and meat packing.....	117	116	114	112	107	<i>99</i>	104	116	121	115	122	139	139	71.2
Tobacco, cigars.....	303	278	302	295	285	276	<i>213</i>	311	326	320	336	340	354	60.2
All other industries.....	13,836	<b>15,056</b>	14,596	13,633	13,707	14,305	13,910	<b>15,259</b>	13,976	13,320	13,352	13,274	13,644	88.1
<i>Industries showing large proportion of females.</i>														
Canning and preserving, fruits and vegetables.....	722	184	151	<i>86</i>	<i>86</i>	126	724	108	2,314	<b>2,744</b>	1,741	293	107	13.1
Furnishing goods, men's.....	142	<i>124</i>	126	143	155	162	145	137	143	133	134	149	153	76.5
Leather, tanned, curried, and finished.....	1,212	853	737	767	889	1,060	1,234	1,383	1,446	1,524	1,538	1,558	1,557	47.3
Pulp goods.....	138	141	141	136	131	136	137	133	132	140	140	145	144	90.3
Tobacco, cigars.....	270	246	268	261	254	246	185	279	293	286	298	306	318	58.2
WILMINGTON.....	21,420	21,167	20,217	<b>19,480</b>	20,090	21,255	21,266	21,729	<b>22,619</b>	22,350	22,297	22,094	22,536	85.9
Males.....	18,683	18,649	17,822	<b>17,105</b>	17,685	18,588	18,405	18,670	19,457	19,164	19,175	18,911	19,305	87.9
Females.....	2,837	2,518	2,395	<b>2,375</b>	2,405	2,667	2,861	3,059	3,162	3,186	3,122	3,183	3,231	71.6

¹ Seasonal industry.

**TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND WILMINGTON: 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	29,035	8,288	1,803	5,968	3,214	3,842	2,274	2,490	1,096
	1914	22,155	(²)	(²)	1,283	2,050	8,444	6,090	4,033	365
	1909	21,238	(²)	(²)	960	736	6,965	5,855	5,824	958
Boxes, wooden packing, except cigar boxes.....	1919	230				12	122	55	41	
	1914	295				4	22	216	53	
Bread and other bakery products.....	1919	312	8	2	26	135	37	9	91	4
	1914	257	(²)	(²)	13	6	59	15	142	22
Canning and preserving, fruits and vegetables.....	1919	1,310	104	12	51	14	24	420	685	
	1914	1,800	(²)	(²)	166	90	256	268	991	29
Cars and general shop construction and repairs by steam-railroad companies.....	1919	3,223			2,916			307		
	1914	2,059	(²)	(²)	38		2,021			
Foundry and machine-shop products.....	1919	878	5		99	375	372	5	22	
	1914	1,888	(²)	(²)	341	80	1,421	43	3	
Furnishing goods, men's.....	1919	166	11			155				
	1914	234						234		
Gas, illuminating and heating.....	1919	145			1			130	8	6
	1914	125	(²)	(²)	1		3		118	3
Ice, manufactured.....	1919	131			4		8	71	4	44
	1914	151							24	127
Iron and steel, steel works and rolling mills.....	1919	1,009				295		270		444
	1914	818	(²)	(²)	337	242		239		
Leather, tanned, curried, and finished.....	1919	4,251	1,468	1,779	800	143		61		
	1914	2,382				1,093	36	324	929	
Lumber and timber products.....	1919	420	7	3	7	7	134	80	182	
	1914	442	(²)	(²)	12	59	41	182	148	
Oil, not elsewhere specified.....	1919	106	6						100	
	1914	135				4	1		133	
Paper and wood pulp.....	1919	683			100			2		581
	1914	591						3	474	114
Pickles, preserves, and sauces.....	1919	149	10		4	12		8	115	
	1914	28							28	
Printing and publishing, newspapers and periodicals.....	1919	281	4		256	6	6	8	1	
	1914	238	(²)	(²)	120	77	15	21	5	
Pulp goods.....	1919	1,485				369	934	182		
	1914	892					299	474	119	
Slaughtering and meat packing.....	1919	117	4			42	3	60	4	4
	1914	125					4	46	71	4
Tobacco, cigars.....	1919	303	3	19	9		73	199		
	1914	432	(²)	(²)	15	107	71	237	2	
All other industries.....	1919	13,836	6,658	48	1,695	1,649	2,129	407	1,237	13
	1914	9,260	(²)	(²)	220	288	4,195	3,698	793	66
WILMINGTON.....	1919	21,420	7,897	1,820	5,501	1,245	2,434	1,016	1,016	461
	1914	15,043	(²)	(²)	882	1,445	7,311	3,432	1,855	123

¹ Includes 48 and under for 1914 and 1909.

² Corresponding figures not available.

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TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND WILMINGTON: 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.	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.....	668	29,035	67	338	776	126	1,458	58	1,882	32	2,404	29	4,416	8	2,524	5	3,410	5	12,165
Boxes, wooden packing, except cigar boxes.....	7	239		1	1	1	12	3	95	2	122								
Bread and other bakery products.....	47	312	8	31	66	4	34	2	61	2	151								
Canning and preserving, fruits and vegetables.....	70	1,310	1	18	65	39	519	7	187	3	217	2	322						
Cars and general shop construction and repairs by steam-railroad companies.....	5	3,223						2	83	1	58	1	167					1	2,915
Foundry and machine-shop products.....	17	878	2	6	19	2	33	1	25	4	265	1	215	1	321				
Furnishing goods, men's.....	7	166				3	38	3	76	1	52								
Gas, illuminating and heating.....	7	145		5	9	1	6					1	130						
Ice, manufactured.....	17	131		14	37	2	24			1	70								
Iron and steel, steel works and rolling mills.....	6	1,009						1	40	1	80	3	445	1	444				
Leather, tanned, curried, and finished.....	18	4,251				3	25	4	139	6	476	1	108	1	377	2	1,347	1	1,779
Lumber and timber products.....	75	420	1	57	95	14	147	2	48			1	130						
Oil, not elsewhere specified.....	3	106		2	6														
Paper and wood pulp.....	5	683		1	2					1	100								
Pickles, preserves, and sauces.....	8	149		4	12	3	27			1	100	2	297	1	284				
												1	110						
Printing and publishing, newspapers and periodicals.....	33	281	8	16	39	4	29	4	153	1	60								
Pulp goods.....	10	1,485				3	46												
Slaughtering and meat packing.....	15	117	1	12	25			1	33	1	59	5	893	2	546				
Tobacco, cigars.....	11	303	3	5	12	1	19												
All other industries.....	307	13,836	43	166	388	46	499	28	942	6	521	10	1,400	2	552	3	2,063	3	7,471
WILMINGTON.....	262	21,420	24	125	322	40	453	24	824	22	1,610	13	1,915	5	1,533	4	2,598	5	12,165

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.....	668	808	726	29,035	22,155	21,238	\$165,073,009	\$56,034,966	\$52,839,619	\$79,640,076	\$24,385,701	\$21,901,818
Less than \$5,000.....	123	251	213	125	462	479	333,100	610,251	559,530	185,821	367,387	335,302
\$5,000 to \$20,000.....	228	298	258	736	1,782	1,901	2,472,718	2,961,338	2,748,180	1,158,042	1,358,353	1,346,466
\$20,000 to \$100,000.....	183	170	170	1,902	2,910	3,298	8,099,775	7,000,219	6,981,337	3,175,441	2,545,859	2,674,038
\$100,000 to \$500,000.....	78	65	78	3,475	9,953	8,566	17,672,745	16,345,022	25,657,769	8,004,438	12,071,786	10,076,057
\$500,000 to \$1,000,000.....	26	16		2,981			19,385,327	10,962,228	16,892,803	8,469,910	8,042,316	7,469,955
\$1,000,000 and over.....	30	8	7	19,813	7,048	6,094	117,109,344	18,155,908		58,645,824		
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.....	18.4	31.1	29.3	0.4	2.1	2.3	0.2	1.1	1.1	0.2	1.5	1.5
\$5,000 to \$20,000.....	34.1	36.9	35.5	2.5	8.0	9.0	1.5	5.3	5.2	1.5	5.6	6.1
\$20,000 to \$100,000.....	27.4	21.0	23.4	6.6	13.1	15.5	4.9	12.5	13.2	4.0	10.4	12.2
\$100,000 to \$500,000.....	11.7	8.0		12.0	44.9	40.3	10.7	29.2		10.1	49.5	46.0
\$500,000 to \$1,000,000.....	3.9	2.0	10.7	10.3			11.7	19.6	48.6	10.6		
\$1,000,000 and over.....	4.5	1.0	1.0	68.2	31.8	32.9	70.9	32.4	32.0	73.6	33.0	34.1



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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.....	47	67	100.0	100.0	312	257	100.0	100.0	\$2,504,100	\$953,936	100.0	100.0	\$887,086	\$332,413	100.0	100.0	
Less than \$5,000.....	5	22	10.6	32.8	.....	14	.....	5.4	8,134	54,434	0.3	5.7	2,828	22,832	0.3	6.9	
\$5,000 to \$20,000.....	23	32	48.9	47.8	36	90	11.5	35.0	298,575	276,212	11.9	29.0	105,100	108,748	11.8	32.7	
\$20,000 to \$100,000.....	15	13	31.9	19.4	64	153	20.5	59.5	573,459	1,023,290	22.9	65.3	231,725	1,200,833	26.1	60.4	
\$100,000 and over.....	4	.....	8.5	.....	212	.....	67.9	.....	1,623,932	.....	64.9	.....	517,433	.....	61.7	.....	
CANNING AND PRESERVING, FRUITS AND VEGETABLES...	70	94	100.0	100.0	1,310	1,800	100.0	100.0	4,705,378	3,161,348	100.0	100.0	1,468,179	919,251	100.0	100.0	
Less than \$5,000.....	8	5	11.4	5.3	25	9	1.9	0.5	21,324	10,365	0.5	0.3	2,758	3,001	0.2	0.3	
\$5,000 to \$20,000.....	23	43	32.9	45.7	197	383	15.0	21.3	272,057	535,832	5.8	16.9	56,765	130,213	3.9	14.2	
\$20,000 to \$100,000.....	29	42	41.4	44.7	461	868	35.2	48.2	1,329,227	1,634,527	28.2	51.7	359,611	471,030	26.5	51.2	
\$100,000 and over.....	10	4	14.3	4.3	627	540	47.9	30.0	3,082,770	983,624	65.5	31.1	1,024,561	315,007	69.8	34.3	
FLOUR-MILL AND GRISTMILL PRODUCTS.....	56	60	100.0	100.0	95	127	100.0	100.0	2,055,735	1,483,410	100.0	100.0	390,343	280,810	100.0	100.0	
Less than \$5,000.....	7	10	12.5	16.7	.....	4	.....	3.1	20,380	29,241	1.0	2.0	3,565	8,255	0.9	2.9	
\$5,000 to \$20,000.....	21	29	37.5	48.3	11	37	11.6	29.1	232,113	320,256	11.3	21.6	45,734	44,657	11.7	15.9	
\$20,000 to \$100,000.....	23	21	41.1	35.0	46	186	48.4	67.7	892,619	1,133,913	43.4	76.4	176,585	1,227,893	45.2	81.2	
\$100,000 to \$500,000.....	5	.....	8.9	.....	38	.....	40.0	.....	910,623	.....	44.3	.....	164,459	.....	42.1	.....	
FOUNDRY AND MACHINE-SHOP PRODUCTS.....	17	30	100.0	100.0	878	1,888	100.0	100.0	3,929,938	3,712,775	100.0	100.0	2,284,994	2,043,643	100.0	100.0	
Less than \$5,000.....	4	9	23.5	30.0	2	10	0.2	0.5	11,018	20,814	0.3	0.6	7,107	14,542	0.3	0.7	
\$5,000 to \$20,000.....	3	5	17.6	16.7	13	16	1.5	0.8	40,685	37,570	1.0	1.0	26,520	27,593	1.2	1.4	
\$20,000 to \$100,000.....	3	7	17.6	23.3	37	153	4.2	8.1	161,543	399,873	4.1	10.8	84,196	199,899	3.7	9.8	
\$100,000 and over.....	7	9	41.2	30.0	826	1,709	94.1	90.5	3,716,692	3,254,518	94.6	87.6	2,167,171	1,801,809	94.8	88.1	
LEATHER, TANNED, CURRIED, AND FINISHED.....	18	20	100.0	100.0	4,251	2,382	100.0	100.0	50,138,251	9,183,205	100.0	100.0	21,797,440	2,709,151	100.0	100.0	
\$20,000 to \$100,000.....	.....	3	.....	30.0	.....	68	.....	2.9	.....	234,912	.....	2.6	.....	85,671	.....	3.2	.....
\$100,000 to \$500,000.....	4	14	44.4	70.0	425	2,314	7.6	97.1	1,852,202	8,948,293	3.7	97.4	1,065,389	5,263,480	4.9	96.8	
\$500,000 to \$1,000,000.....	4	.....	22.2	.....	226	.....	5.3	.....	2,683,892	.....	5.4	.....	1,104,629	.....	5.1	.....	
\$1,000,000 and over.....	6	.....	33.3	.....	3,700	.....	87.1	.....	45,602,157	.....	91.0	.....	19,627,422	.....	90.0	.....	
LUMBER AND TIMBER PRODUCTS.....	75	73	100.0	100.0	420	442	100.0	100.0	1,091,240	445,889	100.0	100.0	624,887	272,682	100.0	100.0	
Less than \$5,000.....	28	47	37.3	64.4	28	153	6.7	34.6	75,230	106,819	6.9	24.0	49,654	74,400	7.9	27.3	
\$5,000 to \$20,000.....	32	21	42.7	28.8	81	181	19.3	41.0	252,491	167,934	23.1	37.7	162,941	111,572	26.1	40.9	
\$20,000 to \$100,000.....	15	5	20.0	6.8	311	108	74.0	24.4	763,519	171,136	70.0	38.4	412,292	86,710	66.0	31.8	
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.....	33	31	100.0	100.0	281	238	100.0	100.0	1,080,600	451,108	100.0	100.0	795,730	311,056	100.0	100.0	
Less than \$5,000.....	17	18	51.5	52.9	20	33	7.1	13.9	48,791	40,919	4.5	9.1	38,490	30,221	4.8	9.7	
\$5,000 to \$20,000.....	8	12	24.2	35.2	25	58	8.9	24.4	68,311	106,173	6.3	23.5	47,334	86,014	6.0	27.7	
\$20,000 to \$100,000.....	4	14	12.1	11.8	46	147	16.4	61.8	123,366	303,981	11.4	67.4	76,915	194,821	9.7	62.6	
\$100,000 to \$500,000.....	4	.....	12.1	.....	190	.....	67.6	.....	810,132	.....	77.7	.....	632,491	.....	79.5	.....	

<sup>1</sup> Includes the group "\$100,000 to \$500,000."  
<sup>2</sup> Loss.

<sup>3</sup> Includes the group "\$5,000 to \$20,000."

<sup>4</sup> Includes the groups "\$5,000 to \$20,000" and "\$20,000 to \$100,000."  
<sup>5</sup> Includes the groups "\$500,000 to \$1,000,000" and "\$1,000,000 and over."

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR WILMINGTON: 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.
<b>WILMINGTON.....</b>	262	21,420	100.0	\$121,039,617	100.0	\$80,552,173	100.0
Less than \$5,000.....	35	24	0.1	99,632	0.1	64,519	0.1
\$5,000 to \$20,000.....	76	187	0.9	866,353	0.7	459,219	0.8
\$20,000 to \$100,000.....	71	607	2.8	3,217,581	2.7	1,490,107	2.5
\$100,000 to \$500,000.....	44	2,096	9.8	11,527,656	9.5	5,745,278	9.5
\$500,000 to \$1,000,000.....	13	1,513	7.1	9,394,919	7.8	4,503,906	7.4
\$1,000,000 and over.....	20	16,993	79.3	95,933,446	79.3	48,266,144	79.7

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

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
					In establishments owned by—			Per cent of total.						Of establishments owned by—			Per cent of total.					
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total	Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Corpora- tions.	All oth- ers.				
All industries.....	1919	321	228	119	29,035	1,519	26,810	706	5.2	92.3	2.4	\$165,073,009	\$9,607,487	\$150,957,146	\$4,508,376	5.8	91.4	2.7				
	1914	439	240	129	22,155	2,274	18,298	1,583	10.3	82.6	7.1	56,034,966	5,525,459	45,743,406	4,766,101	9.9	81.6	8.5				
	1909	387	202	137	21,238	2,451	15,573	3,214	11.5	73.3	15.1	52,839,619	6,187,017	38,071,988	10,580,614	11.7	68.3	20.0				
Bread and other bakery products.	1919	37	5	5	312	85	219	8	27.2	70.2	2.6	2,504,100	671,914	1,687,262	144,924	26.8	67.4	5.8				
	1914	55	6	6	257	146	96	15	56.8	37.4	5.8	953,936	538,408	355,688	59,840	56.4	37.3	6.3				
Canning and preserving, fruits and vegetables.	1919	28	19	23	1,310	287	724	299	21.9	55.3	22.8	4,705,378	629,277	3,213,422	857,679	13.4	68.4	18.2				
	1914	34	27	33	1,800	377	1,010	413	26.9	56.1	22.9	3,164,348	632,961	1,825,402	705,985	20.0	57.7	22.3				
Flour-mill and gristmill products.	1919	39	4	13	95	44	29	22	46.3	30.5	23.2	2,055,735	1,079,019	426,592	426,592	52.5	26.8	20.8				
	1914	42	4	14	127	57	41	29	44.9	32.3	22.8	1,483,410	653,125	511,249	319,036	44.0	34.5	21.5				
Foundry and machine-shop products.	1919	5	12	-----	878	9	869	-----	1.0	99.0	-----	3,929,938	35,006	3,894,932	-----	0.9	99.1	-----				
	1914	10	19	1	1,888	13	1,875	-----	0.7	99.3	-----	3,712,775	25,814	3,686,961	-----	0.7	99.3	-----				
Leather, tanned, curried, and finished.	1919	-----	16	2	4,251	-----	4,251	-----	100.0	-----	-----	56,138,251	-----	56,138,251	-----	-----	100.0	-----				
	1914	3	13	4	2,382	201	1,570	611	8.4	65.9	25.7	9,183,205	502,798	5,835,910	2,844,497	5.5	63.5	31.0				
Lumber and timber products.	1919	49	6	20	420	134	212	74	31.9	50.5	17.6	1,091,240	507,666	399,615	184,019	46.5	36.0	16.9				
	1914	54	2	17	442	288	-----	154	65.2	-----	34.8	445,889	286,917	-----	158,972	64.3	-----	35.7				
Printing and publishing, newspapers and periodicals.	1919	14	13	6	281	37	239	5	13.2	85.1	1.8	1,080,600	102,864	950,185	27,551	9.5	87.9	2.5				
	1914	20	11	3	238	47	185	6	19.7	77.7	2.5	451,108	77,748	365,376	7,984	17.2	81.0	1.8				
WILMINGTON.....	1919	114	110	38	21,420	481	20,695	244	2.2	96.6	1.1	121,039,617	4,096,965	114,363,952	2,578,700	3.4	94.5	2.1				
	1914	160	129	30	15,048	911	13,397	740	6.1	89.0	4.9	39,402,563	2,910,264	33,279,093	3,213,206	7.4	84.5	8.2				

<sup>1</sup> Includes the group "All others."<sup>2</sup> Includes the group "Corporations."

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

[Wilmington, only city in state having 10,000 inhabitants or more.]

	Census year.	Total.	LOCATION OF ESTABLISHMENTS.		PER CENT OF TOTAL.	
			Wilmington.	The state outside of Wilmington.	Wil- mington.	The state outside of Wil- mington.
Population <sup>1</sup> .....	1920	223,003	110,168	112,835	49.4	50.6
	1915	209,817	92,057	117,760	43.9	56.1
	1910	262,322	87,411	114,911	43.2	56.8
Number of establishments.....	1919	668	262	406	39.2	60.8
	1914	808	319	489	39.5	60.5
	1909	726	261	465	36.0	64.0
Average number of wage earners.....	1919	29,035	21,420	7,615	73.8	26.2
	1914	22,155	15,048	7,107	67.9	32.1
	1909	21,238	14,663	6,575	69.0	31.0
Value of products.....	1919	\$165,073,009	\$121,039,617	\$44,033,392	73.3	26.7
	1914	56,034,966	39,402,563	16,632,403	70.3	29.7
	1909	52,839,619	38,069,383	14,770,236	72.0	28.0
Value added by manufacture.....	1919	79,640,076	60,552,173	19,087,903	76.0	24.0
	1914	24,385,701	17,262,003	7,123,698	70.8	29.2
	1909	21,901,818	16,093,083	5,808,735	73.5	26.5

<sup>1</sup> 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 WILMINGTON (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 <sup>1</sup> over 1914.			Amount, 1919.	Per cent of total for the state.	Increase <sup>1</sup> over 1914.	
			Amount.	Per cent.				Amount.	Per cent.
Foundry and machine-shop products.....	\$3,814,188	97.1	\$617,913	19.3	Printing and publishing, newspapers				
Slaughtering and meat packing.....	3,003,696	91.4	1,438,618	91.9	and periodicals.....	806,249	82.9	550,974	159.6
Bread and other bakery products.....	2,226,290	88.9	1,406,127	171.4	Liquors, malt.....	812,787	100.0	-162,559	-16.7
Tobacco, cigars.....	1,101,497	100.0	( <sup>2</sup> )		Confectionery and ice cream.....	556,954	83.6	321,958	137.0

<sup>1</sup> A minus sign (—) denotes decrease.<sup>2</sup> Figures not shown, to avoid disclosing individual operations.

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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.....	2,425	1,750	1,345	85,150	64,403	52,779	100.0	100.0	100.0
Owned.....	808	890	906	65,798	54,619	48,227	77.3	84.8	91.4
Steam.....	609	666	681	59,743	48,207	42,266	70.2	74.8	80.1
Engines.....	585	( <sup>2</sup> )	( <sup>2</sup> )	46,648	( <sup>2</sup> )	( <sup>2</sup> )	54.8		
Turbines.....	24	( <sup>2</sup> )	( <sup>2</sup> )	13,095	( <sup>2</sup> )	( <sup>2</sup> )	15.4		
Internal-combustion engines.....	91	117	78	1,607	1,905	766	1.9	3.0	1.5
Water.....	108	107	147	4,448	4,597	5,195	5.2	7.0	9.8
Water wheels and turbines.....	108	98	143	4,448	4,307	5,183	5.2	6.7	9.8
Water motors.....		9	4		200	12		0.3	( <sup>3</sup> )
Rented.....	1,617	860	439	19,352	9,784	4,552	22.7	15.2	8.6
Electric.....	1,617	860	439	19,307	9,705	4,502	22.7	15.1	8.5
Other.....				45	79	50	0.1	0.1	0.1
Electric.....	3,280	2,373	1,397	44,528	29,544	17,910	100.0	100.0	100.0
Rented.....	1,617	860	439	19,307	9,705	4,502	43.4	32.8	25.1
Generated by establishments reporting.....	1,663	1,513	958	25,221	19,839	13,408	56.6	67.2	74.9

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

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

INDUSTRY AND CITY.		COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas, manufactured (1,000 cubic feet).
		Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries.....	1919..	38,185	507,354	15,712	194,047	2,399	80,062
Per cent of increase.....	1914..	26,731	330,907	14,282	64,951	( <sup>1</sup> )	30,745
		42.8	53.3	9.9	202.5	( <sup>1</sup> )	160.4
Belting and hose, rubber.....		2,932	444	677	9,542	136	4,674
Bread and other bakery products.....		650	4,956			130	1,228
Brick and tile, sewer pipe and drain tile.....		150	7,628			1	
Canning and preserving, fruits and vegetables.....		644	26,558	144	11,173	77	
Cars and general shop construction and repairs by steam-railroad companies.....		3	14,153	243	2,437	10	
Cars, steam-railroad, not including operations of railroad companies.....			36,174				33,324
Dyeing and finishing textiles.....		754	16,512	2,957	3,458	182	1,408
Foundry and machine-shop products.....		15,173	6,301		77,004	1	
Gas, illuminating and heating.....		300	9,339	400	430	1	
Ice, manufactured.....		538	104,389	3,194	15,454	217	1
Iron and steel, steel works and rolling mills.....			26,939		5,131		337
Leather, tanned, curried, and finished.....			7,830			12	
Paints.....			66,282		10,448		
Paper and wood pulp.....					43,947		
Petroleum, refining.....		1,618	55,040	138			
Pulp goods.....			34,559	1,367	1,015	486	29,241
Shipbuilding, steel.....		10,561	2,192				
Smelting and refining, not from the ore.....		142	50,191	5,088	9,585		
Sulphuric, nitric, and mixed acids.....		4,720	37,862	1,504	3,523	1,146	9,849
All other industries.....							
WILMINGTON.....		32,339	249,075	7,438	102,465	940	78,926

<sup>1</sup> Included in figures for fuel oils.

## SPECIAL STATISTICS.

**Leather, tanned, curried, and finished (Table 19).—** This table shows a great advance in the value of the leather products, which was due to the shortage and demand for leather incident to the emergency of war. "Leather, tanned, curried, and finished," continues to be the leading industry of the state, the 18 establishments reporting 30.4 per cent of the total value of products of all industries in the state in 1919. Upper leather, made chiefly of goatskins by the chrome process, remains the leading product. "All other leather," including fancy, patent, bookbinders', and belting leathers, formed 8.8 per cent of the total value of products for the industry in 1919, as compared with 5 per cent in 1914.

TABLE 19.—LEATHER, TANNED, CURRIED, AND FINISHED: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$50,138,251	\$9,183,205	\$12,079,225
Leather:			
Goat and kid skins—			
Number.....	12,962,006	6,722,261	11,005,292
Value.....	\$40,949,311	\$6,840,228	\$10,232,463
Sheep and lamb skins—			
Number.....	56,448	1,068,789	793,508
Value.....	\$159,523	\$903,453	\$375,956
All other, value.....	\$4,420,100	\$463,635	\$557,942
All other products, value.....	\$1,021,623	\$642,695	\$402,795
Work on materials for others, value.....	\$3,596,689	\$273,189	\$210,039

**Canning and preserving (Table 20).—**"Canning and preserving, fruits and vegetables," ranked by value of

products, was the fifth industry in the state, both in 1919 and 1914, but there was great variation in the quantities and values of the several classes of products that composed it. Notwithstanding a decrease of 24 in the number of establishments and a large decrease in the quantity of vegetables canned, the total value of the products of the canning industry shows an increase of 48.2 per cent in 1919 over 1914, due to the increase in price of canned goods during the five-year period. The majority of the establishments that discontinued business in 1919 were engaged primarily in the canning of tomatoes. The quantity and value of this commodity decreased 73.8 per cent and 43.5 per cent, respectively. There was a decided shortage in the tomato crop in 1919 and high prices prevailed. The number of establishments engaged in making pickles, preserves, and sauces increased from three in 1914 to eight in 1919, and the value of products shows a growth of 372.1 per cent. Statistics for canning and preserving fish were excluded for 1919 to avoid disclosing the operations of the single establishment engaged in the industry.

TABLE 20.—CANNING AND PRESERVING: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$5,584,357	<sup>1</sup> \$3,361,008	\$2,105,945
Canning and preserving, fruits and vegetables.....	\$4,705,378	<sup>1</sup> \$3,174,821	\$2,105,945
Pickles, preserves, and sauces	\$878,979	\$186,187	
Canned vegetables, total:			
Cases.....	866,723	1,889,859	1,585,360
Value.....	\$2,470,703	\$2,763,780	\$2,049,074
Tomatoes—			
Cases.....	348,109	1,326,275	1,262,635
Value.....	\$1,110,894	\$1,965,958	\$1,605,069
Peas—			
Cases.....	222,832	178,810	190,261
Value.....	\$564,208	\$237,853	\$249,357
Corn—			
Cases.....	198,728	215,280	94,697
Value.....	\$479,594	\$281,758	\$138,739
Sweet potatoes—			
Cases.....	74,954	39,063	20,633
Value.....	\$258,790	\$59,458	\$28,675
Pumpkins—			
Cases.....	( <sup>2</sup> )	6,670	3,145
Value.....	( <sup>2</sup> )	\$7,626	\$4,540
All other canned vegetables—			
Cases.....	22,100	123,731	13,989
Value.....	\$57,217	\$211,127	\$22,688
All other products, including pickles, preserves, sauces, cured fish, and canned fruits, value.....	\$3,113,654	\$597,228	\$56,871

<sup>1</sup> Includes "Canning and preserving, fish."

<sup>2</sup> Included with "All other canned vegetables" to avoid disclosure of the operations of individual establishments.

Flour-mill and gristmill products (Table 21).—Notwithstanding the fact that there was a decrease in quantity in each of the several classes of products in 1919, compared with 1914, the total value of all

products shows an increase of 38.6 per cent, due to the high prices ruling in 1919.

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

	1919	1914	1909
Total value.....	\$2,055,735	\$1,483,410	\$1,751,533
Wheat flour:			
Barrels.....	110,494	157,852	174,224
Value.....	\$1,283,733	\$797,625	\$1,011,511
Buckwheat flour:			
Pounds.....	176,194	408,660	672,675
Value.....	\$9,310	\$11,969	\$19,272
Corn meal and corn flour:			
Barrels.....	53,479	67,790	77,399
Value.....	\$401,089	\$229,967	\$239,772
Hominy and grits:			
Pounds.....		1,390,527	1,671,225
Value.....		\$24,792	\$30,288
Bran and middlings:			
Tons.....	5,069	7,754	
Value.....	\$288,592	\$222,506	
Feed and offal:			
Tons.....	1,166	5,892	15,944
Value.....	\$73,011	\$184,339	\$450,261
All other products, value.....		\$12,212	\$431

Power 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 for 1919 and 1914.

TABLE 22.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, <sup>1</sup> 1914-1919.
	1919	1914	
Number of establishments.....	6	12	—18.7
Persons engaged.....	300	369	—27
Proprietors and firm members.....	10	16	—37.5
Salaried employees.....	6	27	—77.8
Wage earners (average number).....	284	326	—12.0
Primary horsepower.....	334	335	—0.3
Capital.....	\$375,386	\$253,264	48.2
Salaries and wages.....	234,019	118,474	98.3
Salaries.....	13,935	20,296	—47.0
Wages.....	220,084	92,178	139.7
Paid for contract work.....		410	—8.1
Rent and taxes.....	4,865	5,293	—8.1
Cost of materials.....	95,822	42,524	125.3
Amount received for work done.....	444,095	242,897	82.8

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

Dyeing and cleaning (Table 23).—This table shows, for 1919, statistics for dyeing and cleaning establishments that were operated by mechanical power. 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 23.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	3
Persons engaged.....	33
Proprietors and firm members.....	1
Salaried employees.....	9
Wage earners (average number).....	23
Primary horsepower.....	31
Capital.....	\$97,632
Salaries and wages.....	30,610
Salaries.....	11,797
Wages.....	18,813
Paid for contract work.....	208
Rent and taxes.....	2,448
Cost of materials.....	17,968
Amount received for work done.....	73,834

Custom sawmills and custom gristmills (Tables 24 and 25).—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 24 and 25, 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 all grain milled.

TABLE 24.—CUSTOM SAWMILLS: 1919 AND 1909.

	1919	1909	Per cent of increase. <sup>1</sup>
Number of establishments.....	6	21	.....
Persons engaged.....	20	93	.....
Proprietors and firm members.....	6	20	.....
Wage earners (average number).....	14	67	.....
Primary horsepower.....	165	415	—60.2
Capital.....	\$5,450	\$26,775	—79.6
Wages.....	10,540	11,371	—7.3
Rent and taxes.....	123	( <sup>2</sup> )	.....
Cost of materials.....	525	845	—37.9
Amount received for contract work.....	20,231	25,695	—21.0

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

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

TABLE 25.—CUSTOM GRISTMILLS: 1919 AND 1909.

	1919	1909	Per cent of increase. <sup>1</sup>
Number of establishments.....	5	6	.....
Persons engaged.....	6	6	.....
Proprietors and firm members.....	5	6	.....
Wage earners (average number).....	1	.....	.....
Primary horsepower.....	148	145	2.1
Capital.....	\$9,250	\$6,400	44.5
Wages.....	909	.....	.....
Rent and taxes.....	732	( <sup>2</sup> )	.....
Cost of materials.....	\$ 29,583	\$ 15,735	88.0
Value of products.....	\$ 36,595	\$ 19,693	85.8

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

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

<sup>3</sup> Includes estimate of all grain ground.

## MANUFACTURES—DELAWARE.

## GENERAL TABLES.

Table 26 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 all industries combined and for selected industries in the state and Wilmington, the only

city in the state having more than 10,000 inhabitants. Table 27 presents, for 1919, for the state as a whole and Wilmington, statistics in detail for each industry for which figures can be shown without the disclosure of individual operations.

TABLE 26.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES: 1919, 1914, AND 1909.

INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1919	668	29,035	85,150	\$37,265	\$55,433	\$165,073	Grease and tallow, not includ- ing lubricating greases.	1919	3	30	160	\$31	\$71	\$144
	1914	808	22,155	64,403	11,382	31,649	56,035		1914	3	22	28	13	42	02
	1909	726	21,238	52,779	10,296	30,938	52,840		1909	4	36	(2)	21	97	183
Baskets, and rattan and willow ware.	1919	3	36	35	19	28	53	Ice, manufactured.....	1919	17	131	1,597	194	279	660
	1914	6	347	295	94	132	295		1914	18	151	1,694	94	59	294
	1909	10	426	540	92	109	295		1909	15	71	1,028	31	49	153
Bread and other bakery prod- ucts.	1919	47	312	414	318	1,617	2,504	Iron and steel, steel works and rolling mills.	1919	6	1,009	13,442	1,527	3,862	7,115
	1914	67	257	263	140	622	954		1914	6	618	3,545	454	932	1,669
	1909	63	226	130	118	448	750		1909	710	4,912	416	1,059	1,715	
Brick and tile, sewer pipe, and drain tile.	1919	11	85	661	98	73	223	Leather, tanned, curried, and finished.	1919	18	4,251	7,977	5,812	28,341	50,138
	1914	13	159	767	74	47	173		1914	20	2,382	5,103	1,187	6,474	9,183
	1909	23	300	834	116	55	329		1909	16	3,045	4,417	1,807	8,147	12,079
Butter.....	1919	6	32	186	29	516	570	Liquors, malt, including cereal beverages.	1919	4	96	813	121	227	813
	1914	10	45	257	28	183	242		1914	3	118	630	107	261	975
	1909	10	32	204	14	211	204		1909	5	107	463	84	241	791
Canning and preserving <sup>1</sup> .....	1919	78	1,459	2,967	823	3,622	5,584	Lumber and timber products <sup>4</sup> ..	1919	90	701	3,393	477	731	1,716
	1914	100	1,831	3,003	470	2,658	3,361		1914	102	780	3,237	253	345	829
	1909	77	1,369	1,725	273	1,553	2,106		1909	116	1,174	3,767	330	608	1,312
Carriages and wagons, including repairs.	1919	5	15	29	22	23	72	Marble and stone work.....	1919	14	43	71	45	133	230
	1914	28	118	181	67	68	197		1914	13	51	52	31	54	113
									1909	7	42	51	27	35	86
Cars and general shop construc- tion and repairs by steam- railroad companies.	1919	5	3,223	2,515	4,108	2,916	7,687	Mineral and soda waters.....	1919	12	29	55	32	115	220
	1914	3	2,059	2,820	1,524	1,764	3,551		1914	14	31	27	17	47	92
	1909	3	1,525	1,835	1,147	1,943	3,251		1909	10	27	(*)	16	32	86
Confectionery and ice cream....	1919	24	98	168	88	430	666	Oil, not elsewhere specified.....	1919	3	106	129	59	375	531
	1914	28	70	139	30	169	285		1914	5	138	745	40	338	603
Copper, tin, and sheet-iron work	1919	11	62	8	83	95	255	Paper and wood pulp.....	1919	5	683	5,120	793	3,230	4,573
	1914	7	42	12	28	35	89		1914	7	591	5,954	327	1,753	2,484
	1909	4	21	(*)	16	17	45		1909	6	540	4,318	310	1,587	2,292
Fertilizers.....	1919	7	41	225	28	510	630	Printing and publishing.....	1919	56	370	457	399	417	1,433
	1914	9	64	295	28	382	510		1914	54	360	420	198	211	676
	1909	10	124	805	52	452	860		1909	48	288	305	129	138	480
Flour-mill and gristmill prod- ucts.	1919	56	95	2,736	95	1,665	2,056	Pulp goods.....	1919	10	1,485	5,154	1,752	3,846	9,385
	1914	60	127	3,267	59	1,203	1,483		1914	8	892	3,402	486	1,028	2,145
	1909	65	139	3,349	57	1,500	1,752		1909	4	359	1,087	175	581	1,032
Foundry and machine-shop products. <sup>3</sup>	1919	42	1,698	5,143	2,490	4,180	9,981	Shirts.....	1919	4	86	25	32	60	126
	1914	51	2,522	8,527	1,505	3,142	6,120		1914	9	244	59	51	14	91
	1909	37	2,210	4,270	1,247	2,402	4,781		1909	8	291	(*)	67	96	206
Furnishing goods, men's.....	1919	7	166	67	179	547	849	Slaughtering and meat packing.	1919	15	117	385	128	2,859	3,285
	1914	5	234	79	55	210	324		1914	19	125	504	82	1,499	1,711
									1909	9	82	212	53	1,231	1,372
Gas, illuminating and heating..	1919	7	145	167	186	449	1,053	All other industries.....	1919	102	12,431	31,051	17,297	24,207	52,521
	1914	8	125	158	75	205	570		1914	133	7,446	18,860	3,896	8,072	16,954
	1909	5	128	333	76	109	364		1909	167	7,956	18,194	4,062	8,238	16,283

<sup>1</sup> Includes "canning and preserving, fish," "canning and preserving, fruits and vegetables," and "pickles, preserves, and sauces," except that in 1919 "canning and preserving, fish," is not included.

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

<sup>3</sup> Includes "automobile repairing"; "engines, steam, gas, and water"; "hardware"; "machine tools"; "plumbers' supplies"; "steam fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts."

<sup>4</sup> Includes "boxes, wooden packing," and "lumber, planing-mill products, not including planing mills connected with sawmills."

# MANUFACTURES—DELAWARE.

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TABLE 26.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES: 1919, 1914, AND 1909—Continued.

INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments.	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
					Expressed in thousands.								Expressed in thousands.		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
WILMINGTON.....	1919	262	21,420	47,359	\$29,347	\$30,487	\$121,040	WILMINGTON—Continued.							
All industries.	1914	319	15,048	38,974	8,674	22,141	39,403	Marble and stone work.....	1919	7	23	56	\$24	\$63	\$112
	1909	261	14,663	29,282	7,937	21,976	38,069		1914	6	32	45	20	26	63
Bread and other bakery prod- ucts.	1919	32	283	351	290	1,416	2,226		1909	4	35	(*)	24	24	64
	1914	43	214	213	121	542	820	Mineral and soda waters.....	1919	5	26	24	23	92	170
	1909	36	198	106	104	380	629		1914	10	25	25	15	43	77
Confectionery and ice cream....	1919	16	85	82	75	357	557	Printing and publishing.....	1919	31	205	348	333	354	1,239
	1914	16	60	90	25	145	235		1914	27	279	315	161	179	562
Foundry and machine-shop products. <sup>1</sup>	1919	28	1,527	4,184	2,280	3,746	9,110		1909	22	210	214	99	112	373
	1914	42	2,000	7,644	1,195	1,908	4,249	Slaughtering and meat packing.	1919	6	109	329	114	2,622	3,004
	1909	27	1,766	.....	992	1,500	3,310		1914	9	116	436	78	1,370	1,565
Liquors, malt, including cereal beverages.	1919	4	96	813	121	227	813	All other industries.....	1919	129	18,960	41,036	26,063	51,576	103,735
	1914	3	118	630	107	261	975		1914	156	12,184	29,416	6,929	17,642	30,795
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	4	22	136	19	34	74		1909	168	12,436	28,678	6,704	19,952	33,663
	1914	7	24	160	23	25	62								
	1909	4	18	84	14	8	30								

<sup>1</sup> Includes "automobile repairing"; "engines, steam, gas, and water"; "hardware"; "machine tools"; "plumbers' supplies"; "steam fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts."

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



## MANUFACTURES—DELAWARE.

TABLE 27.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.			
					Male.	Fe- male.	Average number.	Number, 15th day of—		Male.	Fe- male.	Male.	Fe- male.		
								Maximum month.							Minimum month.

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

																Dollars.
1	All industries.....	668	32,972	593	1,148	1,388	808	29,035	Se 33,438	Mh 25,899	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	148,207,598
2	Artificial stone products.....	3	6	2	.....	.....	.....	4	Oc <sup>4</sup> 7	My <sup>4</sup> 2	8	8	.....	.....	.....	6,350
3	Automobile bodies and parts.....	5	22	8	3	.....	.....	11	Se <sup>4</sup> 12	Ja <sup>4</sup> 10	11	11	.....	.....	.....	75,006
4	Automobile repairing.....	15	61	13	3	2	1	41	Je 48	De 39	37	37	.....	.....	.....	92,010
5	Baskets, and rattan and willow ware.	3	39	3	.....	.....	.....	36	Ap <sup>4</sup> 43	Ja <sup>4</sup> 7	47	47	.....	.....	.....	24,250
6	Boxes, wooden packing, except cigar boxes.	7	254	2	15	5	2	230	Ap 254	Se 194	247	243	4	.....	.....	345,289
7	Brass and bronze products.....	4	32	3	4	1	1	23	Ja <sup>4</sup> 37	Se <sup>4</sup> 15	18	18	.....	.....	.....	116,105
8	Bread and other bakery products.....	47	415	49	25	12	17	312	Au 332	Ap 283	319	266	47	4	2	1,130,785
9	Brick and tile, sewer pipe and drain-tile.	11	101	9	6	1	.....	85	Je 123	Ja <sup>4</sup> 40	124	124	.....	.....	.....	395,700
10	Butter.....	6	45	.....	8	1	4	32	Au <sup>4</sup> 37	Ja 27	30	29	1	.....	.....	190,112
11	Canning and preserving, fruits and vegetables.	70	1,487	83	68	15	11	1,310	.....	.....	5,244	2,137	3,100	5	2	4,692,668
12	Canned vegetables.....	51	959	55	46	11	8	839	Se 2,951	Jy 120	3,674	1,519	2,148	5	2	2,829,278
13	Canned fruits.....	19	528	28	22	4	3	471	Se 1,373	De 40	1,570	618	952	.....	.....	1,863,390
14	Carriages and wagons, including repairs.	5	24	5	4	.....	.....	15	( <sup>3</sup> ) 15	( <sup>3</sup> ) 15	16	16	.....	.....	.....	101,502
15	Cars and general shop construction and repairs by steam-railroad companies.	5	3,485	.....	15	208	39	3,223	De 3,601	Mh 2,884	3,599	3,522	71	6	.....	2,985,731
16	Confectionery and ice cream.....	24	130	25	6	1	.....	98	.....	.....	103	57	45	1	.....	425,326
17	Confectionery.....	6	39	6	3	1	.....	29	De 34	Oc 25	34	14	19	1	.....	85,109
18	Ice cream.....	18	91	19	3	.....	.....	69	Je 77	De 55	69	43	20	.....	.....	340,217
19	Copper, tin, and sheet-iron work.	11	87	12	8	.....	5	62	Ja 79	Mh 49	67	66	1	.....	.....	128,638
20	Fertilizers.....	7	68	9	12	4	2	41	Mh 60	Ja 18	51	51	.....	.....	.....	452,810
21	Flour-mill and gristmill products.	56	176	71	2	6	2	95	Mh 97	Je <sup>4</sup> 93	98	98	.....	.....	.....	988,397
22	Foundry and machine-shop products.	17	1,007	5	41	48	35	378	De 1,106	Je 771	1,103	1,072	29	2	.....	4,874,291
23	Furnishing goods, men's.....	7	197	2	23	4	2	166	My 185	Ja <sup>4</sup> 150	182	23	137	6	16	443,107
24	Gas, illuminating and heating.....	7	219	1	21	33	19	145	Au 160	My 133	141	140	1	.....	.....	7,723,319
25	Grease and tallow, not including lubricating greases.	3	37	3	2	1	1	30	Se 40	De 23	24	24	.....	.....	.....	106,013
26	Ice, manufactured.....	17	165	10	16	1	7	131	Au 213	Ja 75	100	100	.....	.....	.....	1,115,979
27	Iron and steel, steel works and rolling mills.	6	1,184	.....	60	81	34	1,009	Ja 1,746	Je 564	1,209	1,209	.....	.....	.....	13,454,780
28	Leather, tanned, curried, and finished.	18	4,458	5	78	69	55	4,251	Se 5,566	Fe 2,390	5,521	3,914	1,533	42	32	34,982,894
29	Liquors, malt, including cereal beverages.	4	127	1	20	8	2	96	Jy 120	De 64	5,521	64	.....	.....	.....	2,537,772
30	Lumber and timber products.....	75	530	94	8	6	2	420	De 573	Je 317	691	688	.....	3	.....	581,161
31	Lumber, planing-mill products, not including planing mills connected with sawmills.	8	61	4	4	1	1	51	No 59	My 26	57	57	.....	.....	.....	109,120
32	Marble and stone work.....	14	66	15	7	.....	1	43	My 47	Ja 33	33	38	.....	.....	.....	155,724
33	Mineral and soda waters: Mineral and carbonated waters... Oil, not elsewhere specified:	12	47	15	1	1	1	29	Je 37	De 22	29	29	.....	.....	.....	216,496
34	Animal oils.....	3	117	.....	8	1	2	106	Jy <sup>4</sup> 208	Ja <sup>4</sup> 5	206	206	.....	.....	.....	470,538
35	Paper and wood pulp.....	5	727	1	13	23	7	683	No 718	Je 650	663	602	61	.....	.....	3,802,604
36	Pickles, preserves, and sauces.....	8	191	6	8	19	9	149	Se 416	Fe 37	185	132	53	.....	.....	1,563,724
37	Printing and publishing, job printing.	23	135	25	14	1	6	89	Se <sup>4</sup> 93	Je 85	94	51	39	4	.....	330,776
38	Printing and publishing, newspapers and periodicals.	33	398	24	26	34	33	281	.....	.....	294	242	48	4	.....	1,165,029
39	Printing and publishing.....	5	195	2	13	26	23	131	Au <sup>4</sup> 136	Ja <sup>4</sup> 125	135	115	18	2	.....	313,295
40	Printing, publishing, and job printing.	24	200	19	13	8	10	150	No <sup>4</sup> 153	Ja 139	150	127	30	2	.....	851,240
41	Publishing, without printing.....	4	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	404
42	Pulp goods.....	10	1,739	.....	57	104	93	1,485	De 1,668	Mh 1,386	1,666	1,515	143	6	2	0,478,482
43	Saddlery and harness.....	3	7	3	.....	.....	.....	4	Ja <sup>4</sup> 5	Jy <sup>4</sup> 3	3	3	.....	.....	.....	22,885
44	Shirts.....	4	95	4	5	.....	.....	86	De 112	Ap 49	114	29	84	.....	1	84,400
45	Slaughtering and meat packing.....	15	169	15	15	12	10	117	No <sup>4</sup> 139	My 99	140	137	3	.....	.....	784,900
46	Tobacco, cigars.....	11	334	8	7	11	5	303	De 354	Je 213	355	36	277	.....	42	1,164,087
47	All other industries*.....	86	14,530	58	535	673	309	12,865	.....	.....	.....	.....	.....	.....	.....	53,881,238

\*All other industries embrace—

Awings, tents, and sails.....

Belting and hose, rubber.....

Belting, leather.....

Bookbinding and blank-book making.....

Boxes, paper, set-up paper boxes.....

Brooms, from broom corn.....

Brushes, other than toilet.....

Canning and preserving, fish.....

Cars and general shop construction

and repairs by electric-railroad

companies.....

Cars, steam-railroad, not including

operations of railroad companies.....

Charcoal, not including production

in the lumber and wood distillation

industries.....

Cheese.....

Chewing gum.....

Clothing, men's.....

Clothing, women's.....

Coffee, roasting and grinding.....

Dental goods, other than teeth.....

Dyeing and finishing textiles.....

Electroplating.....

Engines, steam, gas, and water.....

Engraving and die-sinking.....

Explosives.....

Fire extinguishers, chemical.....

Fireworks.....

Food preparations, not elsewhere

specified.....

Hats and caps, other than felt, straw,

and wool.....

Jewelry.....

Jute goods.....

Knit goods.....

Lubricating greases.....

Machine tools.....

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

# MANUFACTURES—DELAWARE.

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## 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.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>	

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

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
4,448,045	3,261,023	37,265,319	324,714	144,375	7,591,222	81,453,158	3,979,775	165,073,069	79,640,076	83,150	46,648	13,095	1,607	4,448	19,352	25,221	1	
4,731		3,458	300		166	2,338	120	8,830	6,372	40	40						2	
4,962	4,033	16,691	500	980	327	14,835	969	64,013	48,209	51			12		39		3	
		50,577	535	9,170	844	45,187	2,164	140,632	93,281	40			19		21		4	
43,380	6,600	18,750			103	28,490		52,500	24,010	35	35						5	
		181,615			4,961	163,884	440	440,794	276,470	538	538						6	
14,300	5,770	21,720		670	876	95,961	3,383	159,477	60,133	27					27		7	
71,460	58,114	317,633	278	10,503	55,700	1,562,551	54,463	2,504,100	887,086	414	25		10		379		8	
9,480	280	97,870		1,520	1,524	34,848	38,004	222,740	149,888	661	536				125		9	
8,180	4,321	29,490		490	1,406	503,768	12,285	570,402	54,349	186	185				1		10	
102,952	25,977	722,054	60	3,278	87,046	3,182,883	54,316	4,705,378	1,468,179	2,723	2,610	25	70		18		11	
108,862	18,248	415,571	60	1,600	40,476	1,827,537	30,444	2,660,975	892,994	1,921	1,876	25	2		18		12	
54,090	7,729	307,083		1,678	46,570	1,355,346	23,872	2,044,403	665,185	802	734		68				13	
4,282		21,530		794	1,359	21,800	1,026	72,360	49,534	29			4		25		14	
59,903	586,843	4,107,745			16,902	2,829,457	80,072	7,687,013	4,771,484	2,515	1,705	750				2,018	15	
19,020	65	88,089	200	8,192	11,715	418,502	11,090	666,480	236,288	168	22		35		111		16	
13,900	65	24,196		5,293	8,723	140,342	5,304	242,626	96,950	36					36		17	
5,120		63,893	200	2,899	2,992	278,100	6,380	423,454	139,308	132	22		35		75		18	
18,066	4,076	83,000		3,417	2,075	92,728	1,913	255,230	160,589	8					8		19	
23,585	3,267	28,233		231	1,643	506,092	3,371	630,405	120,342	225	145		10		70		20	
5,800	9,552	95,341		0,504	6,707	1,643,870	21,522	2,055,735	390,343	2,736	285		584	1,727	130		21	
170,910	91,909	1,260,248	1,573	1,288	95,377	1,511,020	133,324	3,929,938	2,281,994	2,477	1,975	190	31		281	1,299	22	
76,112	14,736	179,496		1,042	24,640	543,875	2,948	849,292	302,469	67					67		23	
51,976	40,980	186,037	393		36,553	76,818	372,305	1,053,011	603,888	167	145	20	2				24	
7,689	1,100	30,587	562	180	1,065	54,329	16,806	143,673	72,538	160	160						25	
31,200	6,370	193,847	421		14,582	177,765	101,641	659,583	380,177	1,597	1,064		143	25	365	20	26	
222,093	128,442	1,526,849			179,469	3,265,129	590,486	7,115,083	3,253,408	13,442	8,276	4,091			475	6,557	27	
661,007	198,861	5,811,722	6,425	10,587	4,491,848	28,105,589	235,222	50,138,251	21,797,440	7,977	4,528	150			3,299	492	28	
92,210	14,333	120,767		1,200	170,472	192,772	34,148	812,787	555,867	813	510	50	160		93	62	29	
17,306	5,300	303,725			2,728	466,068	285	1,091,240	624,887	2,554	2,514	40					30	
10,500	1,705	41,368		440	915	94,564	5,319	183,624	83,741	301	145		20		136		31	
10,303	240	44,883	425	1,042	767	131,067	1,936	229,752	96,749	71	8		13		50		32	
3,000	1,833	32,333		0,881	5,556	112,146	2,360	219,727	105,221	55			4		51		33	
35,600	1,980	59,491		1,650	2,483	334,301	40,960	530,920	155,659	129	100				29		34	
74,682	61,317	792,665			20,062	2,852,854	376,826	4,573,359	1,343,659	5,120	4,640			480		68	35	
13,514	34,476	90,856	952		2,158	377,244	7,953	878,979	498,782	244	207				37	80	36	
33,288	7,136	86,824	23,526	7,317	3,876	127,352	5,139	352,607	220,116	125			15		110		37	
66,391	67,575	312,358	19,876	31,095	21,654	268,824	16,046	1,080,600	795,730	332	20		23		289		38	
43,697	48,809	195,266		27,703	14,551	150,514	8,142	697,722	533,066	161					161		39	
22,694	18,706	117,092	7,565	3,092	7,103	111,860	7,904	373,040	253,276	171	20		23		128		40	
			12,311	300		450		9,838	9,388									
318,876	433,943	1,751,708		600	672,869	3,569,535	276,321	9,385,490	5,539,634	5,154	4,460	400		133	161	2,116	41	
		3,600	52		89	8,792	72	18,540	9,676								42	
8,840		31,794			180	66,971	2,074	125,553	56,508	25			18		7		43	
43,152	20,564	127,997	9,817	8,850	44,703	2,845,923	13,326	3,285,336	426,081	385	288						44	
21,032	24,402	201,783		3,313	148,027	533,300	4,005	1,101,407	564,102	51					97		45	
2,028,203	1,303,914	18,230,979	258,819	23,171	1,467,050	24,588,520	1,442,535	57,078,188	31,047,133	33,508	11,412	6,779	434	2,083	12,800	11,569	46	
																	47	

Mattresses and spring beds.....	3	Plumbers' supplies, not elsewhere specified.....	2	Silk goods.....	1	Textile machinery and parts.....	1
Minerals and earths, ground or otherwise treated.....	3	Rubber goods, not elsewhere specified.....	1	Smelting and refining, not from the ore.....	1	Tobacco, snuff.....	1
Models and patterns, not including paper patterns.....	2	Sausage, not made in slaughtering and meat-packing establishments.....	1	Stamped ware.....	1	Tools, machinists'.....	1
Optical goods, lenses.....	1	Sewing machines.....	1	Steam fittings and steam and hot-water heating apparatus.....	1	Vinegar and cider.....	1
Paints.....	3	Shipbuilding, steel.....	2	Structural ironwork, not made in steel works or rolling mills.....	4	Wallpaper, not made in paper mills.....	1
Paving materials.....	2	Shipbuilding, wooden, including boat building.....	4	Sulphuric, nitric, and mixed acids.....	1	Wooden goods, not elsewhere specified.....	1
Petroleum, refining.....	1			Surgical appliances.....	1	Wool scouring.....	1
Photo-engraving.....	1					Woolen goods.....	1
						Worsted goods.....	1

<sup>1</sup> No figures given for reasons stated under "Explanation of terms."

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

<sup>3</sup> Same number reported throughout the year.

## MANUFACTURES—DELAWARE.

TABLE 27.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.										WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.				
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.	Female.			
								Maximum month.	Minimum month.								

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

		262	23,764	201	712	916	515	21,420	Au 22,619	Mh 19,420	22,626	19,271	3,001	123	141	Dollars.
1	WILMINGTON—All industries.															95,710,664
2	Automobile repairing.	8	38	6	1	3	1	27	Je 30	De 25	25	25				47,150
3	Brass and bronze products.	4	32	3	4	1	1	23	Ja <sup>3</sup> 37	Se <sup>3</sup> 15	18	18				116,105
4	Bread and other bakery products.	32	364	34	23	8	16	283	Au 298	Ap 264	289	239	44	4	2	972,465
5	Confectionery and ice cream.	16	108	16	6	1		85			90	45	44	1		373,573
6	Confectionery.	6	39	6	3	1		20	De 34	Oc 25	34	14	19	1		85,109
7	Ice cream.	10	69	10	3			56	Je 61	De 45	56	31	25			288,464
8	Copper, tin, and sheet-iron work.	11	87	12	8		5	62	Ja 79	Mh 49	67	66	1			128,688
9	Foundry and machine-shop products.	11	965	1	39	44	35	846	De 1,073	Je 739	1,068	1,037	29	2		4,767,515
10	Grease and tallow, not including lubricating greases.	3	27	3	2	1	1	30	Se 40	De 23	24	24				106,613
11	Liquors, malt, including cereal beverages.	4	127	1	20	8	2	96	Jy 120	De 64	64	64				2,537,772
12	Lumber, planing-mill products, not including planing mills connected with sawmills.	4	28	3	1	1	1	22	No 28	Mh 16	26	26				50,970
13	Marble and stone work.	7	36	9	4			23	My <sup>3</sup> 27	Ja 14	18	18				84,342
14	Mineral and soda waters: Mineral and carbonated waters.	5	29	6	1	1	1	20	Je 26	De 14	19	19				80,470
	Printing and publishing, book and job:															
15	Job printing.	19	131	22	14	1	6	88	Se <sup>3</sup> 92	Je 84	93	50	30	4		290,107
16	Printing and publishing, newspapers and periodicals.	12	295	7	19	34	28	207			220	188	29	3		569,092
17	Printing, publishing, and job printing.	5	98	3	6	8	5	76	No <sup>3</sup> 83	Ja 65	85	73	11	1		266,303
18	All other.	7	197	4	13	26	23	131	An <sup>3</sup> 136	Ja <sup>3</sup> 125	135	115	18	2		302,789
19	Slaughtering and meat packing.	6	151	5	15	12	10	109	De 125	Mh <sup>3</sup> 98	125	122	3			723,663
20	Tobacco, cigars.	11	334	8	7	11	5	303	De 354	Je 213	355	36	277			1,164,087
21	All other industries*.	109	21,002	65	548	700	403	19,196			20,125	17,204	2,625	109	97	83,708,102

\*All other industries embrace—

Artificial stone products. 1  
Automobile bodies and parts. 4  
Awnings, tents, and sails. 1  
Baskets, and rattan and willow ware. 1  
Belting and hose, rubber. 1  
Belting, leather. 1  
Bookbinding and blank-book making. 2  
Boxes, paper, set-up paper boxes. 1  
Brick. 2

Canning and preserving, fish. 1  
Carriages and wagons, including repairs. 4  
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. 2

Chewing gum. 1  
Coffee, roasting and grinding. 1  
Dyeing and finishing textiles. 2  
Electroplating. 1  
Engines, steam, gas, and water. 1  
Engraving and diesinking. 1  
Fire extinguishers, chemical. 1  
Flour-mill and gristmill products. 1  
Food preparations, not elsewhere specified. 3  
Furnishing goods, men's. 2

Gas, illuminating and heating. 1  
Hats and caps, other than felt, straw, and wool. 1  
Ice, manufactured. 4  
Iron and steel, steel works and rolling mills. 1  
Jewelry. 1  
Jute goods. 1  
Knit goods. 2  
Leather, tanned, curried, and finished. 17

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

## COMBINED AND FOR 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.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rented. <sup>2</sup>
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>		

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

Dollars. 2,918,798	Dollars. 2,044,698	Dollars. 29,346,965	Dollars. 260,806	Dollars. 118,800	Dollars. 6,122,589	Dollars. 58,165,378	Dollars. 2,322,066	Dollars. 121,039,617	Dollars. 60,552,173	47,359	22,162	5,117	237	1,098	17,845	7,165	1
2,362	4,033	37,021	535	8,990	343	32,802	1,734	102,332	67,796	15	.....	.....	.....	.....	15	.....	2
14,300	5,779	21,726	.....	670	876	95,961	3,383	159,477	60,133	27	.....	.....	.....	.....	27	.....	3
65,860	57,176	289,836	72	9,692	53,610	1,368,189	47,803	2,228,290	810,298	351	25	.....	.....	.....	326	.....	4
19,020	65	75,466	200	7,892	11,256	348,283	8,570	556,054	200,095	82	22	.....	.....	.....	60	.....	5
13,900	65	24,196	.....	5,293	8,723	140,342	5,304	242,626	96,980	30	.....	.....	.....	.....	36	.....	6
5,120	.....	51,270	200	2,599	2,533	207,941	3,272	314,328	103,115	46	22	.....	.....	.....	24	.....	7
18,066	4,976	83,000	.....	3,417	2,075	92,728	1,913	255,230	160,589	8	.....	.....	.....	.....	8	.....	8
166,910	89,949	1,225,868	1,473	1,108	94,867	1,457,348	131,122	3,814,188	2,225,718	2,423	1,960	190	2	.....	271	1,299	9
7,689	1,100	30,587	562	180	1,065	54,329	16,806	143,673	72,538	160	160	.....	.....	.....	.....	.....	10
92,210	14,333	120,767	.....	1,200	170,472	192,772	34,148	812,787	585,897	813	510	50	160	.....	93	62	11
1,500	1,765	18,950	.....	440	444	31,446	3,039	73,999	39,514	136	.....	.....	.....	.....	136	.....	12
4,903	.....	23,895	300	870	534	62,021	1,424	111,759	48,314	56	.....	.....	13	.....	43	.....	13
3,000	1,833	22,783	.....	3,929	4,559	90,912	1,318	170,351	78,121	24	.....	.....	2	.....	22	.....	14
33,288	7,136	86,224	23,510	7,137	3,800	123,012	4,959	342,756	214,785	109	.....	.....	.....	.....	109	.....	15
59,611	64,275	246,636	12,134	28,093	20,503	213,807	12,145	896,249	670,297	239	.....	.....	.....	.....	239	.....	16
16,114	15,406	51,370	773	90	5,963	50,413	4,048	194,789	131,323	80	.....	.....	.....	.....	80	.....	17
43,697	48,869	195,206	11,361	28,093	14,540	154,394	8,097	701,460	538,969	159	.....	.....	.....	.....	159	.....	18
43,152	20,564	114,261	9,239	8,850	41,040	2,610,962	11,316	3,093,696	381,418	329	235	.....	.....	.....	94	.....	19
21,032	24,402	201,783	.....	3,313	148,627	533,300	4,005	1,101,407	564,102	51	.....	.....	.....	.....	51	.....	20
2,365,695	1,747,312	20,748,162	218,781	33,019	5,565,618	50,857,506	2,038,375	107,268,469	54,372,588	42,536	19,250	4,877	60	1,998	16,351	5,504	21

Lubricating greases.....	1	Photo-engraving.....	1	Shipbuilding, steel.....	2	Surgical appliances.....	1
Machine tools.....	1	Pickles and sauces.....	2	Shipbuilding, wooden, including boat building.....	2	Textile machinery and parts.....	1
Mattresses and spring beds.....	3	Plumbers' supplies, not elsewhere specified.....	2	Silk goods.....	1	Tools, machinists'.....	1
Minerals and earths, ground or otherwise treated.....	1	Pulp goods.....	2	Smelting and refining, not from the ore.....	1	Wall paper, not made in paper mills.....	1
Models and patterns, not including paper patterns.....	2	Rubber goods, not elsewhere specified.....	1	Stamped ware.....	1	Wooden goods, not elsewhere specified.....	1
Oil, not elsewhere specified.....	2	Saddlery and harness.....	2	Steam fittings and steam and hot-water heating apparatus.....	1	Wool scouring.....	1
Optical goods, lenses.....	1	Sausage, not made in slaughtering and meat-packing establishments.....	1	Structural ironwork, not made in steel works or rolling mills.....	3		
Paints.....	1	Sewing machines.....	1				
Paper and wood pulp.....	2						

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

# DISTRICT OF COLUMBIA.

## GENERAL STATISTICS.

**Area and population.**—The District of Columbia, which is coextensive with the city of Washington, contains 70 square miles, of which 60 represent land surface. Its population in 1900 was 278,718; in 1910, 331,069; and in 1920, 437,571.

**Comparative summary.**—Table 1 summarizes the more important data relative to all classes of manufactures combined in the District of Columbia for the last five censuses. The statistics are exclusive of the establishments operated by the Federal Government, which are shown separately in Tables 16, 17, 18, and 19. In connection with the percentages of increase from census to census, due consideration must be given to the fact that increases in wages, in cost of materials used, and in value of products, since 1914, reflect very largely industrial conditions brought about by the World War and the lessened purchasing power of the dollar. The increases in primary horsepower and in number of wage earners afford the best indication of the true increase in manufacturing operations.

**Principal industries, ranked by value of products (Table 2).**—The ranking of industries by value of products is often misleading as to their true importance from a manufacturing standpoint. The slaughtering and meat-packing industry, for instance, which ranks third in value of products, would rank ninth in average number of wage earners, and fifth in value added by manufacture.

**Persons engaged in manufacturing industries (Table 3).**—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 21.

**Average number of wage earners for selected industries (Table 4).**—The industries covered by this table are those which employed 100 or more wage earners in 1919, and for which statistics can be shown without the possibility of disclosing individual operations.

**Wage earners employed, by months (Table 5).**—The statistics for wage earners are intended to show the steadiness of employment, or the reverse, in accordance with the conditions as they existed during the several census years. For the district the variations between the maximum and minimum are remarkably small.

**Wage earners, by months, for selected industries (Table 6).**—In addition to the number employed by months, similar data are given for males and females for all industries combined. There was no industry in the district in 1919 in which female wage earners predominated, but the industries which provided employment for a large number of that sex are shown.

**Prevailing hours of labor (Table 7).**—Since 1914 there has been a marked shortening of the working day. In that year only 54.5 per cent of the wage earners were included in the group "48 and under," as against 69.8 per cent in 1919. On the other hand, in 1914 the "60" and "over 60" groups constituted 18.1 per cent of the total wage earners, as against only 5 per cent in 1919.

**Size of establishments, by average number of wage earners, for selected industries (Table 8).**—The extent to which the small manufacturing establishments predominated in the district is shown in this table. Only 6 establishments employed more than 250 wage earners each.

**Size of establishments, by value of products (Table 9).**—At the censuses of 1909 and 1914 establishments with products valued at \$100,000 to \$1,000,000 constituted a single 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 in the case of all items 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 10).**—In the preparation of this table it was necessary in several instances to com-

## MANUFACTURES—DISTRICT OF COLUMBIA.

bine the establishments of one group with those of some other group to avoid the possibility of disclosing the operations of individual establishments.

**Character of ownership (Table 11).**—It will be noted that the number of establishments in each of the three groups shown in this table formed approximately the same proportion of the total in 1919 as in 1914, the number in each group having increased about one-sixth during the five-year period.

**Number and horsepower of types of prime movers (Table 12).**—The returns show a marked decrease in the use of steam and internal-combustion engines in

1919 as compared with 1914, whereas the number of electric motors driven by rented current more than doubled and the horsepower of such motors more than trebled during the five-year period. It will be noted also that the use of electric power generated by the establishments shows a marked decrease since 1914.

**Fuel consumed (Table 13).**—This table shows the total quantities of the principal kinds of fuel used by the manufacturing plants in the district in 1919 and 1914, and gives separately for 1919 the amounts used by a number of industries which are large consumers of fuel.

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

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. <sup>1</sup>			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	595	514	518	482	491	15.8	-0.8	7.5	-1.8
Persons engaged.....	14,101	11,323	9,758	7,778	( <sup>2</sup> )	24.5	16.0	25.5	-----
Proprietors and firm members.....	515	435	475	473	( <sup>2</sup> )	18.4	-8.4	0.4	-----
Salaries employees.....	3,104	2,011	1,576	1,006	957	54.4	27.6	55.7	5.1
Wage earners (average number).....	10,482	8,877	7,707	6,299	6,155	18.1	15.2	22.4	2.3
Primary horsepower.....	33,079	24,775	16,563	12,592	10,255	33.5	49.0	31.5	22.8
Capital.....	\$63,008,179	\$40,810,200	\$30,552,623	\$20,199,783	\$17,960,498	54.4	33.6	51.2	12.5
Salaries and wages.....	18,856,410	8,605,693	6,835,052	4,864,979	3,894,788	119.1	25.9	40.5	24.0
Salaries.....	5,667,379	2,537,001	1,845,603	1,206,609	871,882	123.4	37.5	53.0	38.4
Wages.....	13,189,031	6,068,692	4,989,449	3,658,370	3,022,906	117.3	21.6	36.4	21.0
Paid for contract work.....	2,770,506	847,785	304,326	261,369	( <sup>2</sup> )	226.8	178.0	16.4	-----
Rent and taxes.....	2,880,950	1,320,268	792,718	<sup>3</sup> 347,732	( <sup>2</sup> )	118.2	66.5	-----	-----
Cost of materials.....	30,940,100	12,239,123	10,246,534	7,731,971	7,475,216	152.8	19.4	32.5	3.4
Value of products.....	68,826,570	28,978,241	25,259,136	18,359,159	16,426,408	137.5	14.6	37.7	11.8
Value added by manufacture <sup>4</sup> .....	37,886,470	16,739,118	15,042,602	10,627,188	8,951,192	126.3	11.3	41.5	18.7

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

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

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

<sup>4</sup> Value of products less cost of materials.

TABLE 2.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establishments.			WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.			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.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.		Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries.....	595	10,482	100.0		\$68,827	100.0		\$37,886	100.0				Confectionery.....	16	104	1.0		\$758	1.1		\$303	0.8			
Printing and publishing, newspapers and periodicals.....	67	808	7.7		11,898	17.3		9,099	24.0				Lithography.....	6	197	1.9		687	1.0		448	1.2			
Bread and other bakery products.....	74	1,321	12.6		10,626	15.4		4,393	11.6				Structural ironwork, not made in steel works or rolling mills.....	8	99	0.9		644	0.9		328	0.9			
Slaughtering and meat packing.....	6	203	1.9		5,012	7.3		784	2.1				Mineral and soda waters.....	11	82	0.8		644	0.9		379	1.0			
Confectionery (ice cream).....	7	513	4.9		4,101	6.0		2,699	7.1				Copper, tin, and sheet-iron work.....	22	144	1.4		526	0.8		344	0.9			
Printing and publishing, book and job.....	102	1,034	9.9		3,975	5.8		2,549	6.7				Food preparations, not elsewhere specified.....	9	31	0.3		506	0.7		85	0.2			
Foundry and machine-shop products.....	19	302	2.9		1,169	1.7		653	1.7				Patent medicines and compounds.....	15	50	0.5		480	0.7		381	1.0			
Ice, manufactured.....	10	238	2.3		1,081	1.6		663	1.7				Marble and stone work.....	12	116	1.1		437	0.6		244	0.7			
Coffee, roasting and grinding.....	5	31	0.3		925	1.3		168	0.5				Druggists' preparations.....	3	32	0.3		314	0.5		131	0.3			
Automobile repairing.....	27	214	2.0		884	1.3		482	1.3				Mattresses and spring beds.....	5	46	0.4		309	0.4		146	0.4			
Lumber, planing-mill products, not including planing mills connected with sawmills.....	9	244	2.3		860	1.3		478	1.3				Awilings, tents, and sails.....	5	76	0.7		274	0.4		129	0.3			
													Photo-engraving.....	4	61	0.6		267	0.4		229	0.6			
													All other industries*.....	153	4,536	43.3		22,460	32.6		12,771	33.7			

\* Among the industries for which statistics can not be shown separately without the possibility of disclosing individual operations, 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: Baking powders and yeast; card cutting and designing; cars and general shop construction and repairs by electric-railroad companies; cars and general shop construction and repairs by steam-railroad companies; flour-mill and gristmill products; gas, illuminating and heating; iron and steel, steel works and rolling mills; and paper and wood pulp.



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TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Census year.	Total.	Male.	Fe-male.	PER CENT OF TOTAL.		CLASS.	Census year.	Total.	Male.	Fe-male.	PER CENT OF TOTAL.	
					Male.	Fe-male.						Male.	Fe-male.
All classes.....	1919	14,101	11,746	2,355	83.3	16.7	Clerks and other subordinate sala- ried employees.	1919	2,325	1,336	989	57.5	42.5
	1914	11,323	9,692	1,631	85.6	14.4		1914	1,518	1,040	478	68.5	31.5
	1909	9,758	8,598	1,160	88.1	11.9		1909	1,152	853	299	74.0	26.0
Proprietors and officials.....	1919	1,294	1,217	77	94.0	6.0	Wage earners (average number)...	1919	10,482	9,193	1,289	87.7	12.3
	1914	928	872	56	94.0	6.0		1914	8,877	7,780	1,097	87.6	12.4
	1909	899	866	33	96.3	3.7		1909	7,707	6,879	828	89.3	10.7
Proprietors and firm members...	1919	515	482	33	93.6	6.4	16 years of age and over.....	1919	10,430	9,157	1,273	87.8	12.2
	1914	435	404	31	92.9	7.1		1914	8,834	7,760	1,074	87.8	12.2
	1909	475	455	20	95.8	4.2		1909	7,688	6,861	827	89.2	10.8
Salaried officers of corporations...	1919	281	267	14	95.0	5.0	Under 16 years of age.....	1919	52	36	16	69.2	30.8
	1914	199	189	10	95.0	5.0		1914	43	20	23	46.5	53.5
	1909	170	164	6	96.5	3.5		1909	19	18	1	94.7	5.3
Superintendents and managers...	1919	498	468	30	94.0	6.0							
	1914	294	279	15	94.9	5.1							
	1909	254	247	7	97.2	2.8							

TABLE 4.—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.			INDUSTRY.	Census year.	Wage earners (average number).	PER CENT OF TOTAL.		
			16 years of age and over.		Under 16 years of age.				16 years of age and over.		Under 16 years of age.
			Male.	Female.					Male.	Female.	
All industries.....	1919	10,482	87.5	12.0	0.5	Ice, manufactured <sup>1</sup> .....	1919	238	99.2	0.8	.....
	1914	8,877	87.4	12.1	0.5	Lithographing.....	1919	197	82.7	16.8	0.5
	1909	7,707	89.0	10.7	0.2		1914	141	94.3	5.7	.....
Automobile repairing.....	1919	214	100.0	.....	.....	Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	244	98.0	1.6	0.4
	1914	105	100.0	.....	.....		1914	249	100.0	.....	.....
Bread and other bakery products.....	1919	1,321	84.2	15.2	0.6	Marble and stone work.....	1919	116	100.0	.....	.....
	1914	1,161	90.6	8.6	0.8		1914	130	100.0	.....	.....
Confectionery.....	1919	104	26.0	74.0	.....	Printing and publishing, book and job.....	1919	1,034	75.2	24.1	0.7
	1914	63	31.7	68.3	.....		1914	762	76.4	23.3	0.3
Confectionery (ice cream).....	1919	513	95.9	4.1	.....	Printing and publishing, newspapers and periodicals.	1919	808	82.8	14.8	2.4
	1914	199	98.0	2.0	.....		1914	641	82.1	14.5	3.4
Copper, tin, and sheet-iron work.....	1919	144	100.0	.....	.....	Slaughtering and meat packing <sup>1</sup> .....	1919	203	95.6	4.4	.....
	1914	191	99.5	0.5	.....						
Foundry and machine-shop products.....	1919	302	99.3	0.3	0.3	All other industries.....	1919	5,044	89.0	10.7	0.2
	1914	334	99.7	0.3	.....		1914	4,901	86.6	13.2	0.2

<sup>1</sup> Not shown separately in 1914.

TABLE 5.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.			MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	10,450	8,696	<b>7,421</b>	97.5	94.2	93.4	July.....	10,522	8,765	<b>7,785</b>	98.1	95.0	97.9
February.....	10,387	8,672	<b>7,445</b>	96.9	94.0	93.7	August.....	10,578	8,885	<b>7,752</b>	98.6	96.3	97.5
March.....	<b>10,319</b>	<b>8,688</b>	<b>7,535</b>	96.2	93.8	94.8	September.....	10,332	8,965	<b>7,840</b>	96.4	97.2	98.6
April.....	10,449	8,725	<b>7,619</b>	97.4	94.6	95.8	October.....	10,375	8,995	<b>7,849</b>	96.8	97.5	100.0
May.....	10,463	8,003	<b>7,774</b>	97.6	97.6	97.8	November.....	10,618	9,064	<b>7,861</b>	99.0	98.2	98.9
June.....	10,559	8,899	<b>7,761</b>	98.5	96.1	97.6	December.....	10,723	9,227	<b>7,753</b>	100.0	100.0	97.5

<sup>1</sup> 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.

## MANUFACTURES—DISTRICT OF COLUMBIA.

TABLE 6.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES: 1919.

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

INDUSTRY.	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.....	10,482	10,459	10,387	<i>10,519</i>	10,449	10,463	10,559	10,522	10,578	10,332	10,375	10,618	10,723	95.2
Males.....	9,193	9,210	9,134	<i>9,034</i>	9,155	9,170	9,297	9,230	9,305	9,064	9,080	9,286	9,351	96.6
Females.....	1,289	<i>1,249</i>	1,253	1,285	1,294	1,293	1,262	1,292	1,273	1,268	1,295	1,332	1,372	91.0
Automobile repairing.....	214	229	215	<i>209</i>	210	216	<i>209</i>	214	214	213	210	<i>209</i>	<i>209</i>	91.3
Bread and other bakery products.....	1,321	1,342	1,311	1,320	1,323	1,327	1,312	<i>1,310</i>	<i>1,310</i>	1,322	1,325	1,327	1,323	97.6
Confectionery.....	104	93	95	96	97	100	91	84	89	165	112	129	157	53.5
Confectionery (ice cream).....	513	<i>420</i>	438	437	491	533	650	671	622	522	478	451	440	62.6
Copper, tin, and sheet-iron work.....	144	128	142	140	152	150	170	165	177	88	88	104	169	46.9
Foundry and machine-shop products.....	202	293	301	300	<i>287</i>	295	314	306	311	307	306	304	300	91.4
Ice, manufactured.....	238	215	219	228	243	242	259	260	263	255	248	214	<i>210</i>	79.8
Lithographing.....	197	<i>185</i>	187	203	197	187	193	214	209	203	200	197	189	86.4
Lumber, planing-mill products, not including planing mills connected with sawmills.....	244	<i>227</i>	234	238	238	247	245	263	254	252	241	239	250	86.3
Marble and stone work.....	116	91	88	94	101	121	139	135	128	130	123	120	122	63.3
Printing and publishing, book and job.....	1,034	<i>968</i>	1,008	1,020	1,015	993	1,044	1,008	985	990	1,059	1,143	1,175	82.4
Printing and publishing, newspapers and periodicals.....	808	<i>755</i>	749	782	796	801	816	826	827	823	851	843	847	86.4
Slaughtering and meat packing.....	203	211	202	195	202	201	193	<i>188</i>	196	201	204	212	216	83.2
All other industries.....	5,044	5,322	5,198	5,057	5,097	5,050	4,919	<i>4,878</i>	4,993	4,921	4,924	5,063	5,106	91.6
<i>Industries showing large proportion of females.</i>														
Bread and other bakery products.....	203	201	<i>197</i>	200	202	209	193	200	199	206	207	209	208	94.3
Printing and publishing, book and job.....	259	255	269	268	269	249	254	259	248	<i>245</i>	255	260	277	88.4
Printing and publishing, newspapers and periodicals.....	132	130	128	132	132	132	135	139	141	<i>124</i>	133	130	128	87.9

TABLE 7.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. <sup>1</sup>	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries.....	1919	10,482	1,900	268	5,144	518	209	1,850	147	377
	1914	8,877	( <sup>2</sup> )	( <sup>2</sup> )	4,839	691	977	707	381	1,222
	1909	7,707	( <sup>2</sup> )	( <sup>2</sup> )	2,944	782	1,558	254	1,117	1,052
Automobile repairing.....	1919	214	.....	7	68	35	83	.....	21	.....
	1914	105	.....	.....	.....	.....	98	.....	.....	7
Bread and other bakery products.....	1919	1,321	( <sup>2</sup> ) 5	( <sup>2</sup> )	984	105	10	199	3	15
	1914	1,161	( <sup>2</sup> )	( <sup>2</sup> )	741	20	321	16	20	87
Confectionery.....	1919	104	.....	.....	98	3	3	.....	.....	.....
	1914	63	( <sup>2</sup> )	( <sup>2</sup> )	57	.....	4	.....	2	.....
Confectionery (ice cream).....	1919	513	.....	.....	141	2	.....	47	.....	323
	1914	199	.....	.....	.....	.....	.....	155	.....	44
Copper, tin, and sheet-iron work.....	1919	144	102	( <sup>2</sup> )	40	.....	2	.....	.....	.....
	1914	191	( <sup>2</sup> )	( <sup>2</sup> )	191	.....	.....	.....	.....	.....
Foundry and machine-shop products.....	1919	302	( <sup>2</sup> ) 50	( <sup>2</sup> )	252	.....	.....	.....	.....	.....
	1914	334	( <sup>2</sup> )	( <sup>2</sup> )	276	45	13	.....	.....	.....
Ice, manufactured <sup>1</sup> .....	1919	238	.....	.....	36	.....	.....	195	.....	7
Lithographing.....	1919	197	.....	49	148	.....	.....	.....	.....	.....
	1914	141	( <sup>2</sup> )	( <sup>2</sup> )	88	53	.....	.....	.....	.....
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	244	( <sup>2</sup> ) 7	( <sup>2</sup> ) 6	231	.....	.....	.....	.....	.....
	1914	249	( <sup>2</sup> )	( <sup>2</sup> )	240	.....	3	.....	.....	.....
Marble and stone work.....	1919	116	102	( <sup>2</sup> ) 5	9	.....	.....	.....	.....	.....
	1914	130	( <sup>2</sup> )	( <sup>2</sup> )	69	.....	61	.....	.....	.....
Printing and publishing, book and job.....	1919	1,034	81	( <sup>2</sup> ) 42	911	.....	.....	.....	.....	.....
	1914	762	( <sup>2</sup> )	( <sup>2</sup> )	723	5	32	.....	2	.....
Printing and publishing, newspapers and periodicals.....	1919	808	( <sup>2</sup> ) 20	( <sup>2</sup> ) 54	547	.....	.....	187	.....	.....
	1914	641	( <sup>2</sup> )	( <sup>2</sup> )	634	.....	6	.....	1	.....
Slaughtering and meat packing <sup>2</sup> .....	1919	203	.....	.....	140	.....	61	.....	2	.....
All other industries.....	1919	5,044	1,533	105	1,539	373	110	1,231	121	32
	1914	4,901	( <sup>2</sup> )	( <sup>2</sup> )	1,814	568	439	596	350	1,134

<sup>1</sup> Includes 48 and under for 1914 and 1909.<sup>2</sup> Corresponding figures not available.<sup>3</sup> Not shown separately for 1914.

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TABLE 8.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES: 1919.

INDUSTRY.	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.....	595	10,482	132	234	595	143	1,577	48	1,055	20	1,353	12	1,828	4	1,345	1	751	1	1,248
Automobile repairing.....	27	214	2	12	30	11	133	2	51	6	429	2	326	1	317				
Bread and other bakery products.....	74	1,321	19	34	81	10	93	2	75										
Confectionery.....	16	104	1	10	31	4	38	1	35										
Confectionery (ice cream).....	7	513		2	4	2	14	1	47			1	132	1	316				
Copper, tin, and sheet-iron work.....	22	144	2	11	26	8	93	1	25										
Foundry and machine-shop products.....	19	302		5	13	8	81	5	152	1	56								
Ice, manufactured.....	10	238		1	5	7	80			2	153								
Lithographing.....	6	197				2	32	3	108	1	57								
Lumber, planing-mill products, not including planing mills connected with sawmills.....	9	244				3	20	6	224										
Marble and stone work.....	12	116		8	26	3	40	1	50										
Printing and publishing, book and job.....	102	1,034	35	38	84	18	190	8	326	1	57	2	377						
Printing and publishing, newspapers and periodicals.....	67	808	48	7	15	4	66	2	70	2	127	4	530						
Slaughtering and meat packing.....	6	203		1	2	1	6	3	134	1	61								
All other industries.....	218	5,044	25	105	278	62	691	13	388	6	413	3	463	2	712	1	751	1	1,348

TABLE 9.—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.....	595	514	518	10,482	8,877	7,707	\$68,826,570	\$28,978,241	\$25,289,136	\$37,886,470	\$16,739,118	\$15,042,602
Less than \$5,000.....	125	127	147	42	146	182	299,940	326,764	383,463	189,031	231,976	264,245
\$5,000 to \$20,000.....	181	199	187	498	971	956	2,021,696	2,114,545	2,020,003	1,278,741	1,327,467	1,294,810
\$20,000 to \$100,000.....	192	133	135	1,743	2,380	2,480	9,272,206	5,711,981	5,819,241	5,411,283	3,416,524	3,418,883
\$100,000 to \$500,000.....	71	43		3,065	3,622	3,028	15,091,792	8,356,101		8,187,489		7,114,346
\$500,000 to \$1,000,000.....	10	7	46	800			7,205,082	4,774,579	12,053,695	2,518,328		
\$1,000,000 and over.....	16	5	3	4,334	1,758	1,061	34,935,854	7,694,271	5,012,734	20,301,598	4,315,152	2,950,318
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.....	21.0	24.7	28.4	0.4	1.6	2.4	0.4	1.1	1.5	0.5	1.4	1.8
\$5,000 to \$20,000.....	30.4	38.7	36.1	4.8	10.9	12.4	2.9	7.3	8.0	3.4	7.9	8.6
\$20,000 to \$100,000.....	32.3	25.9	26.1	16.6	26.8	32.2	13.5	19.7	23.0	14.3	20.4	22.7
\$100,000 to \$500,000.....	11.9	8.4		29.2	40.8	39.3	21.9	28.8		21.6		47.3
\$500,000 to \$1,000,000.....	1.7	1.3	8.9	7.6			10.5	16.5	47.7	6.6	44.5	
\$1,000,000 and over.....	2.7	1.0	0.6	41.3	19.8	13.8	50.8	26.6	19.8	53.6	25.8	19.6

## MANUFACTURES—DISTRICT OF COLUMBIA.

TABLE 10.—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		1919		1914		1919		1914		1919		1914	
	Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.		Per cent distribution.	
	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914
<b>BREAD AND OTHER BAKERY PRODUCTS</b>	74	58	100.0	100.0	1,321	1,161	100.0	100.0	\$10,625,868	\$3,916,169	100.0	100.0	\$4,393,044	\$1,625,441	100.0	100.0
Less than \$5,000	14	9	18.9	15.5	1	6	0.1	0.5	43,452	29,753	0.4	0.8	17,926	13,513	0.4	0.8
\$5,000 to \$20,000	25	27	33.8	40.5	34	84	2.6	7.2	279,966	272,084	2.6	6.9	112,604	119,249	2.6	7.3
\$20,000 to \$100,000	23	11	31.1	19.0	128	104	9.7	9.0	955,036	398,502	9.0	10.2	393,183	157,073	8.9	9.7
\$100,000 to \$500,000	5	10	6.8	17.2	272	1,967	20.6	83.3	1,395,642	1,215,830	13.1	82.1	600,539	1,335,006	13.7	82.1
\$500,000 and over	7	1	9.4	1.7	886		67.1		7,951,772		74.8		2,268,792		74.4	
<b>COPPER, TIN, AND SHEET-IRON WORK.</b>	22	22	100.0	100.0	144	191	100.0	100.0	525,707	340,589	100.0	100.0	344,039	183,123	100.0	100.0
Less than \$5,000	5	7	22.7	31.8	3	13	2.1	6.8	11,625	20,925	2.2	6.1	6,937	14,132	2.0	7.7
\$5,000 to \$20,000	9	10	40.9	45.5	30	60	20.8	31.4	103,291	93,093	19.6	27.3	65,431	58,523	19.0	32.0
\$20,000 to \$100,000	8	5	36.4	22.7	111	118	77.1	61.8	410,791	226,571	78.1	66.5	271,671	110,468	79.0	60.3
<b>FOUNDRY AND MACHINE-SHOP PRODUCTS</b>	19	17	100.0	100.0	302	334	100.0	100.0	1,159,176	646,203	100.0	100.0	653,207	446,244	100.0	100.0
Less than \$20,000	7	7	36.8	41.2	38	42	12.6	12.6	85,958	67,026	7.4	10.4	61,701	50,478	9.4	11.3
\$20,000 to \$100,000	8	9	42.1	52.9	103	292	34.1	87.4	335,405	579,177	28.9	89.6	252,252	395,700	38.6	88.7
\$100,000 to \$500,000	4	1	21.1	5.9	161		53.3		737,813		63.7		339,254		51.9	
<b>LITHOGRAPHING</b>	6	4	100.0		197	141	100.0		687,447	314,119	100.0		448,225	196,111	100.0	
\$20,000 to \$100,000	3	(*)	50.0		81		41.1		222,769		32.4		175,506		39.2	
\$100,000 to \$500,000	3	(*)	50.0		116		58.9		464,678		67.6		272,719		60.8	
<b>PRINTING AND PUBLISHING, BOOK AND JOB.</b>	102	80	100.0	100.0	1,034	762	100.0	100.0	3,974,976	1,618,662	100.0	100.0	2,549,426	1,154,723	100.0	100.0
Less than \$5,000	45	35	44.1	43.8	15	33	1.5	4.3	92,471	83,981	2.3	5.2	61,620	58,390	2.4	5.0
\$5,000 to \$20,000	26	26	25.5	32.5	80	133	7.7	17.5	272,373	261,493	6.9	16.2	172,706	194,847	6.8	16.9
\$20,000 to \$100,000	21	16	20.6	20.0	203	309	19.6	40.6	932,996	684,958	23.5	42.3	640,443	483,275	25.1	41.9
\$100,000 to \$500,000	10	3	9.8	3.8	736	287	71.2	37.7	2,677,136	588,230	67.3	36.3	1,074,597	418,211	65.7	36.2
<b>PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.</b>	67	60	100.0	100.0	808	641	100.0	100.0	11,897,555	4,139,268	100.0	100.0	9,098,797	3,127,535	100.0	100.0
Less than \$5,000	16	17	23.9	28.3	22	59	2.7	9.2	32,618	42,646	0.3	1.0	28,151	39,477	0.3	1.3
\$5,000 to \$20,000	18	24	26.9	40.0	13	59	1.6	9.2	187,966	241,500	1.6	5.8	169,433	217,191	1.9	6.9
\$20,000 to \$100,000	18	11	26.9	18.3	30	55	3.7	8.6	760,481	436,542	6.4	10.5	716,072	338,781	7.9	10.8
\$100,000 to \$500,000	10	5	14.9	8.3	357	261	44.2	40.7	2,481,736	1,026,753	20.9	24.8	1,712,870	767,429	18.8	24.5
\$500,000 to \$1,000,000	5	2	7.5	1.7	408	244	50.5	38.1	8,434,754	2,391,827	70.9	57.8	6,472,271	1,764,067	71.1	56.4
\$1,000,000 and over																

\* Includes the group "\$500,000 to \$1,000,000."

\* Includes the group "\$100,000 to \$500,000."

\* Figures not shown, to avoid disclosing individual operations.

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

TABLE 11.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY.	Cen- sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.						
						Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.				
All industries.....	1919	309	178	108	10,482	1,617	8,086	779	15.4	77.1	7.4	\$68,826,570	\$8,788,004	\$53,176,333	\$6,861,333	12.8	77.3	10.0				
	1914	268	153	93	8,877	2,041	5,965	871	23.0	67.2	9.8	28,978,241	6,080,976	21,368,253	2,529,012	17.5	73.7	8.7				
	1909	303	122	93	7,707	2,419	4,469	829	31.4	57.9	10.8	25,289,136	5,847,661	16,544,835	2,896,640	23.1	65.4	11.5				
Bread and other bakery products.	1919	59	9	6	1,321	350	912	50	20.5	69.0	4.5	10,625,868	2,461,884	7,368,322	795,062	23.2	69.3	7.5				
	1914	46	8	4	1,161	383	762	16	33.0	65.6	1.4	3,916,169	1,295,470	2,555,808	64,891	33.1	65.3	1.6				
Foundry and machine- shop products.	1919	8	5	6	302	142	66	94	47.0	21.9	31.1	1,159,176	590,026	247,436	321,714	50.9	21.3	27.8				
	1914	9	3	5	334	224	16	94	67.1	4.8	28.1	646,203	363,140	120,000	163,063	56.2	18.6	25.2				
Printing and publishing, book and job.	1919	62	24	16	1,034	184	779	71	17.8	75.3	6.9	3,974,976	841,768	2,861,956	271,252	21.2	72.0	6.8				
	1914	44	19	17	762	167	526	69	21.9	69.0	8.1	1,618,662	437,381	1,004,085	177,196	27.0	62.0	11.0				
Printing and publishing, newspapers and period- icals.	1919	10	30	27	808	14	777	17	1.7	96.2	2.1	11,897,555	93,959	9,266,333	2,537,203	0.8	77.9	21.3				
	1914	16	26	18	641	45	583	13	7.0	91.0	2.0	4,139,268	97,020	3,255,088	787,100	2.4	78.6	19.0				

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TABLE 12.—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.....	2,874	1,616	940	33,079	24,775	16,563	100.0	100.0	100.0
Owned.....	172	285	278	13,109	18,338	14,060	39.6	74.1	84.9
Steam.....	113	214	217	10,340	15,230	12,212	31.2	61.5	73.7
Engines.....	97	( <sup>2</sup> )	( <sup>2</sup> )	8,868	( <sup>2</sup> )	( <sup>2</sup> )	26.8		
Turbines.....	16	( <sup>2</sup> )	( <sup>2</sup> )	1,472	( <sup>2</sup> )	( <sup>2</sup> )	4.4		
Internal-combustion engines.....	54	67	55	2,103	2,568	1,073	6.4	10.4	6.5
Water wheels and turbines.....	5	4	6	666	540	775	2.0	2.2	4.7
Rented.....	2,702	1,331	662	19,970	6,437	2,775	60.4	25.0	15.1
Electric.....	2,702	1,331	662	19,960	6,407	2,433	60.3	25.9	14.7
Other.....				10	30	70	( <sup>3</sup> )	0.1	0.4
Electric.....	2,883	1,659	887	21,943	9,522	4,527	100.0	100.0	100.0
Rented.....	2,702	1,331	662	19,960	6,407	2,433	91.0	67.3	53.7
Generated by establishment reporting.....	181	328	225	1,983	3,115	2,094	9.0	32.7	46.3

<sup>1</sup> Figures for horsepower for 1909 include the amount reported under the head of "other" owned power.  
<sup>2</sup> Not reported separately.  
<sup>3</sup> Less than one-tenth of 1 per cent.

TABLE 13.—FUEL CONSUMED, FOR SELECTED INDUSTRIES: 1919.

INDUSTRY.		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.	87,731	125,170	15,579	399,236	1,147	964,794
Per cent of increase <sup>1</sup> .....	1914.	59,552	159,924	1,831	259,693	( <sup>1</sup> )	48,652
		47.3	-21.7	750.8	54.1	( <sup>1</sup> )	1,883.0
Bread and other bakery products.....		5,573	5,260		3	45	409,351
Confectionery (ice cream).....		47	15,586		522	36	
Foundry and machine-shop products.....		138	350	350	12	176	522,518
Gas, illuminating and heating.....		76,541	15,884	1,897	346,569		
Ice, manufactured.....		2,499	21,259	2,769			
Iron and steel, steel works and rolling mills.....			24,023	2,317	52,065	189	
Lumber, planing-mill products, not including planing mills connected with sawmills.....		496	575			71	400
Paper and wood pulp.....				7,991			
Printing and publishing, book and job.....		330	637		3	10	2,424
Printing and publishing, newspapers and periodicals.....		486	837			51	13,300
Slaughtering and meat packing.....			4,917				
All other industries.....		1,621	34,873	255	62	569	16,801

<sup>1</sup> Included in figures for fuel oil.

<sup>2</sup> A minus sign (-) denotes decrease.

## SPECIAL STATISTICS.

**Laundries.**—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries in the various tables in this report. Table 14, however, summarizes the statistics for such laundries in the District as reported for 1919 and 1914.

TABLE 14.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, <sup>1</sup> 1914-1919.
	1919	1914	
Number of establishments.....	21	18	
Persons engaged.....	1,804	1,351	33.5
Proprietors and firm members.....	10	10	
Salaried employees.....	140	124	12.9
Wage earners (average number).....	1,655	1,217	35.9
Primary horsepower.....	1,633	1,071	52.5
Capital.....	\$1,374,200	\$971,336	41.5
Salaries and wages.....	1,304,048	562,398	142.5
Salaries.....	314,468	121,408	159.0
Wages.....	1,049,580	440,990	138.0
Paid for contract work.....	4,882	260	1,777.7
Rent and taxes.....	69,731	29,907	133.2
Cost of materials.....	481,036	181,876	164.5
Amount received for work done.....	2,559,210	1,023,475	150.1

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

**Dyeing and cleaning.**—Table 15 shows, for 1919, statistics for dyeing and cleaning establishments that were operated by mechanical power. 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 that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 15.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	6
Persons engaged.....	103
Proprietors and firm members.....	6
Salaried employees.....	3
Wage earners (average number).....	94
Primary horsepower.....	73
Capital.....	\$147,450
Salaries and wages.....	105,732
Salaries.....	3,131
Wages.....	102,601
Rent and taxes.....	4,044
Cost of materials.....	44,178
Amount received for work done.....	236,761

## MANUFACTURES—DISTRICT OF COLUMBIA.

## ESTABLISHMENTS OPERATED BY FEDERAL GOVERNMENT.

A large proportion of the wage earners of the District (65.8 per cent in 1919 and 54.5 per cent in 1914) are employed by the Federal Government in operations similar to those carried on in the manufacturing establishments conducted under private ownership. These operations, however, are conducted for the exclusive benefit of the Government, and, as the

products are not manufactured for sale, no value of products is shown. The statistics for the governmental establishments are not included in the general statistics for manufactures, but are presented separately in tables 16, 17, 18, and 19. The abnormal activity of governmental establishments in 1919 is apparent from an examination of these statistics.

TABLE 16.—GOVERNMENTAL ESTABLISHMENTS: 1919, 1914, 1909, AND 1904.

INDUSTRY.	Census year.	Number of establishments.	PERSONS ENGAGED IN INDUSTRY.			Capital.*	EXPENSES.					
			Total.	Officials and clerks.	Wage earners (average number).		Total.	Salaries.	Wages.	Cost of materials.	Rent.	Contract work.
All industries.....	1919	11	22,423	2,254	20,169	\$85,533,787	\$59,074,899	\$3,540,566	\$29,794,728	\$25,346,438	\$80,720	\$332,447
	1914	11	11,639	1,025	10,614	39,863,067	17,862,758	1,122,927	10,614,466	5,902,954	12,736	209,675
	1909	11	11,666	1,009	10,657	28,479,599	15,508,250	1,016,745	10,663,040	3,807,625	10,565	10,274
	1904	11	11,470	488	10,982	24,567,754	14,958,953	643,113	9,740,261	4,502,090	34,794	38,700
Engraving and printing <sup>1</sup> .....	1919	3	7,752	484	7,268	7,786,485	11,867,407	658,539	8,001,899	3,160,407	.....	40,622
	1914	4	4,146	318	3,828	6,151,511	4,678,123	398,697	3,000,227	657,470	.....	21,729
	1909	4	4,190	311	3,879	3,107,610	4,664,332	352,547	3,583,419	708,217	.....	10,149
	1904	4	3,206	183	3,023	2,409,100	3,492,264	238,871	2,001,896	621,372	6,400	23,725
Instruments, professional and scientific (Smithsonian Institution).	1919	1	1	.....	1	3,500	2,240	.....	1,740	500	.....	.....
	1914	1	1	.....	1	3,500	1,645	.....	1,320	325	.....	.....
	1909	1	1	.....	1	3,500	1,695	.....	1,260	310	.....	125
	1904	1	1	.....	1	2,650	1,679	.....	1,080	599	.....	.....
Naval Gun Factory (United States Navy Yard).	1919	1	9,265	1,212	8,053	68,764,200	32,180,537	2,128,949	13,575,872	16,475,716	.....	.....
	1914	1	3,239	253	2,986	27,318,507	6,834,341	280,735	3,065,057	3,488,540	.....	.....
	1909	1	3,141	287	2,854	19,192,224	4,577,603	203,317	2,893,670	1,480,670	.....	.....
	1904	1	3,396	107	3,289	16,449,605	5,331,459	107,966	2,639,184	2,569,334	.....	14,975
Government printing <sup>2</sup> .....	1919	3	5,011	534	4,477	8,276,003	12,862,097	713,774	7,738,823	4,162,973	47,970	198,557
	1914	3	4,051	408	3,643	6,302,618	6,143,345	433,037	3,827,458	1,601,610	3,294	187,946
	1909	3	4,155	390	3,765	6,102,938	6,079,285	449,042	4,042,407	1,557,789	.....	.....
	1904	4	4,572	190	4,382	5,679,074	5,898,838	287,916	4,330,998	1,256,026	23,298	.....
Other industries <sup>3</sup> .....	1919	3	394	24	370	703,599	2,162,558	39,304	470,394	1,540,842	12,750	93,268
	1914	2	202	46	156	80,931	205,304	10,458	120,404	65,000	9,442	.....
	1909	2	179	11	168	73,327	185,265	11,839	132,224	30,637	10,565	.....
	1904	1	295	8	287	27,325	234,718	8,360	167,103	54,159	5,099	.....

\* The capital reported represents almost exclusively the value placed on the land, buildings, and machinery, and does not include cash, bills receivable, and other items similar to those reported for the establishments operated under private ownership.

<sup>1</sup> Includes the Bureau of Engraving and Printing and establishments operated in the Geodetic Survey, the Geological Survey, and the Department of State in 1914, 1909, and 1904, and the same in 1919, with the exception of the establishment operated in the State Department.

<sup>2</sup> Includes the Government Printing Office and an establishment operated in the Weather Bureau; also one establishment operated in the War Department in 1914, 1909, and 1904 and one operated in the State Department in 1919.

<sup>3</sup> Includes, in 1919, two reports from the Post Office Department (one for the mail equipment shops and one for the rural motor truck garage) and one report for the City Post office garage; in 1914 and 1909, two reports from the Post Office Department (one for the mail-bag repair shop and one for the mail-lock shop) which in 1904 were included in one report.

TABLE 17.—GOVERNMENTAL ESTABLISHMENTS—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.				NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	20,903	10,750	11,030	98.8	100.0	100.0	July.....	19,436	10,501	10,258	91.8	97.7	93.0
February.....	20,392	10,744	11,027	96.4	99.9	99.9	August.....	19,672	10,553	10,416	93.0	98.2	94.4
March.....	19,727	10,703	10,998	93.2	99.6	99.7	September.....	19,954	10,607	10,116	94.3	98.7	91.7
April.....	19,753	10,565	10,852	93.3	98.3	98.4	October.....	20,997	10,615	10,681	99.2	98.7	96.8
May.....	19,637	10,528	10,631	92.8	97.9	96.4	November.....	21,161	10,610	10,591	100.0	98.7	96.0
June.....	19,407	10,566	10,517	91.7	98.3	95.3	December.....	20,994	10,626	10,775	99.2	98.8	97.7

<sup>1</sup> Figures represent number employed on 15th of each month or nearest representative day. Maximum number indicated by bold-faced figures, minimum by italics.

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

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.				
				Amount.			Per cent of increase. <sup>1</sup>	
	1919	1914	1909	1919	1914	1909	1914-1919	1909-1914
Primary power, total.....	291	201	177	27,793	11,167	5,992	148.9	89.2
Owned.....	25	33	29	27,313	10,921	5,756	150.1	89.7
Steam.....	25	32	28	27,313	10,911	5,746	150.3	89.9
Engines.....	19	( <sup>2</sup> )	( <sup>2</sup> )	8,027	( <sup>2</sup> )	( <sup>2</sup> )		
Turbines.....	6	( <sup>2</sup> )	( <sup>2</sup> )	19,286	( <sup>2</sup> )	( <sup>2</sup> )		
Internal-combustion engines.....		1	1		10	10		
Rented—Electric.....	266	171	148	480	246	146	95.1	68.5
Electric—Generated by establishment reporting.....	6,211	3,535	1,972	54,620	10,636	10,729	413.5	—0.9

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

<sup>2</sup> Not reported separately.

TABLE 19.—GOVERNMENTAL ESTABLISHMENTS—FUEL CONSUMED: 1919 AND 1914.

KIND.	Unit.	QUANTITY.		Per cent of increase, <sup>1</sup> 1914-1919.	KIND.	Unit.	QUANTITY.		Per cent of increase, 1914-1919.
		1919	1914				1919	1914	
Anthracite coal.....	Ton, 2,240 pounds.	5,850	11,341	—48.4	Fuel, oils.....	Barrel.....	54,612	18,025	193.2
Bituminous coal.....	Ton, 2,000 pounds.	99,773	44,099	126.2	Gas (manufactured).....	1,000 cubic feet.....	36,887	24,297	51.8
Coke.....	Ton, 2,000 pounds.	1,215	577	110.6					

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

## GENERAL TABLES.

Table 20 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 District for 1919, 1914, and 1909. Certain kindred industries

are combined in some instances for comparison with 1909.

Table 21 presents, for 1919, statistics for the District as a whole and for each industry that can be shown without the disclosure of individual operations.

TABLE 20.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES: 1919, 1914, AND 1909.

INDUSTRY.	Cen-sus year.	Num-ber of estab-lish-ments.	Wage earners (aver-age num-ber).	Pri-mary horse-power.	Wages.	Cost of mate-rials.	Value of prod-ucts.	INDUSTRY.	Cen-sus year.	Num-ber of estab-lish-ments.	Wage earners (aver-age num-ber).	Pri-mary horse-power.	Wages.	Cost of mate-rials.	Value of prod-ucts.
All industries.....	1919	595	10,482	33,079	\$13,189	\$30,940	\$68,827	Marble and stone work.....	1919	12	116	159	\$112	\$193	\$437
	1914	514	8,877	24,775	6,069	12,239	28,978		1914	12	130	82	74	147	290
	1909	518	7,707	16,563	4,989	10,249	25,289		1909	15	265	72	180	250	549
Bread and other bakery prod-ucts.	1919	74	1,321	1,111	1,606	6,233	10,626	Mineral and soda waters.....	1919	11	82	116	73	265	644
	1914	58	1,161	937	848	2,291	3,916		1914	11	95	55	60	131	285
	1909	71	975	911	702	2,202	3,590		1909	9	64	67	45	73	199
Coffee, roasting and grinding....	1919	5	31	111	30	757	925	Patent medicines and com-pounds and druggists' prepa-rations.	1919	18	82	118	49	282	794
	1914	5	29	61	25	304	428		1914	20	169	62	62	218	613
	1909	4	17	90	9	374	523		1909	17	78	50	36	57	384
Confectionery.....	1919	16	104	14	106	455	758	Printing and publishing <sup>1</sup> .....	1919	186	2,154	2,746	2,690	4,548	16,859
	1914	9	63	10	19	108	194		1914	156	1,671	2,065	1,239	1,648	6,242
	1909	15	128	15	62	152	284		1909	156	1,565	1,703	1,101	1,095	4,899
Copper, tin, and sheet-iron work.	1919	22	144	65	175	182	526	Tobacco and cigars.....	1919	9	59	7	41	56	154
	1914	22	191	49	122	157	341		1914	15	145	8	67	111	245
	1909	17	152	6	108	160	340		1909	21	63	3	32	45	109
Foundry and machine-shop products. <sup>1</sup>	1919	54	615	1,054	730	1,224	2,688	All other industries.....	1919	179	5,530	28,935	7,282	18,363	33,556
	1914	26	532	871	396	518	1,230		1914	170	4,412	19,896	2,994	6,412	14,753
	1909	23	509	571	310	466	1,175		1909	160	3,552	12,574	2,215	5,118	12,628
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	9	244	643	295	382	860								
	1914	10	249	679	162	194	441								
	1909	10	309	501	189	254	609								

<sup>1</sup> Includes "automobile repairing" and "structural iron work, not made in steel works or rolling mills."  
<sup>2</sup> Includes "bookbinding and blank-book making," "engraving, steel and copper plate, including plate printing," and "lithographing."



## MANUFACTURES—DISTRICT OF COLUMBIA.

TABLE 21.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					Capital.  Dollars. 63,008,179		
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.				
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.	Female.			
								Maximum month.	Minimum month.								
1 All industries.....	595	14,101	515	779	1,335	989	10,482	De 10,723	Mh 10,319	(*)	(*)	(*)	(*)	(*)			
2 Automobile bodies and parts.....	5	34	5	3	1	.....	25	De 30	Mh 21	30	28	2	.....	.....	102,002		
3 Automobile repairing.....	27	285	26	18	14	13	214	Ja 229	Je 209	209	209	.....	.....	.....	739,427		
4 Awnings, tents, and sails.....	5	97	7	7	4	3	76	Apr 88	Se 60	73	26	47	.....	.....	116,211		
5 Bookbinding and blank-book making.....	6	84	9	1	1	2	71	Jy 78	Ja 66	74	40	32	2	.....	76,399		
6 Bread and other bakery products.....	74	1,713	72	46	234	40	1,321	Ja 1,342	Jy 1,310	1,332	1,121	203	3	5	4,095,524		
7 Clothing, women's.....	3	33	5	.....	.....	.....	28	Au 33	Mh 26	27	1	26	.....	.....	12,344		
8 Coffee, roasting and grinding.....	5	63	3	9	17	3	31	Ja 33	Ap 30	31	18	13	.....	.....	279,988		
9 Confectionery and ice cream.....	23	765	21	47	40	40	617	.....	.....	597	463	134	.....	.....	3,372,850		
10 Confectionery.....	16	149	18	7	20	20	104	De 157	Jy 84	157	41	116	.....	.....	515,016		
11 Ice cream.....	7	616	3	40	40	20	513	Ja 671	Ja 420	440	422	18	.....	.....	2,857,834		
12 Copper, tin, and sheet-iron work.....	22	196	17	21	8	6	144	Au 177	Se 83	167	167	.....	.....	.....	264,680		
13 Druggists' preparations.....	3	47	.....	10	.....	5	32	Mh 35	Au 26	31	8	13	3	7	244,434		
14 Electroplating.....	3	14	5	.....	1	.....	8	Ja 8	Ap 7	8	7	.....	1	.....	7,576		
15 Engraving and diesinking.....	4	7	4	.....	.....	.....	3	De 6	Mh 2	6	6	.....	.....	.....	3,160		
16 Engraving, steel and copper plate, including plate printing.....	5	58	6	3	1	4	44	De 52	Ja 39	52	33	19	.....	.....	69,053		
17 Food preparations, not elsewhere specified.....	9	52	10	4	7	.....	31	De 38	Fe 21	38	20	18	.....	.....	104,304		
18 Foundry and machine-shop products.....	19	362	22	21	11	6	302	.....	.....	302	300	1	1	.....	980,131		
19 Machine shops.....	14	247	14	15	9	4	205	Au 215	Ap 192	205	203	1	1	.....	585,599		
20 All other.....	5	115	8	6	2	2	97	Je 103	Ja 94	97	97	.....	.....	.....	394,532		
21 Fur goods.....	6	53	8	2	.....	10	33	De 43	Je 25	43	23	20	.....	.....	283,485		
22 Furniture.....	4	27	3	2	.....	.....	22	Au 30	My 18	21	19	2	.....	.....	18,782		
23 Hand stamps.....	4	45	2	3	5	4	31	My 4	De 26	30	28	2	.....	.....	107,947		
24 Hats and caps, other than felt, straw, and wool.....	3	11	3	.....	.....	.....	8	No 4	Ja 7	9	6	3	.....	.....	9,975		
25 Ice, manufactured.....	10	296	1	33	22	2	238	Au 263	De 210	244	242	2	.....	.....	4,120,741		
26 Jewelry.....	7	29	7	4	.....	1	17	De 20	Ja 14	17	17	.....	.....	.....	48,571		
27 Lithographing.....	6	242	.....	23	14	8	197	Jy 214	Ja 185	189	156	32	1	.....	561,861		
28 Lumber, planing-mill products, not including planing mills connected with sawmills.....	9	279	5	19	8	3	244	Jy 263	Ja 227	258	253	4	1	.....	571,767		
29 Marble and stone work.....	12	141	15	8	.....	2	116	.....	.....	122	122	.....	.....	.....	288,091		
30 Monuments and tombstones.....	4	31	6	2	.....	.....	23	Je 26	Ja 20	23	23	.....	.....	.....	53,558		
31 All other.....	8	110	9	6	.....	2	93	Je 113	Fe 66	99	99	.....	.....	.....	234,523		
32 Mattresses and spring beds.....	5	56	5	1	3	1	46	Jy 51	Ap 42	38	27	11	.....	.....	125,027		
33 Mineral and soda waters.....	11	122	7	9	21	3	82	Je 104	Fe 56	81	81	.....	.....	.....	323,070		
34 Models and patterns, not including paper patterns.....	4	9	5	.....	.....	.....	4	Fe 5	My 3	4	4	.....	.....	.....	10,729		
35 Optical goods: Lenses.....	4	15	3	.....	.....	.....	12	De 13	No 11	13	11	1	1	.....	13,078		
36 Patent medicines and compounds.....	15	107	10	11	14	22	50	Oc 55	Je 45	51	21	30	.....	.....	158,530		
37 Photo-engraving.....	4	84	2	12	7	2	61	No 67	Ja 56	65	65	.....	.....	.....	81,000		
38 Pickles, preserves, and sauces.....	3	9	4	.....	.....	.....	5	(*) 5	(*) 5	5	5	.....	.....	.....	2,990		
39 Printing and publishing, book and job.....	102	1,278	108	76	32	28	1,034	.....	.....	1,253	942	302	8	1	3,169,845		
40 Job work only.....	99	1,253	106	75	32	27	1,013	De 1,154	Ja 948	1,232	923	300	8	1	3,061,679		
41 All other.....	3	25	2	1	.....	1	21	Fe 21	Ja 20	21	19	2	.....	.....	108,166		
42 Printing and publishing, newspapers and periodicals.....	67	2,183	20	160	519	676	808	.....	.....	849	705	125	16	3	5,745,257		
43 Printing and publishing.....	11	1,170	1	63	371	120	615	Oc 651	Ja 564	651	557	89	4	1	3,275,243		
44 Printing, publishing, and job printing.....	7	299	9	7	54	56	173	Oc 195	Ja 149	179	141	24	12	2	454,330		
45 Publishing, without printing.....	49	714	10	90	94	500	20	Ja 22	Ap 19	19	7	12	.....	.....	2,015,684		
46 Slaughtering and meat packing.....	6	272	4	12	42	11	203	De 226	Jy 188	226	216	10	.....	.....	1,847,080		
47 Structural ironwork, not made in steel works or rolling mills.....	8	140	6	14	17	4	99	Oc 107	Ap 90	100	100	.....	.....	.....	567,454		
48 Tobacco and cigars.....	9	74	10	2	3	.....	59	No 76	Ja 42	77	31	46	.....	.....	49,756		
49 All other industries*.....	83	4,819	75	198	290	90	4,166	.....	.....	.....	.....	.....	.....	.....	34,434,961		

\* Includes water wheels and turbines (irrespective of ownership of water supply).

\* Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

\* All other industries embrace—

Artificial limbs.....	2	Canning and preserving, fish.....	2	Dental goods.....	1
Artists' materials.....	1	Card cutting and designing.....	1	Electrical machinery, apparatus, and supplies.....	1
Automobiles.....	1	Cars and general shop construction and repairs by electric-railroad companies.....	2	Fancy articles, not elsewhere specified.....	1
Baking powders and yeast.....	1	Cars and general shop construction and repairs by steam-railroad companies.....	2	Ferrolloys.....	1
Baskets, and rattan and willow ware.....	2	Chemicals.....	1	Flavoring extracts.....	1
Boxes, set-up paper boxes.....	2	Clothing, men's.....	2	Flour-mill and gristmill products.....	3
Brass, bronze, and copper products.....	1	Coal-tar products.....	1	Gas and electric fixtures.....	2
Brick and tile, sewer pipe and drain tile.....	2	Dairymen's, poultrymen's, and apiarists' supplies.....	1	Gas, illuminating and heating.....	2
Brooms, from broom corn.....	2			Grease and tallow, not including lubricating greases.....	1
				House-furnishing goods, not elsewhere specified.....	1

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COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal combustion engines.	Water power. <sup>1</sup>		Rent. <sup>2</sup>
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	33,079	8,568	1,472	2,103	666	19,970	1,983
2,595,491	3,071,888	13,180,031	2,770,506	309,949	2,481,001	27,462,306	3,477,734	68,826,570	37,886,470							
6,500	1,000	30,483	200	2,040	623	30,146	828	101,663	61,689	21					21	2
35,522	54,361	229,085	2,000	23,080	5,826	388,905	12,719	884,002	482,378	158			2		150	3
20,640	8,756	70,526		5,662	1,036	144,102	1,415	274,384	128,867	18					18	4
3,380	2,282	67,244	2,952	7,096	229	53,127	1,435	169,780	115,218	28					28	5
125,125	597,071	1,605,877	1,186	42,883	365,402	6,067,380	165,444	10,625,868	4,393,044	1,111	310		9		792	6
		19,565		1,552	218	33,747	399	69,940	35,794	4					4	7
51,600	33,897	30,020		4,440	10,700	749,005	6,990	924,786	168,191	111					111	8
246,922	78,457	771,632	8,639	15,177	114,200	1,707,488	149,656	4,859,098	3,001,954	3,478	1,620				1,858	9
13,558	10,707	105,852	1,532	11,585	30,276	445,268	10,574	758,235	302,893	14					14	10
233,364	67,090	665,780	7,107	3,592	74,924	1,262,220	139,582	4,100,863	2,699,061	3,464	1,620				1,844	11
40,251	13,073	174,973	1,580	12,044	3,923	179,152	2,516	525,707	344,039	65			35		20	12
29,940	5,800	23,405		2,066	1,692	181,620	797	313,692	131,275	16					16	13
	312	9,005		1,200	40	2,975	564	19,202	15,663	17			8		9	14
		6,260		755	15	769	100	19,643	18,774	4					4	15
4,840	3,889	49,799		4,655	318	29,006	1,052	129,480	99,422	7					7	16
5,534	6,847	20,888	1,185	2,450	974	417,031	3,729	505,547	84,787	52						
52,842	25,003	370,848		13,293	13,197	490,377	15,592	1,159,176	653,207	437	72		186		179	18
47,382	18,088	254,038		9,280	9,875	310,802	8,683	779,680	460,195	269	12		81		176	19
5,460	9,920	116,810		4,013	3,322	179,575	6,909	379,496	193,012	168	60		105		3	20
6,170	9,976	52,733	150	4,860	9,034	101,400	1,667	214,858	111,791	30					30	21
3,870		33,162	800	2,752	525	22,241	1,323	81,807	58,243	44	30				14	22
8,720	13,840	37,359	8,213	4,440	444	104,382	2,128	214,715	108,205	21					21	23
		9,288		1,320	80	9,236	405	27,996	18,355	2					2	24
62,842	37,473	209,524		7,800	54,777	180,429	237,589	1,080,666	662,648	6,258	1,954		1,475	391	2,438	25
9,590	1,247	38,006		2,843	219	45,008	361	134,981	89,612	7					7	26
86,502	54,780	224,575	200	10,171	3,770	230,190	9,032	687,447	448,225	178					178	27
34,587	14,699	295,305	2,000	11,140	8,220	369,313	12,958	860,389	478,118	643	340		25		278	28
33,540	2,740	112,179	2,300	2,729	1,714	189,032	3,920	436,972	244,020	159				57	102	29
4,400		35,393		1,230	280	45,203	1,085	104,128	57,780	51				36	15	30
29,050	2,740	70,786	2,300	1,499	1,425	143,769	2,835	332,844	186,240	108				21	87	31
2,808	4,033	52,612		4,838	933	161,070	2,758	309,412	145,584	68					68	32
22,560	40,052	73,055		6,365	74,057	258,380	6,174	643,778	379,224	116	24		17		75	2
		6,558		516	67	6,500	313	21,576	14,763	8					8	34
		18,692	35	2,717	69	17,146	1,050	51,185	32,989	8					8	35
24,952	10,783	25,900	441	9,305	40,438	98,793	834	480,411	380,784	102	40				62	7
30,742	11,109	109,574	4,005	5,580	4,207	35,820	2,703	267,192	228,669	23					23	37
		2,080	100	540	22	6,705	181	14,533	7,647	1					1	38
252,806	70,937	1,182,500	47,642	64,222	127,041	1,384,560	40,990	3,074,976	2,549,426	854			8		840	39
248,056	60,337	1,154,300	12,133	62,422	126,935	1,382,145	39,750	3,882,177	2,460,282	850					842	40
3,850	1,600	28,200	35,500	1,800	106	2,415	1,240	92,799	89,144	4					4	41
683,497	1,423,004	1,106,320	2,567,489	57,294	278,749	2,754,828	43,930	11,897,555	9,098,797	1,679	385				1,294	42
328,154	750,594	953,868		28,848	271,975	1,897,891	32,875	6,407,600	4,476,834	1,421	385				1,036	43
23,134	115,302	106,452		9,260	5,934	412,848	9,531	803,708	381,329	257					257	44
332,209	557,708	16,000	2,567,489	19,177	840	444,089	1,524	4,688,247	4,240,634	1					1	45
59,980	69,090	245,725		8,432	19,188	4,165,209	62,630	5,012,294	784,455	917	270	145			502	46
60,747	34,330	129,837	101,929	6,816	3,392	308,768	7,379	644,470	328,323	459			112		347	47
				2,582	23,210	55,850	597	154,025	97,578	7					7	48
2,639	2,403	40,760		44,234	1,297,452	6,473,076	2,675,576	21,033,364	11,884,712	15,968	3,823	1,327	135	275	10,408	1,111
580,537	437,447	5,547,927	17,454													

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

<sup>1</sup> No figures given for reasons stated under "Explanation of terms."

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

<sup>3</sup> Same number reported throughout the year.

Instruments, professional and scientific.	3	Perfumery and cosmetics.	2	Sporting and athletic goods.	1
Iron and steel, steel works and rolling mills.	1	Pottery, earthen and stone ware.	2	Statuary and art goods.	2
Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.	1	Printing materials.	1	Stereotyping and electrotyping.	2
Liquors, malt, including cereal beverages.	1	Regalia, and society badges and emblems.	1	Surgical appliances.	1
Millinery, embroideries.	1	Roofing materials.	1	Tools, not elsewhere specified.	1
Paints.	1	Sand-lime brick.	1	Toys and games.	1
Paper and wood pulp.	1	Sausage, not made in slaughtering and meat-packing establishments.	1	Trunks and valises.	1
Paper goods, not elsewhere specified.	2	Shipbuilding, wooden, repair work only.	1	Vinegar and cider.	1
Peanuts, grading, roasting, cleaning, and shelling.	3	Shirts.	2	Window and door screens.	1
		Signs and advertising novelties.	1	Window shades and fixtures.	2

# FLORIDA.

## GENERAL STATISTICS.

**General character of the state.**—Florida has a gross area of 58,666 square miles, of which 54,861 represent land surface. The inhabitants of the state in 1900 numbered 528,542; in 1910, 752,619; and in 1920, 968,470. In total population Florida ranked thirty-second among the states in 1920. The number of inhabitants per square mile in 1910 was 13.7, the corresponding figure for 1920 being 17.7.

In 1920 there were six cities in the state—Jacksonville, Key West, Miami, Pensacola, St. Petersburg, and Tampa—having more than 10,000 inhabitants. The combined population of these six cities in that year was 236,758, which formed 24.4 per cent of the total for Florida. In 1919, 47.8 per cent of the value of the state's manufactured products were reported from these cities.

**Importance and growth of manufactures (Table 1).**—The increase in wages, cost of materials, and the value of products, from 1914 to 1919, as presented in Table 1, are in a great measure due to the changes in industrial conditions brought about by the World War. The increases shown, however, in average 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 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. Of the 54 counties in the state, Duval and Hillsborough, containing the cities of Jacksonville and Tampa, reported 45.2 per cent of the total value of products in the state and 36.3 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 not always conclusive 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 30.

**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).**—During the census period 1914–1919, each of the six cities shows increases in all details except in the number of wage earners under 16 years of age. The largest actual increases were in Tampa, \$28,422,460, or 202.5 per cent, in value of products and 6,024, or 85.4 per cent, in number of wage earners; while Pensacola shows the largest percentage increases—882.7 per cent in value of products and 449.2 per cent in number of wage earners.

**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, 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. The table also shows the number of females for industries in the state in 1919 in which a large proportion of the wage earners employed were females.

**Prevailing hours of labor (Table 9).**—Since 1914 there has been a marked shortening of the working day in Florida. In that year only 16.9 per cent of the wage earners were reported in the group "48 and under" as against 37.9 per cent in 1919. In 1914, the "60" and "Over 60" groups constituted 62 per cent of the total wage earners, as compared with 37.3 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 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 39.1 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 6 per cent of the total manufacturing establishments in the state, but reported 60.9 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 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 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 real index of the extent of manufacturing activities.

**Character of ownership (Table 14).**—The predominance of corporate ownership is clearly brought out in this table. Although corporations owned but 29 per cent of the number of establishments in the state in 1919, they reported 73.5 per cent of the average number of wage earners and 77.9 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 19,724, or 56.4 per cent, and the value of products \$107,872,198, or 184.9 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 six cities in 1919 represented 29.4 per cent of the total in the state. They reported in that year 37.7 per cent of the average number of wage earners and 47.8 per cent of the value of products.

**Principal industries in Jacksonville and Tampa, with per cent of total for state (Table 16).**—This table includes all industries in the cities of Jacksonville and Tampa having products of \$300,000 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 39,385 horsepower, or 39.4 per cent. Of this increase, 22,850 horsepower, or 58 per cent, was owned power, and 16,535, or 42 per cent, rented power. During this five-year period owned power increased 24.4 per cent and rented power 255 per cent.

**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. In 1919 steam-railroad repair shops consumed 46.2 per cent of the bituminous coal; the gas industry consumed 12.4 per cent of the fuel oils, 14.7 per cent of the bituminous coal, and 65.8 per cent of the anthracite coal. Of the fuel oils, 37.2 per cent was consumed in the manufacture of ice.

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

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. <sup>1</sup>			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	2,582	2,518	2,159	1,413	1,275	2.5	16.6	52.8	10.8
Persons engaged.....	82,986	63,204	64,810	46,985	( <sup>2</sup> )	31.3	-2.5	37.9	.....
Proprietors and firm members.....	2,616	2,682	2,712	1,769	( <sup>2</sup> )	-2.5	-1.1	53.3	.....
Salaried employees.....	5,965	4,914	4,625	3,125	1,781	21.2	6.2	48.0	75.5
Wage earners (average number).....	74,415	55,608	57,473	42,091	35,471	33.8	-3.2	30.5	18.7
Primary horsepower.....	139,456	100,071	89,816	43,413	36,356	39.4	11.4	106.9	19.4
Capital.....	\$206,293,570	\$88,318,983	\$65,290,643	\$32,971,982	\$25,082,171	133.6	85.3	98.0	28.4
Salaries and wages.....	78,268,575	30,112,454	27,936,439	18,436,908	12,216,019	150.9	7.8	51.5	50.9
Salaries.....	10,835,346	5,290,131	4,954,867	2,669,726	1,290,576	104.8	6.8	85.6	105.4
Wages.....	67,433,229	24,822,323	22,981,572	15,767,182	10,916,443	171.7	8.0	45.8	44.4
Paid for contract work.....	938,056	1,057,998	1,316,755	558,925	( <sup>2</sup> )	-11.3	-19.7	136.4	.....
Rent and taxes.....	7,411,261	2,419,075	1,993,014	339,898	( <sup>2</sup> )	206.4	21.4	.....	.....
Cost of materials.....	92,680,224	33,815,688	26,128,279	16,632,439	12,847,187	174.1	29.4	58.0	28.7
Value of products.....	213,326,811	81,112,291	72,889,659	50,298,290	34,183,509	163.0	11.3	44.9	47.1
Value added by manufacture.....	120,646,587	47,296,603	46,761,380	33,765,851	21,336,322	155.1	1.1	38.5	58.2

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

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

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

<sup>4</sup> 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 horse-power.
		Average number.	Wages.					
The state.....	2,582	74,415	\$67,433,229	\$7,411,261	\$92,680,224	\$213,326,811	\$120,046,587	139,456
Alachua.....	74	1,419	1,290,653	46,057	1,703,545	3,893,522	2,159,977	2,731
Baker.....	6	270	150,959	2,899	167,440	458,208	290,768	240
Bay.....	38	1,633	1,341,934	167,525	1,030,838	3,350,773	2,319,935	2,712
Bradford.....	35	343	210,245	6,075	216,389	645,061	428,672	273
Brevard.....	32	343	313,365	30,919	176,014	735,535	559,521	1,519
Broward.....	14	61	50,804	4,838	72,762	219,570	146,808	345
Calhoun.....	36	899	473,537	31,040	374,235	1,420,317	1,046,032	866
Citrus.....	17	579	374,390	10,184	262,741	905,636	642,895	1,440
Clay.....	17	589	417,747	12,085	394,658	904,917	510,259	1,766
Columbia.....	19	842	504,556	28,795	245,398	1,447,650	1,202,252	1,711
Dade.....	102	1,385	1,333,369	86,136	1,558,505	3,860,029	2,310,524	3,843
De Soto.....	85	1,595	1,102,840	67,402	833,398	3,455,609	2,622,271	5,541
Duval.....	283	12,378	13,615,304	1,021,865	24,944,903	47,487,402	22,542,499	27,647
Escambia.....	99	6,204	7,002,289	203,745	12,732,626	22,561,251	9,828,625	10,158
Flagler.....	16	212	140,611	6,412	87,362	330,664	243,302	575
Franklin.....	27	821	521,309	45,601	426,017	1,600,372	1,174,355	1,418
Gadsden.....	38	842	509,285	132,927	375,300	1,697,487	1,322,187	2,233
Hamilton.....	27	413	224,903	9,944	251,196	686,468	435,272	309
Hernando.....	19	521	423,610	12,678	227,785	904,540	676,755	2,429
Hillsborough.....	317	14,637	15,949,485	3,719,143	20,544,288	48,939,327	28,895,039	9,146
Holmes.....	23	686	530,369	37,996	378,011	1,391,464	1,013,453	1,134
Jackson.....	61	904	476,789	23,588	867,226	2,298,652	1,431,426	1,563
Jefferson.....	22	277	182,544	4,394	145,896	469,064	323,168	442
Lafayette.....	13	514	509,040	38,411	481,055	1,337,925	856,870	3,000
Lake.....	34	517	438,808	10,913	340,643	1,343,070	1,002,427	1,739
Lee.....	30	180	154,950	20,588	253,313	597,535	338,722	1,016
Leon.....	43	700	515,820	20,555	729,661	1,593,526	868,865	1,429
Levy.....	33	1,207	861,086	43,444	963,566	2,386,767	1,423,201	2,930
Liberty.....	18	897	639,551	17,707	437,672	1,617,854	1,179,652	1,052
Madison.....	41	519	350,123	16,671	560,159	1,081,631	521,472	1,543
Manatee.....	49	826	649,187	28,833	804,149	1,963,321	1,159,172	2,920
Marion.....	53	1,173	770,684	70,415	923,012	2,568,991	1,645,979	2,523
Monroe.....	69	2,813	2,094,461	656,775	2,776,183	6,520,351	3,744,168	1,221
Nassau.....	35	744	450,719	13,543	332,571	1,245,968	913,397	1,116
Okaloosa.....	27	733	450,403	11,266	342,031	1,329,324	987,233	909
Okeechobee.....	6	24	13,069	3,658	48,472	249,092	200,620	238
Orange.....	51	521	410,203	38,732	1,042,878	1,938,183	895,395	1,519
Osceola.....	15	186	146,663	12,034	129,906	459,099	329,193	260
Palm Beach.....	52	269	258,269	37,236	441,094	1,068,862	627,768	2,215
Pasco.....	22	858	715,999	36,521	582,726	1,738,921	1,176,195	1,416
Pinellas.....	98	603	536,449	38,978	1,361,038	2,551,702	1,190,664	2,041
Polk.....	82	1,410	1,330,589	78,272	1,357,513	3,509,868	2,152,355	2,878
Putnam.....	39	1,449	879,735	70,155	1,321,278	3,443,228	2,121,950	4,243
St. Johns.....	46	953	872,858	40,448	1,007,352	2,368,006	1,361,254	1,373
St. Lucie.....	24	279	307,413	12,296	321,475	823,641	502,166	1,062
Santa Rosa.....	32	1,618	1,172,921	44,698	1,309,615	3,392,966	2,083,351	3,532
Seminole.....	25	560	600,812	64,239	868,246	1,799,142	980,896	1,541
Sumter.....	13	399	208,393	4,476	552,787	964,928	352,141	2,446
Suwannee.....	36	508	375,669	21,152	611,691	1,290,931	679,240	4,621
Taylor.....	36	2,536	1,998,981	34,982	1,874,413	5,583,378	3,708,965	5,652
Volusia.....	63	1,218	981,044	62,799	1,108,836	3,020,521	1,911,685	2,616
Wakulla.....	25	525	254,765	6,586	220,000	766,428	536,428	450
Walton.....	32	1,351	865,102	107,094	730,550	3,012,877	2,282,327	1,538
Washington.....	28	972	461,964	35,456	824,256	2,131,097	1,306,841	2,011

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

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		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.			Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries.....	2,582	74,415	100.0	\$213,327	100.0	\$120,047	100.0	Boxes, wooden packing, except cigar boxes.....	20	1,025	1.4	\$2,540	1.2	\$1,414	1.2
Lumber and timber products.....	409	21,058	28.3	42,598	20.0	29,065	24.1	Wood distillation.....	6	412	0.6	2,005	0.9	909	0.8
Tobacco, cigars and cigarettes.....	280	12,393	16.6	37,926	17.8	22,392	18.6	Gas, illuminating and heating.....	14	418	0.6	1,989	0.9	1,008	0.8
Shipbuilding, steel.....	5	7,839	10.5	24,234	11.4	13,533	11.2	Minerals and earths, ground or otherwise treated.....	5	717	1.0	1,750	0.8	1,234	1.0
Turpentine and rosin.....	452	11,748	15.8	21,509	10.1	15,650	13.0	Boxes, cigar.....	4	673	0.9	1,683	0.8	933	0.8
Fertilizers.....	24	1,390	1.9	10,686	5.0	3,528	2.9	Coffee, roasting and grinding.....	18	68	0.1	1,602	0.8	303	0.2
Cars and general shop construction and repairs by steam-railroad companies.....	19	3,762	5.1	8,468	4.0	5,240	4.3	Printing and publishing, book and job.....	77	331	0.4	1,518	0.7	909	0.8
Shipbuilding, wooden, including boat building.....	63	3,361	4.5	8,428	3.9	5,212	4.3	Cooperage.....	17	227	0.3	1,122	0.5	350	0.3
Slaughter and meat packing.....	8	348	0.5	5,316	2.5	500	0.4	Confectionery and ice cream.....	27	105	0.1	1,112	0.5	315	0.3
Lumber, planing-mill products, not including planing mills connected with sawmills.....	63	1,267	1.7	5,271	2.5	2,154	1.8	Oil, not elsewhere specified.....	4	54	0.1	970	0.5	466	0.4
Bread and other bakery products.....	183	737	1.0	5,144	2.4	1,592	1.3	Automobile repairing.....	79	259	0.3	740	0.3		
Printing and publishing, newspapers and periodicals.....	160	841	1.1	4,101	1.9	3,001	2.5	Patent medicines and compounds.....	24	58	0.1	738	0.3	351	0.3
Ice, manufactured.....	95	1,412	1.9	4,052	1.9	2,528	2.1	Awnings, tents, and sails.....	9	49	0.1	674	0.3	195	0.2
Foundry and machine-shop products.....	64	872	1.2	3,408	1.6	1,986	1.6	Pickles, preserves, and sauces.....	13	124	0.2	590	0.3	203	0.2
Mineral and soda waters.....	105	431	0.6	2,600	1.3	1,185	1.0	Flour-mill and gristmill products.....	27	52	0.1	568	0.3	93	0.1
								Food preparations, not elsewhere specified.....	6	29	(1)	561	0.3	102	0.1
								Copper, tin, and sheet-iron work.....	22	99	0.1	540	0.3	243	0.2
								All other industries.....	215	2,257	3.0	8,664	4.1	3,570	3.0

<sup>1</sup> Less than one-tenth of 1 per cent.  
<sup>2</sup> Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are two having products in excess of some for which figures are shown in the table. These industries are as follows: "Oil and cake, cottonseed" and "wood preserving."

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

CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		
					Male.	Fe- male.						Male.	Fe- male.	
All classes.....	1919	82,986	76,351	6,635	92.0	8.0	Clerks and other subordinate salaried employees.	1919	2,972	2,219	753	74.7	25.3	
	1914	63,204	59,739	3,465	94.5	5.5			1914	2,976	2,718	258	91.3	8.7
	1909	64,810	61,500	3,310	94.9	5.1			1909	2,723	2,539	184	93.2	6.8
Proprietors and officials.....	1919	5,509	5,464	135	97.6	2.4	Wage earners (average number).....	1919	74,415	68,668	5,747	92.3	7.7	
	1914	4,620	4,546	74	98.4	1.6			1914	55,608	52,475	3,133	94.4	5.6
	1909	4,614	4,541	73	98.4	1.6			1909	57,473	54,420	3,053	94.7	5.3
Proprietors and firm members.....	1919	2,616	2,532	84	96.8	3.2	16 years of age and over.....	1919	73,984	68,252	5,732	92.3	7.7	
	1914	2,652	2,620	62	97.7	2.3			1914	54,951	51,871	3,080	94.4	5.6
	1909	2,712	2,652	60	97.8	2.2			1909	56,532	53,520	3,012	94.7	5.3
Salaried officers of corporations...	1919	762	749	13	98.3	1.7	Under 16 years of age.....	1919	431	410	15	96.5	3.5	
	1914	546	537	9	98.4	1.6			1914	657	604	53	91.9	8.1
	1909	469	462	7	98.5	1.5			1909	941	900	41	95.6	4.4
Superintendents and managers...	1919	2,221	2,183	38	98.3	1.7								
	1914	1,392	1,389	3	99.8	0.2								
	1909	1,433	1,427	6	99.6	0.4								

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

INDUSTRY	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.			INDUSTRY	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.		
			16 years of age and over.		Un- der 16 years of age.				16 years of age and over.		Un- der 16 years of age.
			Male.	Female.					Male.	Female.	
All industries .....	1919	74,415	91.7	7.7	0.6	Lumber, planing-mill products, not includ- ing planing mills connected with sawmills.	1919	1,267	99.6	0.3	0.1
	1914	55,608	93.3	5.5	1.2		1914	1,159	99.5	0.3	0.5
	1909	57,473	93.1	5.2	1.6	Mineral and soda waters.....	1919	431	94.9	2.3	2.8
Boxes, cigar.....	1919	673	51.3	48.7	7.0		1914	271	96.7	0.7	2.6
	1914	457	50.1	42.9	7.0	Minerals and earths, ground or otherwise treated.	1919	717	96.0	4.0	.....
Boxes, wooden packing, except cigar boxes..	1919	1,025	83.9	15.8	0.3		1914	220	100.0	.....	.....
	1914	807	92.1	6.6	1.4	Printing and publishing, newspapers and periodicals.	1919	841	80.4	15.5	4.2
Bread and other bakery products.....	1919	737	79.8	18.9	1.4		1914	880	80.1	10.8	9.1
	1914	672	83.0	15.2	1.8	Shipbuilding, steel <sup>1</sup> .....	1919	7,838	99.8	0.2	.....
Cars and general shop construction and re- pairs by steam-railroad companies.	1919	3,762	99.8	0.2	.....		1914	3,361	99.7	0.2	0.1
	1914	2,311	99.8	0.1	( <sup>1</sup> )	Shipbuilding, wooden, including boat build- ing.	1919	486	99.6	.....	0.4
Fertilizers.....	1919	1,390	96.5	3.4	0.1		1914	486	99.6	.....	0.4
	1914	781	99.5	0.5	.....	Tobacco, cigars and cigarettes.....	1919	12,393	68.9	31.1	0.1
Foundry and machine-shop products <sup>1</sup> .....	1919	879	99.8	0.1	0.1		1914	10,761	78.4	21.1	0.5
	1914	561	99.6	.....	0.4	Turpentine and rosin.....	1919	11,748	97.3	0.3	2.4
Gas, illuminating and heating.....	1919	418	97.4	2.6	.....		1914	15,466	97.9	0.3	1.8
	1914	349	100.0	.....	.....	Wood distillation <sup>1</sup> .....	1919	412	99.8	0.2	.....
Ice, manufactured.....	1919	1,412	98.4	1.6	0.1		1914	412	99.8	0.2	.....
	1914	760	99.9	.....	0.1	All other industries.....	1919	4,053	82.5	16.8	0.7
Lumber and timber products.....	1919	21,058	98.6	1.2	0.2		1914	3,275	90.3	7.9	1.8
	1914	16,392	99.1	0.3	0.6						

<sup>1</sup> Less than one-tenth of 1 per cent.<sup>2</sup> Includes "iron and steel, welding."<sup>3</sup> 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.

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
Jacksonville.....	7,168	2,816	1,988	6,718	2,596	1,836	441	202	128	9	18	24	\$31,212,404	\$10,147,679	\$6,722,276
Key West.....	2,313	2,037	2,431	1,794	1,612	1,906	508	394	508	11	31	17	6,520,351	3,389,026	3,965,364
Miami.....	708			656			51			1			2,722,612		
Pensacola.....	4,586	835	940	4,522	782	892	55	13	27	9	40	21	18,006,919	1,832,327	1,837,462
St. Petersburg.....	215			201			14						1,004,938		
Tampa.....	13,079	7,055	6,786	9,769	5,455	5,443	3,297	1,523	1,128	13	77	215	42,461,377	14,038,917	13,803,751

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

MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.			MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	74,029	55,617	56,016	94.7	94.3	92.3	July.....	75,135	57,775	56,182	96.2	100.0	92.6
February.....	73,007	55,851	56,414	93.4	96.7	93.0	August.....	71,298	55,924	56,276	91.2	96.8	92.8
March.....	73,427	56,595	56,596	94.0	98.0	93.3	September.....	75,326	55,071	58,035	96.4	95.3	95.7
April.....	71,888	57,066	56,371	92.0	98.8	92.9	October.....	77,708	55,354	59,487	99.4	95.8	98.1
May.....	73,014	56,968	56,858	93.4	98.6	93.7	November.....	77,108	58,087	60,661	98.7	90.2	100.0
June.....	72,000	56,764	56,195	93.3	98.3	92.6	December.....	78,140	52,194	60,587	100.0	90.3	99.9

<sup>1</sup> 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.....	74,415.	74,029	73,007	73,427	71,888	73,014	72,000	75,135	71,298	75,326	77,708	77,108	78,140	91.2
Males.....	68,668	68,312	67,347	67,567	66,663	67,533	67,190	69,323	66,779	69,455	71,464	70,801	71,682	92.9
Females.....	5,747	5,717	5,660	5,860	5,325	5,481	5,710	5,812	4,519	5,871	6,244	6,307	6,458	70.0
Boxes, cigar.....	673	633	638	642	616	616	656	696	668	641	723	750	787	80.3
Boxes, wooden packing, except cigar boxes.....	1,025	1,057	1,025	1,105	1,136	1,057	1,034	890	856	994	1,042	1,033	1,071	75.4
Bread and other bakery products.....	737	707	704	713	711	697	681	688	735	742	783	841	844	80.7
Cars and general shop construction and repairs by steam-railroad companies.....	3,762	3,800	3,905	3,981	3,993	4,073	3,389	3,552	3,373	3,611	3,794	3,875	3,998	82.3
Fertilizers.....	1,390	1,281	1,390	1,663	1,566	1,467	1,478	1,229	1,070	1,239	1,292	1,387	1,618	61.3
Foundry and machine-shop products.....	872	790	792	812	898	936	897	879	889	861	875	857	978	80.8
Gas, illuminating and heating.....	418	456	443	427	422	404	392	396	395	399	420	423	439	86.0
Ice, manufactured.....	1,412	1,512	1,345	1,401	1,373	1,407	1,415	1,457	1,400	1,549	1,472	1,366	1,447	84.7
Lumber and timber products.....	21,058	19,194	18,872	19,501	19,745	20,183	20,200	22,076	22,612	22,021	23,193	22,541	22,555	81.4
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1,267	1,206	1,205	1,094	1,085	1,171	1,192	1,278	1,329	1,376	1,379	1,462	1,427	74.2
Mineral and soda waters.....	431	374	376	389	410	436	463	486	474	475	445	428	416	77.0
Minerals and earths, ground or otherwise treated.....	717	602	600	621	662	720	716	748	795	800	779	778	783	75.0
Printing and publishing, newspapers and periodicals.....	811	837	841	835	822	807	819	805	824	818	851	891	942	85.5
Shipbuilding, steel.....	7,838	8,533	8,267	7,781	7,596	7,542	7,522	7,685	8,165	7,802	7,709	7,841	7,813	85.8
Shipbuilding, wooden, including boat building.....	3,361	5,767	5,122	4,389	3,789	3,372	3,220	3,298	2,760	2,417	2,173	2,146	1,879	32.6
Tobacco, cigars and cigarettes.....	12,303	12,429	12,249	12,523	10,938	11,893	12,801	13,077	8,588	13,169	13,572	13,372	14,105	60.9
Turpentine and rosin.....	11,748	10,582	11,013	11,322	11,918	12,038	12,161	12,068	12,147	11,878	12,182	11,903	11,784	87.0
Wood distillation.....	412	316	354	382	390	404	389	457	436	426	412	412	503	68.8
All other industries.....	4,000	4,123	3,866	3,846	3,818	3,761	3,675	3,672	3,782	4,086	4,018	4,802	4,771	74.4
<i>Industries showing large proportion of females.</i>														
Boxes, cigar.....	328	306	298	306	294	312	315	346	329	290	373	384	383	75.5
Boxes, wooden packing, except cigar boxes.....	162	175	177	185	187	152	144	128	118	149	177	171	181	63.1
Bread and other bakery products.....	139	129	129	129	130	130	124	120	141	145	166	170	165	70.6
Printing and publishing, newspapers and periodicals.....	131	138	135	131	126	122	124	120	125	126	136	138	151	79.5
Tobacco, cigars and cigarettes.....	3,851	3,795	3,827	3,990	3,463	3,669	3,998	4,061	2,759	4,086	4,124	4,150	4,280	64.0
Total for cities.....	28,060	30,748	29,824	28,518	26,426	26,917	27,359	28,166	23,816	28,287	28,586	28,736	29,471	77.5
Males.....	23,694	26,308	25,441	23,097	22,486	22,818	22,985	23,534	20,452	23,685	23,890	24,098	24,634	77.7
Females.....	4,375	4,435	4,383	4,521	3,940	4,099	4,374	4,632	5,363	4,582	4,696	4,638	4,837	69.5
JACKSONVILLE.....	7,168	9,093	8,734	7,941	7,402	7,002	6,522	6,530	6,740	6,731	6,493	6,446	6,322	69.5
Males.....	6,724	8,625	8,284	7,526	7,005	6,660	6,152	6,111	6,263	6,253	5,996	5,941	5,852	67.8
Females.....	444	468	450	415	397	382	370	419	477	478	497	505	470	73.3
KEY WEST.....	2,313	2,170	2,208	2,326	2,316	2,349	2,378	2,416	2,437	1,864	2,340	2,477	2,475	75.3
Males.....	1,803	1,621	1,661	1,749	1,739	1,778	1,788	1,823	1,829	1,588	1,989	2,040	2,026	77.8
Females.....	510	549	547	577	577	571	590	593	608	276	351	437	449	45.4
MIAMI.....	708	660	682	684	655	651	680	685	695	700	767	808	829	78.5
Males.....	656	612	628	634	606	604	631	642	647	648	709	748	760	79.5
Females.....	52	48	54	50	49	47	46	43	48	52	58	60	69	62.3
PENSACOLA.....	4,586	4,955	4,922	4,228	4,055	4,158	4,287	4,545	4,510	4,628	4,710	5,003	5,081	80.6
Males.....	4,531	4,800	4,858	4,169	3,997	4,102	4,231	4,485	4,461	4,581	4,664	4,958	4,973	80.4
Females.....	55	65	64	59	58	56	56	60	49	47	40	45	58	69.2
ST. PETERSBURG.....	215	212	214	207	201	195	192	190	201	204	228	282	254	67.4
Males.....	201	200	202	194	189	183	182	180	190	191	210	253	238	71.1
Females.....	14	12	12	13	12	12	10	10	11	13	18	29	16	34.5
TAMPA.....	13,079	13,653	13,064	12,132	11,797	12,502	13,300	13,800	9,232	14,140	14,048	12,720	14,530	63.4
Males.....	9,779	10,360	9,808	9,725	8,950	9,471	9,998	10,288	7,059	10,424	10,322	10,158	10,785	65.5
Females.....	3,300	3,293	3,256	3,407	2,847	3,031	3,302	3,512	2,173	3,716	3,726	3,562	3,775	57.6



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	74,415	6,710	1,626	19,890	5,170	8,435	4,834	23,704	4,046
	1914	55,608	( <sup>2</sup> )	( <sup>2</sup> )	9,379	2,672	7,583	1,502	24,739	9,733
	1909	57,473	( <sup>2</sup> )	( <sup>2</sup> )	13,214	4,379	6,467	1,505	22,766	9,142
Boxes, cigar.....	1919	673			102	48	523			
	1914	457	( <sup>2</sup> )	( <sup>2</sup> )	38		419			
Boxes, wooden packing, except cigar boxes.....	1919	1,025	2		25		183		815	
	1914	807					5		752	50
Bread and other bakery products.....	1919	737	2		107	24	146	105	223	130
	1914	672	( <sup>2</sup> )	( <sup>2</sup> )	33	4	81	67	369	118
Cars and general shop construction and repairs by steam-railroad companies.....	1919	3,762			2,822		110	827	3	
	1914	2,311	( <sup>2</sup> )	( <sup>2</sup> )	16		982		424	889
Fertilizers.....	1919	1,390	3		126	3	181	427	650	
	1914	781	( <sup>2</sup> )	( <sup>2</sup> )	4		271	100	399	7
Foundry and machine-shop products <sup>1</sup> .....	1919	879	3		416	20	275	1	164	
	1914	561	( <sup>2</sup> )	( <sup>2</sup> )	38	8	385	29	95	6
Gas, illuminating and heating.....	1919	418			31	52	10	53	18	254
	1914	349					5	9	61	274
Ice, manufactured.....	1919	1,412	2		98	10	16	205	39	1,042
	1914	760	( <sup>2</sup> )	( <sup>2</sup> )	17	2	39	120	44	538
Lumber and timber products.....	1919	21,058	883	119	171	845	487	1,242	15,436	1,875
	1914	16,392	( <sup>2</sup> )	( <sup>2</sup> )	650	175	374	307	9,183	5,703
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	1,267	45		145	150	249	214	464	
	1914	1,159	( <sup>2</sup> )	( <sup>2</sup> )	58	5	509	101	449	37
Mineral and soda waters.....	1919	431	35	5	159	16	159	16	41	
	1914	271	( <sup>2</sup> )	( <sup>2</sup> )	47		115	21	83	5
Minerals and earths, ground or otherwise treated.....	1919	717						283	434	
	1914	220						16	204	
Printing and publishing, newspapers and periodicals.....	1919	841	12	7	624	25	126	35	12	
	1914	880	( <sup>2</sup> )	( <sup>2</sup> )	416	31	269	142	22	
Shipbuilding, steel <sup>4</sup> .....	1919	7,838			7,713		125			
Shipbuilding, wooden, including boat building.....	1919	3,361	2		3,153	11	117		78	
	1914	486	( <sup>2</sup> )	( <sup>2</sup> )	342		110		34	
Tobacco, cigars and cigarettes.....	1919	12,393	1,620	1,102	1,821	2,417	2,976	648	1,421	388
	1914	10,761	( <sup>2</sup> )	( <sup>2</sup> )	1,247	861	2,706	189	4,260	1,498
Turpentine and rosin.....	1919	11,748	3,870	275	1,122	1,304	2,171	130	2,858	18
	1914	15,466	( <sup>2</sup> )	( <sup>2</sup> )	5,883	1,155	476	255	7,294	403
Wood distillation <sup>4</sup> .....	1919	412		2				344		66
All other industries.....	1919	4,053	231	116	1,255	245	764	121	1,048	273
	1914	3,275	( <sup>2</sup> )	( <sup>2</sup> )	590	431	837	140	1,066	205
Total for cities.....	1919	28,069	1,701	725	13,479	2,854	4,286	1,327	2,422	1,275
	1914	12,743	( <sup>2</sup> )	( <sup>2</sup> )	1,813	908	4,183	602	3,485	1,752
JACKSONVILLE.....	1919	7,168	57	18	4,474	232	529	329	934	595
	1914	2,816	( <sup>2</sup> )	( <sup>2</sup> )	634	394	597	181	715	295
KEY WEST.....	1919	2,313	82	447	713	2	779	148	6	136
	1914	2,037	( <sup>2</sup> )	( <sup>2</sup> )	120	144	519	25	541	688
MIAMI <sup>4</sup> .....	1919	708	62		272	30	165	157	8	14
PENSACOLA.....	1919	4,586	2		4,053	3	27	200	201	100
	1914	835	( <sup>2</sup> )	( <sup>2</sup> )	102	7	514	26	98	88
ST. PETERSBURG <sup>4</sup> .....	1919	215			69	8	106	2	3	27
TAMPA.....	1919	13,079	1,498	260	3,898	2,579	2,680	491	1,270	403
	1914	7,055	( <sup>2</sup> )	( <sup>2</sup> )	957	303	2,553	370	2,131	681

<sup>1</sup> Includes 48 and under for 1914 and 1909.<sup>2</sup> Corresponding figures not available.<sup>3</sup> Includes "iron and steel, welding."<sup>4</sup> 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.		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.....	2,582	74,415	242	1,041	2,518	685	8,181	361	11,592	97	6,813	101	15,810	40	14,038	11	7,307	4	8,156
Boxes, cigar.....	4	673	.....	.....	.....	.....	.....	1	49	.....	.....	2	322	1	302	.....	.....	.....	.....
Boxes, wooden packing, except cigar boxes.....	20	1,025	.....	4	11	4	67	3	116	5	338	4	493	.....	.....	.....	.....	.....	.....
Bread and other bakery products.....	183	737	40	114	243	24	237	3	109	2	148	.....	.....	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.....	19	3,762	.....	2	5	1	20	2	88	4	276	3	409	6	2,299	1	665	.....	.....
Fertilizers.....	24	1,390	.....	8	21	4	54	4	167	1	76	7	1,072	.....	.....	.....	.....	.....	.....
Foundry and machine-shop products.....	64	872	3	25	62	23	230	9	299	4	281	.....	239	.....	.....	.....	.....	.....	.....
Gas, illuminating and heating.....	14	418	.....	3	10	9	117	.....	.....	.....	52	1	256	.....	.....	.....	.....	.....	.....
Ice, manufactured.....	95	1,412	1	39	118	36	374	13	397	4	267	2	256	.....	.....	.....	.....	.....	.....
Lumber and timber products.....	469	21,058	8	172	444	146	1,800	63	2,085	23	1,724	36	5,667	15	5,466	6	3,872	.....	.....
Lumber, planing-mill products, not including planing mills connected with sawmills.....	63	1,267	1	18	52	19	239	23	810	1	64	1	102	.....	.....	.....	.....	.....	.....
Mineral and soda waters.....	105	481	6	79	199	18	182	2	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Minerals and earths, ground or otherwise treated.....	5	717	.....	.....	.....	.....	.....	.....	.....	2	153	3	564	.....	.....	.....	.....	.....	.....
Printing and publishing, newspapers and periodicals.....	160	841	29	99	256	25	238	5	165	1	68	1	114	.....	.....	1	773	3	6,940
Shipbuilding, steel.....	5	7,838	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shipbuilding, wooden, including boat building.....	68	3,861	3	33	66	16	146	5	164	3	227	4	740	2	663	2	1,355	.....	.....
Tobacco, cigars and cigarettes.....	280	12,393	68	98	223	40	404	24	722	13	885	22	3,793	13	4,508	1	642	1	1,216
Turpentine and rosin.....	452	11,748	7	41	144	197	2,744	172	5,384	22	1,501	11	1,446	2	529	.....	.....	.....	.....
Wood distillation.....	6	412	.....	1	2	2	14	.....	.....	.....	59	2	337	.....	.....	.....	.....	.....	.....
All other industries.....	540	4,060	76	305	662	121	1,315	32	987	10	691	1	131	1	271	.....	.....	.....	.....
Total for cities.....	758	28,069	94	328	756	179	1,915	72	2,352	27	1,865	33	5,669	17	5,774	5	3,435	3	6,303
JACKSONVILLE.....	244	7,168	27	104	258	64	745	29	1,005	6	462	8	1,363	2	542	4	2,793	.....	.....
KEY WEST.....	69	2,313	11	31	73	9	85	5	142	5	324	0	619	2	770	.....	.....	.....	.....
MIAMI.....	73	708	8	37	89	19	187	6	192	2	123	1	117	.....	.....	.....	.....	1	2,964
PENSACOLA.....	70	4,586	2	32	70	23	266	5	148	4	264	2	440	1	434	.....	.....	.....	.....
ST. PETERSBURG.....	39	215	3	22	46	13	148	1	21	.....	.....	16	2,830	12	4,028	1	642	2	3,339
TAMPA.....	203	13,079	43	102	220	51	484	26	844	10	692	.....	.....	.....	.....	.....	.....	.....	.....

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.....	2,582	2,518	2,159	74,415	55,608	57,473	\$213,326,811	\$81,112,291	\$72,889,659	\$120,646,587	\$47,296,603	\$46,761,380
Less than \$5,000.....	584	903	623	558	1,826	1,387	1,335,817	2,214,019	1,547,102	833,133	1,419,338	1,062,701
\$5,000 to \$20,000.....	825	1,007	871	4,152	11,403	11,393	9,101,052	10,656,555	9,818,056	5,638,991	7,001,129	7,255,477
\$20,000 to \$100,000.....	824	450	527	10,118	14,829	18,613	37,703,293	19,438,464	20,734,942	23,024,960	11,812,820	14,123,529
\$100,000 to \$500,000.....	208	132	134	21,586	25,206	23,509	63,667,326	29,473,385	36,332,890	34,648,907	24,017,676	21,369,589
\$500,000 to \$1,000,000.....	48	21	—	11,162	2,254	2,571	33,351,961	13,486,076	4,456,669	20,462,993	3,045,642	2,950,084
\$1,000,000 and over.....	33	5	4	20,840	—	—	68,167,862	5,843,792	—	36,037,573	—	—

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	100.0	100.0	100.0	100.0
Less than \$5,000.....	22.6	35.9	28.9	0.7	3.3	2.4	0.6	2.7	2.1	0.7	3.0	2.3
\$5,000 to \$20,000.....	32.0	40.0	40.3	5.6	20.7	19.8	4.8	13.1	13.5	4.7	14.8	15.5
\$20,000 to \$100,000.....	31.0	17.9	24.4	21.7	26.7	32.4	17.7	24.0	28.4	19.1	25.0	30.2
\$100,000 to \$500,000.....	10.4	5.2	—	29.0	45.3	40.9	29.8	36.3	49.8	28.7	50.8	45.7
\$500,000 to \$1,000,000.....	1.9	0.8	—	15.0	—	—	15.6	16.6	—	17.0	—	—
\$1,000,000 and over.....	1.3	0.2	0.2	28.0	4.1	4.5	32.0	7.2	6.1	28.9	6.4	6.3

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
BOXES, WOODEN PACKING, EXCEPT CIGAR BOXES.....	20	13	100.0	100.0	1,025	807	100.0	100.0	\$2,539,732	\$932,554	100.0	100.0	\$1,414,182	\$607,181	100.0	100.0
Less than \$20,000.....	4	4	20.0	30.8	12	57	1.2	7.1	22,773	41,180	0.9	4.4	11,070	23,865	0.8	3.9
\$20,000 to \$100,000.....	8	5	40.0	38.5	295	272	28.8	33.7	452,055	240,099	17.8	25.7	270,307	192,043	19.1	31.6
\$100,000 to \$500,000.....	8	4	40.0	30.8	718	478	70.0	59.2	2,064,904	651,275	81.3	69.8	1,132,805	391,273	80.1	64.4
BREAD AND OTHER BAKERY PRODUCTS.....	183	184	100.0	100.0	737	672	100.0	100.0	5,143,559	2,169,320	100.0	100.0	1,592,033	977,107	100.0	100.0
Less than \$5,000.....	43	73	23.5	39.7	12	69	1.6	10.3	100,014	199,317	2.1	9.2	38,203	91,931	2.4	9.4
\$5,000 to \$20,000.....	85	90	46.4	48.9	137	270	18.6	40.2	910,521	829,259	17.7	38.2	326,721	364,360	20.5	37.3
\$20,000 to \$100,000.....	45	18	24.6	9.8	254	187	34.5	27.8	1,673,401	615,570	32.5	28.4	516,830	283,362	34.3	29.0
\$100,000 to \$500,000.....	10	3	5.5	1.6	334	146	45.3	21.7	2,450,623	525,174	47.6	24.2	680,279	237,514	42.7	24.3
FERTILIZERS.....	24	22	100.0	100.0	1,390	781	100.0	100.0	10,685,819	6,995,051	100.0	100.0	3,527,914	2,339,010	100.0	100.0
\$5,000 to \$20,000.....	14	3	16.7	13.6	18	17	0.6	2.2	143,983	43,712	0.4	0.6	116,770	26,103	0.5	1.1
\$20,000 to \$100,000.....	4	7	16.7	31.8	60	52	4.3	6.7	235,036	392,164	2.2	5.6	102,232	102,642	2.9	4.4
\$100,000 to \$500,000.....	10	8	41.7	36.4	557	712	40.1	91.2	2,991,092	2,192,177	28.0	31.3	955,167	2,210,625	27.4	94.5
\$1,000,000 and over.....	6	4	25.0	18.2	765	.....	55.0	.....	7,415,708	4,866,998	69.4	62.4	2,443,745	.....	69.3	.....
FOUNDRY AND MACHINE-SHOP PRODUCTS.....	70	56	100.0	100.0	879	561	100.0	100.0	3,549,227	1,127,354	100.0	100.0	2,015,894	694,014	100.0	100.0
Less than \$5,000.....	12	15	17.1	26.8	12	17	1.4	3.0	35,126	35,701	1.0	3.2	28,803	27,994	1.4	4.0
\$5,000 to \$20,000.....	23	28	32.9	50.0	76	164	8.6	29.2	229,068	276,569	6.5	24.5	171,039	201,699	8.5	29.1
\$20,000 to \$100,000.....	25	13	35.7	23.2	332	330	37.8	67.7	1,114,595	815,084	31.4	72.3	674,120	464,321	33.4	66.9
\$100,000 to \$500,000.....	10	.....	14.3	.....	459	.....	52.2	.....	2,170,438	.....	61.2	.....	1,141,932	.....	56.6	.....
ICE, MANUFACTURED.....	95	92	100.0	100.0	1,412	760	100.0	100.0	4,051,516	2,202,769	100.0	100.0	2,527,666	1,586,118	100.0	100.0
Less than \$5,000.....	12	13	12.6	14.1	23	32	1.6	4.2	38,063	46,506	0.9	2.1	21,101	27,382	0.8	1.7
\$5,000 to \$20,000.....	32	50	33.7	54.3	136	247	9.6	32.5	378,950	548,352	9.4	24.9	222,395	384,987	8.8	24.3
\$20,000 to \$100,000.....	42	26	44.2	28.3	664	319	47.0	42.0	1,824,910	1,139,428	45.0	51.7	1,105,291	802,702	47.3	50.6
\$100,000 to \$500,000.....	9	3	9.5	3.3	589	162	41.7	21.3	1,809,593	468,483	44.7	21.3	1,088,879	371,047	43.1	23.4
LUMBER AND TIMBER PRODUCTS.....	469	412	100.0	100.0	21,058	16,392	100.0	100.0	42,598,491	17,574,752	100.0	100.0	29,065,233	11,760,559	100.0	100.0
Less than \$5,000.....	108	145	23.0	35.2	178	450	0.8	2.7	251,299	328,028	0.6	1.9	179,639	234,909	0.6	2.0
\$5,000 to \$20,000.....	144	138	30.7	33.5	1,025	1,617	4.9	9.9	1,589,660	1,523,109	3.7	8.7	1,152,466	1,085,266	4.0	9.2
\$20,000 to \$100,000.....	132	83	28.1	20.1	3,030	3,870	14.4	23.6	5,603,052	4,076,531	13.2	23.2	3,055,533	2,644,129	13.6	22.5
\$100,000 to \$500,000.....	64	41	13.6	10.0	8,139	210,455	38.6	63.8	16,156,417	8,399,199	37.9	47.8	10,804,221	7,796,255	37.2	66.3
\$500,000 to \$1,000,000.....	13	5	2.8	1.2	4,151	.....	19.7	.....	9,223,404	3,247,885	21.7	18.5	6,939,233	.....	23.9	.....
\$1,000,000 and over.....	8	.....	1.7	.....	4,535	.....	21.5	.....	9,774,659	.....	22.9	.....	6,034,151	.....	20.8	.....
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS.....	63	82	100.0	100.0	1,267	1,159	100.0	100.0	5,270,931	2,949,592	100.0	100.0	2,153,741	1,162,916	100.0	100.0
Less than \$5,000.....	6	19	9.5	23.2	4	31	0.3	2.7	12,482	50,637	0.2	1.7	6,800	29,280	0.3	2.5
\$5,000 to \$20,000.....	11	25	17.5	30.5	40	163	3.2	14.1	112,496	277,072	2.1	9.4	64,236	127,516	3.0	12.3
\$20,000 to \$100,000.....	25	32	39.7	39.0	436	550	34.4	47.5	1,290,562	1,607,105	24.5	54.5	646,670	642,684	30.0	54.0
\$100,000 to \$500,000.....	21	6	33.3	7.3	787	415	62.1	35.8	3,855,391	1,014,778	73.1	34.4	1,436,026	363,436	66.7	31.3
MINERAL AND SODA WATERS.....	105	114	100.0	100.0	431	271	100.0	100.0	2,690,090	1,049,518	100.0	100.0	1,185,261	492,401	100.0	100.0
Less than \$5,000.....	24	58	22.8	50.9	22	69	5.1	25.5	60,240	150,033	2.2	14.4	31,438	82,262	2.7	16.7
\$5,000 to \$20,000.....	46	44	43.8	38.6	120	117	27.8	43.2	528,487	404,005	19.6	38.5	247,212	190,754	20.9	40.6
\$20,000 to \$100,000.....	30	12	28.6	10.5	202	85	46.9	31.4	1,218,298	494,880	45.3	47.2	524,060	210,385	44.2	42.7
\$100,000 to \$500,000.....	5	.....	4.8	.....	87	.....	20.2	.....	883,056	.....	32.8	.....	382,551	.....	32.8	.....
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.....	160	161	100.0	100.0	841	880	100.0	100.0	4,100,841	2,233,936	100.0	100.0	3,001,212	1,700,317	100.0	100.0
Less than \$5,000.....	55	88	34.4	54.7	43	139	5.1	15.8	131,615	240,553	3.2	10.8	99,716	197,207	3.3	11.6
\$5,000 to \$20,000.....	70	57	47.5	35.4	248	265	29.5	30.1	697,717	553,585	17.0	24.8	529,053	455,057	17.7	26.8
\$20,000 to \$100,000.....	21	12	13.1	7.5	188	186	22.4	21.1	835,588	498,228	20.4	22.3	655,120	394,634	21.8	23.2
\$100,000 to \$500,000.....	8	4	5.0	2.5	362	200	43.0	33.0	2,435,921	941,570	60.4	42.1	1,716,414	653,519	57.2	38.4
SHIPBUILDING, WOODEN, INCLUDING BOAT BUILDING.....	68	65	100.0	100.0	3,361	486	100.0	100.0	8,428,253	804,399	100.0	100.0	5,212,068	523,998	100.0	100.0
Less than \$5,000.....	19	36	27.9	55.4	16	40	0.5	8.2	47,201	94,575	0.6	11.8	37,518	62,744	0.7	12.0
\$5,000 to \$20,000.....	19	25	27.9	38.5	67	127	2.0	26.1	210,189	223,843	2.5	27.8	140,852	151,122	2.7	28.8
\$20,000 to \$100,000.....	18	64	26.5	6.2	241	819	7.2	65.6	725,194	485,981	8.6	60.4	497,474	310,132	8.6	59.2
\$100,000 to \$500,000.....	8	.....	11.8	.....	1,039	.....	30.9	.....	2,550,587	.....	30.8	.....	1,362,874	.....	26.1	.....
\$1,000,000 and over.....	4	.....	5.9	.....	1,998	.....	59.4	.....	4,895,082	.....	58.1	.....	3,173,350	.....	60.9	.....
TOBACCO, CIGARS AND CIGARETTES.....	250	270	100.0	100.0	12,393	10,761	100.0	100.0	37,926,394	19,385,659	100.0	100.0	22,392,139	11,646,998	100.0	100.0
Less than \$5,000.....	120	154	42.9	57.0	92	235	0.7	2.2	220,871	310,355	0.6	1.6	118,681	191,036	0.5	1.6
\$5,000 to \$20,000.....	67	50	23.9	18.5	346	366	2.8	3.4	701,245	511,733	1.8	2.6	390,725	309,185	1.8	2.7
\$20,000 to \$100,000.....	47	25	16.8	9.3	1,350	708	10.9	6.6	3,230,475	1,193,780	8.5	6.2	1,952,240	720,021	8.7	6.2
\$100,000 to \$500,000.....	20	27	7.1	10.0	2,198	9,452	17.7	87.8	5,745,351	7,423,542	15.2	38.3	3,810,117	10,420,750	14.8	89.5
\$500,000 to \$1,000,000.....	17	6	6.1	5.2	3,776	.....	30.5	.....	12,050,350	90,946,240	31.8	51.3	7,281,809	.....	32.5	.....
\$1,000,000 and over.....	9	.....	3.2	.....	4,631	.....	37.4	.....	15,966,102	.....	42.1	.....	9,329,597	.....	41.7	.....
TURPENTINE AND ROSIN.....	452	508	100.0	100.0	11,748	15,466	100.0	100.0	21,508,553	9,573,083	100.0	100.0	15,649,729	6,989,518	100.0	100.0
Less than \$5,000.....	14	47	3.1	9.3	19	414	0.2	2.7	34,547	165,844	0.2	1.7	23,601	111,144	0.2	1.6
\$5,000 to \$20,000.....	114	329	25.2	64.8	1,155	7,245	9.8	46.8	1,526,089	3,760,797	7.1	39.3	1,125,463	2,701,012	7.2	38.6
\$20,000 to \$100,000.....	282	125	62.4	24.6	7,193	6,361	61.2	41.1	12,011,070	4,595,655	55.8	48.0	8,857,997	3,417,759	56.6	48.9
\$100,000 to \$500,000.....	42	7	9.3	1.4	3,351	1,446	28.8	9.3	7,936,838	1,050,787	36.9	11.0	5,643,568	750,603	36.1	10.9

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 "\$500,000 to \$1,000,000."

4 Includes "iron and steel, welding."

5 Includes the group "\$100,000 to \$500,000."

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

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.		CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
JACKSONVILLE.....	244	7,168	100.0	\$31,212,494	100.0	\$13,612,659	100.0	PENSACOLA.....	70	4,586	100.0	\$18,006,919	100.0	\$7,771,857	100.0
Less than \$5,000.....	54	37	0.5	116,531	0.4	79,443	0.6	Less than \$5,000.....	14	20	0.4	36,081	0.2	23,930	0.3
\$5,000 to \$20,000.....	69	244	3.4	753,953	2.4	495,827	3.6	\$5,000 to \$20,000.....	19	67	1.5	256,545	1.4	139,280	1.8
\$20,000 to \$100,000.....	69	937	13.1	3,203,788	10.3	1,833,254	13.5	\$20,000 to \$100,000.....	20	188	4.1	980,206	5.4	511,147	6.6
\$100,000 to \$500,000.....	37	1,538	21.5	8,814,045	28.2	3,591,809	26.4	\$100,000 and over.....	17	4,311	94.0	16,734,057	92.9	7,097,500	91.3
\$500,000 to \$1,000,000.....	6	912	12.7	4,509,426	14.4	2,009,345	14.8	ST. PETERSBURG..	39	215	100.0	1,004,938	100.0	490,152	100.0
\$1,000,000 and over.....	9	3,500	48.8	13,813,851	44.3	5,602,981	41.2	Less than \$5,000.....	10	7	3.3	29,407	2.9	15,864	3.2
KEY WEST.....	60	2,313	100.0	6,520,351	100.0	3,744,168	100.0	\$5,000 to \$20,000.....	15	45	20.9	179,630	17.9	94,141	19.2
Less than \$5,000.....	22	17	0.7	37,838	0.6	22,584	0.6	\$20,000 to \$100,000.....	14	163	75.8	795,881	79.2	380,147	77.6
\$5,000 to \$20,000.....	19	99	4.3	220,623	3.4	128,443	3.4	TAMPA.....	263	13,079	100.0	42,461,377	100.0	25,188,234	100.0
\$20,000 to \$100,000.....	15	205	8.9	610,934	9.8	365,977	9.8	Less than \$5,000.....	84	71	0.5	179,694	0.4	99,892	0.4
\$100,000 and over.....	13	1,992	86.1	5,620,957	86.2	3,220,164	86.2	\$5,000 to \$20,000.....	54	189	1.4	645,308	1.5	353,108	1.4
MIAMI.....	73	708	100.0	2,722,612	100.0	1,499,431	100.0	\$20,000 to \$100,000.....	73	1,046	8.0	3,048,309	7.2	1,488,146	5.9
Less than \$5,000.....	18	14	2.0	53,039	1.9	38,522	2.6	\$100,000 to \$500,000.....	25	1,554	11.9	5,916,609	13.9	3,257,434	12.9
\$5,000 to \$20,000.....	25	80	11.3	263,241	9.7	158,469	10.6	\$500,000 to \$1,000,000.....	18	3,988	30.5	12,355,446	29.1	7,538,941	29.9
\$20,000 to \$100,000.....	23	265	37.4	1,019,875	37.5	544,623	36.3	\$1,000,000 and over.....	9	6,231	47.6	20,315,951	47.8	12,450,713	49.4
\$100,000 to \$500,000.....	7	349	49.3	1,386,457	50.9	757,817	50.5								

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

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISH- MENTS 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.						
		Indi- vid- u-als.	Cor- pora- tions.	All oth- ers.		Indi- vid- u-als.	Cor- pora- tions.	All oth- ers.	Indi- vid- u-als.	Cor- pora- tions.	All oth- ers.		Indi- vid- u-als.	Corpora- tions.	All others.	Indi- vid- u-als.	Cor- pora- tions.	All oth- ers.				
All industries.....	1919	1,229	750	603	74,415	9,209	54,694	10,512	12.4	73.5	14.1	\$213,326,811	\$22,290,515	\$166,210,162	\$24,826,134	10.4	77.9	11.6				
	1914	1,210	628	680	55,608	9,004	34,970	11,634	16.2	62.9	20.9	81,112,291	11,082,871	58,337,964	11,691,456	13.7	71.9	14.4				
	1909	951	501	707	57,473	9,520	31,589	16,364	16.6	55.0	28.4	72,889,659	10,807,500	45,815,852	16,266,307	14.8	62.9	22.3				
Boxes, wooden packing, except cigar boxes.	1919	5	10	5	1,025	177	571	277	17.3	55.7	27.0	2,539,732	432,227	1,489,072	618,433	17.0	58.6	24.4				
	1914	4	7	2	807	1327	480		40.5	59.5	.....	932,554	1352,611	579,943		37.8	62.2					
Bread and other bakery products.	1919	133	19	31	737	343	307	87	46.5	41.7	11.8	5,143,559	2,499,115	2,017,921	626,523	48.6	39.2	12.2				
	1914	144	8	32	672	395	177	100	58.8	26.3	14.9	2,169,320	1,322,267	491,551	355,503	61.0	22.7	16.4				
Cars and generalshop con- struction and repairs by steam - railroad com- panies.	1919	.....	19	.....	3,762	.....	3,762	.....	100.0	.....	.....	8,468,318	.....	8,468,318	.....	100.0	.....	.....				
	1914	.....	13	.....	2,311	.....	2,311	.....	100.0	.....	.....	2,589,930	.....	2,589,930	.....	100.0	.....	.....				
Fertilizers.....	1919	.....	22	2	1,390	.....	1,390	.....	100.0	.....	.....	10,685,819	.....	10,685,819	.....	100.0	.....	.....				
	1914	2	19	1	781	18	763	.....	2.3	97.7	.....	6,995,051	163,095	6,931,956	.....	0.9	99.1	.....				
Foundry and machine- shop products. <sup>1</sup>	1919	34	25	11	879	134	691	54	15.2	78.6	6.1	3,549,227	471,279	2,849,914	228,034	13.3	80.3	6.4				
	1914	24	18	14	561	101	364	96	18.0	64.9	17.1	1,127,354	216,228	733,393	177,733	19.2	65.1	15.8				
Ice, manufactured.....	1919	20	63	12	1,412	102	1,218	92	7.2	86.3	6.5	4,051,516	271,211	3,495,611	284,694	6.7	86.3	7.0				
	1914	14	66	12	760	58	650	52	7.6	85.5	6.8	2,202,769	138,364	1,919,727	144,078	6.3	87.1	6.6				
Lumber and timber products.	1919	225	117	127	21,058	2,191	16,381	2,486	10.4	77.8	11.8	42,598,491	4,009,830	33,139,787	5,448,874	9.4	77.8	12.8				
	1914	210	101	101	16,392	2,288	12,124	1,980	14.0	74.0	12.1	17,574,752	2,198,273	13,488,902	1,887,577	12.5	76.8	10.7				
Lumber, planing - mill products, not including planing mills con- nected with sawmills.	1919	23	28	12	1,267	235	844	188	18.5	66.6	14.9	5,270,931	1,043,000	3,514,004	713,927	19.8	66.7	13.5				
	1914	34	28	20	1,159	222	780	157	19.2	67.3	13.5	2,949,592	558,412	1,952,733	438,447	18.9	66.2	14.9				
Mineral and soda waters..	1919	54	30	21	431	150	219	62	34.8	50.8	14.4	2,690,090	792,556	1,617,302	280,232	29.5	60.1	10.4				
	1914	64	22	28	271	100	110	61	36.9	40.6	22.5	1,049,518	336,014	523,931	189,573	32.0	40.9	18.1				
Printing and publishing, newspapers and period- icals.	1919	82	56	22	841	189	583	69	22.5	69.3	8.2	4,100,841	504,705	3,354,656	241,480	12.3	81.8	5.9				
	1914	78	57	26	880	195	543	142	22.2	61.7	16.1	2,233,936	375,734	1,574,245	283,957	16.8	70.5	12.7				
Shipbuilding, wooden, in- cluding boat building.	1919	38	21	9	3,361	132	2,636	593	3.9	78.4	17.6	8,428,253	395,979	6,869,252	1,163,022	4.7	81.5	13.8				
	1914	48	5	12	486	127	326	33	26.1	67.1	6.8	804,399	244,042	496,281	64,076	30.3	61.7	8.0				
Slaughtering and meat packing.	1919	1	5	2	348	120	328	.....	5.7	94.3	.....	5,316,186	1544,181	4,772,005	.....	10.2	89.8	.....				
	1914	6	3	2	54	117	37	.....	31.5	68.5	.....	925,356	1325,204	600,182	.....	35.1	64.9	.....				
Tobacco, cigars and ciga- rettes.	1919	161	53	66	12,393	900	9,964	1,529	7.3	80.4	12.3	37,926,394	2,253,934	31,933,448	3,739,012	5.9	84.2	9.9				
	1914	159	52	59	10,761	1,159	8,196	1,406	10.8	76.2	13.1	19,385,659	1,653,615	15,328,842	2,393,202	8.5	79.1	12.3				
Turpentine and resin.....	1919	175	107	170	11,748	3,502	4,257	3,989	29.8	36.2	34.0	21,508,553	5,692,083	8,428,667	7,387,803	26.5	39.2	34.3				
	1914	153	100	255	15,466	3,425	5,292	6,749	22.1	34.2	43.6	9,573,083	1,961,374	3,588,009	4,023,700	20.5	37.5	42.0				

<sup>1</sup> Includes the group "All others."<sup>2</sup> Includes "iron and steel, welding"

## MANUFACTURES—FLORIDA.

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

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISH- MENTS 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.						
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.				
Total for cities.....	1919 1914	359 246	249 148	150 110	28,669 12,743	1,912 1,540	23,294 9,458	2,863 1,745	6.8 12.1	83.0 74.2	10.2 13.7	\$101,928,691 29,407,949	\$7,026,904 2,927,446	\$86,411,128 23,140,784	\$8,490,659 3,339,719	6.9 10.0	84.8 78.7	8.3 11.4				
JACKSONVILLE.....	1919 1914	105 79	102 65	37 29	7,168 2,816	511 349	6,117 2,369	540 98	7.1 12.4	85.3 84.1	7.5 3.5	31,212,494 10,147,679	1,912,940 712,743	27,439,095 9,195,496	1,860,459 239,440	6.1 7.0	87.9 90.6	6.0 2.4				
KEY WEST.....	1919 1914	36 33	19 14	14 18	2,313 2,037	256 76	1,910 1,629	147 332	11.1 3.7	82.6 80.0	6.4 16.3	6,520,351 3,389,026	557,513 144,028	5,566,480 2,777,174	396,358 467,824	8.6 4.2	85.4 81.9	6.1 13.8				
MIAMI.....	1919	42	17	14	708	215	404	89	30.4	57.1	12.6	2,722,612	658,350	1,628,227	436,026	24.2	59.8	16.0				
PENSACOLA.....	1919 1914	30 29	32 21	8 14	4,586 835	138 122	4,108 625	340 88	3.0 14.6	89.6 74.8	7.4 10.5	18,006,919 1,832,327	759,899 345,689	16,403,900 1,224,775	843,120 261,863	4.2 18.9	91.1 66.8	4.7 14.3				
ST. PETERSBURG.....	1919	21	10	8	215	57	83	75	26.5	38.6	34.9	1,004,938	398,800	352,459	253,679	39.7	35.1	25.2				
TAMPA.....	1919 1914	125 105	69 48	69 49	13,079 7,055	735 993	10,672 4,835	1,672 1,227	5.6 14.1	81.6 68.5	12.8 17.4	42,461,377 14,038,917	2,739,393 1,724,986	35,020,967 9,943,339	4,701,017 2,370,592	6.5 12.3	82.5 70.8	11.1 16.9				

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

	Cen- sus 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.			
			Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.
Number of places.....	1919 1914 1909		6 4 4		2 1 2		4 3 2			
Population <sup>1</sup> .....	1920 1915 1910	968,470 848,111 752,619	236,758 165,691 138,408	24.4 19.5 18.4	32,986 21,150 42,927	3.4 2.5 5.7	203,772 144,541 95,481	21.0 17.0 12.7	731,712 682,420 614,211	75.6 80.5 81.6
Number of establishments.....	1919 1914 1909	2,582 2,518 2,159	758 504 411	29.4 20.0 19.0	108 65 115	4.2 2.6 5.3	650 439 296	25.2 17.4 13.7	1,824 2,014 1,748	70.6 80.0 81.0
Average number of wage earners.....	1919 1914 1909	74,415 55,608 57,473	28,069 12,743 12,145	37.7 22.9 21.1	2,528 2,037 3,371	3.4 3.7 5.9	25,541 10,706 8,774	34.3 19.3 15.3	46,346 42,865 45,328	62.3 77.1 78.9
Value of products.....	1919 1914 1909	\$213,326,811 81,112,291 72,889,650	\$101,928,691 29,407,949 26,328,853	47.8 36.3 36.1	\$7,525,289 3,389,026 5,802,826	3.5 4.2 8.0	\$94,403,402 26,018,923 20,526,027	44.3 32.1 28.2	\$111,398,120 51,704,342 46,500,806	52.2 63.7 63.9
Value added by manufacture.....	1919 1914 1909	120,646,587 47,296,603 46,761,380	52,306,501 15,711,825 13,976,818	43.4 33.2 29.9	4,234,320 1,969,947 3,300,866	3.5 4.2 7.1	48,072,181 13,741,878 10,675,952	39.8 29.1 22.8	68,340,086 31,584,778 32,784,562	56.6 66.8 70.1

<sup>1</sup> 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 CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

CITY AND INDUSTRY	VALUE OF PRODUCTS.				CITY AND INDUSTRY.	VALUE OF PRODUCTS.			
	Amount, 1919.	Per cent of total for the state.	Increase <sup>1</sup> over 1914.			Amount, 1919.	Per cent of total for the state.	Increase <sup>1</sup> over 1914.	
			Amount.	Per cent.				Amount.	Per cent.
JACKSONVILLE.					TAMPA.				
Shipbuilding, wooden, including boat building.....	\$4,519,391	53.6	(2)	.....	Tobacco, cigars and cigarettes.....	\$28,472,994	75.1	\$18,108,321	174.7
Bread and other bakery products.....	1,781,486	34.6	\$1,121,265	169.8	Printing and publishing, newspapers and periodicals.....	980,834	23.9	590,512	151.3
Foundry and machine-shop products.....	1,268,314	36.2	1,116,657	736.3	Bread and other bakery products.....	593,775	11.5	361,945	156.1
Printing and publishing, newspapers and periodicals.....	1,144,311	27.9	487,289	74.2	Lumber, planing-mill products, not including planing mills connected with sawmills.....	557,676	10.6	222,083	66.2
Tobacco, cigars.....	1,068,607	2.8	659,427	161.2	Ice, manufactured.....	428,289	10.6	246,973	136.2
Lumber, planing-mill products, not including planing mills connected with sawmills.....	906,484	17.2	(2)	.....	Foundry and machine-shop products.....	341,121	9.7	-2,701	-0.8
Printing and publishing, book and job.....	638,305	42.1	234,781	58.2	Confectionery and ice cream.....	339,097	30.5	226,924	202.3
Mineral and carbonated waters.....	614,626	22.8	473,482	335.5	Coffee, roasting and grinding.....	309,467	19.3	84,037	37.3
Patent medicines and compounds.....	601,765	31.5	(2)	.....	Boxes, cigar.....	(2)	.....	(2)	.....
Turpentine and rosin.....	448,634	2.1	(2)	.....	Gas, illuminating and heating.....	(2)	.....	(2)	.....
Copper, tin, and sheet-iron work.....	307,051	56.8	243,013	379.5	Liquors, malt.....	(2)	.....	(2)	.....
Bags, other than paper, not including bags made in textile mills.....	(2)	.....	(2)	.....	Mineral and carbonated waters.....	(2)	.....	(2)	.....
Cars and general shop construction and repairs by steam-railroad companies.....	(2)	.....	(2)	.....	Shipbuilding, steel, new vessels.....	(2)	.....	(2)	.....
Coffee, roasting and grinding.....	(2)	.....	(2)	.....	Shipbuilding, wooden, including boat building.....	(2)	.....	(2)	.....
Confectionery and ice cream.....	(2)	.....	(2)	.....					
Cooperage, hogsheads and barrels.....	(2)	.....	(2)	.....					
Fertilizers.....	(2)	.....	(2)	.....					
Food preparations, sweetening sirups other than cane.....	(2)	.....	(2)	.....					
Gas, illuminating and heating.....	(2)	.....	(2)	.....					
Ice, manufactured.....	(2)	.....	(2)	.....					
Oil and cake, cottonseed.....	(2)	.....	(2)	.....					
Shipbuilding, concrete.....	(2)	.....	(2)	.....					
Slaughtering and meat packing.....	(2)	.....	(2)	.....					
Wood preserving.....	(2)	.....	(2)	.....					

<sup>1</sup> A minus sign (—) denotes decrease.<sup>2</sup> Figures can not be shown without disclosing individual operations.

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

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	4,597	3,166	2,445	139,456	100,071	83,816	100.0	100.0	100.0
Owned.....	1,992	1,966	2,044	116,436	93,586	86,376	83.5	93.5	96.2
Steam <sup>1</sup> .....	1,516	1,433	1,783	111,487	88,939	84,708	79.9	88.9	94.3
Engines.....	1,477	( <sup>2</sup> )	( <sup>2</sup> )	105,944	( <sup>2</sup> )	( <sup>2</sup> )	76.0	( <sup>2</sup> )	( <sup>2</sup> )
Turbines.....	39	( <sup>2</sup> )	( <sup>2</sup> )	5,543	( <sup>2</sup> )	( <sup>2</sup> )	4.0	( <sup>2</sup> )	( <sup>2</sup> )
Internal-combustion engines.....	461	521	250	4,706	4,464	1,497	3.4	4.5	1.7
Water.....	15	12	11	243	183	171	0.2	0.2	0.2
Water wheels and turbines.....	13	6	10	227	128	168	0.2	0.1	0.2
Water motors.....	2	6	1	16	55	3	( <sup>2</sup> )	0.1	( <sup>2</sup> )
Rented.....	2,605	1,200	401	23,020	6,485	3,440	16.5	6.5	3.8
Electric.....	2,605	1,200	401	22,655	6,406	3,353	16.2	6.4	3.7
Other.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	365	79	87	0.3	0.1	0.1
Electric.....	3,131	1,523	579	35,135	12,888	7,563	100.0	100.0	100.0
Rented.....	2,605	1,200	401	22,655	6,406	3,353	64.5	49.7	44.3
Generated by establishments reporting.....	526	323	178	12,480	6,482	4,210	35.5	50.3	55.7

<sup>1</sup> Figures for horsepower include for 1909 the amount reported under the head "Other" owned power.<sup>2</sup> Less than one-tenth of 1 per cent.

Not reported separately.

TABLE 18.—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.....	5,110	202,577	36,384	393,754	28,576	20,725
..... 1914.....	16,489	143,553	17,522	141,374	(1)	9,560
Per cent of increase 2.....	-69.0	82.9	107.6	198.7		116.8
Cars and general shop construction and repairs by steam-railroad companies.....		121,359	160	30,324		
Fertilizers.....	127	8,526		19,435	2,623	
Gas, illuminating and heating.....	3,360	33,473	19,198	48,807	8,007	
Ice, manufactured.....	9	38,713	777	140,605	1,848	1,320
Minerals and earths, ground or otherwise treated.....	100	12,857		73,642	492	
Shipbuilding, steel.....		14,602	1,733	27,170	1,313	
Slaughtering and meat packing.....		1,370	8,199	25	80	
Wood distillation.....		3,579		22,467	6,174	
All other industries.....	1,514	23,198	6,317	10,219	7,409	19,405
Total for cities.....	4,248	123,474	30,757	150,475	9,425	14,882
JACKSONVILLE.....	3,824	100,686	18,275	25,096	457	8,410
KEY WEST.....	1	35	1,194	5,356		138
MIAMI.....	384	421	2,001	17,147		850
PENSACOLA.....	4	20,826	3,619	20,057		482
ST. PETERSBURG.....	5	565	1,454	5,289		1,447
TAMPA.....	30	941	4,214	77,530	8,968	3,495

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 in Florida are here presented.

Lumber and timber products (Table 19).—This table presents statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. The relative importance of Florida as a lumber-producing state has been increasing. In 1909 this state ranked seventeenth among the states in the production of lumber; in 1914, fifteenth; and in 1919, tenth. The largest cut reported for the state, however, was in 1909, the production for 1919 as compared with 1909 showing a decrease of 5.4 per cent.

In 1919 the cut, by species, was reported as follows: Yellow pine, 1,004,766,000 feet, or 88.3 per cent of the total cut of the state, and cypress 120,433,000 feet, or 10.6 per cent. The hardwoods contributed 12,233,000 feet, or 1.1 per cent, the principal species being gum, ash, hickory, tupelo, cottonwood, and oak.

TABLE 19.—LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY. <sup>1</sup>		
	1919	1914	1909
Lumber..... M feet b. m.....	1,137,432	1,073,821	1,201,734
Lath..... thousands.....	76,402	(2)	55,741
Shingles..... thousands.....	128,286	(2)	283,206

1 The output of custom mills is included in 1919 and 1909, but not in 1914.

2 Not reported.

Shipbuilding, including boat building (Tables 20 and 21).—This industry includes the building of steel and wooden vessels, as well as small craft, and the repair of such vessels. Comparisons of the 1919 figures for this industry, unlike those for any other

for which totals are presented, are made with that of the special census for shipbuilding, 1916.

The number and tonnage of all vessels launched in 1919 and 1916 are shown, by classes, in Table 20.

TABLE 20.—SHIPBUILDING, INCLUDING BOAT BUILDING—NUMBER AND TONNAGE: 1919 AND 1916.

PRODUCT.	1919		1916	
	Num-ber.	Gross tonnage.	Num-ber.	Gross tonnage.
Vessels of 5 gross tons and over launched during the year.....	62	109,553	45	6,614
Steel—				
Steam.....	15	81,381	13	1,884
Sail.....	1	460		
Wooden—				
Steam.....	6	11,515	1	20
Motor.....	17	2,183	10	101
Sail.....	6	3,324	5	41
Unrigged.....	17	10,690	26	4,568
Power boats of less than 5 gross tons.....	90		157	

1 Includes 1 motor vessel of 60 gross tons.

The value of work done upon vessels and boats of all kinds during 1919 and 1916 is shown in Table 21.

TABLE 21.—SHIPBUILDING, INCLUDING BOAT BUILDING—VALUE: 1919 AND 1916.

	1919	1916
Total value of work.....	\$32,662,379	\$1,795,519
Work done during the year on new vessels and boats.....	23,637,040	670,830
Vessels of 5 gross tons and over.....	129,523,410	592,859
Steel.....	23,999,848	(2)
Wood.....	5,523,571	(2)
Boats of less than 5 gross tons.....	113,021	77,071
Power boats of all kinds.....	86,317	72,670
Sailboats, rowboats, etc.....	27,304	5,301
Repair work.....	2,777,261	913,678
All other.....	248,078	211,011

1 Includes 1 establishment engaged in the construction of concrete vessels.

2 Not shown separately to avoid disclosure of individual operations.

The total number of vessels of 5 gross tons and over launched increased by only 17 from 1916 to 1919, but



there was a tremendous increase in gross tonnage during the same period, which occurred mostly in steel vessels operated by steam power. Most of the steel vessels constructed were for freight service, and several of them exceeded 6,000 gross tonnage.

All types of craft increased both in number and tonnage since 1916, except unrigged vessels and power boats of less than 5 gross tons, which decreased in number.

Turpentine and rosin (Table 22).—Florida has been the leading state in the production of these products for all years for which records are available since 1904. The quantities and values of turpentine and rosin produced by 452 establishments in 1919, 508 in 1914, and 593 in 1909 are shown in Table 22.

TABLE 22.—TURPENTINE AND ROSIN: 1919, 1914, AND 1909.

PRODUCT.	1919	1914	1909
Total value.....	\$21,508,553	\$9,573,083	\$11,937,518
Spirits of turpentine:			
Gallons.....	6,992,489	12,363,232	13,809,785
Value.....	\$8,238,251	\$4,820,679	\$5,847,478
Rosin:			
Barrels (280 pounds).....	868,628	1,810,307	1,555,749
Value.....	\$13,088,444	\$4,695,551	\$6,057,524
All other products, value.....	\$181,858	\$56,843	\$32,516

The quantities of turpentine and rosin produced decreased for both periods shown in the table, the decrease from 1914 to 1919 being 43.4 per cent for turpentine and 33.7 per cent for rosin, but, on account of the high prices of these products prevailing in 1919, the total value increased 124.7 per cent.

The working unit in the gathering of crude gum is called a "crop," which consists of 10,500 boxes or cups. In 1919 there were 5,410 crops worked in the state. Of these, 985 were from "virgin" trees, or trees worked the first year; 954 from "yearling," or trees worked the second year; and 3,471 from "pulling," or trees worked the third and subsequent years. Of the foregoing, 2,284 were worked from back-boxed timber—419 "virgin," 402 "yearling," and 1,463 "pulling."

The system in use for gathering crude gum is changing from the box system to the cup system. In 1909, 11.2 per cent of the total number of crops was gathered by the cup system; in 1914, 62.9 per cent; and in 1919, 84.9 per cent. The total number of crops reported for each year was 9,923 for 1909, 8,950 for 1914, and 5,410 for 1919.

Fertilizers (Table 23). This table shows the quantities and values of the chief products of the fertilizer industry in Florida in 1919, 1914, and 1909. Measured by value of products, the state ranked ninth among the states in 1919 and in 1914, and eleventh in 1909. The increase in quantity production, 1914 to 1919, was but 3.7 per cent, though the increase in

fertilizer values was 59 per cent, the average ton value being \$39.14 in 1919, as compared with \$25.53 per ton in 1914, and \$23.05 per ton in 1909.

TABLE 23.—FERTILIZERS: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$10,655,819	\$6,995,051	\$3,878,236
Fertilizers:			
Tons.....	254,556	245,449	155,852
Value.....	\$9,964,055	\$6,266,201	\$3,592,882
Complete and ammoniated fertilizers—			
Tons.....	175,746	199,606	98,322
Value.....	\$3,618,976	\$5,696,460	\$2,877,646
Superphosphates—			
Tons.....	68,992	36,701	46,570
Value.....	\$1,127,428	\$307,272	\$393,302
All other fertilizers—			
Tons.....	9,908	9,142	10,960
Value.....	\$217,651	\$262,469	\$321,534
All other products, value.....	\$721,764	\$728,850	\$285,414

Printing and publishing (Table 24).—This table shows the number of publications and their aggregate circulation, by period of issue, for the census years 1919, 1914, and 1909.

The aggregate circulation of publications shows a considerable increase. During the five-year period from 1914 to 1919 the circulation increased 55,466, or 14.2 per cent, and during the decade, 162,977, or 57.4 per cent.

Of the daily papers, 24 were published in the afternoon, their circulation being 81,544, or 49.2 per cent of the total daily circulation, and an increase of 26,058, or 46.9 per cent, over the afternoon circulation in 1914. The morning papers, although fewer in number, had the larger circulation in 1919, and the increase over 1914 was 20,664, or 32.5 per cent. The increase shown in the circulation of monthly publications is due to the establishment of several business and professional periodicals.

A Spanish weekly was the only publication printed in a foreign language.

TABLE 24.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.....	193	189	160	446,969	391,503	283,592
Daily.....	35	26	19	165,824	119,102	80,300
Sunday.....	13	9	6	89,177	83,171	48,539
Semiweekly.....	5	6	3	6,525	11,425	10,340
Weekly <sup>1</sup> .....	128	141	127	156,661	171,615	137,818
Monthly <sup>2</sup> .....	12	7	5	29,382	6,190	7,035

<sup>1</sup> Includes in 1919 1 triweekly.

<sup>2</sup> Includes in 1919 3 semimonthlies and in 1914, 1 quarterly.

Laundries (Table 25).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 25, however, summarizes the statistics for such laundries in Florida for 1919 and 1914.

TABLE 25.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, <sup>1</sup> 1914-1919.
	1919	1914	
Number of establishments.....	35	45	.....
Persons engaged.....	1,146	991	15.6
Proprietors and firm members.....	23	41	.....
Salaried employees.....	140	86	.....
Wage earners (average number).....	983	804	13.8
Primary horsepower.....	1,437	1,120	28.3
Capital.....	\$881,099	\$612,525	43.8
Salaries and wages.....	680,304	445,122	51.8
Salaries.....	192,147	91,908	108.9
Wages.....	488,157	353,124	37.1
Paid for contract work.....	5,643	5,790	-1.9
Rent and taxes.....	74,024	41,544	79.0
Cost of materials.....	365,461	182,317	100.5
Amount received for work done.....	1,480,051	946,314	56.4

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

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.....	10
Persons engaged.....	88
Proprietors and firm members.....	9
Salaried employees.....	13
Wage earners (average number).....	66
Primary horsepower.....	58
Capital.....	\$86,273
Salaries and wages.....	66,573
Salaries.....	14,037
Wages.....	52,536
Paid for contract work.....	11,882
Rent and taxes.....	9,430
Cost of materials.....	39,185
Amount received for work done.....	166,834

Custom gristmills and custom sawmills (Tables 27 and 28).—Statistics for custom gristmills and custom

sawmills 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 gristmills represents the selling value of the grain milled, and that for custom sawmills the amount charged for the work performed.

TABLE 27.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, <sup>1</sup> 1909-1919.
	1919	1909	
Number of establishments.....	99	88	.....
Persons engaged.....	124	144	-13.9
Proprietors and firm members.....	118	127	-7.1
Salaried employees.....	6	2	.....
Wage earners (average number).....	15	15	.....
Primary horsepower.....	1,643	1,839	-10.7
Capital.....	\$128,237	\$98,947	29.6
Salaries and wages.....	9,475	4,417	114.5
Salaries.....	169	169	.....
Wages.....	9,475	4,248	123.0
Rent and taxes.....	1,098	917	19.7
Cost of materials.....	380,305	237,351	60.2
Value of products.....	470,075	273,928	73.8

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

<sup>2</sup> Includes estimate of all grain ground.

TABLE 28.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, <sup>1</sup> 1909-1919.
	1919	1909	
Number of establishments.....	12	5	.....
Persons engaged.....	26	24	.....
Proprietors and firm members.....	15	10	.....
Salaried employees.....	1	1	.....
Wage earners (average number).....	11	13	.....
Primary horsepower.....	270	155	74.2
Capital.....	\$25,535	\$7,628	234.8
Salaries and wages.....	5,496	3,524	56.0
Salaries.....	78	78	.....
Wages.....	5,496	3,446	59.5
Rent and taxes.....	199	75	165.3
Cost of materials.....	1,514	252	500.8
Amount received for work done.....	13,607	6,817	99.6

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

## 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 Jacksonville, and for Key West, Pensacola, and Tampa, similar data for all industries combined.

Table 30 presents, for 1919, in the state as a whole and in Jacksonville and Tampa, 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.

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

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1919	2,582	74,415	139,456	\$87,438	\$92,680	\$213,327	Food preparations, not else- where specified.	1919	6	29	251	\$20	\$459	\$561
	1914	2,518	55,608	100,071	24,822	33,816	81,112		1914	7	23	84	11	41	60
	1909	2,159	57,473	89,816	22,982	26,128	72,890		1909	5	34	72	13	156	258
Artificial stone products.....	1919	36	183	146	161	164	413	Foundry and machine-shop products. <sup>2</sup>	1919	149	1,138	2,236	1,341	1,778	4,290
	1914	59	197	174	102	131	305		1914	87	694	1,517	463	534	1,498
	1909	32	124	44	57	93	215		1909	36	508	725	287	331	837
Awnings, tents, and sails.....	1919	9	49	12	54	479	674	Gas, illuminating and heating..	1919	14	418	1,074	422	933	1,959
	1914	7	23	11	14	39	68		1914	14	349	968	183	338	1,049
	1909								1909	12	210	746	113	182	565
Boxes, cigar.....	1919	4	673	643	508	750	1,683	Ice, manufactured.....	1919	95	1,412	18,011	1,153	1,524	4,052
	1914	4	457	459	225	282	635		1914	92	760	12,475	446	617	2,203
	1909	3	370	461	175	232	504		1909	70	461	8,585	224	354	1,297
Bread and other bakery prod- ucts.	1919	183	737	871	622	3,552	5,144	Lumber and timber products <sup>3</sup> ..	1919	552	23,350	75,228	18,427	17,776	51,499
	1914	184	672	495	369	1,192	2,169		1914	507	18,358	65,073	8,077	7,926	21,457
	1909	113	405	666	201	760	1,292		1909	515	19,227	65,097	7,551	6,239	20,863
Brick.....	1919	11	156	805	71	54	181	Marble and stone work.....	1919	10	53	77	54	81	190
	1914	14	222	1,320	84	94	288		1914	14	47	75	39	67	171
	1909	29	439	2,288	138	113	379		1909	10	42	.....	30	35	111
Canning and preserving <sup>1</sup> .....	1919	28	424	391	152	625	1,041	Mattresses and spring beds, not elsewhere specified.	1919	11	85	140	70	394	480
	1914	21	194	268	58	239	418		1914	8	60	101	39	110	177
	1909	18	188	70	51	80	213	Mineral and soda waters.....	1919	105	431	540	279	1,505	2,690
Carriages and wagons, includ- ing repairs.	1919	13	57	98	70	69	166		1914	114	271	412	119	557	1,050
	1914	46	169	203	115	95	305		1909	74	168	196	62	196	515
	1909	39	230	354	136	210	453	Minerals and earths, ground or otherwise treated.	1919	5	717	1,880	476	546	1,780
Cars and general shop construc- tion and repairs by electric- railroad companies.	1919	5	89	133	104	59	170		1914	4	220	606	65	91	271
	1914	4	77	193	50	36	96	Patent medicines and com- pounds.	1919	24	58	34	35	387	733
	1909	6	55	63	30	29	68		1914	18	24	6	11	39	116
									1909	10	26	4	9	75	176
Cars and general shop construc- tion and repairs by steam- railroad companies.	1919	19	3,762	3,557	4,744	3,229	8,468	Paving materials.....	1919	5	212	1,023	122	140	287
	1914	13	2,311	2,234	1,398	980	2,590		1914	5	124	310	55	24	106
	1909	12	1,753	1,035	1,018	601	1,743	Printing and publishing.....	1919	237	1,172	1,523	1,258	1,768	5,618
Coffee, roasting and grinding....	1919	18	68	185	51	1,300	1,602		1914	235	1,220	1,325	598	803	3,017
	1914	19	45	171	24	465	697		1909	174	965	791	520	434	1,866
	1909	13	29	83	11	194	262	Shipbuilding, wooden, includ- ing boat building.	1919	68	3,361	3,992	3,885	3,216	8,428
Confectionery and ice cream....	1919	27	105	395	74	762	1,112		1914	65	486	1,489	234	280	804
	1914	30	72	90	36	171	346		1909	52	482	873	289	233	697
Cooperage.....	1919	17	227	398	180	772	1,122	Slaughtering and meat packing.	1919	8	348	918	278	4,816	5,316
	1914	10	191	404	82	274	434		1914	11	54	144	32	789	925
	1909	10	133	360	48	217	333		1909	11	32	.....	20	392	467
Copper, tin, and sheet-iron work.	1919	22	99	81	117	297	540	Tobacco, cigars and cigarettes..	1919	280	12,393	192	11,875	15,534	37,926
	1914	26	124	86	84	254	399		1914	270	10,761	149	6,638	7,739	19,386
	1909	8	52	30	30	43	105		1909	229	12,280	109	7,169	8,685	21,575
Fertilizers.....	1919	24	1,390	4,368	1,103	7,158	10,686	Turpentine and rosin.....	1919	452	11,748	994	6,833	5,859	21,509
	1914	22	781	3,070	367	4,656	6,995		1914	508	15,466	913	4,015	2,584	9,573
	1909	12	589	1,710	218	2,875	3,878		1909	593	18,143	1,916	4,316	1,969	11,938
Flour-mill and gristmill prod- ucts.	1919	27	52	1,093	33	470	568	All other industries.....	1919	118	9,419	18,257	12,862	16,321	33,488
	1914	13	22	382	7	134	166		1914	87	1,134	4,864	382	2,235	3,428
	1909	6	11	141	5	139	164		1909	67	577	3,394	252	1,231	1,915

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

JACKSONVILLE.....	1919	244	7,168	13,356	7,292	17,600	31,212	JACKSONVILLE—Con. Mineral and carbonated waters.	1919	7	104	76	60	351	615
	1914	173	2,816	7,147	1,547	5,541	10,148		1914	9	34	31	17	59	141
	1909	114	1,988	5,165	988	3,997	6,722		1909	4	26	35	5	37	90
Artificial stone products.....	1919	4	42	8	40	34	96	Printing and publishing.....	1919	43	340	355	373	505	1,783
	1914	3	50	21	28	18	66		1914	41	281	366	301	353	1,061
	1909	3	40	12	17	18	49		1909	28	250	252	163	146	636
Bread and other bakery prod- ucts.	1919	22	270	192	233	1,218	1,781	Tobacco, cigars.....	1919	17	311	3	340	504	1,069
	1914	20	221	151	90	383	660		1914	17	272	.....	120	160	409
	1909	9	122	75	55	176	309		1909	14	134	.....	73	115	264
Carriages and wagons, includ- ing repairs.	1919	3	25	33	27	23	72	All other industries.....	1919	118	5,383	10,500	5,513	13,697	23,187
	1914	6	59	49	41	36	105		1914	52	1,469	5,026	692	4,005	6,732
	1909	4	67	34	42	35	100		1909	44	1,169	3,892	551	3,245	4,892
Copper, tin, and sheet-iron work.	1919	4	42	70	50	198	307	TAMPA.....	1919	203	13,079	7,513	14,534	17,273	42,461
	1914	6	29	13	21	48	64		1914	202	7,055	3,406	4,405	5,876	14,039
Foundry and machine-shop products.	1919	16	270	370	357	604	1,268		1909	182	6,786	2,536	4,033	5,853	13,804
	1914	8	88	94	70	39	152	All industries.							
	1909	8	180	865	82	225	382								

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

KEY WEST.....	1919	69	2,313	1,211	2,094	2,776	6,520	PENSACOLA.....	1919	70	4,586	5,243	5,789	10,235	18,007
	1914	65	2,037	722	1,100	1,419	3,359		1914	64	835	1,404	481	857	1,832
	1909	56	2,431	295	1,897	1,643	3,965		1909	59	940	1,226	466	859	1,837

<sup>1</sup> 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.

<sup>2</sup> Includes "automobile repairing" and "iron and steel, welding," in all years; and "engines, steam, gas, and water," and "structural ironwork, not made in steel works or rolling mills," in 1914 and 1909.

<sup>3</sup> Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."

<sup>4</sup> Includes "lumber, planing-mill products, not including planing mills connected with sawmills."

<sup>5</sup> Comparative statistics by industries for 1914 and 1909 not available.

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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.			16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Total.	Male.	Female.	Male.	Female.	
								Maximum month.	Minimum month.						
1 All industries.....	2,582	82,986	2,616	2,953	2,219	753	74,415	De 78,140	Au 71,298	(*)	(*)	(*)	(*)	(*)	Dollars. 206,293,570
2 Agricultural implements.....	3	8	4					(*)	(*)	4					65,022
3 Artificial stone products.....	36	244	50	9	1	1	133	No 269	Ja 103	268	262	6			225,434
4 Automobile bodies and parts.....	8	58	11	1	1	1	44	Je 46	Mh 38	44	44				106,059
5 Automobile repairing.....	79	380	96	12	8	5	259	De 278	Fe 247	288	287		1		378,180
6 Awnings, tents, and sails.....	9	75	10	9	4	3	49	Ja 59	Oc 42	51	34	17			169,335
7 Boxes, cigar.....	4	725	7	26	16	3	673	De 767	Ap 616	768	335	333			672,438
8 Boxes, set-up paper boxes and cartons.	3	29	1	6	2		20	No 37	Ja 0	30	4	26			35,754
9 Boxes, wooden packing, except cigar boxes.	20	1,113	14	57	15	2	1,025	Ap 1,136	Au 856	1,085	900	181	4		1,749,738
10 Bread and other bakery products.....	183	1,155	200	58	102	58	737	De 544	Je 681	848	671	166	11		2,037,964
11 Brick.....	11	182	17	9			156	Oc 169	Ja 139	155	154			1	242,001
12 Brooms.....	10	83	13	7	2	2	59	Ja 72	Je 42	60	39	21			130,083
13 Brushes.....	3	48	1	2	1		44	Oc 62	Je 26	51	29	22			67,015
14 Canning and preserving, fish.....	10	306	18	14	6	4	264	Oc 504	Jy 78	502	250	252			284,884
15 Canning and preserving, fruits and vegetables.	5	43	2	4		1	36	De 94	Ap 0	164	51	111	2		76,085
16 Carriages and wagons, including repairs.	13	78	17	3		1	57			75	74	1			158,178
17 Carriages and wagons.....	9	49	14				35	De 44	Mh 27	50	50				107,008
18 Repair work only.....	4	29	3			1	22	Fe 24	Jy 20	25	24	1			51,170
19 Cars and general shop construction and repairs by electric-railroad companies.	5	102		9	4		89	Ja 113	De 43	91	91				542,671
20 Cars and general shop construction and repairs by steam-railroad companies.	19	3,976		119	78	17	3,762	My 4,073	Jy 3,352	3,992	3,981	11			8,121,237
21 Coffee, roasting and grinding.....	18	120	19	5	25	3	68	Ap 71	Jy 65	70	52	17		1	557,214
22 Confectionery and ice cream.....	27	181	37	10	14	15	105			168	123	32	5	3	462,276
23 Confectionery.....	7	41	9	2	4	5	21	De 31	Au 18	31	16	15			60,307
24 Ice cream.....	20	140	28	8	10	10	84	My 93	Mh 71	137	112	17	5	3	401,969
25 Cooperage.....	17	268	16	15	6	4	227	Ap 251	Oc 170	248	238	8	2		556,901
26 Copper, tin, and sheet-iron work.....	22	140	19	8	9	5	99	De 122	My 85	119	113	2	4		411,871
27 Fertilizers.....	24	1,718	2	99	174	53	1,890	Mh 1,063	Au 1,070	1,573	1,532	45	1		15,938,567
28 Flour-mill and gristmill products.....	27	91	27	7	4	1	52	Jy 57	Ap 48	55	55				281,712
29 Food preparations, not elsewhere specified.	6	45	11	4		1	29	Ja 41	Oc 17	28	23	5			291,894
30 Foundry and machine-shop products.	64	1,046	50	62	46	16	872			887	885	1	1		2,691,919
31 Boiler shops.....	3	24	3	2			19	Ap 27	Au 15	20	20				26,759
32 Foundries.....	6	149	2	5	3	3	136	De 241	Mh 105	146	146				362,266
33 Machine shops.....	45	532	41	34	34	10	413	Je 467	Ja 357	421	421				1,338,877
34 Machine shop and foundry combined.	10	341	4	21	9	3	304	My 366	Se 275	300	293	1	1		964,017
35 Furniture.....	3	34	1	5		1	27	Se 33	Fe 19	31	29	2			52,847
36 Gas, illuminating and heating.....	14	509		38	35	18	418	Ja 456	Je 392	439	439				10,850,130
37 Ice, manufactured.....	95	1,702	51	127	87	25	1,412	Se 1,549	Ja 1,312	1,527	1,499	26	2		12,614,312
38 Iron and steel, welding.....	6	15	8				7	Fe 9	Jy 6	7	7				17,617
39 Lumber and timber products.....	409	22,532	503	547	359	65	21,058	Oc 23,193	Fe 18,872	24,092	23,767	284	46		41,630,709
40 Lumber, planing-mill products, not including planing mills connected with sawmills.	63	1,472	51	94	42	18	1,267	No 1,462	Ap 1,085	1,431	1,427	3	1		3,374,359
41 Marble and stone work.....	10	72	9	6	1	3	53	No 74	Ja 44	53	58				122,884
42 Mattresses and spring beds, not elsewhere specified.	11	103	10	5	2	1	85	De 103	My 72	103	82	21			227,761
43 Mineral and soda waters.....	105	679	100	73	60	15	431			441	411	18	12		1,305,295
44 Mineral and carbonated waters..	102	671	99	70	60	15	427	Jy 485	Ja 303	427	401	14	12		1,289,239
45 All other.....	3	8	1	3			4	Ja 11	Je 1	14	10	4			16,056
46 Minerals and earths, ground or otherwise treated.	5	748		22	7	2	717	Se 800	Fe 600	783	754	20			1,382,483
47 Oil, not elsewhere specified.....	4	68		8	5	1	54	Ap 77	Au 24	54	54				876,799
48 Patent medicines and compounds....	24	113	21	10	14	10	58			62	20	42			561,831
49 Patent and proprietary medicines	17	76	9	7	7	5	48	De 56	Ja 44	54	12	42			472,664
50 Patent and proprietary compounds, not elsewhere specified.	7	37	12	3	7	5	10	Fe 13	My 7	8	8				89,167
51 Paving materials.....	5	227	3	9	2	1	212	Se 247	Fe 169	230	230				210,341
52 Pickles, preserves, and sauces.....	13	225	16	51	29	5	124	Ap 310	Jy 46	127	94	27	2	4	488,832
53 Printing and publishing, book and job	77	495	68	38	41	17	331			365	266	94	3	2	1,205,977
54 Job printing.....	71	444	62	35	22	15	310	De 347	Je 287	337	248	84	3	2	1,128,881
55 Book publishing and printing....	3	34	4	2	18	2	8	Je 14	Mh 4	17	12	5			33,937
56 Linotype work and typesetting....	3	17	2	1	1		13	Fe 18	My 8	889	721	131	36	1	43,159
57 Printing and publishing, newspapers and periodicals.	160	1,412	135	142	179	115	841								3,778,417
58 Printing and publishing.....	19	315	9	45	60	42	159	No 172	Au 150	178	158	16	4		596,875
59 Printing, publishing, and job printing.	122	1,065	113	90	117	71	674	De 761	My 642	704	561	113	29	1	3,171,905
60 Publishing without printing.....	19	32	13	7	2	2	8	Ap 9	Mh 6	7	2	2	3		9,637
61 Shipbuilding, steel.....	5	8,211	100	202	71	7	7,838	Ja 8,533	Je 7,322	7,813	7,793	20			38,599,952

\* Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

\* 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.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>	

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

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.							
6,961,103	3,874,243	67,433,229	938,050	758,096	6,653,165	88,448,851	4,231,373	213,326,811	120,640,587	139,456	105,944	5,543	4,706	243	23,020	12,480
13,324	1,320	160,711	125	8,929	2,778	180,632	3,650	413,077	248,795	146	5	118	6		3	2
1,717	1,380	59,751		6,056	655	89,234	1,720	207,281	116,327	26		3			23	3
25,180	14,728	296,762	133	32,569	6,760	231,318	13,367	740,290	495,005	590	202	97	4		287	4
22,718	6,365	53,835	100	3,054	7,904	478,214	712	673,700	194,534	12					12	5
103,502	25,841	508,366		6,587	18,087	735,192	14,948	1,683,074	932,934	643	337	6			300	6
3,888	4,459	2,925	148	1,475	69	19,558	2,179	22,523	786	61					61	7
109,295	20,433	610,111		4,215	36,036	1,120,781	4,709	2,539,732	1,414,182	2,390	2,344	2			44	8
133,167	86,011	622,323	8,435	64,440	67,411	3,442,111	109,415	5,146,559	1,592,033	871	60		57		754	10
9,877		71,304		1,270	1,648	11,971	42,046	151,430	127,413	805	617	120	68		11	11
13,369	3,457	30,224	1,800	760	951	66,441	2,214	157,470	83,815	33	35		37			12
5,000	884	17,666	1,050	180	581	14,277	1,681	42,799	26,361	44	35		9			13
20,600	9,950	86,508	150	1,499	2,229	189,111	3,957	332,069	188,941	161	126	20	10		5	14
2,827	150	12,310		200	259	42,295	2,250	65,362	23,337	95	93		2			15
4,800	314	70,033	7,379	1,320	1,682	66,737	2,630	165,894	96,527	98			12		86	20
		45,937	7,379	1,260	931	41,050	1,842	104,041	61,149	78			12		66	17
4,800	314	24,096		60	751	25,687	788	61,853	35,378	20					20	18
15,779	2,341	103,939			8,671	58,594	769	175,778	116,415	133					133	19
360,537	122,806	4,744,412			2,526	2,363,808	864,801	8,468,318	5,239,709	3,557	1,460	733	6		1,358	1,100
20,292	30,884	50,624	300	10,070	23,301	1,291,928	7,922	1,602,332	302,482	185			33		185	21
24,414	32,583	74,054	200	10,281	12,820	729,484	32,055	1,111,060	349,521	395	95				287	22
5,200	10,973	17,704		2,010	5,245	106,736	2,430	188,497	80,311	38	20				18	23
19,214	21,610	56,350	200	14,271	7,575	623,728	30,225	923,163	269,210	357	75		33		249	24
24,201	7,759	180,084	60	3,325	1,736	786,039	5,570	1,121,901	350,232	398	170	105	16	2	105	25
21,687	15,536	117,168	276	6,930	4,135	294,432	2,473	540,263	243,358	81					81	26
269,376	306,487	1,102,556		2,922	182,259	7,005,422	152,453	10,685,819	3,627,914	4,368	2,130		812		1,426	27
10,324	4,980	33,087		889	3,503	461,421	9,009	508,023	97,503	1,093	550		222	35	286	28
14,025	1,060	20,273	826	3,100	18,201	453,525	6,659	500,909	101,725	251	60		10		181	29
171,757	68,443	1,025,013	14,864	17,624	47,240	1,465,868	56,746	3,507,648	1,985,534	1,622	170		154		1,298	30
2,700		33,922		504	742	12,630	442	56,965	46,943	28			20		8	31
20,338	5,521	128,715		3,830	138,522	10,486	10,486	352,790	203,782	317			4		313	32
84,611	45,863	517,566	14,864	16,220	22,063	962,789	21,780	2,005,715	1,021,146	718	130		114		474	33
64,108	17,059	344,810		900	10,600	351,477	24,038	1,089,178	713,663	559	40		16		503	34
5,580	1,300	31,255		1,425	265	30,379	1,004	98,289	66,906	46					46	35
84,447	64,168	421,893	125	675	92,982	309,671	673,279	1,989,238	1,006,288	1,074	789	265	20		601	36
214,707	102,939	1,153,136	1,400	33,537	96,851	618,546	910,304	4,051,516	2,527,666	18,011	15,049	1,618	742	1	1,405	37
		7,032	1,085	2,790	161	9,823	1,396	41,579	30,360	24					24	38
1,453,993	545,375	16,720,690	573,607	126,605	886,747	13,497,076	66,182	42,588,491	29,065,233	67,683	62,989	2,460	245	185	1,804	6,569
210,835	70,538	1,090,404	245	10,032	74,611	3,090,569	26,621	5,270,931	2,153,741	5,155	3,705		107		1,343	40
10,415	2,292	53,787	575	1,194	3,040	82,070	2,256	189,545	105,219	77			4		73	41
9,805	4,224	69,897		3,375	1,435	301,732	2,378	479,962	176,882	140			12		128	42
106,123	90,556	278,970	650	46,659	121,735	1,464,222	40,607	2,690,090	1,185,261	540	20		134		338	43
102,898	90,556	276,852	650	45,879	121,594	1,456,124	40,247	2,670,773	1,176,402	524	10		134		380	44
3,225		2,118		780	141	9,038	380	19,317	9,859	16					6	45
48,492	10,209	475,702	5,940	4,898	116,698	279,309	266,537	1,779,550	1,233,704	1,880	1,475		405		18	46
21,909	8,897	38,114		325	5,735	639,243	15,491	969,701	314,067	960	960				40	47
17,859	35,749	35,009		7,801	15,244	386,854	489	738,214	350,871	34	15		14		5	48
12,925	18,643	27,141		4,946	13,710	294,739	124	565,506	270,643	2					2	49
4,934	17,106	7,868		2,855	1,534	92,115	365	172,708	80,228	32	15		14		3	50
16,966	2,871	121,759		7,543	954	117,728	22,131	286,611	146,752	1,023	470				553	51
16,150	14,111	58,413		2,062	3,981	374,712	12,948	580,336	202,676	135	70		4		61	52
88,058	61,321	342,110	17,054	32,304	50,114	594,534	13,740	1,517,625	909,351	469			18		451	53
80,069	48,322	315,109	11,218	29,932	49,170	582,113	12,114	1,420,922	832,695	444					426	54
5,589	12,699	7,750	5,836	1,247	708	9,401	257	25,046	16,678	12					12	55
2,400	800	18,251		1,125	236	3,020	1,369	65,657	59,978	13					13	56
329,260	307,041	915,491	89,239	51,806	103,565	1,042,512	57,117	4,100,841	3,001,212	1,054			217		837	57
116,584	106,947	235,938	28,871	17,300	22,180	197,764	18,812	1,093,231	876,655	243			6		242	58
199,184	197,016	674,229	24,899	33,966	81,354	834,605	33,305	2,927,100	2,054,196	806			211		595	59
13,492	3,078	5,324	35,469	540	31	10,143		80,504	70,361							60
528,569	460,079	11,556,678		50,600	41,318	10,443,412	257,550	24,234,126	13,533,164	10,105	3,745		253		6,107	61

<sup>1</sup> No figures given for reasons stated under "Explanation of terms."

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

<sup>3</sup> Same number reported for one or more other months.

<sup>4</sup> None reported for one or more other months.

## MANUFACTURES—FLORIDA.

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.	10 and over.		Under 10.		
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.						

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

															Dollars.
1	Shipbuilding, wooden, including boat building.	68	3,649	56	117	78	37	3,361		2,711	2,700	9	2		7,655,457
2	New vessels.	29	2,602	24	77	54	26	2,421	Ja 4,984	De 1,075	1,702	1,697	4	1	5,453,016
3	Repair work only.	25	980	18	36	20	10	896	Jy 1,194	Mh 667	954	950	4		2,076,800
4	Small boats.	14	67	14	4	4	1	44	No 53	Mh 34	55	53	1	1	125,581
5	Slaughtering and meat packing.	8	425	8	13	44	12	348	Ja 489	Je 257	381	318	63		1,675,565
6	Sugar, cane.	3	6	2	1	1	2	2	De 16	Ja 0	17	17			58,973
7	Tobacco, cigars and cigarettes.	280	13,435	322	261	352	107	12,393	De 14,105	Au 8,588	14,897	10,195	4,691	9	21,230,969
8	Turpentine and rosin.	452	13,046	572	635	88	3	11,748	Oc 12,162	Ja 10,582	12,451	12,114	34	302	15,525,831
9	Wood distillation.	6	479		32	26	9	412	De 503	Ja 346	346				1,838,182
10	All other industries*.	70	1,115	38	94	47	21	915							4,240,515

*All other industries embrace—															
Artificial flowers.	3	Cleansing and polishing preparations	2	Electrical machinery, apparatus, and supplies.	1	Glucose and starch.	1								
Bags, other than paper, not including bags made in textile mills.	3	Clothing, men's.	2	Engines, steam, gas, and water.	1	Grease and tallow, not including lubricating greases.	1								
Baskets, and rattan and willow ware.	1	Clothing, women's, wrappers and house dresses.	1	Engraving and diesinking.	1	Hand stamps.	2								
Blacking, stains, and dressings.	1	Coffins, burial cases, and undertakers' goods.	2	Fancy articles, wood novelties.	1	Hats and caps, other than felt, straw, and wool.	1								
Brass and bronze products.	1	Dyeing and finishing textiles, exclusive of that done in textile mills.	1	Flavoring extracts.	2	Hats, fur-felt.	1								
Canning and preserving, oysters.	3			Glass, cutting, staining, and ornamenting.	2	Hats, straw.	1								

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

1	JACKSONVILLE—All industries.	244	8,384	186	352	483	195	7,168	Ja 9,093	De 6,322	7,112	6,631	473	5	3	27,270,301
2	Artificial stone products.	4	52	5	4	1		42	Oc 62	Ja 20	56	56				23,384
3	Automobile repairing.	25	160	22	7	1	3	127	De 140	Ja 118	150	150				70,421
4	Bread and other bakery products.	22	371	18	27	37	19	270	No 303	Fe 247	283	215	68			583,148
5	Carriages and wagons, including repairs.	3	33	4	3		1	25	De 34	Ap 19	40	39	1			72,519
6	Copper, tin, and sheet-iron work.	4	57	1	5	5	4	42	Fe 50	My 35	41	41				314,072
7	Foundry and machine-shop products.	16	336	13	27	18	8	270	Ja 196	Ja 104	270	270				906,631
8	Machine shops.	12	189	13	15	16	5	140	De 235	Mh 102	130	130				536,876
9	All other.	4	147		12	2	3	130	De 52	(*) 52	140	140				370,255
10	Lumber and timber products.	3	57	3	1		1	52	Ja 417	Ap 263	362	359	3			9,500
11	Lumber, planing-mill products, not including planing mills connected with sawmills.	7	367	3	18	18	4	329								789,913
12	Mattresses and spring beds, not elsewhere specified.	6	47	6	3	1		37	De 40	My 34	41	33	8			123,714
13	Mineral and carbonated waters.	7	132		12	13	3	104	Jy 120	Ja 90	97	95	2			202,905
14	Patent medicines and compounds.	12	76	7	7	10	7	45	De 52	Ja 43	48	11	37			480,279
15	Printing and publishing, book and job.	28	249	24	22	32	9	162	De 162	Je 141	183	129	53		1	462,858
16	Job printing.	25	214	21	19	14	9	151	De 14	Au 9	168	119	48		1	418,534
17	All other.	3	35	3	3	18		11			15	10	5			44,324
18	Printing and publishing, newspapers and periodicals.	15	321	7	15	85	36	178			133	119	11	3		1,174,673
19	Printing and publishing.	4	96	3	7	28	15	43	De 47	Ja 30	47	46		1		219,132
20	Printing, publishing, and job printing.	4	217		6	56	20	135	De 160	Mh 128	86	73	11	2		951,944
21	Publishing without printing.	7	8	2	1	1										3,497
22	Shipbuilding, wooden, including boat building.	6	2,083	6	55	51	28	1,943	Ja 3,830	De 563	1,856	1,353	3			4,189,572
23	Tobacco, cigars.	17	343	19	6	5	2	311	De 347	Ja 290	367	300	67			362,250
24	Turpentine and rosin.	3	43	4	2	6		31	No 34	De 29	31	81				63,631
25	All other industries*.	66	3,657	44	133	205	70	3,200			3,602	3,378	220	2	2	17,440,931

*All other industries embrace—																
Artificial flowers.	1	Brooms, from broom corn.	2	Cleansing and polishing preparations.	1	Electrical machinery, apparatus, and supplies.	1									
Automobile bodies and parts.	1	Brushes.	1	Clothing, men's.	2	Engraving and diesinking.	1									
Awnings, tents, and sails.	2	Cars and general shop construction and repairs by electric-railroad companies.	1	Coffee, roasting and grinding.	2	Fertilizers.	3									
Bags, other than paper, not including bags made in textile mills.	2	Cars and general shop construction and repairs by steam-railroad companies.	1	Coffins, burial cases, and undertakers' goods.	1	Food preparations, sweetening sirups, other than cane.	1									
Boxes, set-up paper boxes and cartons.	2			Confectionery and ice cream.	4	Furniture, store and office fixtures.	1									
Brass and bronze products.	1			Cooperage, hogsheds and barrels.	2											

\* Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

\* Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

# MANUFACTURES—FLORIDA.

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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.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rented. <sup>2</sup>
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>		

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

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.										
282,004	146,693	3,885,284	9,315	28,568	35,012	3,154,384	61,801	8,428,253	5,212,068	3,992	1,162	-----	388	16	2,426	11	1			
186,089	100,587	2,651,878	1,600	17,348	11,265	2,653,972	27,116	5,830,293	3,149,205	2,668	1,005	-----	129	-----	1,534	-----	2			
89,943	41,728	1,172,272	7,715	8,345	22,727	434,408	33,225	2,410,483	1,942,850	1,217	157	-----	206	-----	838	-----	3			
5,972	4,378	61,134	-----	2,875	1,020	66,004	1,460	187,477	120,013	107	-----	-----	53	-----	84	-----	4			
32,831	77,244	278,499	-----	20,541	13,441	4,746,323	69,907	5,316,186	499,956	918	292	-----	-----	-----	626	-----	5			
250	150	885	-----	78	3,318	3,318	144	6,313	2,853	61	50	-----	11	-----	192	-----	6			
993,661	903,825	11,874,880	3,161	95,680	4,047,007	15,627,986	6,269	37,926,394	22,392,139	192	-----	-----	-----	-----	20	-----	7			
773,283	92,924	6,832,835	199,837	19,654	325,539	5,755,424	103,400	21,508,553	15,649,729	904	570	-----	10	304	-----	392	-----	8		
91,009	42,670	400,086	-----	16,057	142,089	3,487,322	146,857	5,738,497	2,104,318	5,025	4,363	-----	150	104	-----	408	-----	9		
222,871	60,896	732,322	977	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	10			

Hats, wool-felt.....	1	Optical goods.....	1	Soap.....	1	Vinegar.....	1
Jewelry.....	1	Paints.....	4	Structural ironwork, not made in steel works or rolling mills.....	1	Wood preserving.....	2
Lime.....	2	Perfumery and cosmetics.....	2	Photo-engraving.....	1	Wood, turned and carved.....	1
Liquors, malt.....	2	Pottery, earthen and stone ware.....	1	Umbrellas and canes.....	1	Wooden goods, not elsewhere specified.....	2
Musical instruments and materials, not elsewhere specified.....	1	Sand-lime brick.....	2	Upholstering materials, not elsewhere specified.....	2		
Oil and cake, cottonseed.....	3	Signs, other than electric.....	1				

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

982,460	802,426	7,291,588	121,910	202,017	523,623	16,757,469	842,366	31,212,494	13,612,659	13,356	7,543	720	26	-----	5,067	2,680	1
8,179	800	40,441	-----	1,281	495	33,639	270	95,501	61,592	8	6	-----	-----	-----	2	-----	2
14,880	5,428	153,005	-----	16,759	1,884	48,692	4,163	295,516	242,661	344	200	-----	4	-----	140	-----	3
69,865	36,678	232,823	5,134	13,225	73,527	1,182,104	35,794	1,781,486	563,588	192	60	-----	-----	-----	132	-----	4
4,800	314	27,161	7,379	600	890	22,575	609	72,295	49,111	33	-----	-----	-----	-----	33	-----	5
13,647	10,126	50,285	-----	1,560	2,188	183,937	1,787	307,051	121,327	70	-----	-----	-----	-----	70	-----	6
78,575	29,823	359,944	-----	9,054	27,753	585,602	18,414	1,268,314	664,298	370	-----	-----	-----	-----	370	-----	7
51,489	25,551	208,279	-----	8,670	24,237	499,688	7,547	924,288	417,053	160	-----	-----	-----	-----	180	-----	8
27,106	4,277	148,665	-----	384	8,516	85,914	10,867	344,026	247,245	210	-----	-----	-----	-----	210	-----	9
1,600	1,200	24,400	28,000	-----	300	68,810	-----	127,080	58,270	80	80	-----	-----	-----	504	-----	10
50,390	23,805	274,928	-----	8,619	11,303	406,754	2,260	906,484	497,470	1,669	1,165	-----	-----	-----	-----	-----	11
5,805	1,996	37,799	-----	1,720	1,089	139,637	899	227,434	86,898	67	-----	-----	-----	-----	67	-----	12
27,758	26,890	60,068	-----	30,390	38,079	340,580	10,458	614,626	263,588	76	-----	-----	-----	-----	76	-----	13
15,309	28,781	25,924	-----	5,691	13,961	313,974	157	601,765	287,634	2	-----	-----	-----	-----	2	-----	14
51,749	43,467	177,106	16,123	14,670	11,742	201,133	4,667	638,305	432,505	142	-----	-----	2	-----	140	-----	15
43,760	32,748	162,495	10,287	13,478	11,423	196,943	3,623	579,848	379,282	137	-----	-----	2	-----	135	-----	16
7,989	10,719	14,611	5,836	1,192	319	4,190	1,044	58,457	53,223	5	-----	-----	-----	-----	5	-----	17
63,581	129,429	195,741	64,650	8,265	54,316	289,037	10,404	1,144,311	844,810	213	-----	-----	-----	-----	213	-----	18
33,635	43,001	62,074	28,471	6,840	15,684	83,274	6,120	379,286	289,892	91	-----	-----	-----	-----	91	-----	19
22,949	85,580	133,667	19,253	1,185	38,632	205,621	4,344	734,311	524,346	122	-----	-----	-----	-----	122	-----	20
6,997	848	-----	16,926	240	-----	142	-----	30,714	30,572	-----	-----	-----	-----	-----	-----	-----	21
138,518	102,438	2,036,961	5,040	15,186	1,557,189	32,785	4,519,391	2,929,417	2,280	612	-----	-----	-----	-----	1,668	-----	22
13,260	5,732	340,339	-----	3,637	50,257	503,664	160	1,068,607	564,783	3	-----	-----	-----	-----	3	-----	23
10,400	6,950	25,628	-----	1,800	3,553	301,655	6,094	448,634	140,885	40	40	-----	-----	-----	-----	-----	24
414,244	348,564	3,232,135	624	79,706	217,100	10,578,487	713,385	17,095,694	5,808,822	7,767	5,350	720	20	-----	1,647	2,680	25

Gas, illuminating and heating.....	2	Hats, wool-felt.....	1	Paints.....	1	Structural ironwork, not made in steel works or rolling mills.....	1
Glass, cutting, staining, and ornamenting.....	2	Ice, manufactured.....	2	Perfumery and cosmetics.....	2	Umbrellas and canes.....	1
Hand stamps.....	1	Iron and steel, welding.....	2	Photo-engraving.....	2	Vinegar.....	1
Hats and caps, other than felt, straw, and wool.....	1	Jewelry.....	2	Pickles and preserves.....	1	Wood preserving.....	1
Hats, fur-felt.....	1	Marble and stone work.....	1	Shipbuilding, concrete.....	1	Wood, turned and carved.....	1
		Oil and cake, cottonseed.....	1	Signs, other than electric.....	1		
		Optical goods.....	1	Slaughtering and meat packing.....	3		

<sup>1</sup> None reported from one or more other months.

<sup>4</sup> Same number reported for one or more other months.

<sup>5</sup> Same number reported throughout the year.



## MANUFACTURES—FLORIDA.

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

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

	263	14,291	306	327	439	140	13,079	De 14,560	Au 9,232	15,080	11,118	3,948	11	3	Dollars. 38,825,718
1 TAMPA—All industries.....	5	13	9	.....	.....	.....	4	No <sup>1</sup> 8	Je <sup>2</sup> 3	8	8	.....	.....	.....	10,436
2 Artificial stone products.....	21	117	29	2	7	2	77	Jy <sup>3</sup> 79	Ja 75	76	74	.....	2	.....	236,279
3 Bread and other bakery products.....	10	39	12	2	3	1	21	( <sup>4</sup> ) 21	( <sup>4</sup> ) 21	22	22	.....	.....	.....	125,386
4 Coffee, roasting and grinding.....	6	44	12	2	3	5	22	No 28	Ja 18	30	20	10	.....	.....	115,735
5 Confectionery and ice cream.....	6	92	6	4	2	.....	80	My 149	Mh 61	69	69	.....	.....	.....	248,268
6 Foundry and machine-shop products.....	5	129	4	13	6	.....	106	Je <sup>2</sup> 110	De 98	104	104	.....	.....	.....	1,265,815
7 Ice, manufactured.....	5	146	2	9	6	2	127	No 139	Ja 103	138	138	.....	.....	.....	422,649
8 Lumber, planing-mill products, not including planing mills connected with sawmills.	4	8	2	.....	.....	.....	6	Ja <sup>2</sup> 7	My 4	6	4	2	.....	.....	7,210
9 Patent medicines and compounds.....	10	59	8	5	2	4	40	Ja <sup>2</sup> 42	Mh <sup>2</sup> 38	43	30	11	1	1	103,443
10 Printing and publishing, book and job.	8	212	4	22	45	20	121	Je 126	Mh 115	121	110	9	2	.....	801,947
11 Printing and publishing, newspapers and periodicals.	139	9,730	173	172	289	91	9,005	De 10,409	Au 5,218	10,925	7,325	3,594	4	2	16,652,435
12 Tobacco, cigars and cigarettes.....	44	3,702	45	96	76	15	3,470	.....	.....	3,538	3,214	322	2	.....	18,836,115
13 All other industries*.....															

\*All other industries embrace—  
 Automobile bodies and parts.....  
 Automobile repairing.....  
 Awnings, tents, and sails.....  
 Boxes, cigar.....

Brooms, from broom corn.....  
 Carriages and wagons.....  
 Cars and general shop construction and repairs by electric-railroad companies.....

Cleansing and polishing preparations  
 Clothing, women's, wrappers and house dresses.....  
 Coffins, burial cases, and undertakers' goods.....

Cooperage, hogsheads and barrels...  
 Copper, tin, and sheet-iron work....  
 Flavoring extracts.....  
 Food preparations, macaroni, vermicelli, and noodles.....

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

	69	2,531	66	88	50	14	2,313	No 2,477	Se 1,894	2,673	1,988	674	9	2	3,961,222
1 KEY WEST.....	73	958	69	41	99	41	708	De 829	My 651	809	743	65	.....	1	3,820,769
2 MIAMI.....	70	5,030	49	148	172	75	4,586	De 5,031	Ap 4,055	5,046	4,981	59	6	.....	15,857,354
3 PENSACOLA.....	39	287	40	22	4	6	215	No 282	Jy 190	285	257	28	.....	.....	858,752
4 ST. PETERSBURG.....															

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).<sup>2</sup> 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.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rent- ed. <sup>2</sup>
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>		

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

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
1,357,373	1,009,298	14,533,837	12,801	164,907	3,183,451	16,872,794	400,349	42,461,377	25,183,234	7,513	2,777	40	60	.....	4,636	291	1
.....	.....	3,070	.....	645	162	4,358	.....	10,761	6,403	.....	.....	.....	.....	.....	116	.....	2
4,596	9,846	87,376	.....	8,796	3,320	395,698	15,296	593,775	182,781	116	.....	.....	.....	.....	68	.....	3
4,032	10,510	17,868	.....	4,597	829	252,593	3,273	309,467	53,601	68	.....	.....	.....	.....	45	.....	4
3,165	6,876	21,400	.....	5,545	503	257,853	2,010	339,097	79,234	45	.....	.....	.....	.....	166	.....	5
17,576	4,608	121,630	.....	1,340	6,360	75,057	4,319	341,121	261,745	201	.....	.....	35	.....	12	.....	6
35,489	10,580	126,539	.....	3,000	8,180	77,745	70,112	428,289	280,432	652	640	.....	.....	.....	.....	.....	7
19,801	12,087	111,087	.....	1,075	7,009	314,310	.....	557,676	243,366	460	460	.....	.....	.....	.....	.....	8
.....	.....	5,918	.....	1,358	128	6,256	.....	25,910	19,654	.....	.....	.....	.....	.....	58	.....	9
11,915	6,511	40,778	.....	5,268	1,468	36,546	2,567	124,448	85,335	58	.....	.....	.....	.....	110	.....	10
88,135	72,933	144,796	9,726	5,299	26,435	350,143	10,437	980,834	620,254	110	.....	.....	.....	.....	142	.....	11
745,132	742,569	8,868,890	2,942	58,241	3,006,644	11,562,826	4,671	28,472,994	16,905,497	142	.....	.....	.....	.....	3,919	291	12
427,532	132,778	4,984,485	133	69,743	122,423	3,539,400	287,664	10,277,005	6,449,932	5,661	1,677	40	25	.....	.....	.....	13
Furniture, wood, including rattan and willow..... 2																	
Gas, illuminating and heating..... 1																	
Hand stamps..... 1																	
Iron and steel, welding..... 1																	
Liquors, malt..... 1																	
Marble and stone work, monuments and tombstones..... 1																	
Mattresses and spring beds, not elsewhere specified..... 2																	
Mineral and carbonated waters..... 3																	
Paints..... 2																	
Paving materials..... 1																	
Photo-engraving..... 1																	
Shipbuilding, steel, new vessels..... 1																	
Shipbuilding, wooden, including boat building..... 4																	

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

208,557	100,904	2,094,461	816	18,460	638,315	2,661,148	115,035	6,520,351	3,744,168	1,211	662	.....	200	.....	349	146	1
87,971	89,886	745,252	4,506	33,705	43,624	1,054,634	168,547	2,722,612	1,499,431	1,860	1,035	65	167	.....	593	35	2
460,914	409,527	5,789,135	20,239	26,493	80,160	10,001,206	233,856	18,006,919	7,771,857	5,243	3,666	95	264	16	1,202	1,197	3
38,694	9,940	211,835	.....	9,681	10,685	435,051	79,735	1,004,938	490,152	762	150	50	147	.....	415	13	4

<sup>1</sup>Same number reported for one or more other months.  
<sup>2</sup>Same number reported throughout the year.

# GEORGIA.

## GENERAL STATISTICS.

**General character of the state.**—Georgia has a gross area of 59,265 square miles, of which 58,725 represent land surface. The inhabitants of the state in 1900 numbered 2,216,331; in 1910, 2,609,121; and in 1920, 2,895,832. In total population Georgia ranked twelfth among the states in 1920. The number of inhabitants per square mile in 1910 was 44.4, the corresponding figure for 1920 being 49.3.

In 1920 there were 12 cities in the state having more than 10,000 inhabitants. (See Table 6.) The combined population of these 12 cities in that year was 522,393, which formed 18 per cent of the total for Georgia, and in 1919 these cities reported 45.7 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 value of products from 1914 to 1919, as presented in Table 1, are in a great measure due to the changes in industrial conditions brought about by the World War. The increases shown, however, in average number of wage earners and horsepower, are indicative of a considerable growth in the manufacturing activities of the state. 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. The value of products reported by 3 of the 155 counties in the state—Bibb, Chatham, and Fulton—amounted to 42.9 per cent of the total for the state.

**Principal industries, ranked by value of products** (Table 3).—The ranking of industries by value of products is not always conclusive as indicating their importance from a manufacturing standpoint. Their 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 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 900 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).—During the census period 1914 to 1919, all of the cities show increases in value of products, and all but one, Athens, in the average number of wage earners. The increases in value of products are largely due to the increased value of commodities at the latter 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 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 12 cities in the state having 10,000 inhabitants or more. The table shows a number of industries in the state in 1919 in which females formed a considerable proportion of the wage earners employed.

**Prevailing hours of labor** (Table 9).—Since 1914 there has been a shortening of the working day in Georgia. In that year, 8.4 per cent of the wage earners were reported in the group "48 and under" as against 19.8 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 69 per cent of the total number of wage earners, as compared with 37.8 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, 94.7 per cent was in the several classes having fewer than 101 wage earners, while such establishments employed 39.3 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 5.3 per cent of the total manufacturing establishments in the state, but reported 60.7 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 all items 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 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 real index of the extent of manufacturing activities.

Character of ownership (Table 14).—The predominance of corporate ownership is clearly brought out in this table. Although corporations owned but 28.6 per cent of the number of establishments in the state in 1919, they reported 81.6 per cent of the average number of wage earners and 89.8 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 20,517, or 25.6 per cent, and the value of products, \$401,450,452, or 181.8 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 12 cities in 1919 represented 25.2 per cent of

the total in the state. They reported in that year 40.5 per cent of the average number of wage earners, 45.7 per cent of the value of products, and of value added by manufacture, also 45.7 per cent.

Principal industries in the four cities in the state having more than 50,000 inhabitants, with per cent of total for state (Table 16).—This table shows the principal industries in these four cities, 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 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 79,205 horsepower, or 22.2 per cent, due entirely to the increase in rented power, since there was a decrease in owned power of 4,521, while the rented increased 83,726 horsepower. The owned power decreased 1.6 per cent, but the rented power increased 109.1 per cent, during the five-year period.

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. Of the selected industries shown in this table, five industries combined—cotton goods; oil and cake, cottonseed; ice, manufactured; brick and tile, terra-cotta, and fire-clay products; and gas, illuminating and heating—consumed 66.3 per cent of the bituminous coal. Of the coke, 30.4 per cent was used in the manufacture of gas and brick and tile; and 87.8 per cent of the fuel oils was consumed by the manufactured-gas and the sugar-refining industries,

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

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. <sup>1</sup>			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	4,803	4,639	4,792	3,219	3,015	3.5	-3.2	48.9	6.8
Persons engaged.....	141,012	118,565	118,036	102,365	( <sup>2</sup> )	18.9	0.4	15.3	.....
Proprietors and firm members.....	4,776	4,443	5,141	3,512	( <sup>2</sup> )	7.5	-13.6	46.4	.....
Salaried employees.....	12,795	9,661	8,307	6,104	3,815	32.4	16.3	36.1	60.0
Wage earners (average number).....	123,441	104,461	104,588	92,749	83,336	18.2	-0.1	12.8	11.3
Primary horsepower.....	436,608	357,403	298,241	220,419	136,499	22.2	19.8	35.3	61.5
Capital.....	\$448,700,194	\$258,325,811	\$202,777,685	\$135,211,551	\$79,303,316	73.7	27.4	50.0	70.5
Salaries and wages.....	126,685,762	40,950,684	43,866,425	33,319,963	23,161,796	153.6	13.9	31.7	43.9
Salaries.....	25,505,423	11,822,277	9,061,607	5,927,521	3,203,643	115.7	30.5	52.9	85.0
Wages.....	101,180,339	38,128,407	34,804,818	27,392,442	19,958,153	165.4	9.5	27.1	37.2
Paid for contract work.....	3,333,902	817,739	757,805	656,575	( <sup>2</sup> )	307.7	7.9	15.4	.....
Rent and taxes.....	20,935,483	2,785,194	1,981,845	* 1,146,250	( <sup>2</sup> )	651.7	40.5	.....	.....
Cost of materials.....	440,490,057	160,088,609	116,969,764	83,624,504	49,356,296	175.2	36.9	39.9	69.4
Value of products.....	693,237,096	253,270,511	202,863,262	151,040,455	94,532,368	173.7	24.8	34.3	59.8
Value added by manufacture.....	252,747,039	98,181,902	85,893,498	67,415,951	45,176,072	171.2	8.5	27.4	49.2

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

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

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

<sup>4</sup> 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.....	4,803	123,441	\$101,180,339	\$20,935,483	\$440,490,057	\$693,237,096	\$252,747,039	436,608
Appling.....	30	405	222,768	7,681	173,047	625,501	452,454	195
Atkinson.....	20	459	363,137	4,862	144,836	728,783	583,052	708
Bacon.....	18	100	67,018	1,452	48,763	190,846	141,833	390
Baker.....	10	78	52,477	10,185	29,402	136,101	106,699	260
Baldwin.....	18	207	155,079	23,386	1,601,441	2,055,545	454,104	2,151
Banks.....	13	31	16,709	1,305	07,865	164,343	66,478	213
Barrow.....	19	414	256,892	25,301	1,501,459	2,114,398	612,039	1,473
Bartow.....	77	643	416,051	436,898	2,534,310	4,078,216	1,543,906	4,742
Ben Hill.....	14	776	760,419	103,299	1,292,752	2,469,269	1,176,517	2,122
Berrien.....	31	477	340,836	12,609	256,036	797,064	541,028	1,363
Bibb.....	165	7,584	6,645,033	1,316,955	49,537,781	64,591,833	15,054,052	29,071
Bleckley.....	26	236	188,903	87,081	372,442	752,918	380,476	1,272
Brooks.....	47	926	609,416	59,119	1,594,350	2,862,308	1,267,958	2,457
Bryan.....	24	326	238,306	2,991	145,865	520,600	374,735	1,054
Bulloch.....	29	216	161,491	5,648	103,225	363,713	260,488	647
Burke.....	19	120	109,048	14,087	624,391	900,532	276,141	748
Butts.....	10	241	181,980	33,808	1,120,127	1,612,208	492,081	1,004
Calhoun.....	12	121	67,398	14,241	924,312	1,213,591	289,279	688
Camden.....	19	715	491,161	12,950	391,290	1,026,023	634,733	1,046
Campbell.....	35	162	111,254	32,903	721,000	1,067,390	376,396	1,336
Candler.....	8	42	25,950	1,786	17,814	67,929	50,115	166
Carroll.....	44	771	421,279	135,050	2,945,883	4,101,467	1,155,584	4,054
Catoosa.....	16	25	15,858	339	22,962	60,796	37,834	231
Charlton.....	19	312	198,630	10,877	115,461	486,824	371,363	199
Chatham.....	183	11,529	12,556,897	1,279,983	59,365,181	89,830,776	30,475,595	29,315
Chattahoochee.....	3	107	84,650	822	43,267	224,236	180,969	295
Chattooga.....	39	1,084	604,221	271,195	3,660,963	5,558,194	1,897,231	4,797
Cherokee.....	26	836	670,090	434,765	2,562,122	4,888,212	2,326,090	2,376
Clarke.....	54	1,554	1,022,164	275,911	6,792,535	10,369,247	3,570,712	7,762
Clay.....	7	147	55,326	6,898	598,560	817,383	223,823	393
Clayton.....	10	29	12,728	1,132	54,172	89,873	35,701	210
Clinch.....	48	971	649,681	12,300	358,752	1,507,876	1,149,124	788
Cobb.....	66	1,219	801,742	65,469	2,064,219	4,000,308	1,936,089	2,449
Coffee.....	44	539	431,436	20,638	448,712	1,163,756	715,044	1,677
Colquitt.....	44	1,039	826,295	37,376	5,090,881	6,634,591	1,543,710	3,973
Columbia.....	11	86	60,663	4,797	47,798	184,832	137,034	810
Cook.....	18	252	159,926	3,256	153,124	411,270	258,146	725
Coweta.....	37	1,410	903,465	435,974	5,271,103	8,635,850	3,364,747	6,589
Crawford.....	12	29	16,080	258	74,390	36,699	36,699	225
Crisp.....	40	496	308,630	78,263	2,809,212	3,999,790	1,190,578	1,731
Dade.....	21	50	31,990	2,182	28,597	92,917	64,320	420
Decatur.....	58	1,471	1,089,538	64,368	3,905,167	5,983,640	2,078,473	2,640
DeKalb.....	24	790	717,317	161,851	1,334,085	2,722,221	1,388,136	3,147
Dodge.....	28	263	181,070	44,913	512,116	958,164	440,048	718
Dooley.....	30	213	128,474	14,213	1,140,905	1,382,761	241,856	1,268
Dougherty.....	34	746	577,736	171,852	4,167,112	6,055,185	1,888,073	5,634
Douglas.....	11	287	160,100	34,078	580,279	1,002,656	422,377	1,321
Early.....	20	313	208,233	4,100	312,198	636,599	324,401	807
Echols.....	11	235	152,447	3,034	110,712	392,938	282,226	493
Effingham.....	24	278	169,065	4,670	127,957	395,741	267,784	702
Elbert.....	22	398	230,003	46,227	1,536,818	2,140,048	603,230	2,154
Emanuel.....	32	320	256,586	29,094	517,799	1,014,393	496,594	720
Evans.....	15	37	28,594	2,279	72,925	161,475	85,550	250
Fannin.....	5	4	2,675	35	2,290	7,082	4,792	59
Fayette.....	16	49	37,416	4,523	245,485	343,868	98,383	482
Floyd.....	113	4,019	2,824,323	460,926	12,733,559	19,762,937	7,029,378	13,666
Forsyth.....	13	15	7,175	536	82,813	116,057	33,244	356
Franklin.....	15	225	97,064	11,960	935,210	1,301,111	365,901	881
Fulton.....	548	20,184	19,844,634	4,826,330	85,572,020	142,851,776	57,279,756	63,771
Gilmer.....	14	64	40,940	4,367	59,424	181,730	122,306	1,031
Glascok.....	5	15	11,827	108	33,087	60,772	27,685	26
Glynn.....	51	1,747	2,034,210	93,969	2,645,304	6,357,809	3,712,505	3,476
Gordon.....	54	350	272,708	27,359	1,049,368	1,671,333	621,965	2,258
Grady.....	21	492	385,486	11,470	420,904	1,013,388	586,484	1,465
Greene.....	22	380	239,414	28,199	1,030,750	1,629,485	598,735	1,753
Gwinnett.....	34	918	732,401	157,834	4,561,526	6,586,238	2,024,712	2,058
Habersham.....	33	173	100,930	6,586	213,951	409,694	195,743	1,446
Hall.....	53	1,444	778,773	368,132	5,252,474	7,902,270	2,649,796	9,798
Hancock.....	13	169	107,959	22,621	242,524	456,131	213,607	1,007
Haralson.....	39	360	206,636	53,325	1,561,678	2,215,113	653,435	1,717
Harris.....	30	305	195,100	1,877	132,506	445,534	313,028	842
Hart.....	11	129	86,938	90,104	519,219	864,651	345,432	1,068
Heard.....	18	41	27,776	962	34,367	102,520	68,153	397
Henry.....	33	294	184,387	34,175	1,043,937	1,371,714	327,777	1,525
Houston.....	43	410	305,375	16,127	1,174,881	1,776,742	601,861	1,762
Irwin.....	14	99	59,499	8,121	647,604	881,417	233,813	752
Jackson.....	28	475	279,421	63,811	1,981,633	2,763,446	771,813	2,033
Jasper.....	13	121	83,516	9,494	623,698	899,660	275,962	726
Jeff Davis.....	25	190	130,428	4,579	496,218	778,667	282,449	683
Jefferson.....	21	118	92,194	8,359	362,354	535,352	172,998	956

## MANUFACTURES—GEORGIA.

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 horse-power.
		Average number.	Wages.					
Jenkins.....	26	218	\$119,096	\$11,529	\$479,596	\$754,455	\$274,859	991
Johnson.....	14	100	90,880	4,460	109,050	222,475	113,425	1,267
Jones.....	4	145	103,670	48,511	719,267	957,244	237,977	379
Laurens.....	45	458	319,590	43,731	2,144,077	3,143,570	999,493	2,689
Lee.....	15	55	35,956	259	41,210	120,998	79,788	410
Liberty.....	45	510	365,122	6,008	515,569	1,103,994	588,425	1,102
Lincoln.....	10	232	226,249	800	42,572	362,149	319,577	716
Lowndes.....	70	1,005	706,423	95,878	3,375,683	5,091,205	1,715,522	3,200
Lumpkin.....	6	9	5,028	454	13,229	39,890	26,661	54
McDuffie.....	19	246	215,923	12,452	506,599	898,804	392,205	1,081
McIntosh.....	7	176	101,536	1,906	124,493	349,502	225,009	665
Macon.....	29	196	114,999	26,576	684,093	897,854	213,761	1,142
Madison.....	18	40	31,089	1,766	393,306	486,071	87,765	404
Marion.....	5	36	17,089	1,081	51,339	106,600	55,261	157
Meriwether.....	25	849	691,476	42,863	3,293,189	4,368,208	1,075,019	2,087
Miller.....	9	414	239,154	10,913	118,179	631,052	512,873	1,242
Milton.....	3	7	6,800	71	2,745	15,000	12,255	32
Mitchell.....	30	644	346,092	40,721	1,722,907	2,589,071	866,164	2,219
Monroe.....	35	440	322,456	46,001	3,390,390	4,081,032	690,633	3,242
Montgomery.....	11	33	19,580	610	25,300	74,005	48,606	158
Morgan.....	20	236	149,734	16,008	1,427,650	1,786,155	358,505	1,780
Murray.....	53	124	109,151	6,271	206,493	393,373	186,880	1,028
Muscogee.....	88	10,123	7,486,322	2,136,920	25,973,981	43,884,491	17,910,510	30,629
Newton.....	14	1,691	995,617	830,482	5,216,583	8,243,489	3,026,906	5,284
Oconee.....	5	23	14,330	5,024	151,159	184,808	33,649	259
Oglethorpe.....	8	127	69,092	11,737	588,284	796,530	208,246	367
Paulding.....	30	191	96,741	7,461	393,913	644,455	250,542	823
Pickens.....	5	471	355,174	6,462	307,014	1,190,331	883,317	1,603
Pierce.....	31	425	306,870	46,909	645,537	1,422,633	777,096	1,607
Pike.....	20	489	497,223	47,400	1,757,784	2,788,588	1,030,804	1,481
Polk.....	35	1,566	1,147,643	219,272	4,559,096	7,391,173	2,832,077	8,088
Pulaski.....	33	281	207,179	13,827	334,890	788,987	404,097	913
Putnam.....	12	448	238,772	111,621	1,049,215	1,696,274	647,050	1,122
Quitman.....	10	86	47,316	1,584	66,029	299,245	233,216	325
Randolph.....	22	158	91,585	7,305	829,926	1,092,258	262,332	760
Richmond.....	101	5,504	4,873,148	1,586,230	24,841,322	38,266,654	13,425,332	27,193
Rockdale.....	7	382	309,251	159,059	2,512,523	3,275,763	763,240	1,902
Schley.....	9	24	15,123	733	81,647	116,678	35,031	142
Screven.....	25	153	100,472	6,223	349,489	633,233	283,744	857
Spalding.....	33	2,112	1,559,905	259,403	6,861,538	10,660,938	3,709,400	8,338
Stephens.....	18	392	232,006	46,118	517,531	1,456,038	938,507	1,437
Stewart.....	14	148	100,812	6,781	845,761	1,219,878	374,117	775
Sumter.....	47	433	341,897	62,020	3,391,619	4,301,788	810,164	1,693
Talbot.....	22	181	125,833	11,784	327,155	610,490	283,335	699
Taliaferro.....	19	91	61,872	4,809	152,232	361,062	208,830	449
Tattnall.....	25	238	145,565	1,707	133,848	424,313	285,465	513
Taylor.....	13	135	92,812	14,251	408,924	663,614	254,690	629
Telfair.....	50	279	167,090	6,837	734,163	1,137,110	402,947	1,230
Terrell.....	17	271	332,161	11,422	1,500,104	1,897,206	397,102	1,194
Thomas.....	68	1,298	970,827	51,805	1,463,270	3,444,635	1,981,805	2,819
Tift.....	21	443	241,844	39,721	1,768,324	2,610,254	841,930	1,935
Toombs.....	35	164	110,645	13,555	450,532	756,300	305,768	949
Treutlen.....	7	15	10,013	1,390	48,550	85,440	36,890	88
Troup.....	46	4,158	3,155,909	1,410,679	15,164,075	23,999,168	8,835,083	12,753
Turner.....	16	142	99,102	7,658	151,925	921,663	769,738	300
Twigs.....	10	80	73,382	4,108	573,331	780,772	207,441	373
Union.....	3	7	2,791	115	5,322	8,615	3,293	27
Upson.....	15	784	486,354	231,142	2,634,927	4,243,340	1,608,413	3,777
Walker.....	54	2,804	1,628,202	339,237	6,554,436	11,296,392	4,741,956	4,390
Walton.....	19	547	411,852	150,836	2,729,962	4,021,687	1,291,735	3,410
Ware.....	52	2,570	2,776,439	35,117	2,620,202	6,076,509	3,456,307	6,604
Warren.....	5	43	33,593	18,917	462,339	602,446	140,107	420
Washington.....	22	343	241,340	38,118	983,774	1,884,922	701,148	1,934
Wayne.....	49	449	265,175	4,465	164,106	705,638	541,532	697
Webster.....	9	38	19,627	244	36,132	79,632	43,500	315
Wheeler.....	20	87	49,107	709	49,740	162,595	112,855	475
White.....	9	303	228,917	3,854	135,789	364,621	228,832	1,113
Whitfield.....	75	1,268	1,006,813	286,138	5,149,187	6,902,750	1,753,563	4,855
Wilcox.....	17	96	54,471	1,962	83,078	190,097	107,019	229
Wilkes.....	20	144	116,417	40,535	936,557	1,283,443	351,886	1,359
Wilkinson.....	9	189	190,085	8,338	294,453	641,331	346,873	2,845
Worth.....	23	317	199,556	22,266	378,730	821,129	442,399	602
All other counties <sup>1</sup> .....	4	3	965	14	1,540	4,170	2,630	16

<sup>1</sup> All other counties comprise Dawson, Rabun, and Towns.

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

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		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.			Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries.....	4,803	123,441	100.0	\$693,237	100.0	\$252,747	100.0	Ice, manufactured.....	70	1,115	0.9	\$4,440	0.6	\$2,861	1.1
Cotton goods.....	132	38,283	31.0	192,186	27.7	68,747	27.2	Printing and publishing, book and job.....	152	1,110	0.9	4,409	0.6	2,661	1.1
Oil and cake, cottonseed.....	116	5,526	4.5	99,320	14.3	17,049	6.7	Saddlery and harness.....	20	563	0.5	4,154	0.6	1,612	0.6
Fertilizers.....	144	4,152	3.4	47,480	6.9	16,713	6.6	Brick and tile, terra-cotta, and fire-clay products.....	47	1,617	1.3	3,734	0.5	2,457	1.0
Food preparations, not elsewhere specified.....	47	481	0.4	34,492	5.0	2,744	1.1	Boxes, paper and other, not elsewhere specified.....	10	488	0.4	3,661	0.5	1,359	0.5
Lumber and timber products.....	1,512	13,375	10.8	26,836	3.9	18,135	7.2	Carriages and wagons, including repairs.....	66	683	0.6	3,544	0.5	1,462	0.6
Cars and general shop construction and repairs by steam-railroad companies.....	29	8,210	6.7	19,731	2.8	12,060	4.8	Agricultural implements.....	13	892	0.7	3,476	0.5	1,663	0.7
Shipbuilding, steel, new vessels.....	3	3,481	2.8	17,723	2.6	10,283	4.1	Leather, tanned, curried, and finished.....	3	301	0.2	3,242	0.5	813	0.3
Foundry and machine-shop products.....	112	3,993	3.2	16,375	2.4	8,630	3.4	Shipbuilding, wooden, including boat building.....	7	968	0.8	3,221	0.5	2,000	0.8
Lumber, planing-mill products, not including planing mills connected with sawmills.....	131	2,688	2.2	14,029	2.0	5,557	2.2	Gas, illuminating and heating.....	17	486	0.4	3,005	0.4	1,486	0.6
Knit goods.....	28	3,808	3.1	12,567	1.8	5,752	2.3	Patent medicines and compounds.....	43	167	0.1	2,888	0.4	2,195	0.9
Flour-mill and gristmill products.....	161	371	0.3	11,991	1.7	1,443	0.6	Mattresses and spring beds, not elsewhere specified.....	21	422	0.3	2,742	0.4	1,187	0.5
Turpentine and rosin.....	441	7,078	5.7	10,875	1.6	7,930	3.1	Automobile repairing.....	195	863	0.7	2,739	0.4	1,649	0.7
Printing and publishing, newspapers and periodicals.....	262	1,719	1.4	9,683	1.4	6,216	2.5	Woolen goods.....	3	595	0.5	2,703	0.4	1,037	0.4
Confectionery and ice cream.....	60	1,553	1.3	9,680	1.4	4,427	1.8	Boxes, wooden packing, except cigar boxes.....	13	778	0.6	2,186	0.3	986	0.4
Mineral and soda waters.....	166	974	0.8	8,484	1.2	4,153	1.6	Clothing, women's.....	13	340	0.3	1,613	0.2	604	0.2
Slaughtering and meat packing.....	7	869	0.7	8,142	1.2	1,378	0.5	Bags, other than paper, not including bags made in textile mills.....	6	146	0.1	1,553	0.2	286	0.1
Oil, not elsewhere specified.....	13	497	0.4	6,919	1.0	1,067	0.4	Copper, tin, and sheet-iron work.....	43	332	0.3	1,379	0.2	551	0.2
Bread and other bakery products.....	110	844	0.7	6,322	0.9	1,935	0.8	Hats, straw.....	3	281	0.2	1,217	0.2	527	0.2
Clothing, men's.....	24	1,397	1.1	6,310	0.9	2,017	0.8	Automobile bodies and parts.....	27	209	0.2	1,134	0.2	420	0.2
Furniture.....	37	1,355	1.1	5,109	0.7	2,497	1.0	All other industries <sup>1</sup> .....	412	8,720	7.1	66,987	9.7	22,738	9.0
Marble and stone work.....	84	1,713	1.4	4,956	0.7	3,410	1.3								

<sup>1</sup> Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are 10 having products in excess of some for which figures are shown in the table. These industries are as follows: "Automobiles", "belting, leather", "boots and shoes", "cordials and flavoring sirups", "iron and steel, steel works and rolling mills", "paper and wood pulp", "sugar, refining, not including beet sugar", "tinware, not elsewhere specified", "waste, cotton", and "wood distillation."

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

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL.		CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL.	
					Male.	Female.						Male.	Female.
All classes.....	1919	141,012	114,801	26,211	81.4	18.6	Clerks and other subordinate salaried employees.....	1919	7,228	5,398	1,830	74.7	25.3
	1914	118,565	101,199	17,366	85.4	14.6		1914	5,463	4,679	784	85.6	14.4
	1909	118,036	100,245	17,791	84.9	15.1		1909	4,655	3,953	702	84.9	15.1
Proprietors and officials.....	1919	10,343	10,121	222	97.9	2.1	Wage earners (average number).....	1919	123,441	99,282	24,159	80.4	19.6
	1914	8,641	8,488	153	98.2	1.8		1914	104,461	88,032	16,429	84.3	15.7
	1909	8,793	8,655	138	98.4	1.6		1909	104,588	87,637	16,951	83.8	16.2
Proprietors and firm members.....	1919	4,776	4,654	122	97.4	2.6	16 years of age and over.....	1919	121,367	98,059	23,308	80.8	19.2
	1914	4,443	4,327	116	97.4	2.6		1914	97,633	82,878	14,755	84.9	15.1
	1909	5,141	5,026	115	97.8	2.2		1909	98,547	83,998	14,549	85.2	14.8
Salaried officers of corporations.....	1919	1,943	1,901	42	97.8	2.2	Under 16 years of age.....	1919	2,074	1,223	851	59.0	41.0
	1914	1,504	1,481	23	98.5	1.5		1914	6,828	5,154	1,674	75.5	24.5
	1909	1,385	1,372	13	99.1	0.9		1909	6,041	3,639	2,402	60.2	39.8
Superintendents and managers.....	1919	3,624	3,566	58	98.4	1.6							
	1914	2,694	2,680	14	99.5	0.5							
	1909	2,267	2,257	10	99.6	0.4							



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

INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.			INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.		
			16 years of age and over.		Un- der 16 years of age.				16 years of age and over.		Un- der 16 years of age.
			Male.	Fe- male.					Male.	Fe- male.	
All industries.....	1919	123,441	79.4	18.9	1.7	Lumber and timber products.....	1919	13,375	99.2	0.6	0.2
	1914	104,461	79.3	14.1	6.5		1914	15,023	99.6	(1)	0.4
	1909	104,588	80.3	13.9	5.8	Lumber, planing-mill products, not includ- ing planing mills connected with sawmills.	1919	2,688	97.7	2.3	.....
Brick and tile, terra-cotta, and fire-clay products.	1919	1,617	98.9	0.7	0.4		1914	2,350	98.7	0.6	0.6
	1914	1,875	98.9	0.1	1.1	Marble and stone work.....	1919	1,713	99.5	0.2	0.3
Cars and general shop construction and repairs by steam-railroad companies.	1919	8,210	98.6	1.4	.....		1914	2,622	99.0	.....	1.0
	1914	6,943	99.8	0.1	(1)	Mineral and soda waters.....	1919	974	97.2	1.8	0.9
Clothing, men's.....	1919	1,397	13.6	86.4	.....		1914	846	96.3	0.8	2.8
	1914	1,187	10.4	88.0	1.6	Oil and cake, cottonseed.....	1919	5,526	94.2	5.7	0.1
Confectionery and ice cream.....	1919	1,553	42.8	56.5	0.7		1914	4,212	99.8	0.1	0.1
	1914	726	49.4	49.0	1.5	Printing and publishing, book and job....	1919	1,110	67.4	29.8	2.8
Cotton goods.....	1919	38,283	60.1	36.5	3.4		1914	923	69.8	27.8	2.4
	1914	30,719	53.5	27.8	18.7	Printing and publishing, newspapers and periodicals.	1919	1,719	81.0	11.0	8.0
Fertilizers.....	1919	4,152	98.0	0.5	1.6		1914	1,496	89.8	0.4	3.8
	1914	3,833	99.5	0.1	0.5	Shipbuilding, steel, new vessels <sup>2</sup> .....	1919	3,481	99.4	0.6	.....
Foundry and machine-shop products <sup>2</sup> .....	1919	4,103	99.1	0.8	0.1		1914	966	100.0	.....	.....
	1914	2,401	99.3	0.1	0.6	Shipbuilding, wooden, including boat building.	1919	14	100.0	.....	.....
Furniture.....	1919	1,355	92.1	6.7	1.2		1914	14	100.0	.....	.....
	1914	1,365	94.3	1.3	4.4	Turpentine and rosin.....	1919	7,078	99.8	(1)	0.2
Ice, manufactured.....	1919	1,115	98.8	0.3	0.9		1914	9,118	99.4	(1)	0.6
	1914	890	95.3	0.2	3.5	All other industries.....	1919	19,218	79.2	20.0	0.8
Knit goods.....	1919	3,808	86.8	55.7	7.5		1914	14,450	80.7	16.9	2.4
	1914	3,468	85.0	56.2	8.8						

<sup>1</sup> Less than one-tenth of 1 per cent.<sup>2</sup> Includes "iron and steel, welding" and "textile machinery and parts."<sup>3</sup> 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.

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
Albany.....	308			306			2						\$2,694,423		
Athens.....	1,199	1,308	962	779	802	609	364	354	267	56	152	86	7,768,324	\$3,023,492	\$2,111,516
Atlanta.....	15,739	12,585	12,302	11,506	9,244	8,792	4,104	3,074	2,905	129	267	605	113,991,946	41,278,927	33,038,002
Augusta.....	5,156	4,925	5,073	3,850	3,598	3,495	1,252	1,175	1,375	54	152	203	37,160,571	12,138,224	10,456,407
Brunswick.....	1,629	743	385	1,521	559	287	94	183	55	14	1	43	6,191,294	840,833	672,167
Columbus.....	8,087	4,802	4,593	5,377	3,374	3,074	2,624	1,151	1,179	86	277	340	35,561,512	10,619,358	8,477,653
La Grange.....	3,519			2,385			1,036			98			20,235,443		
Macon.....	6,457	4,047	3,066	5,268	3,501	2,957	1,156	462	474	33	84	175	57,721,238	18,867,439	10,052,363
Rome.....	1,970	1,389	1,014	1,356	955	755	551	379	192	63	55	67	8,698,604	3,300,894	1,864,257
Savannah.....	8,843	2,347	2,649	3,231	1,845	2,321	545	1,443	295	67	159	33	18,086,711	16,343,087	6,539,113
Valdosta.....	515			494			28			3			3,912,383		
Waycross.....	1,559	1,302	1,130	1,546	1,283	1,127	11	16	2	2	3	1	4,442,701	2,085,886	1,203,393

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

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

MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.			MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	125,289	109,508	103,477	94.2	95.0	94.2	July.....	120,406	101,703	99,518	90.5	88.2	90.6
February.....	121,762	113,267	107,544	91.5	98.2	97.9	August.....	120,221	100,898	102,577	90.4	87.5	93.4
March.....	123,458	115,288	108,271	92.8	100.0	98.6	September.....	125,305	100,934	106,033	94.2	87.6	96.5
April.....	121,269	109,489	102,881	91.2	95.0	93.7	October.....	127,806	100,428	107,837	96.1	87.1	98.2
May.....	116,548	103,590	98,622	87.6	89.9	89.8	November.....	129,206	98,749	109,012	97.2	85.6	99.2
June.....	116,940	101,939	99,445	87.9	88.4	90.5	December.....	133,022	97,751	109,839	100.0	84.8	100.0

<sup>1</sup> 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.

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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.....	123,441	125,289	121,762	123,458	121,269	<i>110,548</i>	116,940	120,406	120,221	125,305	127,806	129,266	133,022	87.6
Males.....	99,282	100,360	98,745	100,425	98,284	<i>93,361</i>	98,119	96,343	96,515	100,811	102,687	103,703	107,031	87.0
Females.....	24,159	24,929	23,017	23,033	<i>22,985</i>	23,187	23,321	24,063	23,706	24,494	25,119	25,563	25,991	88.4
Brick and tile, terra-cotta, and fire-clay products...	1,017	<i>1,217</i>	1,337	1,383	1,555	1,621	1,586	1,713	1,775	1,802	1,872	1,819	1,724	65.0
Cars and general shop construction and repairs by steam-railroad companies.....	8,210	8,435	8,521	8,879	8,288	8,123	7,813	7,706	7,884	8,035	8,237	8,394	8,415	90.9
Clothing, men's.....	1,397	1,340	1,314	1,316	<i>1,253</i>	1,326	1,355	1,457	1,438	1,469	1,434	1,501	1,561	80.3
Confectionery and ice cream.....	1,533	1,381	1,378	1,365	1,379	<i>1,355</i>	1,403	1,539	1,558	1,782	1,850	1,847	1,799	73.2
Cotton goods.....	38,288	40,041	37,273	36,536	<i>36,260</i>	37,111	37,464	37,958	38,772	38,634	39,223	39,508	40,616	89.3
Fertilizers.....	4,152	4,639	6,059	8,512	7,561	3,125	2,562	2,550	2,555	2,589	2,627	3,074	3,991	29.8
Foundry and machine-shop products.....	3,993	4,083	3,952	3,746	3,829	3,881	4,082	4,204	4,201	4,087	4,039	4,110	4,110	88.5
Furniture.....	1,355	1,310	1,315	1,301	1,314	1,322	1,351	1,388	1,461	1,407	1,326	1,349	1,409	89.0
Ice, manufactured.....	1,115	965	971	985	1,020	1,130	1,174	1,320	1,294	1,283	1,190	1,056	992	73.1
Knit goods.....	3,808	3,956	3,609	<i>3,512</i>	3,549	3,701	3,726	3,698	3,959	4,054	4,142	4,196	4,196	83.7
Lumber and timber products.....	13,375	11,993	<i>10,694</i>	11,593	11,583	11,025	12,233	12,899	12,508	14,768	16,298	16,482	18,554	57.6
Lumber, planing-mill products, not including planing mills connected with sawmills.....	2,688	2,537	<i>2,300</i>	2,444	2,578	2,801	2,675	2,876	2,649	2,790	2,847	2,870	2,889	79.6
Marble and stone work.....	1,713	1,534	<i>1,525</i>	1,604	1,589	1,667	1,714	1,818	1,889	1,902	1,844	1,771	1,719	80.2
Mineral and soda waters.....	974	807	824	873	910	941	1,014	1,070	1,093	1,123	1,092	981	955	71.9
Oil and cake, cottonseed.....	5,526	6,715	6,682	6,048	5,391	4,421	3,710	3,676	3,667	5,654	6,635	7,007	6,806	50.9
Printing and publishing, book and job.....	1,110	1,059	<i>1,048</i>	1,059	1,093	1,060	1,071	1,099	1,109	1,174	1,160	1,181	1,207	86.8
Printing and publishing, newspapers and periodicals.....	1,710	1,668	1,671	1,702	<i>1,647</i>	1,689	1,719	1,681	1,715	1,755	1,786	1,785	1,810	91.0
Shipbuilding, steel, new vessels.....	3,431	4,092	3,831	4,032	4,213	4,180	4,023	3,991	3,468	3,296	2,155	2,321	2,170	51.2
Shipbuilding, wooden, including boat building.....	906	2,078	1,756	1,176	1,120	1,014	943	874	818	691	701	189	222	9.6
Turpentine and rosin.....	7,078	6,765	6,952	6,921	6,999	7,069	7,091	7,250	7,160	7,109	7,176	7,211	7,235	93.3
All other industries.....	19,328	18,836	18,740	18,771	<i>18,183</i>	18,245	18,457	19,643	19,641	19,882	20,212	20,729	20,642	57.5
<i>Industries showing large proportion of females.</i>														
Clothing, men's.....	1,207	1,178	1,155	1,154	<i>1,092</i>	1,146	1,177	1,247	1,224	1,254	1,239	1,288	1,332	82.0
Confectionery and ice cream.....	885	830	806	808	737	768	768	832	845	983	1,066	1,088	1,089	67.7
Cotton goods.....	14,588	15,394	13,905	13,853	<i>13,262</i>	14,261	14,430	14,520	14,736	14,650	14,992	15,067	15,398	90.0
Knit goods.....	2,283	2,361	2,117	<i>2,060</i>	2,155	2,206	2,246	2,242	2,184	2,387	2,488	2,488	2,529	81.5
Oil and cake, cottonseed.....	317	373	475	451	408	358	324	329	353	306	280	279	278	28.0
Printing and publishing, book and job.....	334	320	323	327	345	316	322	327	325	354	341	343	365	86.6
Printing and publishing, newspapers and periodicals.....	189	188	184	194	188	196	190	185	185	183	194	189	192	93.4
Total for cities.....	49,981	50,650	49,077	49,668	49,106	48,036	<i>47,759</i>	48,973	49,254	50,539	51,880	51,975	52,846	90.4
Males.....	37,877	38,432	37,828	38,356	37,695	36,565	<i>36,057</i>	36,988	37,410	38,189	39,231	39,179	39,814	90.5
Females.....	12,004	12,218	<i>11,249</i>	11,312	11,411	11,471	11,722	11,985	11,844	12,350	12,658	12,796	13,032	86.3
ALBANY.....	308	323	328	336	369	276	236	<i>235</i>	238	299	350	340	366	63.7
Males.....	306	321	326	334	367	274	234	<i>233</i>	236	297	348	338	364	63.5
Females.....	2	2	2	2	2	2	2	2	2	2	2	2	2	100.0
ATHENS.....	1,199	1,218	1,234	1,242	1,266	1,176	1,180	<i>1,109</i>	1,120	1,124	1,195	1,235	1,271	86.2
Males.....	809	836	849	857	872	779	782	<i>762</i>	778	777	810	835	850	84.5
Females.....	390	380	385	385	414	397	382	<i>347</i>	382	387	385	400	421	86.0
ATLANTA.....	15,739	15,132	15,254	15,391	15,267	15,076	<i>14,899</i>	15,510	15,818	16,217	16,521	16,848	16,835	89.0
Males.....	11,610	11,156	11,357	11,463	11,370	11,216	<i>11,053</i>	11,420	11,753	12,187	12,055	12,275	12,336	89.6
Females.....	4,129	3,976	3,897	3,929	3,897	3,860	3,446	4,090	4,065	4,350	4,466	4,573	4,499	84.4
AUGUSTA.....	5,156	5,115	5,152	5,184	5,164	5,074	4,950	<i>4,864</i>	4,979	5,192	5,334	5,352	5,512	88.2
Males.....	3,873	3,861	3,910	3,938	3,904	3,773	3,658	<i>3,617</i>	3,691	3,879	3,975	4,037	4,279	85.4
Females.....	1,283	1,254	<i>1,242</i>	1,246	1,260	1,301	1,292	1,247	1,288	1,313	1,359	1,315	1,279	91.4
BRUNSWICK.....	1,629	2,210	1,920	1,853	1,739	1,611	1,536	1,525	1,529	1,600	1,691	1,162	<i>1,142</i>	51.7
Males.....	1,535	2,148	1,858	1,782	1,669	1,540	1,501	1,451	1,446	1,456	1,543	1,017	<i>1,011</i>	47.1
Females.....	94	64	<i>62</i>	71	70	71	65	74	83	144	148	145	131	41.9
COLUMBUS.....	8,087	8,469	7,302	<i>7,292</i>	7,795	7,705	7,902	8,189	8,277	8,542	8,489	8,543	8,539	85.4
Males.....	5,437	5,621	5,153	<i>5,071</i>	5,286	5,169	5,195	5,421	5,482	5,661	5,704	5,747	5,734	88.2
Females.....	2,650	2,848	<i>2,149</i>	2,221	2,509	2,536	2,707	2,768	2,795	2,881	2,785	2,796	2,805	74.6
LA GRANGE.....	3,519	4,116	3,816	3,411	<i>3,168</i>	3,222	3,377	3,339	3,422	3,465	3,496	3,401	4,005	76.7
Males.....	2,431	2,819	2,630	2,357	<i>2,164</i>	2,216	2,318	2,297	2,412	2,385	2,470	2,379	2,725	76.8
Females.....	1,088	1,297	1,186	1,054	<i>994</i>	1,006	1,059	1,042	1,010	1,080	1,026	1,022	1,280	76.6
MACON.....	6,457	6,359	<i>6,024</i>	6,179	6,302	6,412	6,311	6,643	6,221	6,152	6,899	7,036	6,946	85.6
Males.....	5,296	5,141	<i>4,917</i>	5,048	5,164	5,226	5,136	5,430	5,210	5,243	5,633	5,749	5,655	85.5
Females.....	1,161	1,218	1,107	1,131	1,138	1,186	1,175	1,213	1,011	<i>809</i>	1,266	1,287	1,291	70.4
ROME.....	1,970	1,896	1,873	1,901	1,883	1,901	<i>1,848</i>	1,903	2,000	2,055	2,065	2,106	2,209	83.7
Males.....	1,385	1,338	1,324	1,344	1,319	1,335	<i>1,285</i>	1,324	1,338	1,442	1,455	1,492	1,564	82.2
Females.....	585	558	<i>549</i>	557	564	566	563	579	662	613	610	614	645	85.1
SAVANNAH.....	3,843	3,785	4,071	4,886	4,139	3,538	<i>3,396</i>	3,629	3,637	3,837	3,671	3,791	3,786	70.2
Males.....	3,260	3,198	3,435	4,155	3,610	3,027	<i>2,900</i>	3,054	3,066	3,206	3,103	3,194	3,172	69.8
Females.....	583	587	636	681	529	511	<i>496</i>	575	571	631	568	597	614	72.8
VALDOSTA.....	515	490	572	523	477	517	481	<i>432</i>	432	456	575	584	641	67.4
Males.....	487	466	548	499	453	492	456	408	407	426	545	554	590	69.0
Females.....	28	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	25	25	<i>24</i>	25	30	30	30	51	47.1
WAYCROSS.....	1,559	1,589	1,531	1,520	1,527	1,528	<i>1,513</i>	1,585	1,581	1,600	1,603	1,577	1,594	94.4
Males.....	1,548	1,529	1,521	1,509	1,517	1,518	<i>1,503</i>	1,586	1,571	1,590	1,590	1,562	1,580	94.5
Females.....	11	10	10	11	10	10	10	9	10	10	13	15	14	60.0

## MANUFACTURES—GEORGIA.

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	123,441	4,948	994	18,495	8,974	7,289	36,021	38,916	7,804
	1914	104,461	(2)	(2)	8,809	5,915	8,538	9,096	59,008	12,495
	1909	104,588	(2)	(2)	7,075	2,948	6,709	7,552	51,424	28,880
Brick and tile, terra-cotta, and fire-clay products .....	1919	1,617	—	85	80	62	218	270	902	—
	1914	1,875	(2)	(2)	42	185	148	199	1,055	246
Cars and general shop construction and repairs by steam-railroad companies.....	1919	8,210	—	—	7,330	—	16	721	138	5
	1914	6,943	(2)	(2)	578	378	4,688	—	55	1,244
Clothing, men's.....	1919	1,397	370	121	110	615	10	171	—	—
	1914	1,187	(2)	(2)	655	—	164	348	20	—
Confectionery and ice cream.....	1919	1,553	7	—	40	1,041	113	220	22	110
	1914	728	(2)	(2)	14	2	11	553	92	54
Cotton goods.....	1919	38,283	—	—	142	260	1,520	18,871	17,490	—
	1914	30,719	—	—	—	—	—	117	30,602	—
Fertilizers.....	1919	4,152	140	174	178	56	32	2,068	1,298	206
	1914	3,833	(2)	(2)	41	121	542	837	2,163	129
Foundry and machine-shop products *.....	1919	4,103	255	12	334	1,150	634	810	908	—
	1914	2,401	(2)	(2)	134	409	327	666	863	2
Furniture.....	1919	1,355	7	—	16	268	64	650	350	—
	1914	1,365	(2)	(2)	15	21	217	300	812	—
Ice, manufactured.....	1919	1,115	—	—	11	—	13	65	40	986
	1914	890	—	—	—	—	26	5	42	817
Knit goods.....	1919	3,808	—	—	—	635	1,077	1,029	1,067	—
	1914	3,468	—	—	—	—	—	896	2,346	226
Lumber and timber products.....	1919	13,375	488	82	277	1,077	217	3,235	7,437	562
	1914	15,023	(2)	(2)	1,113	1,498	136	830	7,279	4,167
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	2,688	48	10	100	212	331	1,167	740	80
	1914	2,350	(2)	(2)	111	178	368	447	1,169	77
Marble and stone work.....	1919	1,713	143	152	59	408	62	703	181	—
	1914	2,622	(2)	(2)	682	429	125	212	1,174	—
Mineral and soda waters.....	1919	974	23	—	216	94	252	74	310	5
	1914	846	(2)	(2)	66	4	135	42	577	22
Oil and cake, cottonseed.....	1919	5,526	—	—	114	32	—	11	1,496	3,873
	1914	4,212	(2)	(2)	11	14	76	—	217	3,894
Printing and publishing, book and job.....	1919	1,110	33	4	908	29	101	2	32	1
	1914	923	(2)	(2)	617	106	163	15	22	—
Printing and publishing, newspapers and periodicals.....	1919	1,719	13	35	1,229	129	173	104	36	—
	1914	1,496	(2)	(2)	869	138	230	67	169	23
Shipbuilding, steel, new vessels *.....	1919	3,481	1,484	—	1,997	—	—	—	—	—
Shipbuilding, wooden, including boat building.....	1919	966	319	—	535	—	—	—	—	112
	1914	14	—	—	—	—	13	—	1	—
Turpentine and rosin.....	1919	7,078	1,341	28	2,220	528	892	294	1,763	12
	1914	9,118	(2)	(2)	2,953	808	90	419	4,700	88
All other industries.....	1919	19,218	277	291	2,599	2,383	1,564	5,496	4,756	1,852
	1914	14,450	(2)	(2)	908	1,504	1,079	3,143	6,250	1,506
Total for cities.....	1919	49,981	982	453	11,491	4,903	3,475	18,235	6,909	3,533
	1914	33,448	(2)	(2)	2,928	2,097	5,591	3,633	15,368	3,831
ALBANY.....	1919	308	—	—	—	9	24	33	137	105
ATHENS.....	1919	1,199	6	—	55	1	62	54	915	76
	1914	1,308	(2)	(2)	55	—	77	72	1,037	67
ATLANTA.....	1919	15,739	312	276	3,677	3,653	1,871	4,385	606	959
	1914	12,585	(2)	(2)	1,850	866	2,471	2,527	3,780	1,091
AUGUSTA.....	1919	5,156	22	4	832	13	595	2,622	449	619
	1914	4,925	(2)	(2)	170	366	515	20	3,588	266
BRUNSWICK.....	1919	1,629	22	—	817	7	27	245	68	443
	1914	743	—	—	—	237	25	77	381	23
COLUMBUS.....	1919	8,087	16	19	554	643	128	5,946	516	265
	1914	4,802	(2)	(2)	37	208	304	141	3,595	517
LA GRANGE.....	1919	8,519	8	—	4	4	26	1,220	2,233	24
MACON.....	1919	6,457	260	—	2,217	312	227	1,996	721	724
	1914	4,047	(2)	(2)	311	126	1,204	336	1,500	510
ROME.....	1919	1,970	—	113	74	156	308	756	467	96
	1914	1,389	(2)	(2)	31	74	106	199	849	70
SAVANNAH.....	1919	3,843	331	41	1,743	97	155	974	432	70
	1914	2,347	(2)	(2)	441	211	744	261	584	106
VALDOSTA.....	1919	515	1	—	32	8	14	4	323	133
WAYCROSS.....	1919	1,559	4	—	1,486	—	8	—	42	19
	1914	1,302	(2)	(2)	33	9	25	—	54	1,181

<sup>1</sup> Includes 48 and under for 1914 and 1909.  
<sup>2</sup> Corresponding figures not available.

<sup>3</sup> Includes "iron and steel, welding" and "textile machinery and parts."  
<sup>4</sup> Not shown separately in 1914.

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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.	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.....	4,803	123,441	354	2,386	5,203	1,144	12,917	445	14,643	218	15,713	165	26,104	62	21,974	18	11,924	11	14,963
Brick and tile, terra-cotta, and fire-clay products.....	47	1,617	.....	12	38	10	124	12	445	10	664	3	346	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.....	29	8,210	.....	3	15	4	47	3	78	5	398	2	342	8	2,985	1	571	3	3,774
Clothing, men's.....	24	1,397	.....	1	4	5	67	7	198	6	459	5	669	.....	.....	.....	.....	.....	.....
Confectionery and ice cream.....	60	1,553	5	31	71	12	129	6	187	2	143	2	304	2	659	.....	.....	.....	.....
Cotton goods.....	132	38,283	.....	.....	.....	.....	.....	5	213	23	1,703	53	8,250	32	11,673	13	8,489	6	7,955
Fertilizers.....	144	4,152	2	56	154	38	408	21	754	16	1,154	11	1,682	.....	.....	.....	.....	.....	.....
Foundry and machine-shop products.....	112	3,993	5	43	101	30	333	11	408	11	792	11	2,087	1	272	.....	.....	.....	.....
Furniture.....	37	1,355	.....	7	22	11	114	8	227	9	672	2	320	.....	.....	.....	.....	.....	.....
Ice, manufactured.....	70	1,115	.....	31	104	28	350	7	213	3	201	1	247	.....	.....	.....	.....	.....	.....
Knit goods.....	28	3,808	.....	.....	.....	.....	.....	13	473	4	290	9	1,674	.....	.....	2	1,371	.....	.....
Lumber and timber products.....	1,512	13,375	37	1,088	2,052	286	2,880	56	1,879	20	1,583	18	2,771	7	2,210	.....	.....	.....	.....
Lumber, planing-mill products, not including planing mills connected with sawmills.....	131	2,688	10	41	97	41	533	24	675	13	969	1	115	1	299	.....	.....	.....	.....
Marble and stone work.....	84	1,713	7	43	118	16	168	8	312	6	460	4	655	.....	.....	.....	.....	.....	.....
Mineral and soda waters.....	166	974	5	102	306	54	516	5	152	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oil and cake, cottonseed.....	116	5,526	.....	3	14	37	511	38	1,245	29	1,953	8	1,173	.....	.....	1	630	.....	.....
Printing and publishing, book and job.....	152	1,110	29	79	172	31	358	9	295	3	170	1	115	.....	.....	.....	.....	.....	.....
Printing and publishing, newspapers and periodicals.....	262	1,719	62	161	357	27	288	7	240	2	124	2	379	1	331	.....	.....	.....	.....
Shipbuilding, steel, new vessels.....	3	3,481	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	247	.....	.....	.....	.....	2	3,234
Shipbuilding, wooden, including boat building.....	7	966	.....	.....	.....	1	9	2	80	1	63	1	112	2	702	.....	.....	.....	.....
Turpentine and rosin.....	441	7,078	18	72	225	250	3,220	90	2,808	9	575	2	250	.....	.....	.....	.....	.....	.....
All other industries.....	1,246	19,328	174	613	1,353	263	2,862	113	3,761	46	3,340	28	4,306	8	2,843	1	863	.....	.....
Total for cities.....	1,212	49,981	81	460	1,147	318	3,690	158	5,223	88	6,325	64	10,061	30	10,906	6	3,902	7	8,727
ALBANY.....	23	308	.....	12	32	6	65	3	73	2	138	2	254	1	433	.....	.....	.....	.....
ATHENS.....	43	1,199	1	14	40	16	173	8	239	1	60	24	3,550	5	1,518	1	775	2	2,227
ATLANTA.....	503	15,739	43	171	435	135	1,547	81	2,682	41	3,005	24	3,550	5	1,518	1	775	2	2,227
AUGUSTA.....	93	5,156	6	29	66	23	280	11	372	13	969	5	698	5	2,029	1	742	.....	.....
BRUNSWICK.....	46	1,629	1	22	43	13	141	5	166	3	565	2	714	2	1,695	3	1,814	2	2,799
COLUMBUS.....	74	8,087	6	19	44	20	234	12	383	3	184	5	934	4	1,695	3	1,814	2	2,799
LA GRANGE.....	24	3,519	1	8	22	6	69	.....	.....	2	120	6	2,167	6	2,167	.....	.....	1	1,151
MACON.....	135	6,457	4	59	164	26	275	19	656	10	715	12	2,064	5	1,493	.....	.....	1	1,090
ROME.....	64	1,970	7	25	50	17	207	5	142	4	294	5	778	1	499	.....	.....	.....	.....
SAVANNAH.....	147	3,843	10	71	179	36	487	10	376	11	775	7	1,107	1	388	1	571	.....	.....
VALDOSTA.....	38	515	1	18	48	13	157	4	134	1	65	1	111	.....	.....	.....	.....	.....	.....
WAYCROSS.....	22	1,559	1	12	24	8	75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1,460

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
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes.....	4,803	4,639	4,792	123,441	104,461	104,688	\$693,237,096	\$253,270,511	\$202,863,262	\$252,747,039	\$93,181,902	\$85,893,498
Less than \$5,000.....	1,394	1,861	1,918	1,492	5,359	5,303	3,395,058	4,447,032	4,356,414	2,170,588	3,136,020	3,100,327
\$5,000 to \$20,000.....	1,499	1,508	1,624	6,813	13,668	17,719	16,033,483	14,926,602	16,813,566	9,945,772	9,370,060	11,583,013
\$20,000 to \$100,000.....	1,055	739	799	15,586	16,363	20,431	45,941,137	33,793,262	34,954,524	24,940,047	14,609,896	17,613,878
\$100,000 to \$500,000.....	538	428	433	26,795	53,515	50,207	124,493,714	90,771,978	112,684,673	51,593,956	49,125,965	43,539,772
\$500,000 to \$1,000,000.....	170	74	.....	20,311	.....	.....	119,925,987	52,467,077	.....	42,142,492	.....	.....
\$1,000,000 and over.....	147	29	18	52,444	16,556	10,928	383,447,717	56,864,560	34,054,085	121,954,184	16,039,961	10,055,908
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.....	29.0	40.1	40.0	1.2	5.1	5.1	0.5	1.8	2.1	0.9	3.4	3.6
\$5,000 to \$20,000.....	31.2	32.5	33.9	5.5	13.1	16.9	2.3	5.9	8.3	3.9	10.1	13.5
\$20,000 to \$100,000.....	22.0	15.9	16.7	12.6	14.7	19.5	6.6	13.3	17.2	9.9	15.7	20.5
\$100,000 to \$500,000.....	11.2	9.2	9.0	21.7	51.2	48.0	18.0	35.8	55.5	20.4	52.7	50.7
\$500,000 to \$1,000,000.....	3.5	1.6	.....	16.5	.....	.....	17.3	20.7	.....	16.7	.....	.....
\$1,000,000 and over.....	3.1	0.6	0.4	42.5	15.8	10.4	55.3	22.5	16.8	48.3	18.2	11.7

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
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES.	29	34	100.0	100.0	8,210	6,943	100.0	100.0	\$19,731,320	\$8,970,460	100.0	100.0	\$12,059,886	\$4,850,393	100.0	100.0
\$5,000 to \$20,000.....	3	19	10.3	26.5	16	179	0.2	1.1	43,975	195,054	0.2	1.1	31,316	154,677	0.3	1.1
\$20,000 to \$100,000.....	7	10	24.1	29.4	124	397	1.5	5.7	355,491	415,846	1.8	4.6	192,237	258,405	1.6	5.3
\$100,000 to \$500,000.....	6	12	20.7	35.3	555	3,248	6.8	46.8	1,153,394	3,880,127	5.8	43.3	819,364	2,206,148	6.8	45.5
\$500,000 to \$1,000,000.....	8	8	27.6	8.8	2,082	327	32.7	7.6	5,023,371	506,479	30.0	51.1	4,268,179	2,331,163	35.4	48.1
\$1,000,000 and over.....	5	3	17.2	8.8	4,833	3,219	58.9	46.4	12,255,089	4,579,433	62.1	51.1	6,748,790	2,331,163	56.0	48.1
CONFECTIONERY AND ICE CREAM.	60	42	100.0	100.0	1,553	726	100.0	100.0	9,680,022	2,455,233	100.0	100.0	4,426,976	935,363	100.0	100.0
Less than \$5,000.....	14	14	23.3	33.3	12	20	0.8	2.8	35,770	34,807	0.4	1.4	16,155	15,380	0.4	1.6
\$5,000 to \$20,000.....	15	15	25.0	35.7	31	62	2.0	8.5	183,332	157,438	1.9	6.4	77,372	67,465	1.7	7.2
\$20,000 to \$100,000.....	14	8	23.3	19.0	127	55	8.2	7.6	680,843	320,980	7.0	13.1	242,610	78,017	5.5	8.3
\$100,000 to \$500,000.....	2	5	3.3	11.9	247	589	30.7	81.1	3,715,318	1,941,958	38.4	79.1	1,316,307	774,501	29.7	82.8
\$1,000,000 and over.....	3	3	5.0	5.0	906	33	58.3	5.1	5,064,759	2,774,532	52.3	52.3	2,774,532	774,501	62.7	82.8
COTTON GOODS.	132	118	100.0	100.0	38,283	30,719	100.0	100.0	192,185,896	59,982,008	100.0	100.0	68,747,388	18,772,434	100.0	100.0
\$20,000 to \$100,000.....	11	11	8.3	9.3	3,129	219,328	8.2	62.9	11,859,810	14,414,873	6.2	24.0	3,924,043	11,103,232	5.7	59.5
\$100,000 to \$500,000.....	36	62	27.3	52.5	31	62	2.0	8.5	28,961,438	22,245,957	15.1	37.1	9,594,035	7,017,472	14.0	7.2
\$500,000 to \$1,000,000.....	38	31	28.8	26.3	1,049	3,155	25.3	82.3	13,161,357	13,312,605	27.7	45.8	4,063,359	6,470,692	24.3	82.7
\$1,000,000 and over.....	58	14	43.9	11.9	29,236	10,900	76.4	35.5	151,364,550	22,589,477	78.8	37.7	55,229,310	7,423,472	80.3	39.5
FERTILIZERS.	144	230	100.0	100.0	4,152	3,833	100.0	100.0	47,479,842	29,045,903	100.0	100.0	16,713,192	7,825,983	100.0	100.0
Less than \$5,000.....	19	6	6.2	2.6	19	3	0.2	0.1	196,675	25,252	0.2	0.1	21,014	7,026	0.1	0.1
\$5,000 to \$20,000.....	45	37	31.2	16.1	176	83	4.2	2.2	2,412,393	458,438	5.1	1.6	562,761	124,021	3.4	1.6
\$20,000 to \$100,000.....	58	58	40.3	25.2	1,049	3,155	25.3	82.3	13,161,357	5,710,332	27.7	19.7	4,063,359	1,224,244	24.3	15.6
\$100,000 to \$500,000.....	21	13	14.6	5.7	1,457	35	35.1	35.1	15,938,723	13,312,605	33.6	32.8	6,389,756	6,470,692	38.1	82.7
\$1,000,000 and over.....	11	7	7.6	7.6	1,461	35	35.2	35.2	15,870,694	9,539,276	33.4	32.8	6,690,302	6,470,692	34.1	82.7
FLOUR-MILL AND GRISTMILL PRODUCTS.	161	128	100.0	100.0	371	367	100.0	100.0	11,991,429	6,083,760	100.0	100.0	1,442,644	829,580	100.0	100.0
Less than \$5,000.....	59	30	36.6	23.4	7	28	1.9	7.6	137,762	96,846	1.1	1.6	24,392	19,803	1.7	2.4
\$5,000 to \$20,000.....	58	70	36.0	54.7	39	88	10.5	23.4	664,901	625,894	5.5	10.3	115,409	123,556	8.0	14.9
\$20,000 to \$100,000.....	33	19	20.5	14.8	78	56	21.0	15.3	1,340,377	784,398	11.2	12.9	207,651	91,280	14.4	11.0
\$100,000 to \$500,000.....	3	6	1.9	4.7	21	197	5.7	53.7	945,222	1,647,175	7.9	25.4	124,209	594,941	8.6	71.7
\$500,000 and over.....	8	3	5.0	2.3	226	60	60.9	60.9	8,903,167	3,029,447	74.2	49.8	970,983	67,388	67.3	67.3
FOOD PREPARATIONS, NOT ELSEWHERE SPECIFIED.	47	15	100.0	100.0	481	692	100.0	100.0	34,492,102	16,824,265	100.0	100.0	2,744,240	2,777,279	100.0	100.0
Less than \$5,000.....	31	6	66.0	40.0	1	7	0.2	1.0	32,808	9,703	0.1	0.1	22,929	5,729	0.8	0.2
\$5,000 to \$20,000.....	5	10	10.6	20.0	13	13	2.7	1.4	59,217	86,829	0.2	0.5	18,590	14,495	0.7	0.5
\$20,000 to \$100,000.....	3	3	6.4	20.0	13	10	2.7	1.4	108,809	86,829	0.3	0.5	8,129	14,495	0.3	0.5
\$100,000 to \$500,000.....	15	6	10.6	40.0	2109	675	22.7	97.5	2,204,446	16,727,733	6.4	99.4	166,022	2,757,055	6.0	99.3
\$1,000,000 and over.....	3	3	6.4	6.4	345	345	71.7	71.7	32,086,822	9,539,276	93.0	93.0	2,528,570	2,757,055	92.1	92.1
FOUNDRY AND MACHINE-SHOP PRODUCTS.	128	95	100.0	100.0	4,103	2,401	100.0	100.0	16,819,429	5,242,034	100.0	100.0	8,881,408	3,006,279	100.0	100.0
Less than \$5,000.....	22	26	17.2	27.4	20	45	0.5	1.9	56,831	81,301	0.3	1.6	40,034	60,244	0.5	2.0
\$5,000 to \$20,000.....	36	29	28.1	30.5	116	192	2.8	8.0	369,250	315,835	2.2	6.0	255,901	214,770	2.9	7.1
\$20,000 to \$100,000.....	40	30	31.3	31.6	583	737	14.2	30.7	1,802,346	1,289,315	10.7	24.6	1,090,400	848,734	12.3	28.2
\$100,000 to \$500,000.....	17	10	13.3	10.5	1,121	1,427	27.3	59.4	3,744,175	3,555,583	22.3	67.8	2,148,628	1,882,531	24.2	62.6
\$500,000 to \$1,000,000.....	10	7	7.8	7.8	1,593	38	38.8	38.8	7,295,070	434	43.4	43.4	3,385,891	38,288	38.2	38.2
\$1,000,000 and over.....	3	3	2.3	2.3	670	16	16.3	16.3	3,551,767	21.1	21.1	21.1	1,940,464	21.9	21.9	21.9
KNIT GOODS.	28	22	100.0	100.0	3,808	3,468	100.0	100.0	12,566,787	4,892,931	100.0	100.0	5,751,771	1,830,079	100.0	100.0
\$20,000 to \$100,000.....	6	18	21.4	27.3	204	261	5.4	7.5	453,804	307,627	3.6	6.3	179,584	136,914	3.1	7.5
\$100,000 to \$500,000.....	18	18	64.3	72.7	1,768	3,207	46.4	92.5	4,675,736	4,585,304	37.2	93.7	1,768,632	1,693,165	30.7	92.5
\$1,000,000 and over.....	4	4	14.3	14.3	1,836	7	48.2	48.2	7,437,247	7,437,247	59.2	59.2	3,803,555	3,803,555	60.1	60.1
LUMBER AND TIMBER PRODUCTS.	1,512	1,438	100.0	100.0	13,375	15,023	100.0	100.0	26,836,279	14,801,752	100.0	100.0	18,135,385	10,041,251	100.0	100.0
Less than \$5,000.....	758	950	50.1	66.1	950	2,675	7.1	17.8	1,826,858	1,998,010	6.8	13.5	1,214,280	1,510,056	6.7	15.0
\$5,000 to \$20,000.....	534	382	35.3	26.6	2,567	3,557	19.2	23.7	5,250,527	3,519,844	19.6	23.8	3,622,794	2,523,478	20.0	25.1
\$20,000 to \$100,000.....	168	74	11.1	5.1	3,243	2,832	24.2	18.9	6,381,982	2,947,089	23.8	19.9	4,411,246	1,863,156	24.3	18.6
\$100,000 to \$500,000.....	46	32	3.0	2.2	5,162	5,959	38.6	39.7	9,808,974	6,336,809	36.6	42.8	6,738,328	4,144,561	37.2	41.3
\$500,000 and over.....	6	6	0.4	0.4	1,453	10	10.9	10.9	3,567,938	13.3	13.3	13.3	2,148,737	11.8	11.8	11.8
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS.	131	143	100.0	100.0	2,688	2,350	100.0	100.0	14,029,180	6,418,212	100.0	100.0	5,557,221	2,240,672	100.0	100.0
Less than \$5,000.....	20	33	15.3	23.1	15	75	0.6	3.2	44,631	86,189	0.3	1.3	19,825	46,887	0.4	2.1
\$5,000 to \$20,000.....	32	40	24.4	28.0	114	270	4.2	11.5	349,062	478,237	2.5	7.5	164,194	221,279	3.0	9.9
\$20,000 to \$100,000.....	30	48	22.9	33.6	398	780	13.7	33.2	1,540,639	2,252,353	11.0	35.1	568,388	794,341	10.2	35.5
\$100,000 to \$500,000.....	44	22	33.6	15.4	1,712	1,225	63.7	52.1	9,209,311	3,601,433	65.6	56.1	3,717,677	1,178,185	66.9	52.6
\$500,000 and over.....	5	5	3.8	3.8	479	17	17.8	17.8	2,885,537	20.6	20.6	20.6	1,087,137	19.6	19.6	19.6
MINERAL AND SODA WATERS.	106	204	100.0	100.0	974	846	100.0	100.0	8,484,054	3,385,747	100.0	100.0	4,152,592	1,662,040	100.0	100.0
Less than \$5,000.....	18	69	10.8	33.8	17	105	1.7	12.4	42,730	201,728	0.5	5.9	22,814	102,188	0.5	6.1
\$5,000 to \$20,000.....	41	94	24.7	46.1	113	330	11.6	39.0	449,811	1,034,984	5.3	30.6	197,046	482,985	4.7	29.1
\$20,000 to \$100,000.....	87	37	52.4	18.1	504	257	51.7	30.4	3,796,818	1,341,677	44.8	39.6	1,697,675	654,401	40.9	39.4
\$100,000 to \$500,000.....	20	4	12.0	2.0	2340	154	34.9	18.2	807,358	807,358	49.4	23.8	2,235,057	422,466	53.8	25.4

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

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

3 Includes the group "\$5,000 to \$20,000."

4 Includes the group "\$20,000 to \$100,000."

5 Includes the groups "\$500,000 to \$1,000,000" and "\$1,000,000 and over."

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

7 Includes "iron and steel, welding" and "textile machinery and parts."

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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	1914	Per cent distribution.	1919	1914	Per cent distribution.	1919	1914	Per cent distribution.
OIL AND CAKE, COTTONSEED....	116	153	100.0	100.0	5,526	4,212	100.0	100.0	\$99,320,307	\$32,714,501	100.0	100.0
\$5,000 to \$20,000.....	8	6	6.9	3.9	186	24	1.6	0.6	144,024	65,513	0.5	0.2
\$20,000 to \$100,000.....	54	46	46.6	30.1	1,188	542	21.5	12.9	14,625,211	2,775,185	14.7	8.5
\$100,000 to \$500,000.....	25	16	21.6	10.5	1,144	3,646	20.7	86.6	17,993,697	17,472,834	17.7	53.4
\$500,000 to \$1,000,000.....	29	10	25.0	5.5	3,108	66,444,475	56.2	67.1	12,401,769	2,432,271	12.4	37.9
\$1,000,000 and over.....									11,773,387	11,773,387	69.1	69.1
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.....	262	313	100.0	100.0	1,719	1,496	100.0	100.0	9,683,328	5,237,563	100.0	100.0
Less than \$5,000.....	120	196	45.8	62.6	105	303	6.1	20.3	312,963	497,500	3.2	9.5
\$5,000 to \$20,000.....	99	83	37.8	26.5	302	300	17.6	20.1	977,120	738,149	10.1	14.0
\$20,000 to \$100,000.....	29	23	11.1	7.3	274	239	15.9	16.0	1,199,347	775,610	12.4	14.9
\$100,000 to \$500,000.....	10	8	3.8	2.6	300	4,654	17.5	43.7	2,440,485	1,201,159	25.2	21.7
\$500,000 to \$1,000,000.....	8	4	1.5	1.0	8738	4,753,413	42.9	58.4	1,936,845	3,533,117	49.1	37.0
\$1,000,000 and over.....									7,930,460	3,434,960	100.0	100.0
TURPENTINE AND ROSIN.....	441	562	100.0	100.0	7,078	9,118	100.0	100.0	10,874,714	4,607,590	100.0	100.0
Less than \$5,000.....	52	198	11.8	35.2	91	1,540	1.3	10.9	133,556	617,463	1.2	13.4
\$5,000 to \$20,000.....	191	338	43.3	59.3	1,877	6,141	26.5	67.4	2,480,996	3,105,703	22.8	67.4
\$20,000 to \$100,000.....	191	31	43.3	5.5	4,571	1,437	64.6	15.8	7,347,080	884,424	67.6	19.2
\$100,000 to \$500,000.....	7		1.6		539		7.6		913,382		8.4	

\* Includes the group "\$5,000 to \$20,000."

\* Includes the groups "\$500,000 to \$1,000,000" and "\$1,000,000 and over."

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

\* 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.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
ALBANY.....	23	308	100.0	\$2,694,423	100.0	\$1,151,002	100.0	LA GRANGE.....	24	3,519	100.0	\$20,235,443	100.0	\$7,620,449	100.0
Less than \$20,000.....	10	24	7.8	90,028	3.3	41,492	3.6	Less than \$20,000.....	7	14	0.4	76,391	0.4	49,130	0.6
\$20,000 to \$100,000.....	6	46	14.9	270,695	10.0	104,180	9.1	\$20,000 to \$100,000.....	6	56	1.6	252,355	1.2	96,982	1.3
\$100,000 and over.....	7	238	77.3	2,333,700	86.6	1,005,380	87.3	\$100,000 to \$500,000.....	4	141	4.0	1,176,988	5.8	237,255	3.1
ATHENS.....	43	1,199	100.0	7,768,324	100.0	2,788,970	100.0	\$1,000,000 and over.....	7	3,308	94.0	18,729,711	92.6	7,237,082	95.0
Less than \$20,000.....	9	16	1.3	67,332	0.9	25,111	0.9	MACON.....	135	6,457	100.0	57,721,238	100.0	12,518,134	100.0
\$20,000 to \$100,000.....	22	257	21.4	1,071,185	13.8	568,091	20.4	Less than \$5,000.....	16	15	0.2	39,308	0.1	19,190	0.2
\$100,000 to \$500,000.....	8	249	20.8	2,269,238	29.2	824,522	29.6	\$5,000 to \$20,000.....	44	161	2.5	493,364	0.9	275,001	2.2
\$500,000 and over.....	4	677	56.5	4,360,569	56.1	1,371,246	49.2	\$20,000 to \$100,000.....	26	274	4.2	1,172,508	2.0	420,987	3.4
ATLANTA.....	503	15,739	100.0	113,991,946	100.0	46,121,060	100.0	\$100,000 to \$500,000.....	30	1,656	25.6	6,977,636	12.1	3,313,297	26.5
Less than \$5,000.....	51	36	0.2	134,995	0.1	94,500	0.2	\$500,000 to \$1,000,000.....	7	999	15.5	5,143,754	8.9	1,725,490	13.8
\$5,000 to \$20,000.....	124	332	2.1	1,370,076	1.2	873,381	1.9	\$1,000,000 and over.....	12	3,352	51.9	43,894,668	76.0	6,764,169	54.0
\$20,000 to \$100,000.....	159	1,799	11.4	7,884,121	6.9	4,422,719	9.6	ROME.....	64	1,970	100.0	8,698,604	100.0	2,827,000	100.0
\$100,000 to \$500,000.....	120	4,747	30.2	27,761,091	24.4	12,093,804	26.2	Less than \$5,000.....	13	7	0.4	39,074	0.4	19,482	0.7
\$500,000 to \$1,000,000.....	27	2,647	16.8	20,125,322	17.7	8,034,538	17.4	\$5,000 to \$20,000.....	19	62	3.1	201,186	2.3	104,212	3.7
\$1,000,000 and over.....	22	6,178	39.3	56,715,741	49.8	20,597,118	44.7	\$20,000 to \$100,000.....	18	231	11.7	850,279	9.8	442,100	15.6
AUGUSTA.....	93	5,156	100.0	37,180,571	100.0	12,830,836	100.0	\$100,000 to \$500,000.....	8	523	26.5	1,622,384	18.7	649,482	23.0
Less than \$5,000.....	17	17	0.3	41,899	0.1	27,857	0.2	\$500,000 and over.....	6	1,147	58.2	5,985,681	68.8	1,611,724	57.0
\$5,000 to \$20,000.....	18	67	1.3	216,550	0.6	155,053	1.2	SAVANNAH.....	146	3,843	100.0	18,086,711	100.0	7,976,757	100.0
\$20,000 to \$100,000.....	18	280	5.4	935,413	2.5	437,653	3.4	Less than \$5,000.....	26	26	0.7	80,204	0.4	57,596	0.7
\$100,000 to \$500,000.....	20	802	15.6	4,875,238	13.1	2,573,268	20.1	\$5,000 to \$20,000.....	42	128	3.3	462,171	2.6	290,314	3.6
\$500,000 to \$1,000,000.....	7	656	12.7	5,213,826	14.0	1,728,206	13.5	\$20,000 to \$100,000.....	40	387	10.1	1,759,195	9.7	858,408	10.8
\$1,000,000 and over.....	13	3,334	64.7	25,877,845	69.6	7,908,799	61.6	\$100,000 to \$500,000.....	23	1,541	40.1	5,831,042	32.2	2,916,861	36.6
BRUNSWICK.....	46	1,629	100.0	6,191,294	100.0	3,588,360	100.0	\$500,000 to \$1,000,000.....	5	632	16.4	3,707,744	20.5	1,426,843	17.9
Less than \$5,000.....	9	7	0.4	20,815	0.3	9,980	0.3	\$1,000,000 and over.....	5	1,129	29.4	6,246,355	34.5	2,426,735	30.4
\$5,000 to \$20,000.....	11	31	1.9	105,952	1.7	56,572	1.6	VALDOSTA.....	38	515	100.0	3,912,383	100.0	1,072,401	100.0
\$20,000 to \$100,000.....	17	188	11.5	758,010	12.2	329,830	9.2	Less than \$5,000.....	3	5	1.0	8,356	0.2	4,246	0.4
\$100,000 to \$500,000.....	5	330	20.3	1,334,055	21.5	651,966	18.2	\$5,000 to \$20,000.....	12	29	5.6	114,693	2.9	53,887	5.0
\$500,000 and over.....	4	1,073	65.9	3,972,462	64.2	2,539,962	70.8	\$20,000 to \$100,000.....	18	227	44.1	724,370	18.5	325,582	30.4
COLUMBUS.....	74	8,087	100.0	35,561,512	100.0	14,655,612	100.0	\$100,000 and over.....	5	254	49.3	3,064,964	78.3	688,656	64.2
Less than \$5,000.....	9	4	(1)	24,053	0.1	14,353	0.1	WAYCROSS.....	22	1,559	100.0	4,442,701	100.0	2,267,904	100.0
\$5,000 to \$20,000.....	16	58	0.7	193,231	0.5	91,336	0.6	Less than \$5,000.....	6	7	0.4	20,177	0.5	10,826	0.5
\$20,000 to \$100,000.....	19	250	3.1	877,187	2.5	421,009	2.9	\$5,000 to \$20,000.....	8	30	1.9	92,315	2.1	52,627	2.3
\$100,000 to \$500,000.....	13	492	6.1	2,344,015	6.6	1,111,795	7.6	\$20,000 and over.....	8	1,522	97.6	4,330,209	97.5	2,204,451	97.2
\$500,000 to \$1,000,000.....	6	971	12.0	4,918,349	13.8	1,853,256	13.3								
\$1,000,000 and over.....	11	6,312	78.1	27,204,677	76.5	11,062,903	75.5								

\* Less than one-tenth of 1 per cent.

\* Includes the group "\$500,000 to \$1,000,000."



## MANUFACTURES—GEORGIA.

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

INDUSTRY AND CITY.	Cen- sus year.	AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
		NUMBER OF ES- TABLISHMENTS OWNED BY—			In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.				
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.		All oth- ers.	Indi- vid- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Corpora- tions.	All oth- ers.	
All industries.....	1919	2,399	1,376	1,028	123,441	11,946	100,698	10,797	9.7	81.6	8.7	\$693,237,096	\$34,535,089	\$622,245,546	\$36,456,461	5.0	89.8	5.3	
	1914	2,150	1,354	1,126	104,461	12,543	80,181	11,737	12.0	76.8	11.2	253,270,511	15,877,335	220,795,094	16,598,082	6.3	87.2	6.6	
	1909	2,292	1,252	1,248	104,558	16,527	72,207	15,854	15.8	69.0	15.2	202,863,262	19,355,313	165,057,980	18,449,969	9.5	81.4	9.1	
Bread and other bakery products.	1919	80	13	17	844	368	330	146	43.6	39.1	17.3	6,322,498	2,121,243	3,125,358	1,075,897	33.6	49.4	17.0	
	1914	87	9	11	720	400	249	77	55.1	34.3	10.6	2,537,212	1,084,527	1,147,139	305,546	42.7	45.2	12.0	
Cars and general shop con- struction and repairs by steam-railroad companies.	1919	—	29	—	8,210	—	8,210	—	—	100.0	—	19,731,320	—	19,731,320	—	—	100.0	—	
	1914	—	34	—	6,943	—	6,943	—	—	100.0	—	8,970,460	—	8,970,460	—	—	100.0	—	
Clothing, men's.....	1919	4	10	10	1,397	205	570	622	14.7	40.8	44.5	6,309,739	815,407	2,991,656	2,502,676	12.9	47.4	39.7	
	1914	3	10	4	1,187	184	631	372	15.5	53.2	31.3	2,371,145	294,752	1,174,925	901,468	12.4	49.6	38.0	
Confectionery and ice cream.	1919	28	23	9	1,553	186	1,274	93	12.0	82.0	6.0	9,680,022	1,085,281	7,998,264	596,477	11.2	82.6	6.2	
	1914	19	15	8	726	187	517	22	25.8	71.2	3.0	2,455,233	483,747	1,888,806	82,680	19.7	76.9	3.4	
Cotton goods.....	1919	1	128	3	38,283	1,470	37,813	—	1.2	98.8	—	192,185,896	1,248,800	190,037,096	—	1.1	98.9	—	
	1914	6	111	1	30,719	1,467	30,252	—	1.5	98.5	—	59,982,008	1,708,343	59,273,665	—	1.2	98.8	—	
Fertilizers.....	1919	13	112	19	4,152	41	3,829	282	1.0	92.2	6.8	47,479,842	522,780	44,705,560	2,251,502	1.1	94.2	4.7	
	1914	22	168	40	3,833	50	3,502	281	1.3	91.4	7.3	29,045,903	461,049	26,225,466	2,359,398	1.6	90.3	8.1	
Flour-mill and gristmill products.	1919	100	24	37	371	62	274	35	16.7	73.9	9.4	11,991,429	1,131,467	9,760,819	1,109,143	9.4	81.3	9.2	
	1914	80	18	30	367	104	209	54	28.3	56.9	14.7	6,083,760	846,597	4,437,566	799,597	13.9	72.9	13.1	
Food preparations, not else- where specified.	1919	32	10	5	481	21	440	20	4.4	91.5	4.2	34,492,102	166,711	33,764,026	561,365	0.5	97.9	1.6	
	1914	6	7	2	692	17	675	—	2.5	97.5	—	10,824,265	1,130,823	16,684,442	—	0.8	99.2	—	
Foundry and machine-shop products. <sup>1</sup>	1919	51	48	29	4,103	506	3,352	245	12.3	81.7	6.0	16,819,429	1,395,263	14,502,511	921,655	8.3	86.2	5.5	
	1914	30	42	23	2,401	190	2,011	200	7.9	83.8	8.3	5,242,034	365,648	4,605,468	270,918	7.0	87.9	5.2	
Furniture.....	1919	8	21	3	1,355	58	1,118	179	4.3	92.0	13.2	179,466	179,466	4,372,163	550,809	3.5	85.6	10.9	
	1914	5	26	3	1,365	23	1,310	32	1.7	96.0	2.3	2,042,263	35,937	1,939,926	66,400	1.8	95.0	3.2	
Ice, manufactured.....	1919	8	50	12	1,115	51	1,003	61	4.6	90.0	5.5	4,440,229	280,986	3,963,442	195,801	6.3	89.3	4.4	
	1914	20	44	10	890	84	758	48	9.4	85.2	5.4	2,064,984	196,044	1,758,860	110,080	9.5	85.2	5.3	
Lumber and timber prod- ucts.	1919	1,045	79	393	13,375	3,904	6,204	2,467	29.2	49.0	21.3	26,836,279	7,967,918	18,082,526	5,785,835	29.7	48.7	21.6	
	1914	963	104	396	15,023	4,753	7,209	3,061	31.6	48.5	20.4	14,801,752	4,391,455	7,382,932	3,027,365	29.7	49.9	20.5	
Lumber, planing-mill prod- ucts, not including plan- ing mills connected with sawmills.	1919	46	50	35	2,688	365	1,847	476	13.6	68.7	17.7	14,029,180	1,846,482	9,208,216	2,974,482	13.2	65.6	21.2	
	1914	50	56	37	2,350	389	1,542	419	16.6	65.6	17.8	6,418,212	846,351	4,318,550	1,253,311	13.2	67.3	19.5	
Marble and stone work.....	1919	40	25	19	1,713	178	1,315	220	10.4	76.8	12.8	4,955,812	538,970	3,859,229	557,613	10.9	77.9	11.3	
	1914	44	26	30	2,622	281	1,871	470	10.7	71.4	17.9	3,651,595	376,646	2,765,284	509,605	10.3	75.7	14.0	
Mineral and soda waters....	1919	66	67	33	974	295	535	144	30.3	54.9	14.8	8,484,054	1,879,581	5,453,946	1,150,527	22.2	64.3	13.6	
	1914	80	78	46	846	192	503	151	22.7	59.5	17.8	3,385,747	485,143	2,317,134	583,470	14.3	68.4	17.2	
Oil and cake, cottonseed....	1919	3	109	4	5,526	39	5,389	98	0.7	97.5	1.8	99,320,307	538,970	97,424,862	1,356,473	0.5	98.8	1.4	
	1914	4	145	4	4,212	32	4,139	41	0.8	98.3	1.0	32,714,801	161,660	32,335,422	217,719	0.5	98.1	0.7	
Printing and publishing, book and job.	1919	87	27	38	1,110	285	648	177	25.7	58.4	15.9	4,409,104	1,185,783	2,386,976	836,345	26.9	54.1	19.0	
	1914	68	26	28	923	191	574	158	20.7	62.2	17.1	2,217,274	426,106	1,413,114	378,054	19.2	63.7	17.1	
Printing and publishing, newspapers and period- icals.	1919	125	82	55	1,719	268	1,360	91	15.6	79.1	5.3	9,683,328	1,060,915	8,249,403	373,010	11.0	85.2	3.9	
	1914	152	98	63	1,496	373	948	175	24.9	63.4	11.7	5,237,563	751,902	4,009,155	476,506	14.4	76.5	9.1	
Saddlery and harness.....	1919	10	5	5	563	34	379	150	6.0	67.3	26.6	4,154,219	127,715	3,134,052	892,452	3.1	75.4	21.5	
	1914	19	8	10	758	100	607	51	13.2	80.1	6.7	1,950,489	196,411	1,608,620	245,458	10.1	77.3	12.6	
Turpentine and rosin.....	1919	244	46	151	7,078	3,064	774	3,240	43.3	10.9	45.8	10,874,714	4,609,655	1,320,380	4,944,679	42.4	12.1	45.5	
	1914	254	42	266	9,118	3,449	835	4,834	37.8	9.2	53.0	4,607,590	1,694,126	447,636	2,465,828	36.8	9.7	53.5	
Total for cities.....	1919	422	575	214	49,981	2,838	44,237	2,906	5.7	88.5	5.8	310,465,150	12,352,112	288,698,656	15,414,382	3.9	91.2	4.9	
	1914	314	460	150	33,448	2,016	29,648	1,784	6.0	88.6	5.3	98,498,140	4,396,127	89,170,525	4,931,488	4.5	90.5	5.0	
ALBANY.....	1919	9	12	2	308	103	205	—	33.4	66.6	—	2,694,423	1,995,345	1,699,078	—	36.9	63.1	—	
	1919	12	22	9	1,199	67	1,021	111	5.6	85.2	9.3	7,768,324	253,803	6,726,210	788,311	3.3	86.6	10.1	
	1914	16	21	11	1,308	130	1,181	47	9.9	86.5	3.6	3,023,492	236,354	2,518,915	268,223	7.8	83.3	8.9	
ATLANTA.....	1919	157	252	94	15,739	1,338	13,265	1,136	8.5	81.3	7.2	113,991,946	5,985,108	102,003,744	6,003,094	5.2	89.5	5.3	
	1914	133	219	71	12,585	982	10,533	1,070	7.8	83.7	8.5	41,278,927	2,299,954	36,506,023	2,481,950	5.5	88.4	6.0	
AUGUSTA.....	1919	25	46	22	5,156	131	4,891	134	2.5	94.9	2.6	37,180,571	538,363	35,692,625	929,583	1.4	96.0	2.5	
	1914	27	38	8	4,925	171	4,728	26	3.5	96.0	0.5	12,138,224	320,065	11,689,700	128,469	2.6	96.3	1.1	
BRUNSWICK.....	1919	15	21	10	1,629	41	1,507	81	2.5	92.5	5.0	6,191,294	245,972	5,715,701	229,621	4.0	92.3	3.7	
	1914	10	19	5	743	52	667	24	7.0	89.8	3.2	840,833	75,959	714,594	50,280	9.0	85.0	6.0	
COLUMBUS.....	1919	24	39	11	8,087	170	7,867	50	2.1	97.3	0.6	35,561,512	768,325	34					



# MANUFACTURES—GEORGIA.

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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		12		7		4		1			
	1914		9		5		3		1			
	1909		9		5		3		1			
Population <sup>1</sup> .....	1920	2,895,832	522,393	18.0	101,857	3.5	219,920	7.6	200,616	6.9	2,373,439	82.0
	1915	2,776,513	421,051	15.2	81,634	2.9	160,125	5.8	179,232	6.5	2,355,462	84.8
	1910	2,609,121	373,841	14.3	72,233	2.8	146,769	5.6	154,839	5.9	2,235,250	85.7
Number of establishments.....	1919	4,803	1,211	25.2	260	5.4	448	9.3	503	10.5	3,592	74.8
	1914	4,039	924	19.9	230	5.0	271	5.8	423	9.1	3,715	80.1
	1909	4,792	938	19.6	170	3.6	285	5.9	483	10.1	3,854	80.4
Average number of wage earners.....	1919	123,441	49,981	40.5	10,699	8.7	23,543	19.1	15,739	12.8	73,460	59.5
	1914	104,461	33,448	32.0	9,544	9.1	11,319	10.8	12,585	12.0	71,013	68.0
	1909	104,588	31,714	30.3	8,084	7.7	11,328	10.8	12,302	11.8	72,874	69.7
Value of products.....	1919	\$693,237,096	\$316,465,150	45.7	\$53,943,172	7.8	\$148,530,032	21.4	\$113,991,946	16.4	\$376,771,946	54.3
	1914	253,270,511	98,498,140	38.9	19,870,462	7.8	37,348,751	14.7	41,278,927	16.3	154,772,371	61.1
	1909	202,863,202	74,414,871	36.7	14,328,986	7.1	27,047,883	13.3	33,038,002	16.3	125,445,391	63.3
Value added by manufacture.....	1919	252,747,039	115,418,485	45.7	21,316,086	8.4	47,081,339	19.0	46,121,060	18.2	137,328,554	54.3
	1914	93,181,902	37,723,906	40.5	7,950,562	8.5	11,611,473	12.5	18,161,871	19.5	55,457,986	59.5
	1909	85,893,498	32,777,875	38.2	5,580,776	6.4	10,627,414	12.4	16,612,685	19.3	53,115,623	61.8

<sup>1</sup> 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 CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

CITY AND INDUSTRY.	VALUE OF PRODUCTS.				CITY AND 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.
ATLANTA.					AUGUSTA—Continued.				
Oil and cake, cottonseed.....	\$8,550,157	8.6	\$5,325,305	165.1	Cars and general shop construction and repairs by steam-railroad companies.....	(1)	(1)	(1)	(1)
Food preparations, not elsewhere specified.	8,330,013	24.2	(1)		Flour-mill and gristmill products.....	(1)	(1)	(1)	(1)
Confectionery and ice cream.....	7,349,341	75.9	5,207,318	243.1	Foundry and machine-shop products.....				
Printing and publishing, newspapers and periodicals.....	5,644,612	58.3	2,765,984	96.1	Waste, cotton.....				
Foundry and machine-shop products <sup>2</sup> .....	3,784,076	22.5	2,727,161	258.0	MACON.				
Furniture.....	3,177,563	62.2	(1)		Oil and cake, cottonseed.....	\$3,857,082	8.9	(1)	
Bread and other bakery products.....	3,005,112	47.5	1,694,754	129.3	Cotton goods.....	5,550,580	2.9	(1)	
Printing and publishing, book and job.....	2,963,568	67.2	1,528,629	106.5	Cars and general shop construction and repairs by steam-railroad companies.....	2,944,529	14.9	(1)	
Clothing, men's.....	2,789,150	44.2	1,720,339	161.0	Lumber, planing-mill products, not including planing mills connected with sawmills.....	2,070,809	14.8	\$1,530,984	283.6
Lumber, planing-mill products, not including planing mills connected with sawmills.....	2,674,953	19.1	(1)		Confectionery and ice cream.....	751,889	7.8	(1)	
Patent medicines and compounds.....	2,658,643	92.0	1,672,832	169.7	Ice, manufactured.....	477,571	10.8	(1)	
Mattresses and spring beds, not elsewhere specified.....	2,155,974	78.6	1,484,070	220.9	Brick, sewer pipe, and drain tile.....				
Mineral and soda waters.....	1,687,938	19.9	1,207,812	251.6	Clothing, men's.....				
Hats, straw.....	1,216,828	100.0	(1)		Fertilizers.....				
Ice, manufactured.....	1,161,881	26.2	666,077	134.3	Flour-mill and gristmill products.....				
Automobiles.....					Food preparations, not elsewhere specified.				
Belting, leather.....					Foundry and machine-shop products.....	(1)	(1)	(1)	(1)
Boots and shoes.....					Knit goods.....				
Boxes, paper and other, not elsewhere specified.....					Lumber and timber products.....				
Cars and general shop construction and repairs by steam-railroad companies.....	(1)	(1)	(1)	(1)	Mineral and soda waters.....				
Clothing, women's.....					Printing and publishing, newspapers and periodicals.....				
Cordials and flavoring sirups.....					Slaughtering and meat packing.....				
Cotton goods.....					SAVANNAH.				
Fertilizers.....					Fertilizers.....	5,734,496	12.1	(1)	
Flour-mill and gristmill products.....					Cars and general shop construction and repairs by steam-railroad companies.....	1,741,165	8.8	(1)	
Gas, illuminating and heating.....					Foundry and machine-shop products <sup>2</sup> .....	1,226,400	7.5	959,467	359.4
AUGUSTA.					Bread and other bakery products.....	1,171,546	18.5	792,914	209.4
Oil and cake, cottonseed.....	11,499,752	11.6	9,537,417	486.0	Printing and publishing, newspapers and periodicals.....	683,140	7.1	286,552	72.3
Cotton goods.....	10,472,021	5.4	6,667,790	175.3	Clothing, men's.....	592,053	9.4	(1)	
Fertilizers.....	3,145,725	6.6	2,145,157	214.4	Ice, manufactured.....	552,762	12.4	331,712	150.1
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1,182,061	8.4	580,120	96.4	Mineral and carbonated waters.....	544,662	6.4	43,100	8.6
Confectionery and ice cream.....	925,375	9.6	872,350	1,645.2	Bags, other than paper, not including bags made in textile mills.....	(1)	(1)	(1)	(1)
Mineral and carbonated waters.....	750,129	8.8	575,054	328.5	Oil, composite.....				
Printing and publishing, newspapers and periodicals.....	503,400	5.2	243,833	93.9					

<sup>1</sup> Fig. res can not be shown without disclosing individual operations.

<sup>2</sup> Includes "iron and steel, welding" and "textile machinery and parts."

<sup>3</sup> Includes "iron and steel, welding."

## MANUFACTURES—GEORGIA.

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

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	13,714	9,244	6,323	436,608	357,403	298,241	100.0	100.0	100.0
Owned.....	3,763	4,929	4,660	276,151	280,672	272,928	63.2	78.5	91.5
Steam <sup>1</sup> .....	3,031	3,439	4,011	243,642	245,811	240,800	55.8	68.8	80.7
Engines.....	2,877	( <sup>2</sup> )	( <sup>2</sup> )	222,296	( <sup>2</sup> )	( <sup>2</sup> )	50.9	—	—
Turbines.....	154	( <sup>2</sup> )	( <sup>2</sup> )	21,346	( <sup>2</sup> )	( <sup>2</sup> )	4.9	—	—
Internal-combustion engines.....	607	695	418	5,603	7,032	3,380	1.3	2.0	1.1
Water.....	125	795	231	26,906	27,829	28,748	6.2	7.8	9.6
Water wheels and turbines.....	124	788	221	26,904	27,793	28,288	6.2	7.8	9.5
Water motors.....	1	7	10	2	36	400	( <sup>3</sup> )	( <sup>3</sup> )	0.2
Rented.....	9,951	4,315	1,663	160,457	76,731	25,313	36.8	21.5	8.5
Electric.....	9,951	4,315	1,663	157,568	76,458	23,890	36.1	21.4	8.0
Other.....	—	—	—	2,889	273	1,423	0.7	0.1	0.5
Electric.....	11,959	5,425	2,492	194,263	103,140	44,264	100.0	100.0	100.0
Rented.....	9,951	4,315	1,663	157,568	76,458	23,890	81.1	74.1	51.0
Generated by establishments reporting.....	2,008	1,110	829	36,695	26,682	20,374	18.9	25.9	46.0

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

TABLE 18.—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 1914	1,452,454 1,419,238	45,215 30,315	202,110 82,638	53,094 ( <sup>1</sup> )	81,153 35,150
Per cent of increase <sup>2</sup> .....	—1.9	2.3	49.2	208.8	—	130.9
Brick and tile, terra-cotta, and fire-clay products.....	300	141,231	4,422	166	146	—
Cars and general shop construction and repairs by steam-railroad companies.....	—	54,115	909	3,230	15	687
Cement.....	—	36,478	—	—	—	—
Coke, not including gas-house coke.....	—	33,030	—	—	—	—
Cotton goods.....	—	386,897	400	444	663	—
Gas, illuminating and heating.....	—	103,074	9,339	101,095	11,512	50
Ice, manufactured.....	—	149,910	450	—	447	—
Iron and steel, steel works and rolling mills.....	—	65,275	—	—	633	—
Knit goods.....	—	22,013	—	14	69	—
Marble and stone work.....	1	31,630	75	5	216	—
Oil and cake, cottonseed.....	—	181,680	73	395	297	—
Paper and wood pulp.....	—	30,740	—	—	305	—
Sugar, refining, not including beet sugar.....	—	28,800	250	76,370	260	—
All other industries.....	3,067	187,581	29,297	20,301	38,501	80,416
Total for cities.....	2,135	535,692	27,299	114,506	31,875	80,343
ALBANY.....	—	6,750	424	2,000	165	—
ATHENS.....	—	13,221	1,082	4	2	610
ATLANTA.....	834	197,439	10,051	84,713	17,624	60,709
AUGUSTA.....	47	43,369	3,096	381	12,741	3,303
BRUNSWICK.....	2	8,907	441	103	250	200
COLUMBUS.....	20	56,396	2,675	400	142	1,585
LA GRANGE.....	—	34,725	555	1,260	140	119
MACON.....	130	112,748	947	1,328	143	7,541
ROME.....	—	14,158	1,250	21	85	648
SAVANNAH.....	1,027	32,119	6,058	24,282	5	5,368
VALDOSTA.....	74	7,343	120	4	560	—
WAYCROSS.....	1	8,517	600	5	18	200

<sup>1</sup> Included in figures for fuel oils.<sup>2</sup> 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 eight of these industries in Georgia are here presented.

**Cotton goods (Table 19).**—This table shows the quantity and cost of the principal materials used, and the quantity and value of the chief products of the cotton-goods industry for the state for the census years 1919, 1914, and 1909.

TABLE 19.—COTTON GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
<b>MATERIALS.</b>			
Total cost.....	\$123,438,508	\$41,209,574	\$32,048,739
Cotton:			
Pounds.....	340,157,702	288,456,008	250,820,180
Cost.....	\$105,271,078	\$35,272,210	\$27,584,458
Cotton yarn, purchased:			
Pounds.....	3,019,050	2,075,976	429,063
Cost.....	\$1,067,965	\$408,295	\$84,782
Cotton waste, purchased:			
Pounds.....	12,420,341	6,936,231	8,201,342
Cost.....	\$2,329,156	\$549,612	\$310,055
Starch, cost.....	\$666,802	\$262,473	\$167,828
Chemicals and dyestuffs, cost.....	\$904,331	\$256,499	\$251,239
Fuel and rent of power, cost.....	\$3,032,346	\$1,378,424	\$1,020,216
All other materials, cost.....	\$9,566,230	\$3,082,055	\$2,330,161
<b>PRODUCTS.</b>			
Total value.....	\$192,185,896	\$59,982,008	\$48,036,817
Woven goods (over 12 inches in width):			
Pounds.....	223,530,118	( <sup>1</sup> )	( <sup>1</sup> )
Square yards.....	553,882,081	596,279,936	489,225,528
Value.....	\$140,726,106	\$43,279,755	\$33,435,787
Sheetings—			
Pounds.....	59,091,159	( <sup>1</sup> )	( <sup>1</sup> )
Square yards.....	238,851,455	308,075,717	263,509,923
Value.....	\$36,094,787	\$14,956,371	\$13,127,547
Shirtings and muslins—			
Pounds.....	5,584,620	( <sup>1</sup> )	( <sup>1</sup> )
Square yards.....	30,050,442	11,033,327	
Value.....	\$4,186,165	\$750,998	
Drills—			
Pounds.....	30,335,163	( <sup>1</sup> )	( <sup>1</sup> )
Square yards.....	86,226,872	68,911,226	64,075,402
Value.....	\$19,202,104	\$5,087,859	\$4,378,103
Twills, sateens, etc.—			
Pounds.....	13,491,612	( <sup>1</sup> )	( <sup>1</sup> )
Square yards.....	25,622,585	15,353,897	5,246,064
Value.....	\$3,589,810	\$1,188,687	\$448,234
Ticks and denims—			
Pounds.....	10,844,923	( <sup>1</sup> )	( <sup>1</sup> )
Square yards.....	19,632,868	30,356,304	35,219,627
Value.....	\$7,129,775	\$2,772,007	\$2,585,817
Cotton flannel (canton flannel, flannel-ettes, and blanketings)—			
Pounds.....	8,331,595	( <sup>1</sup> )	( <sup>1</sup> )
Square yards.....	15,656,295	16,190,524	20,472,783
Value.....	\$4,598,467	\$1,316,680	\$1,700,757
Duck—			
Pounds.....	67,179,083	( <sup>1</sup> )	( <sup>1</sup> )
Square yards.....	77,194,196	77,730,988	49,484,921
Value.....	\$43,879,551	\$11,448,884	\$6,640,339
Towelings and terry weaves—			
Pounds.....	5,169,816	( <sup>1</sup> )	( <sup>1</sup> )
Square yards.....	8,566,611	14,836,281	12,264,366
Value.....	\$3,807,842	\$1,657,011	\$1,374,772
Other woven goods (over 12 inches in width)—			
Pounds.....	23,502,147	( <sup>1</sup> )	( <sup>1</sup> )
Square yards.....	52,060,757	57,891,672	38,952,472
Value.....	\$13,237,605	\$4,101,258	\$3,180,168
Yarns, for sale:			
Pounds.....	76,653,909	65,777,960	61,956,708
Value.....	\$43,316,573	\$13,274,804	\$11,971,488
Cotton waste, for sale:			
Pounds.....	24,407,154	19,128,934	19,684,927
Value.....	\$1,747,662	\$605,781	\$510,168
All other products, value.....	\$6,395,555	\$2,821,608	\$2,119,424

<sup>1</sup> Not reported.

In 1919 the manufacture of cotton goods was the principal industry in Georgia, giving employment to

31 per cent of the total average number of wage earners, and contributing 27.7 per cent of the total value of products of all industries combined for the state.

The quantities of the principal materials used, of which raw cotton was the most important item, show substantial increases at each census period from 1909, except cotton waste from 1909 to 1914. During the five-year periods 1909 to 1914 and 1914 to 1919, the quantity of raw cotton consumed increased 15 per cent and 17.9 per cent, and purchased cotton yarn 383.8 per cent and 45.4 per cent, respectively, while purchased cotton waste decreased 15.4 per cent from 1909 to 1914, but increased 79.1 per cent from 1914 to 1919.

During the ten-year period 1909–1919 woven goods was the chief product of the cotton-goods industry in Georgia, and although a decrease of 7.1 per cent is shown in square yards of production from 1914 to 1919, there was an increase of 13.2 per cent from 1909 to 1919. Among the different kinds of woven goods produced, it will be seen that prior to the census of 1919 sheetings was the principal product in value, but the quantity produced has decreased, and in 1919 the value reported for the manufacture of duck exceeded that of sheetings, although the quantity of this product also decreased from 1914 to 1919. Yarns manufactured for sale continued to be important products of the industry, and at the census of 1919 constituted nearly one-fourth of the total value of products for the industry in the state.

**Knit goods (Table 20).**—This table shows the quantity and cost of materials used and the quantity and value of the most important products of the knit-goods industry in Georgia for the years 1919, 1914, and 1909.

The knitting mills in Georgia for the principal part of their materials use raw cotton and spin their own yarns. Raw cotton represented, in 1919, more than one-third of the total cost of all materials and, although the quantity used in 1919 shows a decrease of 9 per cent as compared with 1914, an increase of 96.6 per cent was reported for the ten-year period 1909 to 1919. Although purchased cotton yarn, a small part of which was mercerized, measured by number of pounds, was the second most important material used in 1914 and 1919, its cost exceeded that of raw cotton at each of the three censuses.

The knit-goods industry in Georgia is very largely confined to the production of cotton hosiery, the value of this product representing 78.2 per cent of the total for the industry in 1919 and 69.9 per cent in 1914. What little production of underwear there was formerly in the state was reduced until, in 1919, it had become almost negligible. The production of

hose shows an increase in volume since 1909, while, on the other hand, that of half hose has been decreasing. These two items, combined as hosiery, nevertheless show increases in quantity from census to census, 24.8 per cent from 1909 to 1914, and 7.6 per cent from 1914 to 1919.

TABLE 20.—KNIT GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
<b>MATERIALS.</b>			
Total cost.....	\$6,815,016	\$3,062,852	\$1,872,436
Cotton:			
Pounds.....	7,950,262	8,738,056	4,043,536
Cost.....	\$2,462,301	\$997,452	\$456,956
Cotton yarn, purchased:			
Pounds.....	3,777,183	5,086,521	4,886,423
Cost.....	\$2,458,049	\$1,180,263	\$978,805
Chemicals and dyestuffs, cost.....	\$192,929	\$101,877	\$64,558
Fuel and rent of power, cost.....	\$142,021	\$110,143	\$61,757
All other materials, cost.....	\$1,529,716	\$773,117	\$310,360
<b>PRODUCTS.</b>			
Total value.....	\$12,566,787	\$4,892,931	\$3,232,623
Cotton hose:			
Dozen pairs.....	2,896,809	2,515,163	1,226,235
Value.....	\$6,086,447	\$1,836,419	\$1,018,086
Cotton half hose:			
Dozen pairs.....	2,106,611	2,136,798	2,500,095
Value.....	\$3,736,076	\$1,582,129	\$1,370,926
Cotton shirts and drawers:			
Dozens.....	38,291	185,600	314,893
Value.....	\$283,037	\$396,715	\$573,020
All other products, value.....	\$2,461,227	\$1,077,668	\$270,591

**Machinery used in textile mills (Table 21).**—The size and growth of the textile industry in Georgia are clearly indicated by the machinery used, as shown in this table, for the census years 1919, 1914, and 1909.

TABLE 21.—MACHINERY USED IN TEXTILE MILLS: 1919, 1914, AND 1909.

MACHINE	Cen- sus year.	Total.	Cotton goods, including cotton small wares.	Knit goods.	Woolen, worsted, and felt goods, and wool- felt hats.
Producing spindles (not in- cluding twisting and doubling spindles).	1919 1914 1909	2,520,776 2,092,834 1,794,111	2,461,247 2,045,082 1,751,547	38,022 23,756 17,792	21,507 28,996 24,772
Looms.....	1919 1914 1909	146,940 42,409 36,034	146,330 41,881 35,358	..... ..... .....	610 618 676
Knitting machines.....	1919 1914 1909	26,287 4,699 3,530	..... ..... .....	26,287 4,699 3,530	..... ..... .....

<sup>1</sup> Includes 201 small-ware looms in the cotton-goods industry and 12 in the small wares industry.

<sup>2</sup> Includes 453 knitting machines idle entire year.

The machinery reported for the combined textile industries of the state shows relatively large and regular increases in spindles, looms, and knitting machines. In detail it is evident that a general expansion has taken place in all branches except for the group of industries designated as "woolen, worsted, and felt goods, and wool-felt hats," which has reported decreases in machinery at each census from 1909. The textile interests of Georgia are centered in the manufacture of cotton goods. In the cotton-goods industry, for which Georgia ranked fourth among the states in

value of products in 1919, the increase in cotton spindles for the fifteen-year period 1904 to 1919 (not shown in Table 21) was relatively greater than that of any other state reporting 1,000,000 spindles or over in 1919, except North Carolina.

**Fertilizers (Table 22).**—This table shows the quantities and values of the chief products of the fertilizer industry in Georgia in 1919, 1914, and 1909. Georgia is the ranking state in this industry. Although there was an increase in value of the fertilizer products of 67.8 per cent for the period 1914–1919, there was a material decrease in quantity production. The fertilizer tonnage shows a decrease of 16.3 per cent during this five-year period, but an increase of 53.3 per cent for the ten-year period. The average value per ton of fertilizers, which was \$18 in 1909 and \$17 in 1914, increased to \$34 per ton in 1919.

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

PRODUCT.	1919	1914	1909
Total value.....	\$47,479,842	\$29,045,903	\$16,800,301
Fertilizers: <sup>1</sup>			
Tons.....	1,302,249	1,628,480	888,137
Value.....	\$40,045,128	\$27,792,982	\$15,903,284
Complete and ammoniated—			
Tons.....	995,512	1,035,992	595,105
Value.....	\$39,495,055	\$21,779,931	\$12,131,874
Superphosphates and concentrated phosphates—			
Tons.....	341,515	459,783	217,594
Value.....	\$6,228,255	\$4,138,243	\$2,546,635
Other fertilizers—			
Tons.....	25,222	132,705	75,438
Value.....	\$921,218	\$1,874,808	\$1,229,775
All other products, value.....	\$834,714	\$1,252,921	\$892,017

<sup>1</sup> In addition, there were produced in 1919, 50,003 tons of fertilizers, valued at \$2,151,851, by 13 cottonseed mills; in 1914, 119,567 tons, valued at \$2,607,293; and in 1909, 73,315 tons, valued at \$1,453,338.

**Lumber and timber products (Table 23).**—This table presents statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. In 1899 the state ranked seventh among the states in the production of lumber. In 1919 it ranked thirteenth. The largest cut, 1,342,249,000 feet, was reported for 1909, and 1919 shows a decrease of 33.4 per cent compared with the output for that year and of 12.9 per cent as compared with the output for 1914.

TABLE 23.—LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY. <sup>1</sup>		
	1919	1914	1909
Lumber..... M feet b. m.	893,965	1,026,191	1,342,249
Lath..... thousands..	19,718	(?)	58,704
Shingles..... thousands..	114,806	(?)	443,260

<sup>1</sup> The output of custom mills is included in 1919 and 1909, but not in 1914.

<sup>2</sup> Not reported.

The lumber cut from the principal species in 1919 was reported as follows: Yellow pine 767,217,000 feet, or 85.8 per cent of the total cut from all species

in the state; cypress 43,440,000 feet, or 4.9 per cent; oak 34,537,000 feet, or 3.9 per cent; yellow poplar 18,575,000 feet, or 2.1 per cent; and gum 15,510,000 feet, or 1.7 per cent. Among other woods sawed into lumber in considerable quantities were ash, tupelo, and chestnut.

**Turpentine and rosin (Table 24).**—In 1899 Georgia was the leading state in the production of turpentine and rosin. Since that time it has occupied second place for all years for which records are available, Florida occupying first place. The quantities and values of turpentine and rosin produced by 441 establishments in 1919, 562 in 1914, and 592 in 1909 are shown in Table 24.

TABLE 24.—TURPENTINE AND ROSIN: 1919, 1914, AND 1909.

PRODUCT.	1919	1914	1909
Total value.....	\$10, 874, 714	\$4, 607, 590	\$6, 938, 957
Spirits of turpentine:			
Gallons.....	3, 997, 310	6, 228, 041	8, 056, 752
Value.....	\$4, 544, 679	\$2, 489, 145	\$3, 558, 985
Rosin:			
Barrels (280 pounds).....	419, 090	621, 306	904, 103
Value.....	\$6, 228, 507	\$2, 068, 218	\$3, 371, 076
All other products, value.....	\$101, 528	\$50, 227	\$10, 316

The production of turpentine and of rosin shows a decrease for the two five-year periods. The quantity of turpentine decreased 22.7 per cent in 1914 compared with 1909, and 35.8 per cent in 1919 compared with 1914. The output of rosin showed a decrease of 31.3 per cent in 1914 compared with 1909, and 32.5 per cent in 1919 compared with 1914. On account of the high prices prevailing in 1919 the total value of all products for the industry increased 136 per cent compared with the total value of products in 1914.

The working unit in the gathering of crude gum is called a "crop," which consists of 10,500 boxes or cups. In 1919 there were 3,165 crops worked in the state. Of these, 715 were from "virgin" trees, or trees worked the first year; 643 from "yearling," or trees worked the second year; and 1,807 from "pulling," or trees worked the third and subsequent years. Of the foregoing, 2,507 were worked from back-boxed timber—527 "virgin," 471 "yearling," and 1,509 "pulling."

Of the 3,165 crops worked in 1919, 75.7 per cent were gathered by the cup system and 24.3 per cent by the box system. In 1914 the number of crops worked was 5,044. Of these, 50.5 per cent were gathered by the cup system and 49.5 per cent by the box system. In 1909 the total number of crops was reported as 6,178, and only 7.4 per cent were gathered by the cup system.

**Shipbuilding, including boat building (Tables 25 and 26).**—This industry includes the building and repairing of steel and wooden vessels, as well as small craft, and the manufacture of masts, spars, oars, etc.

Comparisons of the 1919 figures for this industry, unlike those for any other for which totals are presented, are made with those of the special census for shipbuilding taken in 1916.

The number and tonnage of all vessels over 5 gross tons launched in 1919 and 1916 are shown, by classes, in Table 25.

TABLE 25.—SHIPBUILDING, INCLUDING BOAT BUILDING—NUMBER AND TONNAGE: 1919 AND 1916.

	1919		1916	
	Num-ber.	Gross tonnage.	Num-ber.	Gross tonnage.
Vessels, 5 gross tons and over, launched during the year.....	36	38,528	2	13
Steel, steam.....	25	25,249		
Wooden.....	11	13,279	2	13
Steam.....	8	7,603		
Motor.....			2	13
Sail without auxiliary power.....	2	2,176		
Unrigged.....	1	3,500		

With the exception of 2 small wooden motor vessels with an aggregate of 13 gross tons, no vessels of over 5 gross tons were launched in Georgia in 1916. Of the 7 establishments in the shipbuilding industry in 1916, only 1 was in existence in 1919, so that 9 of the 10 establishments reporting in 1919 were organized after 1916.

Of the 38,528 gross tonnage launched in 1919, 25,249 were steel and 13,279 wooden.

Twenty-three of the steel steam vessels launched in 1919 were mine sweepers of 820 displacement tons each. They were built for foreign governments, and were later turned into trawlers. Of the other two steel steam vessels launched, one, of 5,189 gross tons, was an oil tanker, and the other was a steam barge for freight service.

Twenty-four steel vessels with a total of 24,049 gross tons were launched at Savannah and one at Brunswick.

The value of work done upon vessels of all kinds during 1919 and 1916 is shown in Table 26.

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

	1919	1916
Total value of work.....	\$20, 943, 505	\$454, 390
Work done during the year on new vessels, 5 gross tons and over.....	20, 499, 496	290, 978
Steel.....	15, 709, 064	
Wood.....	4, 790, 432	290, 978
Boats of less than 5 tons.....		3, 075
Sailboats, rowboats, etc.....		3, 075
Repair work.....	444, 009	136, 439
Steel.....	410, 958	70, 000
Wood.....	33, 051	66, 439
All other products.....		23, 898

**Flour-mill and gristmill products (Table 27).**—During the five-year period 1914 to 1919 there was an increase of \$5,907,669, or 97.1 per cent, in the total value of products for this industry in the state.

In 1919 wheat flour was the product of chief value, forming 48.1 per cent of the total, as compared with 35.4 per cent in 1914, at which census this product of the industry was second in importance. In 1914 corn meal and corn flour was the ranking product in value, with 49.5 per cent of the total, as compared with 33.8 per cent in 1919. All items for which figures appear in the table show increases in value much greater than in quantity; in fact, decreases in quantity are shown for corn meal and corn flour, and for feed and offal of 33.8 per cent and 27.8 per cent, respectively, in 1919, as compared with 1914.

TABLE 27.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$11,991,429	\$6,083,760	\$7,999,912
Wheat flour:			
Barrels.....	491,402	348,421	415,220
Value.....	\$5,769,888	\$2,155,527	\$2,634,638
Corn meal and corn flour:			
Barrels.....	541,962	819,110	1,369,971
Value.....	\$4,050,824	\$3,012,837	\$4,609,764
Bran and middlings:			
Tons.....	21,050	14,491	
Value.....	\$1,075,514	\$350,709	27,270
Feed and offal:			
Tons.....	13,733	19,015	\$703,032
Value.....	\$867,517	\$551,081	
All other cereal products, value.....	\$71,719	\$2,702	\$419
All other products, value.....	\$155,967	\$1,904	\$52,059

Printing and publishing (Table 28).—This table gives the number and aggregate circulation per issue of all newspapers and periodicals published in the state during the census years 1919, 1914, and 1909.

TABLE 28.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.....	304	351	357	1,627,216	1,709,343	1,626,562
Daily.....	30	29	27	298,728	265,416	215,660
Sunday.....	14	10	13	335,912	259,108	172,039
Semiweekly <sup>1</sup> .....	16	17	17	248,298	240,215	285,629
Weekly.....	201	241	246	262,075	363,121	423,897
Semi-monthly.....	6	5	3	344,300	303,217	143,000
Monthly.....	34	46	51	109,603	276,066	388,337
All other classes <sup>2</sup> .....	3	3		28,300	2,200	

<sup>1</sup> Includes 1 triweekly in 1919; 3 in 1914; and 3 in 1909.

<sup>2</sup> Includes 1 quarterly and 2 bimonthlies in 1919; and 1 quarterly, 1 bimonthly, and 1 semiannual in 1914.

The increase in the circulation of dailies during the five-year period from 1914 to 1919 was 12.6 per cent and for the decade 38.5 per cent. Of the dailies in 1919, 10 were published in the morning, their circulation being 121,177, an increase of 15.9 per cent, and 20 were published in the afternoon, their circulation being 177,551, an increase of 10.4 per cent for the five-year period. The circulation of the Sunday newspapers shows a gain of 29.6 per cent from 1914 to 1919 and of 95.2 per cent for the decade. A considerable decrease appears in the number and circulation

of both weekly and monthly publications devoted to politics, literature, and anticlericalism.

All publications were printed in the English language.

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 of Georgia for 1919 and 1914.

TABLE 29.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, <sup>1</sup> 1914-1919.
	1919	1914	
Number of establishments.....	52	43	
Persons engaged.....	2,522	2,008	25.6
Proprietors and firm members.....	40	35	
Salaried employees.....	288	197	46.2
Wage earners (average number).....	2,194	1,776	23.5
Primary horsepower.....	2,566	1,773	44.7
Capital.....	\$1,919,132	\$1,044,728	83.7
Salaries and wages.....	1,631,435	778,966	109.4
Salaries.....	426,179	207,229	105.7
Wages.....	1,205,256	571,737	110.8
Paid for contract work.....	1,837	1,895	-3.1
Rent and taxes.....	131,611	49,152	167.8
Cost of materials.....	872,895	335,841	159.9
Amount received for work done.....	3,216,832	1,632,221	97.1

<sup>1</sup> A minus sign (—) denotes decrease; 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 manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 30.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	12
Persons engaged.....	169
Proprietors and firm members.....	3
Salaried employees.....	37
Wage earners (average number).....	129
Primary horsepower.....	187
Capital.....	\$129,541
Salaries and wages.....	125,797
Salaries.....	32,022
Wages.....	93,775
Paid for contract work.....	860
Rent and taxes.....	20,338
Cost of materials.....	90,559
Amount received for work done.....	320,963

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, <sup>1</sup> 1909-1919
	1919	1909	
Number of establishments.....	1,069	677	57.9
Persons engaged.....	1,606	1,354	18.6
Proprietors and firm members.....	1,300	877	48.2
Salaries and wages.....	12	8	-----
Wage earners (average number).....	294	469	-37.3
Primary horsepower.....	20,491	13,774	48.8
Capital.....	\$2,100,478	\$1,212,407	73.2
Salaries and wages.....	183,094	80,031	128.8
Salaries.....	9,060	3,183	184.6
Wages.....	174,034	76,848	126.5
Rent and taxes.....	32,668	12,278	166.1
Cost of materials <sup>2</sup> .....	5,933,481	2,233,693	165.6
Value of products <sup>2</sup> .....	7,154,599	2,617,845	173.3

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

<sup>2</sup> Includes estimate of all grain ground.

TABLE 32.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, <sup>1</sup> 1909-1919.
	1919	1909	
Number of establishments.....	339	92	-----
Persons engaged.....	803	369	123.1
Proprietors and firm members.....	569	143	297.9
Salaries and wages.....	6	2	-----
Wage earners (average number).....	228	215	6.0
Primary horsepower.....	7,759	1,771	338.1
Capital.....	\$486,714	\$98,122	395.0
Salaries and wages.....	132,272	39,069	238.6
Salaries.....	1,210	700	72.9
Wages.....	131,062	38,369	241.7
Rent and taxes.....	3,596	1,268	183.6
Cost of materials.....	34,455	2,749	1,153.4
Amount received for work done.....	319,467	109,319	192.2

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

## GENERAL TABLES.

Table 33 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 the cities of Atlanta and Savannah, and for Augusta and Macon and each of the cities in the state having from 10,000 to 50,000 inhabitants, for which comparative figures are available, similar data for all industries combined.

Table 34 presents, for 1919, for the state as a whole, and for Atlanta, Augusta, Macon, and Savannah, 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.



## MANUFACTURES—GEORGIA.

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

INDUSTRY AND CITY.	Cen- sus year.	Number of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Number of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
					Expressed in thousands.								Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1919	4,803	123,441	436,608	\$101,180	\$440,490	\$693,237	Foundry and machine-shop products. <sup>1</sup>	1919	327	5,065	7,973	\$5,416	\$9,457	\$20,243
	1914	4,639	104,461	357,403	38,128	160,089	253,271		1914	116	2,648	4,532	1,484	2,559	5,830
	1909	4,792	104,588	298,241	34,805	116,970	202,883		1909	107	2,892	5,244	1,452	2,662	5,808
Agricultural implements.....	1919	13	892	2,072	654	1,813	3,476	Furniture.....	1919	37	1,355	2,871	1,172	2,612	5,109
	1914	18	577	1,516	230	845	1,501		1914	34	1,365	2,967	509	1,049	2,042
	1909	17	552	1,307	190	583	1,117		1909	42	1,406	2,610	508	883	2,060
Bags, other than paper, not in- cluding bags made in textile mills.	1919	6	146	87	94	1,267	1,553	Gas, illuminating and heating.	1919	17	486	1,344	498	1,519	3,005
	1914	4	287	1,291	110	281	698		1914	19	560	1,999	279	653	2,021
	1909	5	202	523	50	466	604		1909	15	459	689	206	368	1,425
Boxes, paper and other, not elsewhere specified.	1919	10	488	495	304	2,301	3,661	Ice, manufactured.....	1919	70	1,115	14,249	1,060	1,579	4,440
	1914	5	363	233	114	786	1,125		1914	74	890	15,524	454	611	2,065
	1909	8	309	208	93	786	1,140		1909	61	494	8,125	210	275	1,163
Bread and other bakery prod- ucts.	1919	110	844	865	674	4,337	6,322	Knit goods.....	1919	28	3,808	4,325	2,321	6,815	12,567
	1914	107	726	572	331	1,519	2,537		1914	22	3,468	3,386	995	3,003	4,893
	1909	110	491	227	213	932	1,532		1909	22	2,743	2,948	719	1,872	3,233
Brick, tile, pottery, and other clay products.	1919	62	1,625	9,604	1,109	1,282	3,756	Leather goods <sup>2</sup> .....	1919	26	591	514	525	2,633	4,336
	1914	67	1,907	9,836	747	833	2,421		1914	40	778	577	290	1,414	2,004
	1909	102	2,493	9,016	781	687	2,325		1909	34	683	685	252	1,332	2,086
Canning and preserving, fruits and vegetables.	1919	12	115	330	61	331	514	Lumber and timber products <sup>3</sup> .	1919	1,659	16,844	73,991	12,685	18,380	43,066
	1914	10	113	216	18	89	134		1914	1,588	18,196	74,640	6,740	9,311	22,115
	1909	21	251	298	32	139	200		1909	1,826	22,257	83,464	7,306	8,505	24,632
Carriages and wagons, includ- ing repairs.	1919	66	683	910	702	2,082	3,544	Marble and stone work.....	1919	84	1,713	5,087	1,448	1,546	4,956
	1914	59	841	1,365	423	1,206	2,100		1914	100	2,622	5,912	1,278	1,114	3,652
	1909	7	142	342	63	127	201		1909	104	2,099	3,370	998	793	2,648
Cars and general shop con- struction and repairs by electric-railroad companies.	1919	9	218	170	205	226	462	Mattresses and spring beds, not elsewhere specified.	1919	21	422	489	394	1,556	2,742
	1914	8	219	203	81	97	215		1914	17	299	496	316	507	916
	1909	7	142	342	63	127	201		1909	20	310 <sup>4</sup>	465	129	512	949
Cars and general shop con- struction and repairs by steam-railroad companies.	1919	29	8,210	12,903	11,192	7,671	19,731	Mineral and soda waters.....	1919	166	974	2,494	783	4,331	8,484
	1914	34	6,943	14,327	4,341	4,120	8,970		1914	204	846	1,882	370	1,724	3,386
	1909	34	6,269	6,879	3,162	2,964	6,535		1909	176	545	363	181	861	1,835
Clothing, men's, including shirts.	1919	30	1,515	420	761	4,503	6,729	Minerals and earths, ground or otherwise treated.	1919	11	206	2,610	165	184	529
	1914	21	1,303	394	379	1,624	2,518		1914	9	184	1,400	77	104	260
	1909	22	1,242	290	341	1,168	1,934								
Clothing, women's.....	1919	13	340	81	259	1,009	1,613	Oil and cake, cottonseed.....	1919	116	5,526	53,846	3,942	82,271	99,320
	1914	7	215	53	77	183	848		1914	153	4,212	43,143	1,376	27,236	32,715
	1909	4	120	21	33	64	152		1909	142	2,888	29,610	846	19,440	23,641
Coffee, roasting and grinding..	1919	9	49	142	38	386	499	Patent medicines and com- pounds and druggists' prep- arations. <sup>4</sup>	1919	54	244	142	131	1,068	3,681
	1914	6	30	63	11	114	169		1914	45	155	206	63	592	1,219
	1909	5	16	37	7	85	127		1909	50	210	84	81	442	1,421
Coffins, burial cases, and un- dertakers' goods.	1919	7	170	354	133	557	932	Printing and publishing <sup>5</sup> .....	1919	418	2,844	3,273	2,712	5,222	14,130
	1914	8	200	683	98	206	494		1914	441	2,476	2,985	1,696	1,972	7,576
	1909	6	166	435	57	121	345		1909	442	2,395	2,008	1,344	1,588	6,400
Confectionery and ice cream..	1919	60	1,553	1,903	1,003	5,253	9,680	Shipbuilding, wooden, in- cluding boat building.	1919	7	966	1,128	1,629	1,221	3,221
	1914	42	726	817	278	1,520	2,455		1914	4	14	26	8	4	16
Cooperage, hogsheads and bar- rels.	1919	10	112	626	101	504	660	Stoves and hot-air furnaces...	1919	6	274	481	294	335	996
	1914	10	139	289	68	304	424		1914	6	220	250	140	132	372
	1909	14	344	647	114	470	777		1909	6	315	322	166	121	474
Cotton goods.....	1919	132	38,283	150,363	26,278	123,489	192,186	Tobacco, cigars.....	1919	54	278	16	227	423	918
	1914	118	30,719	112,626	8,119	41,210	59,982		1914	68	331	4	138	187	450
	1909	116	27,803	92,979	7,721	32,049	48,037		1909	50	360	10	169	196	506
Fertilizers.....	1919	144	4,152	20,561	3,336	30,767	47,450	Turpentine and rosin.....	1919	441	7,078	783	4,178	2,944	10,875
	1914	230	3,833	19,097	1,406	21,220	29,046		1914	562	9,118	1,158	2,101	1,173	4,608
	1909	110	2,770	10,488	921	10,944	16,800		1909	592	12,787	1,407	2,931	1,260	6,939
Flour-mill and gristmill prod- ucts.	1919	161	371	9,927	314	10,549	11,991	Woolen goods.....	1919	3	595	1,680	440	1,666	2,703
	1914	128	367	8,672	144	5,254	6,084		1914	3	524	1,680	181	355	598
	1909	105	386	9,052	144	6,729	8,000		1909	7	600	1,437	175	443	871
Food preparations, not else- where specified.	1919	47	481	1,905	330	31,748	34,492	All other industries.....	1919	328	12,810	45,594	13,521	64,703	98,635
	1914	15	692	2,202	270	14,047	16,824		1914	237	5,346	20,681	2,379	10,871	18,498
	1909	9	216	774	83	5,523	6,410		1909	401	7,313	21,977	3,128	11,580	20,536

<sup>1</sup> Includes "automobile repairing"; "iron and steel, welding"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts" in all years; "iron and steel, cast-iron pipe" in 1914 and 1909; and "hardware" in 1909.

<sup>2</sup> Includes "saddlery and harness" and "trunks and valises."

<sup>3</sup> Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills," in all years; and "window and door screens" in 1919.

<sup>4</sup> Includes "perfumery and cosmetics."

<sup>5</sup> Includes "bookbinding and blank-book making" in all years, and "engraving, steel and copper plate, including plate printing," in 1914 and 1909.

## MANUFACTURES—GEORGIA.

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

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earners (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
					Expressed in thousands.								Expressed in thousands.		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
ATLANTA..... All industries.	1919 1914 1909	503 423 483	15,739 12,585 12,302	37,678 28,803 22,768	\$14,512 6,004 5,436	\$67,871 23,117 16,418	\$113,992 41,279 33,038	ATLANTA—Continued. Printing and publishing <sup>a</sup> .....	1919 1914 1909	97 105 116	1,524 1,092 1,018	1,545 1,280 903	\$1,442 755 640	\$3,451 1,170 951	\$8,645 4,423 3,836
Bread and other bakery products.	1919 1914 1909	20 22 20	385 299 193	346 254 113	296 140 93	2,072 787 438	3,005 1,310 690	All other industries.....	1919 1914 1909	200 146 196	8,404 7,249 8,105	20,145 15,432 16,202	7,739 3,310 3,347	42,046 12,944 11,523	65,974 22,170 21,213
Brooms, from broom corn.....	1919 1914	5 5	78 63	35 28	47 23	207 98	302 138	AUGUSTA..... All industries. <sup>a</sup>	1919 1914 1909	93 73 71	5,156 4,925 5,073	25,872 16,549 13,324	4,603 1,983 1,741	24,330 8,532 6,602	37,161 12,138 10,456
Carriages and wagons, includ- ing repairs.	1919 1914 1909	6 8 11	150 104 171	86 75 85	168 64 97	281 134 222	560 282 383	MACON..... All industries. <sup>a</sup>	1919 1914 1909	135 70 79	6,457 4,047 3,606	24,022 15,853 8,584	5,639 1,801 1,377	45,203 14,025 6,573	57,721 18,867 10,052
Confectionery and ice cream..	1919 1914	14 12	1,246 638	1,052 614	792 246	3,657 1,324	7,349 2,142	SAVANNAH..... All industries.	1919 1914 1909	146 128 135	3,843 2,347 2,649	8,972 6,774 6,028	3,820 1,192 1,188	10,110 3,180 3,245	18,087 6,343 6,540
Foundry and machine-shop products. <sup>1</sup>	1919 1914 1909	60 26 25	1,217 671 554	1,667 962 1,084	1,484 378 310	2,349 609 594	5,155 1,417 1,234	Bread and other bakery products.	1919 1914 1909	20 21 25	139 132 98	131 108 45	129 63 42	722 219 170	1,172 379 280
Furniture <sup>2</sup> .....	1919 1914 1909	22 15 19	700 558 551	1,386 1,066 1,116	658 236 226	1,533 552 363	3,178 1,032 899	Confectionery and ice cream..	1919 1914	6 4	40 16	64 6	39 6	97 33	194 58
Ice, manufactured.....	1919 1914	4 5	298 210	3,430 3,668	314 105	372 116	1,162 496	Copper, tin, and sheet-iron work.	1919 1914	7 5	41 42	20 8	50 35	116 37	241 103
Leather goods <sup>3</sup> .....	1919 1914 1909	7 5 10	34 26 67	9 6 61	29 16 35	101 29 101	234 75 202	Foundry and machine-shop products. <sup>7</sup>	1919 1914 1909	22 7 6	545 177 255	525 497 488	607 110 137	390 70 105	1,297 267 442
Lumber and timber products <sup>4</sup>	1919 1914 1909	10 15 19	498 666 1,034	1,518 1,785 2,699	493 296 395	1,612 1,151 1,230	2,675 1,773 2,043	Ice, manufactured.....	1919 1914 1909	5 6 4	107 53 45	1,884 1,465 270	115 40 21	255 82 37	553 221 122
Marble and stone work.....	1919 1914 1909	6 9 16	59 85 155	104 150 95	62 44 109	69 37 77	178 110 245	Lumber, planing-mill prod- ucts, not including planing mills connected with saw- mills.	1919 1914 1909	6 8 7	93 105 154	780 731 815	94 46 60	279 177 114	486 288 255
Mattresses and spring beds, not elsewhere specified.	1919 1914 1909	7 7 10	307 204 231	320 269 291	318 101 100	1,157 372 404	2,156 672 768	Mineral and carbonated waters	1919 1914 1909	6 7 7	59 110 38	88 538 14	59 61 15	343 201 51	545 502 115
Millinery and lace goods, not elsewhere specified.	1919 1914	4 5	43 166	8 74	22 72	102 212	214 379	Printing and publishing.....	1919 1914 1909	22 22 24	259 239 287	261 353 183	296 190 169	351 184 188	1,180 647 658
Mineral and soda waters.....	1919 1914 1909	10 10 12	105 93 78	253 88 44	105 43 32	817 226 224	1,688 480 439	All other industries.....	1919 1914 1909	52 48 62	2,550 1,473 1,772	5,221 3,038 4,213	2,431 641 744	7,557 2,177 2,580	12,419 3,878 4,668
Oil and cake, cottonseed.....	1919 1914	5 4	506 357	5,617 2,905	399 111	7,246 2,764	8,550 3,225								
Optical goods.....	1919 1914	4 3	56 38	37 15	69 29	170 88	308 169								
Patent medicines and com- pounds.	1919 1914 1909	22 21 29	129 96 145	120 132 75	75 35 52	599 504 291	2,639 986 1,086								

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

<b>ATHENS</b> .....	1919	42	1,199	5,440	805	4,979	7,768	<b>ROME</b> .....	1919	64	1,970	4,937	1,340	5,872	8,609
	1914	48	1,308	4,303	459	1,941	3,023		1914	50	1,389	2,735	589	2,206	3,301
	1909	37	962	2,209	294	1,329	2,112		1909	36	1,014	2,265	320	1,078	1,864
<b>BRUNSWICK</b> .....	1919	46	1,629	3,236	1,967	2,603	6,191	<b>WAYCROSS</b> .....	1919	22	1,559	4,047	2,007	2,175	4,443
	1914	34	743	2,592	239	364	841		1914	27	1,302	3,339	843	1,041	2,086
	1909	23	385	712	191	258	672		1909	21	1,130	2,995	469	612	1,203
<b>COLUMBUS</b> .....	1919	74	8,087	25,864	6,151	20,906	35,562								
	1914	71	4,802	16,922	1,835	6,368	10,619								
	1909	53	4,593	14,541	1,618	5,521	8,478								

<sup>1</sup> Includes "automobile repairing"; "iron and steel, welding"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts" in all years; and "iron and steel, cast-iron pipe," in 1914 and 1909.

<sup>2</sup> Includes "refrigerators" in 1914 and 1909.

<sup>3</sup> Includes "saddlery and harness" and "trunks and valises."

<sup>4</sup> Includes "lumber, planing-mill products, not including planing mills connected with sawmills," in all years, and "boxes, wooden packing, except cigar boxes," in 1914 and 1909.

<sup>5</sup> Includes "bookbinding and blank-book making" in all years, and "engraving, steel and copper plate, including plate printing," in 1914 and 1909.

<sup>6</sup> Comparative statistics by industries for 1914 and 1909 not available.

<sup>7</sup> Includes "automobile repairing" and "iron and steel, welding."



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[illegible]

Dollars. 15,390,408	Dollars. 10,115,015	Dollars. 101,180,339	Dollars. 3,333,902	Dollars. 1,270,369	Dollars. 19,605,114	Dollars. 423,431,511	Dollars. 12,053,546	Dollars. 693,237,096	Dollars. 252,747,039	436,608	222,296	21,346	5,603	26,906	160,457	36,685	1
121,946 15,600 6,417 57,645 95,448 32,033	63,791 19,886 195 29,560 54,159 4,600	653,900 20,557 16,914 222,772 1,033,516 93,010	3,780 ----- ----- 2,000 8,280 8,000	414 2,610 1,812 ----- 99,001 1,440	104,948 1,768 372 12,401 25,755 37,787	1,755,002 24,225 44,107 704,406 1,047,855 1,265,733	58,040 367 20 8,074 41,524 1,425	3,475,705 125,764 78,891 1,133,561 2,768,640 1,553,115	1,662,663 100,069 420,784 420,664 1,649,270 285,957	2,072 22 ----- ----- 1,181 87	740 ----- ----- ----- ----- -----	----- ----- ----- ----- ----- -----	27 ----- ----- 37 206 -----	----- ----- ----- ----- ----- -----	1,305 22 ----- 240 839 87	----- ----- ----- ----- 2 ----- -----	2 3 4 5 6 7 8
184,414	175,942	304,480	1,969	19,035	80,807	2,289,959	14,452	3,680,610	1,359,199	495	125	50	-----	-----	320	-----	9
125,343	24,348	492,679	-----	6,265	63,090	1,196,745	2,718	2,185,591	986,128	1,928	1,760	-----	26	-----	142	80	10
132,015 289,669	193,596 84,924	673,580 1,183,593	325 1,200	85,738 1,479	53,216 99,506	4,226,175 480,563	110,953 796,056	6,322,498 3,733,823	1,985,370 2,456,754	9,573 8,575	5,202	-----	3	-----	822 4,320	18 12	11
219,197 70,472 8,000 13,325 5,055	24,874 60,050 900 1,650 350	780,894 412,699 64,095 44,862 60,623	1,200 ----- ----- ----- -----	1,479 ----- 2,730 100 2,075	78,888 20,618 1,098 1,895 879	225,067 253,496 363,900 112,183 327,617	539,052 257,454 1,493 2,683 3,893	2,443,192 1,290,631 3,383,685 207,830 514,088	1,679,073 777,681 126,292 92,964 183,028	6,461 3,112 45 162 330	2,812 2,390 ----- 150 330	----- ----- ----- ----- -----	31 20 4 12 -----	3,618 702 41 ----- -----	----- 30 ----- 5 -----	13 14 15 16 17	
2,295 2,760 2,731 144,621	----- 350 2,760 119,423	47,338 13,285 20,390 702,060	----- ----- ----- -----	2,051 24 852 17,561	518 361 200 62,002	286,492 41,125 26,327 2,052,397	2,393 1,000 900 29,655	446,507 67,531 72,991 3,544,259	157,622 25,406 45,764 1,462,207	245 85 36 910	245 85 86 385	----- ----- ----- -----	----- ----- ----- 74	----- ----- ----- -----	----- ----- ----- 451	----- ----- ----- 384	18 19 20 21
139,821 4,800 18,895	118,275 1,148 8,530	620,189 81,871 204,791	----- ----- -----	10,906 6,655 129	60,925 1,677 3,688	1,948,561 103,836 221,231	24,955 249,360 4,523	3,294,899 1,321,383 140,824 461,653	791 170 119 170	----- 370 ----- -----	----- ----- ----- -----	----- ----- ----- -----	18 56 65	403 48 105	378 22 274	22 23 24	
496,302	239,459	11,192,179	900,000	10	10,505	7,366,790	304,644	19,731,320	12,059,886	12,903	4,375	4,170	8	-----	4,350	3,453	25
41,624 1,703 136,046 58,966 77,080 77,174 30,634 46,540 8,829 39,379	94,019 10,080 177,924 80,883 97,041 67,462 32,300 35,162 4,557 38,842	104,165 7,817 704,687 320,370 384,317 258,655 97,297 161,353 37,738 132,902	----- ----- 6,415 ----- 6,415 ----- ----- ----- ----- ----- -----	10,600 1,075 28,386 13,290 15,096 29,418 19,743 9,675 5,830 105	60,545 106 103,890 30,583 73,107 4,897 1,225 348,953 3,672 5,382 26,875	323,907 51,603 4,273,785 1,477,094 2,796,691 1,001,164 648,953 652,211 379,958 550,146	55,853 314 19,187 7,758 11,429 7,677 2,681 4,996 6,125 7,291	957,293 79,746 6,309,739 2,243,102 4,066,637 1,612,972 524,019 1,088,963 498,820 932,252	577,533 2								

<sup>4</sup> Same number reported for one or more other months.  
<sup>5</sup> None reported for one or more other months.

## MANUFACTURES—GEORGIA.

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

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

1	Lumber, planing-mill products, not including planing mills connected with sawmills.	131	3,176	125	189	146	28	2,688	De	2,880	Fe	2,300	2,849	2,800	43			Dollars.	8,917,601
2	Marble and stone work.	84	1,958	81	78	70	16	1,713					1,790	1,782	3	5		6,194,804	
3	Monuments and tombstones.	68	1,402	67	60	62	15	1,198	Oc	1,306	Fe	1,118	1,215	1,207	3	5		5,003,783	
4	Other marble and stone work, except slate.	16	556	14	18	8	1	515	Au	661	Ja	371	575	575				591,021	
5	Mattresses and spring beds, not elsewhere specified.	21	515	17	31	35	10	422	De	492	Mh	372	495	429	02	4		1,518,545	
6	Millinery and lace goods, not elsewhere specified.	4	63	2	8	1	9	43	Se	54	Ja	24	41	0	33	2		72,332	
7	Mineral and soda waters.	166	1,430	134	151	151	20	974					1,025	997	18	10		3,654,627	
8	Mineral and carbonated waters.	162	1,395	131	148	147	19	950	Se	1,098	Ja	785	1,003	976	18	9		3,078,649	
9	All other.	4	35	3	3	4	1	24	Ap	26	Ja	22	22	21	1			575,978	
10	Minerals and earths, ground or otherwise treated.	11	244	4	22	8	4	206	De	231	Je	184	253	253				566,858	
11	Oil and cake, cottonseed.	116	6,607	11	476	472	122	5,526	No	7,007	Au	3,567	7,165	6,887	273	5		31,647,732	
12	Oil, not elsewhere specified.	13	603	2	50	41	13	497	De	728	Au	265	667	409	258			2,507,928	
13	Optical goods.	7	97	7	3	11	11	65	Jy	67	My	63	67	65	2			87,301	
14	Paints.	4	94		17	35	5	37	Oc	40	Ja	34	39	36	3			412,611	
15	Patent medicines and compounds.	43	334	34	47	49	37	167					185	81	103	1		909,007	
16	Patent and proprietary medicines.	36	275	28	41	34	30	142	Oc	157	Ja	105	157	66	90	1		733,004	
17	Patent and proprietary compounds, not elsewhere specified.	7	59	6	6	15	7	25	Se	33	Ja	18	28	15	13			176,003	
18	Paving materials.	7	187	1	15	8		163	Au	179	Ja	152	168	168				568,980	
19	Perfumery and cosmetics.	6	59	5	11	11	9	23	Se	26	Ja	20	21	9	12			165,195	
20	Photo-engraving.	3	46	8	8	4	2	24	De	30	Fe	15	30	30				44,483	
21	Pottery, earthen and stone ware.	15	32	23	1			8	No	20	Ja	2	21	21				13,785	
22	Printing and publishing, book and job.	152	1,582	163	96	129	84	1,110					1,210	815	361	31	3	3,246,420	
23	Job printing.	143	1,537	156	88	121	73	1,099	De	1,196	Fe	1,036	1,199	804	361	31	3	3,204,455	
24	Book publishing without printing.	6	29	4	7	7	11											18,702	
25	Lithotype work and typesetting.	3	16	3	1	1		11	Fe	12	Ja	9	11	11				23,263	
26	Printing and publishing, newspapers and periodicals.	262	3,124	223	296	664	222	1,719					1,803	1,476	193	134		4,858,052	
27	Printing and publishing.	28	1,975	11	140	501	154	1,079	De	1,145	Ap	1,025	1,138	967	93	78		2,787,387	
28	Printing, publishing, and job printing.	194	1,005	193	105	39	30	638	Oc	666	Jy	609	663	508	100	55		1,890,574	
29	Publishing without printing.	40	144	19	51	34	38	2	(4)	2	(4)	2	2	1		1		180,091	
30	Printing materials.	3	14	2	4	1	1	6	(4)	6	(4)	6	6	6				41,228	
31	Rubber tires, tubes, and rubber goods, not elsewhere specified.	3	185		12	7	8	158	Au	199	Ja	105	193	177	16			1,127,573	
32	Saddlery and harness.	20	642	22	17	37	3	563	Au	615	Je	519	596	500	85	8	3	1,154,300	
33	Sausage, not made in slaughtering and meat-packing establishments.	7	36	7	1	1	2	25	Oc	30	Ap	22	28	26	2			35,701	
34	Saws.	3	45	2	4	4		35	Se	42	Mh	29	39	39				108,442	
35	Shipbuilding, steel, new vessels.	3	3,950		229	184	56	3,481	Ap	4,213	Oc	2,155	4,153	4,123	30			5,747,755	
36	Shipbuilding, wooden, including boat building.	7	1,030	1	26	33	4	966	Ja	2,078	No	199	1,546	1,546				3,102,121	
37	Shirts.	6	143	6	5	11	3	118	Fe	129	Au	107	122	25	97			141,067	
38	Slaughtering and meat packing.	7	1,050	2	32	118	29	869	De	1,001	Je	715	982	859	123			4,046,236	
39	Stoves and hot-air furnaces.	6	321		26	15	6	274	De	309	My	243	311	302	3	6		775,177	
40	Structural ironwork, not made in steel works or rolling mills.	4	129	4	12	11	2	100	De	105	Mh	96	102	102				370,771	
41	Textile machinery and parts.	9	122	6	16	1	5	94	Ja	96	Mh	93	96	85	11			156,919	
42	Tobacco, cigars.	54	346	53	12	2	1	278	De	330	Ap	246	386	129	191	1	15	215,358	
43	Turpentine and rosin.	441	7,971	590	286	17		7,078	Jy	7,250	Ja	6,763	7,445	7,422	11	12		3,693,142	
44	Upholstering materials, excelsior.	3	37	3	3	1		30	(4)	30	(4)	30	30	21	9			128,211	
45	Window and door screens.	3	7	4				3	Je	6	Ja	2	5	5				12,130	
46	Wood, turned and carved.	4	125		9	2	2	112	Jy	149	Fe	68	121	118	3			257,877	
47	Woolen goods.	3	617		17	3	2	595	Jy	617	Oc	558	621	373	237	4	7	1,675,502	
48	All other industries*.	130	6,635	80	327	359	167	5,702										30,114,762	

\* All other industries embrace—  
 Artists' materials. 2  
 Automobiles. 2  
 Awnings, tents, and sails. 4  
 Babbit metal. 1  
 Baskets, and rattan and willow ware. 1  
 Belting, leather. 3  
 Boots and shoes. 3  
 Brass, bronze, and copper products. 4  
 Brushes. 1  
 Carriage and wagon materials. 5  
 Cars, steam-railroad, not including operations of railroad companies. 1

Cement. 1  
 Charcoal, not including production in the lumber and wood distillation industries. 1  
 Cheese. 1  
 Coal-tar products. 1  
 Coke, not including gas-house coke. 1  
 Cordage and twine. 1  
 Cordials and flavoring sirups. 1  
 Cotton small wares. 1  
 Dairymen's, poultrymen's, and apiarists' supplies. 2  
 Dyestuffs and extracts—natural. 1

Electrical machinery, apparatus, and supplies. 2  
 Electroplating. 1  
 Engraving, steel and copper plate, including plate printing. 1  
 Envelopes. 1  
 Fancy articles, not elsewhere specified. 1  
 Files. 1  
 Furnishing goods, men's. 2  
 Glass, cutting, staining, and ornamenting. 2

Grease and tallow, not including lubricating greases. 2  
 Hand stamps. 2  
 Hats, wool-felt. 1  
 House-furnishing goods, not elsewhere specified. 3  
 Iron and steel, steel works and rolling mills. 1  
 Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills. 1  
 Iron and steel, cast-iron pipe. 1  
 Jewelry. 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.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rented.
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>		

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

Dollars. 489,069	Dollars. 223,379	Dollars. 2,210,342	Dollars. 91,305	Dollars. 26,810	Dollars. 178,352	Dollars. 8,361,302	Dollars. 110,657	Dollars. 14,029,180	Dollars. 5,557,221	12,500	9,445	65	273	105	2,612	25	1
214,118	93,057	1,447,912	3,570	41,252	70,747	1,363,756	182,401	4,955,812	3,409,655	5,087	3,400	-----	37	-----	1,650	312	2
177,074	84,274	986,437	2,582	8,760	66,875	1,284,916	118,873	4,166,911	2,793,122	2,712	2,225	-----	23	-----	494	312	3
37,044	8,783	461,475	988	32,492	3,872	78,840	63,528	788,901	646,533	2,375	1,175	-----	14	-----	1,186	-----	4
114,790	167,889	393,523	775	18,858	81,740	1,539,178	16,376	2,742,294	1,186,740	489	-----	-----	41	-----	448	-----	5
19,008	10,444	22,011	-----	3,397	18,730	101,090	413	214,447	112,944	8	-----	-----	-----	-----	8	-----	6
335,021	206,344	783,283	5,813	61,555	588,062	4,208,394	123,068	8,484,054	4,152,692	2,494	345	-----	157	-----	1,962	32	7
309,521	198,042	762,784	5,813	60,263	573,370	4,036,379	120,626	8,195,399	4,035,394	2,485	345	-----	153	-----	1,957	32	8
25,500	8,302	20,499	-----	1,292	14,692	172,015	2,442	288,655	114,198	9	-----	-----	4	-----	5	-----	9
34,294	12,376	165,234	3,420	11,456	3,133	137,013	47,150	528,733	344,570	2,610	1,982	-----	28	50	550	-----	10
1,082,711	771,081	3,941,549	6,227	24,104	954,730	80,640,787	1,630,535	99,320,307	17,048,985	53,846	26,305	335	949	-----	26,257	48	11
96,892	76,572	285,822	-----	3,246	41,032	5,779,653	72,369	6,919,124	1,067,102	2,043	1,956	-----	70	-----	17	85	12
12,208	23,571	80,585	-----	7,081	180,142	1,575	334,783	362,476	153,071	44	-----	-----	-----	-----	44	-----	13
49,615	26,760	36,410	-----	4,713	12,413	204,486	2,745	362,476	153,245	110	-----	-----	-----	-----	110	-----	14
94,496	98,836	91,034	3,375	13,481	148,050	686,957	5,977	2,888,284	2,195,350	122	60	-----	12	-----	50	2	15
78,556	66,460	78,523	3,375	12,695	145,416	620,695	5,738	2,670,817	2,044,384	107	60	-----	12	-----	35	2	16
15,640	32,376	12,511	-----	786	2,634	66,262	239	217,467	150,966	15	-----	-----	-----	-----	15	-----	17
24,987	8,755	152,625	14,325	6,432	2,810	62,506	39,254	328,658	226,893	2,301	1,530	-----	13	-----	758	-----	18
30,600	25,074	11,776	-----	5,720	15,463	166,053	1,214	358,843	101,574	11	-----	-----	-----	-----	11	-----	19
17,655	7,650	43,650	-----	2,645	1,225	29,967	1,794	156,099	124,338	24	-----	-----	-----	-----	24	-----	20
540	5,180	-----	-----	355	103	2,968	2,271	22,361	17,122	21	-----	-----	-----	-----	-----	-----	21
239,881	204,013	1,099,436	30,319	89,462	43,493	1,710,219	37,398	4,409,104	2,661,487	1,081	16	-----	19	-----	1,046	-----	22
232,441	190,445	1,084,780	15,162	87,932	42,959	1,701,008	36,128	4,322,309	2,585,175	1,077	16	-----	19	-----	1,042	-----	23
7,200	11,981	-----	15,157	750	355	6,473	45	50,495	43,977	-----	-----	-----	-----	-----	-----	-----	24
240	1,587	14,656	-----	780	179	2,740	1,225	36,300	32,335	4	-----	-----	-----	-----	4	-----	25
787,546	896,507	1,595,152	354,135	96,426	152,776	3,387,246	80,423	9,683,328	6,216,600	2,189	14	-----	235	2	1,938	1	26
509,188	741,523	1,032,310	100,888	51,245	124,188	2,843,983	45,625	6,991,287	4,101,679	1,313	-----	-----	24	-----	1,289	-----	27
184,801	49,280	562,062	11,679	36,161	26,189	491,445	34,778	1,931,104	1,404,681	876	14	-----	211	2	640	1	28
93,557	105,704	780	241,568	9,020	2,399	51,817	20	760,937	709,100	-----	-----	-----	-----	-----	-----	-----	29
12,142	3,160	6,989	-----	1,475	1,943	19,148	* 700	61,044	41,196	7	-----	-----	-----	-----	7	-----	30
32,793	34,039	157,314	-----	1,100	4,706	640,624	17,036	931,360	273,700	845	-----	-----	4	-----	842	-----	31
126,724	62,062	506,715	-----	9,325	91,946	2,535,188	7,073	4,154,219	1,611,953	496	60	-----	30	36	370	-----	32
750	2,640	29,143	-----	1,752	333	189,511	2,602	250,274	58,161	59	-----	-----	-----	-----	59	-----	33
7,380	3,005	32,232	927	300	1,665	21,509	2,076	92,900	69,315	83	-----	-----	-----	-----	83	-----	34
712,500	680,006	4,783,588	-----	28,040	5,939	7,319,326	120,269	17,722,812	10,283,217	6,727	845	-----	12	-----	5,870	-----	35
118,692	34,800	1,628,890	-----	2,780	4,075	1,203,016	17,852	3,220,693	1,999,825	1,128	870	-----	-----	-----	258	8	36
11,710	16,953	56,118	-----	3,868	3,340	207,981	2,201	418,773	208,591	30	-----	-----	-----	-----	30	-----	37
103,786	186,835	667,369	15,450	19,492	11,059	6,635,328	128,547	8,142,161	1,378,286	3,291	2,835	-----	-----	-----	456	491	38
55,551	37,965	293,536	-----	1,740	33,216	320,819	13,772	995,848	661,257	431	150	-----	-----	-----	331	-----	39
36,010	15,181	136,485	-----	864	5,330	404,952	4,808	684,464	274,704	343	-----	-----	-----	-----	343	-----	40
27,190	3,623	92,552	-----	1,985	8,087	186,751	2,406	377,589	188,432	78	50	-----	-----	-----	28	-----	41
19,952	2,010	226,753	510	7,503	114,626	420,789	1,840	917,690	495,061	16	-----	-----	-----	-----	16	-----	42
341,358	15,880	4,177,639	110,517	13,339	64,459	2,855,868	88,356	10,874,714	7,930,460	783	457	33	288	2	3	-----	43
6,200	-----	19,250	-----	390	479	56,346	2,858	113,460	54,256	120	30	-----	-----	-----	15	-----	44
-----	-----	8,390	-----	50	69	7,050	310	14,650	7,290	15	-----	-----	-----	-----	15	-----	45
23,720	4,347	87,661	-----	705	5,346	166,861	748	354,630	187,021	735	655	-----	6	-----	75	-----	46
70,217	5,931	439,723	-----	120,631	120,631	1,621,896	44,483	2,702,988	1,036,609	1,680	800	-----	-----	-----	880	-----	47
981,701	702,654	5,775,811	465	83,648	1,330,181	35,872,001	1,282,263	53,395,308	16,241,044	26,687	11,294	3,450	21	465	11,457	7,684	48

Jute goods.....  
Labels and tags.....  
Lead, bar, pipe, and sheet.....  
Leather goods, not elsewhere specified.....  
Liquors, malt.....  
Locomotives, not made by railroad companies.....  
Looking-glass and picture frames.....  
Matches.....  
Mirrors, framed and unframed, not elsewhere specified.....

1 Models and patterns, not including paper patterns.....  
1 Paper and wood pulp.....  
1 Paper goods, not elsewhere specified.....  
4 Peanuts, grading, roasting, cleaning, and shelling.....  
1 Pencils, lead.....  
1 Pickles and sauces.....  
2 Refrigerators.....  
1 Regalia, and society badges and emblems.....  
1 Sand-lime brick.....

1 Show cases.....  
5 Signs, electric and other.....  
1 Silk goods.....  
1 Soap.....  
1 Sporting and athletic goods.....  
2 Stationary goods, not elsewhere specified.....  
1 Statuary and art goods.....  
2 Steam packing.....  
1 Stencils and brands.....  
1 Sugar, cane.....  
1 Sugar, refining, not including beet sugar.....

2 Tinware, not elsewhere specified.....  
2 Tobacco, smoking.....  
1 Tools, not elsewhere specified.....  
1 Toys and games.....  
2 Trunks and valises.....  
2 Vinegar and cider.....  
2 Waste, cotton.....  
1 Window shades and fixtures.....  
1 Wirework, not elsewhere specified.....  
1 Wood distillation.....  
2 Wood preserving.....  
1 Worsteds goods.....

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

† Same number reported throughout the year.

## MANUFACTURES—GEORGIA.

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

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

																		Dollars.
																		68,117,115
1	ATLANTA—All industries.....	503	19,847	370	1,063	1,948	727	15,739	No	16,848	Je	14,999	17,086	12,433	4,514	111	28	
2	Artificial limbs.....	3	35	2	2	10	3	18	Fe	19	Ap	16	18	17	1			71,282
3	Automobile bodies and parts.....	7	135	3	13	10	6	103	Oc	132	Mh	60	132	108	24			300,747
4	Automobile repairing.....	25	355	24	20	16	8	287	Au	307	Ja	259	302	289	9	4		258,952
5	Bookbinding and blank-book making.....	4	21	6				15	No	20	Ja	12	19	10	9			24,336
6	Bread and other bakery products.....	20	539	21	31	68	34	335	No	419	Ap	352	410	332	76	2		848,442
7	Brooms, from broom corn.....	5	92	4	6	3	1	78	No	87	De	70	100	57	20	21	2	194,361
8	Carriages and wagons, including repairs.....	6	172	8	6	4	4	150					157	155	2			227,711
9	Carriages and wagons.....	3	142	3	6	3	4	126	My	142	Ja	92	132	130	2			218,503
10	Repair work only.....	3	30	5		1		24	Se	29	Ja	20	25	25				9,208
11	Clothing, men's.....	9	656	15	23	36	5	577					618	64	554			1,537,136
12	Men's, youths', and boys'.....	4	227	8	10	18	1	190	De	209	Ap	163	214	26	188			504,678
13	All other.....	5	429	7	13	18	4	387	No	414	Ap	356	404	38	366			1,032,458
14	Coffee, roasting and grinding.....	6	56	5	7	3		41	Au	44	Ja	39	44	16	27	1		111,004
15	Confectionery and ice cream.....	14	1,532	6	71	143	66	1,246	No	1,540	My	1,054	1,632	516	1,006	3	10	3,252,966
16	Copper, tin, and sheet-iron work.....	15	214	17	7	1	2	187	Au	206	Fe	162	192	188	3	1		475,527
17	Dental goods.....	4	82	4	6		8	64	De	68	Ja	59	67	62	2	3		82,173
18	Food preparations, not elsewhere specified.....	8	230	3	19	51	12	145					179	143	36			1,728,767
19	Peanut butter.....	3	25	3		3	1	18	Jy	31	Ja	11	17	4	13			23,202
20	All other.....	5	205		19	48	11	127	Ap	150	Au	106	162	139	23			1,705,565
21	Foundry and machine-shop products.....	30	1,016	30	46	67	17	856					931	918	11	2		3,176,432
22	Machine shops.....	24	547	23	28	43	13	440	Au	544	Ap	367	476	463	11	2		1,895,278
23	All other.....	6	469	7	18	24	4	416	De	455	Mh	374	455	455				1,281,154
24	Furniture.....	22	823	17	48	41	17	700	Au	751	Ja	666	723	722	61			1,888,789
25	Hats, straw.....	3	298		9	6	2	281	No	304	Je	201	352	99	253			766,358
26	Ice, manufactured.....	4	384		25	54	7	298	My	306	Ja	289	299	299				2,426,614
27	Lumber, planing-mill products, not including planing mills connected with sawmills.....	10	577	8	32	32	7	498	Se	551	Fe	446	471	471				1,472,846
28	Marble and stone work, except slate.....	6	76	7	5	4	1	59	Au	92	Mh	34	56	56				105,968
29	Mattresses and spring beds, not elsewhere specified.....	7	372	5	23	29	8	307	De	376	Ap	273	378	334	40	4		1,216,690
30	Millinery and lace goods, not elsewhere specified.....	4	63	2	8	1	9	43	Se	52	Ja	24	41	6	33		2	72,332
31	Mineral and soda waters.....	10	180	5	17	47	6	105	Se	149	Fe	62	120	115	5			901,442
32	Oil and cake, cottonseed.....	5	583		22	47	8	506	No	666	Je	260	642	635	7			2,373,133
33	Optical goods.....	4	84	3	3	11	11	56	Jy	59	Se	54	58	56	2			82,801
34	Patent medicines and compounds.....	22	250	11	39	37	34	129	Oc	144	Jy	87	141	62	79			822,304
35	Perfumery and cosmetics.....	6	58	5	11	11	9	22	Se	26	Ja	20	21	9	12			165,195
36	Printing and publishing, book and job.....	59	963	57	49	87	57	713					782	533	237	12		2,226,310
37	Job printing.....	53	927	54	41	80	50	702	De	770	Fe	662	771	522	237	12		2,188,856
38	Book publishing and linotype work.....	6	36	3	8	7	7	11	So	12	Ja	9	11	11				36,454
39	Printing and publishing, newspapers and periodicals.....	34	1,579	9	113	514	147	796					827	689	93	45		1,867,200
40	Printing and publishing.....	4	1,382		59	477	107	739	De	782	Ap	702	773	648	85	45		1,510,175
41	Printing, publishing, and job printing.....	4	80	1	10	6	7	56	Se	67	Ja	49	53	41	8	4		197,140
42	Publishing without printing.....	26	117	8	44	31	33	1	(*)	1	(*)	1	1			1		159,885
43	Sausage, not made in slaughtering and meat-packing establishments.....	3	24	3		1	2	18	Oc	22	Ap	16	20	20				24,620
44	Tobacco, cigars.....	7	18	8				10	Au	13	Ja	8	12	5	7			3,243
45	All other industries*.....	141	8,390	82	402	614	236	7,046					7,352	5,447	1,905	16	14	39,822,604

*All other industries embrace—	Brass and bronze products.....	2	Clothing, women's.....	11	Flavoring extracts.....	5
Agricultural implements.....	Brushes.....	1	Coffins, burial cases, and undertakers' goods.....	3	Flour-mill and gristmill products.....	3
Artificial stone products.....	Cars and general shop construction and repairs by electric-railroad companies.....	1	Cordials and flavoring sirups.....	2	Furnishing goods, men's, neckwear.....	1
Artists' materials.....	Cars and general shop construction and repairs by steam-railroad companies.....	2	Cotton goods.....	2	Gas, illuminating and heating.....	2
Automobiles.....	Cars, steam-railroad, not including operations of railroad companies.....	6	Druggists' preparations.....	3	Glass, cutting, staining, and ornamenting.....	2
Awnings, tents, and sails.....	Chemicals.....	1	Electroplating.....	1	House-furnishing goods, not elsewhere specified.....	2
Babbit metal.....	Cleaning and polishing preparations.....	3	Engraving, steel and copper plate, including plate printing.....	1	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.....	1
Belting, leather.....			Envelopes.....	1		
Boots and shoes.....			Fertilizers.....	2		
Boxes, paper and other, not elsewhere specified.....			Files.....	1		
Boxes, wooden packing, except cigar boxes.....						

\* Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

\* Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).



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[illegible]

Dollars. 3, 694, 914	Dollars. 3, 655, 455	Dollars. 14, 512, 230	Dollars. 402, 818	Dollars. 546, 515	Dollars. 3, 704, 812	Dollars. 65, 920, 834	Dollars. 1, 950, 052	Dollars. 113, 991, 946	Dollars. 46, 121, 060	37, 678	13, 620	6, 533	87	17, 438	5, 163	1
15, 600	19, 888	20, 557		2, 610	1, 768	24, 228	867	125, 784	100, 669	22				22		2
45, 245	24, 130	116, 793		8, 221	9, 080	504, 932	6, 147	757, 620	246, 541	99				99		3
44, 123	81, 585	310, 335	170	39, 560	11, 432	316, 001	12, 689	851, 217	522, 524	163	6			157		4
		17, 327		1, 564	164	6, 221	738	37, 262	30, 303	3				3		5
68, 905	149, 961	295, 861		43, 287	21, 762	2, 023, 899	48, 276	3, 005, 112	932, 937	346	24			322	6	6
6, 200	900	46, 683		2, 220	505	206, 084	1, 056	301, 879	94, 739	35				35		7
15, 600	10, 933	168, 095		5, 803	7, 380	277, 440	3, 327	559, 623	278, 856	86				86		8
15, 660	9, 785	143, 603		3, 600	7, 314	251, 124	2, 547	495, 823	242, 152	75				75		9
	1, 148	24, 492		2, 203	66	26, 316	780	63, 800	36, 704	11				11		10
45, 292	100, 416	317, 060		15, 810	56, 725	1, 800, 906	8, 470	2, 789, 150	978, 774	178				178		11
20, 922	62, 216	110, 775		8, 710	16, 051	460, 517	3, 292	755, 797	291, 988	53				53		12
24, 870	38, 200	206, 285		7, 100	40, 674	1, 840, 389	5, 178	2, 033, 353	687, 786	125				125		13
8, 829	4, 557	30, 898		3, 560	5, 023	355, 418	5, 580	458, 631	97, 633	103	40			63		14
349, 065	277, 570	792, 229		31, 214	458, 388	3, 584, 932	72, 418	7, 349, 341	3, 691, 996	1, 052	300			752	429	15
13, 962	2, 280	175, 037		6, 511	12, 535	340, 632	3, 198	616, 315	272, 485	129				129		16
23, 815	6, 852	69, 629		2, 784	1, 130	199, 346	1, 947	382, 644	181, 351	30			3	27		17
58, 920	86, 574	118, 571		4, 460	50, 099	6, 423, 412	71, 057	8, 330, 013	1, 835, 544	468	105			363	3	18
	4, 900	11, 921		1, 180	54	59, 643	1, 170	74, 186	13, 373	16				16		19
58, 920	81, 674	106, 650		3, 280	50, 465	6, 363, 769	69, 887	8, 265, 827	1, 822, 171	452	105			347	3	20
140, 802	139, 754	1, 080, 331	14, 730	24, 532	87, 904	1, 552, 411	78, 790	3, 723, 902	2, 092, 701	1, 360			33	1, 047		21
81, 201	94, 130	359, 678	14, 730	18, 651	63, 324	913, 262	20, 302	2, 143, 636	1, 180, 072	550			28	272		22
65, 101	45, 624	640, 653		5, 881	24, 580	609, 149	58, 488	1, 580, 266	912, 629	810			5	775		23
160, 601	125, 974	658, 280	5, 319	40, 780	93, 689	1, 507, 831	25, 482	3, 177, 563	1, 644, 250	1, 586				790		24
66, 118	25, 151	214, 643		12, 420	19, 203	561, 754	7, 818	1, 216, 828								

<sup>4</sup> Same number reported throughout the year.

## MANUFACTURES—GEORGIA.

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

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

1	AUGUSTA—All industries.....	93	5,730	78	204	218	74	5,156	De	5,512	Jy	4,864	5,480	4,154	1,270	25	31	Dollars. 22,507,116
2	Automobile repairing.....	7	68	12	1	3	.....	52	My	61	Jy	47	54	54	.....	.....	.....	71,052
3	Bread and other bakery products.....	6	81	10	3	4	5	59	No	64	Ja	56	62	47	15	.....	.....	130,879
4	Confectionery and ice cream.....	5	143	3	13	20	5	102	Se	107	De	97	109	60	49	.....	.....	256,985
5	Copper, tin, and sheet-iron work.....	4	39	6	.....	.....	.....	33	De	34	Ja	33	34	34	.....	.....	.....	17,450
6	Cotton goods.....	6	2,228	34	10	5	.....	2,179	Oc	2,356	Mh	2,055	2,382	1,405	982	22	23	8,162,881
7	Fertilizers.....	5	220	3	7	7	1	202	Mh	393	Se	113	153	153	.....	.....	.....	2,901,478
8	Lumber, planing-mill products, not including planing mills connected with sawmills.	4	289	14	18	3	.....	254	No	304	Ja	201	287	287	.....	.....	.....	864,714
9	Marble and stone work, monuments and tombstones.	3	16	5	.....	.....	.....	11	Oc	13	Ja	10	8	8	.....	.....	.....	12,345
10	Mineral and carbonated waters.....	6	140	5	12	13	2	108	Ap	116	Ja	99	106	106	.....	.....	.....	459,238
11	Oil and cake, cottonseed.....	6	594	33	44	14	.....	503	Ja	598	Jy	342	559	551	8	.....	.....	3,739,178
12	Printing, job.....	10	62	17	5	2	3	35	Fe	37	My	34	37	24	10	3	.....	89,424
13	Printing and publishing, newspapers and periodicals.	6	122	1	27	20	13	61	De	70	Mh	49	70	66	4	.....	.....	228,333
14	All other industries*.....	25	1,728	16	55	77	23	1,557	.....	.....	.....	.....	1,619	1,359	252	8	.....	5,523,159

*All other industries embrace—		Cars and general shop construction and repairs by electric-railroad companies.....	1	Cars and general shop construction and repairs by steam-railroad companies.....	2	Dyestuffs and extracts—natural.....	1
Artificial stone products.....	2					Flour-mill and gristmill products....	1
Brooms.....	2					Foundry and machine-shop products....	4

1	MACON—All industries.....	135	7,297	100	268	340	132	6,457	No	7,036	Fe	6,024	7,029	5,692	1,301	30	6	25,373,440
2	Automobile bodies and parts.....	6	63	7	2	2	.....	52	My	55	Oc	49	53	49	1	8	.....	44,612
3	Automobile repairing.....	13	103	22	5	1	3	72	De	77	Ja <sup>1</sup>	70	77	77	.....	.....	.....	70,052
4	Bread and other bakery products.....	6	73	3	7	.....	11	52	Se <sup>1</sup>	63	Ja	34	53	39	16	3	.....	124,045
5	Cars and general shop construction and repairs by steam-railroad companies.....	3	1,473	12	1	2	.....	1,458	No	1,501	Mh	1,421	1,500	1,470	30	.....	.....	756,159
6	Confectionery and ice cream.....	8	155	5	20	17	5	108	.....	.....	.....	.....	101	81	20	.....	.....	352,014
7	Confectionery.....	4	64	4	6	8	4	42	De	55	Ja <sup>1</sup>	33	55	36	19	.....	.....	62,753
8	Ice cream.....	4	91	1	14	9	1	66	Jy	90	De	46	46	45	1	.....	.....	289,261
9	Copper, tin, and sheet-iron work.....	3	25	5	1	1	.....	18	Se	19	Je <sup>1</sup>	17	18	18	.....	.....	.....	12,769
10	Cotton goods.....	5	1,168	6	12	13	3	1,134	No	1,223	Se	622	1,221	629	578	8	6	3,734,853
11	Furniture.....	3	25	3	2	.....	.....	20	Oc	32	Mh <sup>1</sup>	14	29	29	.....	.....	.....	53,187
12	Ice, manufactured.....	4	164	4	16	1	.....	143	Au	189	Je	94	145	145	.....	.....	.....	930,580
13	Lumber, planing-mill products, not including planing mills connected with sawmills.....	7	553	2	20	43	4	484	My	655	Fe	294	482	439	43	.....	.....	2,302,698
14	Marble and stone work.....	3	13	2	1	.....	.....	10	Se <sup>1</sup>	12	Ja <sup>1</sup>	9	12	12	.....	.....	.....	7,150
15	Oil and cake, cottonseed.....	4	534	21	36	16	.....	461	No	605	Je	251	557	536	21	.....	.....	2,741,567
16	Patent medicines and compounds.....	5	15	4	1	.....	1	9	Jy <sup>1</sup>	11	Ja <sup>1</sup>	4	12	4	7	1	.....	6,600
17	Printing, job.....	10	74	12	9	8	2	43	No	59	Ja	36	55	40	8	7	.....	165,232
18	Tobacco, cigars.....	3	17	3	2	.....	.....	12	De	17	Fe	8	22	18	4	.....	.....	5,850
19	All other industries *.....	52	2,842	29	148	200	84	2,381	.....	.....	.....	.....	2,687	2,106	573	8	.....	14,066,077

* All other industries embrace—		Brass and bronze products.....	1	Cars and general shop construction and repairs by electric-railroad companies.....	1	Druggists' preparations.....	1
Agricultural implements.....	1	Brick, sewer pipe, and drain tile.....	2			Electrical machinery, apparatus, and supplies.....	1
Artificial stone products.....	1	Brooms, from broom corn.....	1			Fertilizers.....	1
Awnings, tents, and sails.....	1	Carriage and wagon materials.....	1	Clothing, men's.....	2	Flour-mill and gristmill products.....	2
Boxes, wooden packing, except cigar boxes.....	2	Carriages and wagons.....	1	Cooperage, hogsheads and barrels....	1		

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).<sup>2</sup> 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.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rent- <sup>2</sup>
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>		

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

Dollars. 650,786	Dollars. 493,459	Dollars. 4,603,252	Dollars. 910,360	Dollars. 42,096	Dollars. 1,533,004	Dollars. 23,821,545	Dollars. 508,190	Dollars. 37,160,571	Dollars. 12,830,836	25,872	3,810	15	8,251	13,796	379	1
4,500	1,860	65,435	350	3,160	1,175	54,070	1,276	148,424	93,078	54	87	87	54	87	54	2
7,120	9,960	44,344	800	2,254	2,589	305,031	6,016	425,161	114,114	87	251,027	186	87	186	87	3
52,900	57,599	66,323	33,928	9,600	4,310	667,359	6,989	925,375	251,027	186	8	8	8	8	8	4
137,895	20,059	1,804,844	1,804,844	1,800	995	19,280	229	73,000	53,491	8	1,000	1,000	7,551	2,011	162	5
39,661	31,857	187,278	187,278	148	1,013,850	6,274,893	87,512	10,472,021	4,109,616	10,562	125	125	736	611	7	6
40,959	33,547	236,202	236,202	1,200	90,206	1,988,043	17,869	3,145,725	1,139,813	1,175	935	5	105	130	130	7
					19,351	453,197	16,183	1,182,061	712,681							8
		10,595	10,595	650	315	13,537	474	34,489	20,478	20				20		9
35,115	17,160	119,502	1,500	4,720	39,324	323,545	32,004	750,129	394,580	952	200			752	32	10
103,896	85,138	459,459	459,459		106,843	9,447,024	125,474	11,499,752	1,927,254	7,677	250			7,427		11
8,900	4,056	29,673	29,673	3,784	1,448	51,886	1,323	128,863	75,674	19				19		12
48,850	77,590	70,727	8,210	7,076	3,647	112,400	5,550	503,400	385,450	108				108		13
175,990	154,633	1,494,942	900,000	7,704	249,550	4,111,300	207,291	7,872,171	3,553,580	4,288	1,300	10	595	2,383	185	14

Gas, illuminating and heating.....	1	Mattresses and spring beds, not elsewhere specified.....	1	Patent and proprietary medicines.....	1	Tobacco, cigars.....	1
Ice, manufactured.....	2	Paints.....	1	Silk goods, throwing and winding.....	1	Waste, cotton.....	1
Iron and steel, welding.....	1			Textile machinery and parts.....	1	Worsted goods.....	1

860,921	638,559	5,688,586	47,261	84,685	930,936	44,375,341	827,763	57,721,238	12,518,134	24,022	8,390	3,400	12,232	2,210	1
3,100	2,930	52,908	6,420	1,995	111,561	1,168	186,232	73,503	33	33			33		2
11,200	3,375	98,599	10,681	1,104	60,873	2,471	225,426	153,082	70	70			70		3
10,980	4,552	38,477	5,103	2,064	266,442	6,108	347,710	75,070	37	37			37		4
22,204	12,796	1,967,520	2,041	893,095	46,873	2,944,529	2,004,561	2,940	50	50	1,500		1,390		5
52,961	21,337	58,368	2,000	4,317	11,581	510,523	14,688	751,889	226,678	424	60		364		6
7,300	3,900	19,798		1,975	2,565	107,420	5,233	170,450	57,797	84	60		24		7
45,661	17,437	38,570	2,000	2,342	9,016	403,103	9,455	581,439	168,881	340			340		8
1,200	1,200	18,834		1,565	250	12,229	92	46,890	34,569						9
45,466	22,124	640,317	15,000	456,108	3,383,028	91,036	5,550,580	2,076,516	5,932	1,350	1,900		2,682	1,050	10
4,600	990	19,606	1,550	1,347	23,265	950	54,138	29,923	275	225			50		11
15,074	13,331	143,381	900	9,909	85,642	113,276	477,571	278,653	1,704	1,525			179	157	12
58,118	42,164	378,928	5,132	26,766	1,061,449	28,068	2,070,809	981,292	1,610	975			635		13
1,000		13,000	495	175	15,035	540	37,955	22,380	24	24			24		14
62,152	67,556	343,781	75,420	7,461,507	134,128	8,857,082	1,261,447	4,700	1,745	4,700			2,955		15
1,050	700	4,520	735	75	28,380	83	45,243	16,780	2	2			2		16
24,790	9,630	35,060	7,875	7,166	128,509	1,243	287,107	157,355	55	55			55		17
2,000		11,475	500	5,329	26,180	60	48,661	22,421							18
545,026	430,868	1,863,808	39,001	24,322	329,406	30,238,623	356,889	35,789,416	5,103,904	6,216	2,460		3,756	1,003	19

Food preparations, not elsewhere specified.....	4	Iron and steel, welding.....	1	Optical goods.....	2	Saws.....	1
Foundry and machine-shop products.....	2	Knit goods.....	2	Printing and publishing, newspapers and periodicals.....	4	Slaughtering and meat packing.....	1
Gas, illuminating and heating.....	1	Lumber and timber products.....	3	Saddlery and harness.....	2	Textile machinery and parts.....	1
		Mattresses and spring beds, not elsewhere specified.....	1	Sausage, not made in slaughtering and meat-packing establishments.....	1	Wood, turned and carved.....	1
		Mineral and soda waters.....	5				

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

## MANUFACTURES—GEORGIA.

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

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

		146	4,384	142	135	171	93	3,843	Mh	4,836	Je	3,396	3,813	3,167	576	30	40	Dollars.
1	SAVANNAH—All industries...																	16,731,288
2	Automobile repairing.....	11	38	16	.....	.....	.....	22	Oc <sup>a</sup>	26	Ja <sup>a</sup>	19	26	26	.....	.....	.....	39,035
3	Bread and other bakery products....	20	180	21	5	2	13	139	No <sup>a</sup>	142	Ja	132	144	124	19	1	.....	295,784
4	Cars and general shop construction and repairs by steam-railroad companies.	3	980	.....	9	13	4	954	Fe	985	Jy	904	973	953	20	.....	.....	1,595,240
5	Clothing, men's.....	4	175	5	9	6	1	154	De	192	Ap	115	169	38	131	.....	.....	308,348
6	Confectionery and ice cream.....	6	52	6	3	.....	3	40	Ja <sup>a</sup>	45	My <sup>a</sup>	29	46	37	9	.....	.....	94,060
7	Copper, tin, and sheet-iron work....	7	55	8	2	3	1	41	My	44	Ja <sup>a</sup>	38	44	44	.....	.....	.....	104,389
8	Fertilizers.....	6	760	4	21	62	11	662	Mh	1,082	Je	380	517	515	2	.....	.....	6,316,466
9	Foundry and machine-shop products.	8	553	8	10	10	5	520	Se	566	My	494	558	557	1	.....	.....	1,194,450
10	Ice, manufactured.....	5	127	3	8	6	3	107	Jy	140	Ja	85	91	91	.....	.....	.....	624,183
11	Iron and steel, welding.....	3	7	4	.....	.....	.....	3	No <sup>a</sup>	5	Ja <sup>a</sup>	3	3	3	.....	.....	.....	2,680
12	Lumber, planing-mill products, not including planing mills connected with sawmills.	6	111	8	7	2	1	93	Au	101	Ja <sup>a</sup>	85	99	99	.....	.....	.....	158,454
13	Marble and stone work, monuments and tombstones.	3	14	2	1	.....	.....	11	Jy <sup>a</sup>	13	Ja <sup>a</sup>	6	13	13	.....	.....	.....	27,760
14	Mineral and carbonated waters.....	6	73	6	2	6	.....	59	Je <sup>a</sup>	61	Ja <sup>a</sup>	55	61	57	4	.....	.....	130,558
15	Printing and publishing, book and job.	15	205	16	12	8	11	158	Se	174	Ja <sup>a</sup>	152	160	92	62	3	3	339,081
16	Printing and publishing, newspapers and periodicals.	7	151	2	10	14	14	111	De	114	Fe <sup>a</sup>	108	114	106	6	2	.....	538,189
17	All other industries*.....	36	903	33	36	39	26	769	.....	.....	.....	.....	795	412	322	24	37	4,962,611

\* All other industries embrace—  
Artificial stone products..... 2  
Automobile bodies and parts..... 1  
Awnings, tents, and sails..... 1

Bags, other than paper, not including bags made in textile mills..... 2  
Boxes, wooden packing, except cigar boxes..... 1

Carriages and wagons, repair work only..... 1  
Cars and general shop construction and repairs by electric-railroad companies..... 1

Chemicals..... 1  
Clothing, women's, suits, skirts, and cloaks..... 2  
Coffee, roasting and grinding..... 1

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

1	ALBANY.....	23	377	11	25	26	7	308	Ap	369	Jy	235	404	400	.....	.....	.....	2,064,044
2	ATHENS.....	43	1,363	35	71	42	16	1,199	Ap	1,286	Jy	1,109	1,306	861	384	34	27	6,058,201
3	BRUNSWICK.....	46	1,810	40	78	48	15	1,629	Ja	2,210	De	1,142	1,881	1,735	131	15	.....	5,391,267
4	COLUMBUS.....	74	8,553	49	169	184	64	8,087	No	8,543	Mh	7,292	8,544	5,677	2,773	65	29	26,143,338
5	LA GRANGE.....	24	3,686	13	94	44	16	3,519	Ja	4,116	Ap	3,158	4,013	2,682	1,219	51	61	16,409,090
6	ROME.....	64	2,223	28	122	74	29	1,970	De	2,209	Je	1,848	2,147	1,478	600	32	37	5,351,081
7	VALDOSTA.....	38	614	30	39	22	8	515	De	641	Jy <sup>a</sup>	432	644	560	51	3	.....	2,571,363
8	WAYCROSS.....	22	1,666	15	57	25	10	1,559	Oc	1,603	Je	1,513	1,618	1,602	14	2	.....	2,454,850

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

<sup>a</sup> Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

# MANUFACTURES—GEORGIA.

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## 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.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rented. <sup>2</sup>
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>		

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

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
481,375	365,724	3,820,048	17,595	96,116	479,858	9,674,000	435,954	18,086,711	7,976,757	8,972	3,320	360			5,292	687	1
27,400	11,916	33,165		1,731	694	12,438	652	70,843	57,753	26					26		2
24,621	21,834	129,340		16,865	21,041	701,900	20,410	1,171,546	449,236	131					131		3
		1,270,938			800	398,805	24,167	1,741,165	1,318,193	1,610	300	360			950	646	4
17,120	15,026	71,764		4,170	1,210	388,195	1,242	592,053	202,616	43					43		5
10,060	2,500	39,487		5,979	920	92,610	4,230	193,585	96,745	64					64		6
15,000	3,800	49,949		3,110	2,824	115,008	899	240,647	124,740	20					20		7
110,523	117,120	601,608		21,162	237,106	3,649,657	17,975	5,734,496	2,066,864	2,328					2,328		8
45,100	29,780	568,591	1,000	4,670	17,589	357,350	13,808	1,206,900	835,742	494	80				414		9
21,742	10,115	114,644		450	25,086	126,765	128,523	552,782	297,474	1,884	1,500				384		10
		5,110		1,160	130	5,890	244	19,500	13,396	5					5		11
15,588	3,724	93,924		5,060	2,458	275,837	3,009	483,944	207,038	780	435				345		12
2,400		14,614		514	513	15,663	323	43,081	27,095	20					20		13
7,040	11,769	58,744		5,905	16,715	340,799	2,254	544,662	201,609	86					86		14
31,500	17,655	138,426	4,245	10,614	11,075	180,986	2,820	496,926	313,120	115					115		15
49,940	37,100	157,449	4,350	1,850	26,150	161,515	5,340	683,140	516,285	146					146		16
103,341	83,385	572,295	8,000	13,376	115,647	2,850,612	209,998	4,309,461	1,248,851	1,220	1,005				215	41	17

Cooperage, hogsheads and barrels...	1	Mattresses and spring beds, not elsewhere specified...	2	Printing materials.....	1	Structural ironwork, not made in steel works or rolling mills.....	1
Cotton goods.....	1	Oil, composite.....	1	Saddlery and harness.....	1	Tobacco, cigars.....	5
Gas, illuminating and heating.....	1	Patent and proprietary medicines...	2	Shirts.....	1	Vinegar.....	2
Jewelry.....	1	Photo-engraving.....	1	Stencils and brands.....	1	Wood distillation.....	1

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

86,095	51,207	269,674	68,028	13,430	102,041	1,472,331	71,090	2,694,423	1,151,002	1,938	1,218				720	51	1
179,497	74,838	805,018	8,074	20,811	197,421	4,840,480	138,874	7,768,324	2,788,970	5,440	875			640	3,925	251	2
177,198	80,209	1,966,734	1,478	16,603	75,179	2,532,467	70,467	6,191,294	3,588,360	3,236	1,546	1,200	55		435	1,252	3
537,597	358,359	6,150,743	145,367	25,011	1,223,970	20,284,691	621,209	35,561,512	14,655,612	25,864	2,431		10	6,700	16,723	5,508	4
201,544	102,107	2,685,373	14,599	2,362	1,316,850	12,348,899	266,095	20,235,443	7,620,449	10,837	7,500	30			3,307	20	5
288,044	177,194	1,340,395	9,218	15,268	330,483	5,727,665	143,939	8,698,604	2,827,000	4,937	1,366	65	18		3,488	38	6
85,562	37,184	883,153	3,000	9,649	69,813	2,776,963	63,019	3,912,383	1,072,401	2,145	1,218	5	5		917		7
132,146	40,109	2,007,159	25	3,482	6,549	2,056,218	118,581	4,442,701	2,267,904	4,047	1,715	2,140			192	2,222	8

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

# IDAHO.

## GENERAL STATISTICS.

**General character of the state.**—Idaho has a gross area of 83,888 square miles, of which 83,354 represent land surface. The inhabitants of the state in 1900 numbered 161,772; in 1910, 325,594; and in 1920, 431,866. In total population Idaho ranked forty-second among the states in 1920 and in density of population forty-third. The number of inhabitants per square mile in 1910 was 3.9, the corresponding figures for 1920 being 5.2.

There were in the state in 1920 only two cities having more than 10,000 inhabitants—Boise and Pocatello. These cities, with a combined population of 36,394, or 8.4 per cent of the total population for Idaho in that year, reported 11.4 per cent of the value of the state's manufactured products in 1919.

**Importance and growth of manufactures** (Table 1).—The increases in wages, cost of materials, and the value of products, as presented in this table, were chiefly due to the change in industrial conditions brought about by the World War, and therefore can not be used to measure the growth of manufactures between the industrial censuses 1914 and 1919. However, a comparison of the number of persons engaged and the horsepower used in 1919 and 1914 shows a large increase in the manufacturing activities of the state. The addition of the Federal income tax since 1914 will account for the exceptional 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. The ranking of many industries 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 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 27.

**Average number of wage earners for selected industries** (Table 5).—The industries covered by this table are those which employed 100 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).—This table shows that 17 per cent of the wage earners 16 years of age and over reported for Boise in 1919 were females, the corresponding proportion for Pocatello being 5.1 per cent. A comparison of the figures with those presented in Table 5 shows a larger percentage of females was employed in the cities than in the state.

**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 for the two cities. Except in the manufacture of confectionery and ice cream, there was no important industry in the state in which the number of female wage earners predominated.

**Prevailing hours of labor** (Table 9).—The figures presented in this table show a decided shortening of the working day since the census of 1914. In that year 6.6 per cent of the wage earners were included in the group "48 and under," as against 81.5 per cent in 1919. On the other hand, in 1914 the "60" and "Over 60" groups constituted 75 per cent of the total wage earners, as compared with 8.4 per cent in 1919.

**Size of establishments, by average number of wage earners, for selected industries** (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, 77.7 per cent were in the classes having fewer than 6 wage earners, while such establishments employed but 7.9 per cent of the total number of wage earners. On the other hand, the number of establishments having more than 100 wage earners formed only 3.3 per cent of the total number of establishments, but reported 69 per cent of the average number of wage earners in the state.

**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 for the average number of wage earners and value added by manufacture in 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 for 1914 to combine the establishments of one group with those of another group, to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for Boise and Pocatello (Table 13).—This 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 tendency of manufactures toward the corporate form of ownership since the 1909 census is presented in this table. In 1919 "corporations" reported 30.8 per cent of the total number of establishments in the state, while the corresponding proportion for 1914 was 26.8 per cent. There was an increase of 4,846, or 67 per cent, in the average number of wage earners under corporate ownership, and \$47,530,183, or 209.4 per cent, in the value of products during the census period 1914–1919.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that relatively the manufactures in Boise and Pocatello were not of great importance as to value of products, the two cities combined reporting but 11.4 per cent of the total for the state both in 1919 and 1914. The proportion of wage earners for the two cities, however, was greater in 1919, being 15.9 per cent, as against 12.7 per cent in 1914.

Number and horsepower of types of prime movers (Table 16).—Although there was an actual increase in both the owned and rented power from census to census, the percentage of increase in rented power was greater, being 83.2 per cent, as compared with 37.8 per cent for owned power for the five-year period 1914–1919.

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. <sup>1</sup>			
	1919	1914	1909	1904	1899	1914–1919	1909–1914	1904–1909	1899–1904
Number of establishments.....	922	698	725	364	287	32.1	–3.7	99.2	26.8
Persons engaged.....	16,268	10,529	9,909	3,791	( <sup>2</sup> )	54.5	6.3	161.4	.....
Proprietors and firm members.....	851	664	831	371	( <sup>2</sup> )	28.2	–20.1	124.0	.....
Salaried employees.....	1,500	946	858	359	92	58.6	10.3	139.0	.....
Wage earners (average number).....	13,917	8,919	8,220	3,061	1,552	56.0	8.5	108.5	97.2
Primary horsepower.....	73,876	50,326	42,804	16,987	5,649	46.8	17.6	152.0	200.7
Capital.....	\$96,061,709	\$44,960,489	\$32,476,749	\$9,689,445	\$2,130,112	113.7	38.4	285.2	354.9
Salaries and wages.....	21,249,819	8,730,899	6,481,702	2,438,702	884,464	143.4	34.7	105.8	175.7
Salaries.....	2,701,547	1,240,288	984,055	379,311	66,225	117.8	26.0	159.4	472.8
Wages.....	18,548,272	7,490,521	5,497,647	2,059,391	818,239	147.6	36.2	167.0	151.7
Paid for contract work.....	342,453	562,085	736,018	379,986	( <sup>2</sup> )	138.8	–23.6	98.7	.....
Rent and taxes.....	934,470	548,166	428,135	138,419	( <sup>2</sup> )	271.1	28.0	.....	.....
Cost of materials.....	43,948,505	14,892,094	9,920,017	4,068,523	1,438,868	195.1	50.1	143.8	182.8
Value of products.....	80,510,749	28,453,797	22,399,890	8,768,743	3,001,442	183.0	27.0	155.5	192.2
Value added by manufacture.....	36,562,244	13,561,703	12,479,843	4,700,220	1,562,574	169.6	8.7	165.5	200.8

<sup>1</sup> A minus sign (–) denotes decrease; percentage omitted where base is less than 100.  
<sup>2</sup> Figures not available.

<sup>3</sup> Exclusive of internal revenue.  
<sup>4</sup> 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 horse-power.
		Average number.	Wages.					
The state.....	922	13,917	\$18,548,272	\$2,034,470	\$43,948,505	\$80,510,749	\$36,562,244	73,876
Ada.....	123	1,052	1,318,192	264,014	4,044,864	7,158,859	3,113,995	3,650
Adams.....	14	71	68,700	2,431	107,647	260,550	152,903	722
Bannock.....	57	1,693	1,449,919	106,061	3,715,507	5,876,984	2,161,477	4,237
Bear Lake.....	19	19	18,873	1,673	182,321	253,866	71,545	540
Benewah.....	27	839	1,188,005	86,501	1,302,649	4,054,854	2,752,205	5,999
Bingham.....	20	288	492,424	44,764	1,790,295	2,311,416	521,121	1,846
Blaine.....	25	31	35,523	2,234	57,133	145,282	88,149	337
Boise.....	6	159	271,964	25,007	87,309	600,352	513,043	1,043
Bonner.....	34	1,857	2,427,097	143,902	1,971,106	5,786,916	3,815,810	6,262
Bonneville.....	21	185	432,372	62,789	1,850,179	2,624,223	774,044	1,786
Boundary.....	12	234	251,759	35,711	175,599	876,612	701,043	1,733
Butte.....	4	7	7,944	215	6,590	23,153	16,563	25
Camas.....	6	9	9,503	111	5,580	28,281	22,701	47
Canyon.....	47	197	239,593	97,720	2,631,421	3,282,012	750,591	1,148
Caribou.....	4	8	2,864	1,485	17,138	24,815	7,677	57
Cassia.....	30	184	181,628	60,163	1,272,132	1,961,139	689,007	1,001
Clark and Fremont <sup>1</sup> .....	12	29	39,547	15,643	542,204	1,851,502	139,298	483
Clearwater.....	21	584	936,292	47,409	296,313	1,604,045	1,307,732	6,782
Custer.....	12	13	17,270	2,070	35,203	72,789	37,556	178
Elmore.....	14	20	28,223	6,441	55,126	131,826	76,700	61
Franklin.....	11	39	45,410	8,786	970,100	1,190,784	220,684	759
Gem.....	15	406	485,624	158,789	966,482	1,889,076	922,594	1,553
Gooding.....	21	43	54,194	6,852	213,950	335,870	121,920	212
Idaho.....	23	108	161,828	9,797	457,590	751,304	263,714	1,253
Jefferson.....	7	44	45,081	3,666	192,444	322,380	129,945	1,609
Jerome.....	13	25	32,844	4,123	129,773	203,666	73,893	146
Kootenai.....	43	2,506	3,467,738	168,851	2,773,009	9,226,598	6,453,589	10,606
Latah.....	46	1,062	1,591,545	139,565	2,436,293	5,725,573	3,289,280	7,741
Lemhi.....	16	36	47,611	3,404	55,380	136,543	81,163	356
Lewis.....	10	287	432,158	17,091	360,147	1,059,889	699,742	1,279
Lincoln.....	10	13	20,830	2,381	32,455	75,860	43,405	24
Madison.....	7	149	286,563	198,424	1,128,339	1,959,339	831,006	1,074
Minidoka.....	12	100	92,961	38,984	509,477	824,743	315,286	664
Nez Perce.....	38	205	216,050	50,443	1,947,818	2,550,615	602,697	1,252
Oneida.....	8	11	15,985	1,981	421,426	468,774	47,348	248
Owyhee.....	4	1	600	519	3,553	11,442	7,889	7
Payette.....	17	67	62,926	7,637	743,732	944,304	200,672	309
Power.....	8	25	32,281	2,739	1,087,184	1,221,396	134,212	265
Shoshone.....	28	705	1,210,639	20,188	5,748,027	7,848,338	2,100,811	3,687
Teton.....	5	15	15,950	3,814	104,557	146,268	41,711	95
Twain Falls.....	44	317	396,595	127,659	2,978,511	4,420,259	1,441,748	1,669
Valley.....	9	230	366,042	30,738	109,496	748,864	638,868	506
Washington.....	19	49	49,056	21,695	532,476	689,979	167,503	593

<sup>1</sup> Clark and Fremont Counties combined to avoid disclosure of individual operations.

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

INDUSTRY	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		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.			Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries.....	922	13,917	100.0	\$30,511	100.0	\$36,562	100.0	Bread and other bakery products.....	82	159	1.1	\$1,341	1.7	\$457	1.2
Lumber and timber products.....	194	8,291	59.6	30,088	37.4	21,610	59.1	Confectionery and ice cream.....	20	161	1.2	788	1.0	357	1.0
Flour-mill and gristmill products....	78	304	2.2	13,501	16.8	1,673	4.6	Canning and preserving, fruits and vegetables.....	8	155	1.1	781	1.0	406	1.1
Cars and general shop construction and repairs by steam-railroad companies.....	9	1,877	13.5	4,402	5.5	2,152	5.9	Cheese.....	14	24	0.2	728	0.9	62	0.2
Butter.....	32	145	1.0	3,664	4.5	534	1.5	Lumber, planing-mill products, not including planing mills connected with sawmills.....	16	119	0.9	555	0.7	218	0.6
Printing and publishing, newspapers and periodicals.....	136	371	2.7	1,854	2.3	1,329	3.6	Printing and publishing, book and job. Mineral and soda waters.....	23	67	0.5	322	0.4	213	0.6
Slaughtering and meat packing.....	12	89	0.6	1,791	2.2	350	1.0	Brick.....	16	33	0.2	320	0.4	125	0.3
Automobile repairing.....	119	342	2.5	1,446	1.8	903	2.5	All other industries <sup>1</sup> .....	12	109	0.8	803	0.4	231	0.6
									151	1,671	12.0	18,627	23.1	5,942	16.3

<sup>1</sup> Among the industries for which statistics can not be shown separately without the possibility of disclosing individual operations 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: Condensed milk; smelting, lead; and sugar, beet.

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

CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.	
					Male.	Fe- male.						Male.	Fe- male.
All classes.....	1919	16,268	15,483	785	95.2	4.8	Clerks and other subordinate salaried employees.....	1919	886	614	272	69.3	30.7
	1914	10,529	10,220	309	97.1	2.9		1914	584	490	94	83.9	16.1
	1909	9,909	9,646	263	97.3	2.7		1909	502	418	84	83.3	16.7
Proprietors and officials.....	1919	1,465	1,424	41	97.2	2.8	Wage earners (average number).....	1919	13,917	13,445	472	96.6	3.4
	1914	1,026	1,002	24	97.7	2.3		1914	8,919	8,728	191	97.9	2.1
	1909	1,187	1,163	24	98.0	2.0		1909	8,220	8,065	155	98.1	1.9
Proprietors and firm members.....	1919	851	817	34	96.0	4.0	16 years of age and over.....	1919	13,867	13,393	460	96.6	3.4
	1914	664	644	20	97.0	3.0		1914	8,865	8,681	184	97.9	2.1
	1909	831	811	20	97.6	2.4		1909	8,190	8,035	155	98.1	1.9
Salaried officers of corporations....	1919	145	142	3	97.9	2.1	Under 16 years of age.....	1919	50	47	3	94.0	6.0
	1914	83	80	3	96.4	3.6		1914	54	47	7	87.0	13.0
	1909	108	104	4	96.3	3.7		1909	30	30	0	100.0	0.0
Superintendents and managers....	1919	469	465	4	99.1	0.9							
	1914	279	278	1	99.6	0.4							
	1909	248	248	0	100.0	0.0							

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

INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.			INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.		
			16 years of age and over.		Under 16 years of age.				16 years of age and over.		Under 16 years of age.
			Male.	Female.					Male.	Female.	
All industries.....	1919	13,917	96.3	3.4	0.4	Confectionery and ice cream.....	1919	161	32.9	67.1	.....
	1914	8,919	97.3	2.1	0.6		1914	58	43.1	55.2	1.7
	1909	8,220	97.7	1.9	0.4	Flour-mill and gristmill products.....	1919	304	99.7	0.3	.....
Automobile repairing.....	1919	342	99.1	.....	0.9		1914	188	98.9	1.1	.....
Bread and other bakery products.....	1919	159	68.6	25.8	5.7	Lumber and timber products.....	1919	8,291	99.0	0.9	0.1
	1914	104	81.7	16.3	1.9		1914	5,968	99.8	0.1	0.1
Brick.....	1919	109	100.0	.....	.....	Lumber, planing-mill products, not includ- ing planing mills connected with sawmills.	1919	119	96.6	0.8	2.5
	1914	73	100.0	.....	.....		1914	51	100.0	.....	.....
Butter.....	1919	145	90.3	9.7	.....	Printing and publishing, newspapers and periodicals.	1919	371	77.6	15.9	6.5
	1914	62	90.3	6.5	3.2		1914	425	81.6	11.1	7.3
Canning and preserving, fruits and vege- tables.	1919	155	51.0	49.0	.....	All other industries.....	1919	1,884	96.2	3.6	0.2
	1914	70	21.4	70.0	8.6		1914	943	96.7	2.5	0.7
Cars and general shop construction and re- pairs by steam-railroad companies.	1919	1,877	98.6	1.4	.....						
	1914	977	99.8	.....	0.2						

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.

	BOISE.			POCATELLO.	
	1919	1914	1909	1919	1914
Wage earners (average number).....	573	348	411	1,639	732
16 years of age and over.....	571	347	411	1,639	778
Male.....	474	293	372	1,556	775
Female.....	97	54	39	83	3
Under 16 years of age.....	2	1	.....	.....	4
Value of products.....	\$3,833,280	\$1,877,327	\$1,660,497	\$5,328,406	\$1,876,167

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

MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.			MONTH.	NUMBER. <sup>1</sup>			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	11,248	6,915	6,145	63.8	65.3	64.5	July.....	14,555	10,368	8,939	89.1	93.0	93.8
February.....	11,178	6,414	6,033	63.4	60.6	63.3	August.....	14,568	10,060	8,696	89.1	95.1	91.3
March.....	11,823	7,577	7,270	69.3	71.6	76.3	September.....	15,552	10,091	8,690	95.2	95.4	91.2
April.....	12,849	8,738	8,279	78.6	82.6	86.9	October.....	16,252	9,831	9,525	99.4	92.9	100.0
May.....	14,020	9,853	8,664	85.8	93.1	91.0	November.....	16,342	8,783	8,971	100.0	83.0	94.2
June.....	14,637	10,583	8,929	89.6	100.0	93.7	December.....	14,480	7,806	8,507	88.6	73.8	89.3

<sup>1</sup>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 of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries.....	13,917	11,248	11,178	11,323	12,849	14,020	14,637	14,555	14,568	15,552	16,252	16,342	14,480	68.4
Males.....	13,445	10,886	10,821	10,954	12,468	13,592	14,092	14,059	14,161	14,931	15,637	15,735	14,004	68.8
Females.....	472	362	357	369	381	428	545	496	407	621	615	607	476	57.5
Automobile repairing.....	342	291	292	300	327	356	396	395	378	379	344	320	326	73.5
Bread and other bakery products.....	159	129	131	137	148	150	158	167	173	177	175	179	184	70.1
Brick.....	109	44	43	44	72	145	184	180	167	146	114	92	77	23.4
Butter.....	145	119	127	131	134	149	155	174	171	158	145	138	139	68.4
Canning and preserving, fruits and vegetables.....	155	11	8	11	33	135	306	259	134	342	260	248	113	2.3
Cars and general shop constructions and repairs by steam-railroad companies.....	1,877	1,862	1,920	1,915	1,927	1,927	1,856	1,816	1,741	1,813	1,889	1,959	1,899	88.9
Confectionery and ice cream.....	161	124	140	145	135	141	150	138	158	177	203	213	208	58.2
Flour-mill and gristmill products.....	304	313	293	283	295	284	280	260	300	329	326	336	344	75.6
Lumber and timber products.....	8,291	6,237	6,507	6,658	7,875	8,525	9,040	8,951	9,153	9,822	9,143	8,966	8,615	63.5
Lumber, planing-mill products, not including planing mills connected with sawmills.....	119	84	86	97	96	113	132	143	155	145	131	136	110	54.2
Printing and publishing, newspapers and periodicals.....	371	341	346	339	374	373	373	367	366	379	381	399	414	81.9
All other industries.....	1,884	1,688	1,285	1,263	1,433	1,722	1,607	1,705	1,672	1,685	3,141	3,356	2,051	37.6
<i>Industries showing large proportion of females.</i>														
Bread and other bakery products.....	43	35	35	35	43	43	43	45	46	49	46	46	50	70.0
Canning and preserving, fruits and vegetables.....	76	4	1	2	11	33	177	149	41	209	141	124	20	0.5
Confectionery and ice cream.....	108	79	92	98	89	90	93	78	99	117	146	157	158	49.4
Printing and publishing, newspapers and periodicals.....	60	54	55	57	60	60	60	60	60	64	62	62	66	81.8
Total for cities.....	2,212	2,010	2,104	2,182	2,199	2,270	2,221	2,146	2,113	2,247	2,329	2,379	2,344	84.5
Males.....	2,032	1,855	1,937	2,010	2,033	2,107	2,057	2,007	1,954	2,057	2,113	2,147	2,107	86.4
Females.....	180	155	167	172	166	163	164	139	159	190	216	232	237	58.6
BOISE.....	573	478	509	502	512	576	570	565	598	648	651	637	630	73.4
Males.....	476	394	419	410	427	495	495	501	512	538	530	497	494	73.2
Females.....	97	84	90	92	85	81	75	64	86	110	121	140	136	45.7
POCATELLO.....	1,639	1,532	1,595	1,680	1,687	1,694	1,651	1,581	1,616	1,599	1,678	1,742	1,714	87.0
Males.....	1,556	1,461	1,518	1,600	1,606	1,612	1,562	1,506	1,442	1,519	1,583	1,650	1,613	87.4
Females.....	83	71	77	80	81	82	89	75	73	80	95	92	101	70.3

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. <sup>1</sup>	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries.....	1919	13,917	8	370	10,959	161	566	688	1,003	162
	1914	8,919	( <sup>2</sup> )	( <sup>2</sup> )	586	53	1,328	265	6,223	464
	1909	8,220	( <sup>2</sup> )	( <sup>2</sup> )	637	70	1,195	79	5,419	820
Automobile repairing.....	1919	342			84	11	166	44	9	28
Bread and other bakery products.....	1919	159	2		45	2	63	3	20	24
	1914	104	( <sup>2</sup> )	( <sup>2</sup> )	12		31		50	9
Brick.....	1919	109			72		18	6	13	
	1914	73	( <sup>2</sup> )	( <sup>2</sup> )	15	11	22		25	
Butter.....	1919	145	1		33	19	26	40	16	10
	1914	62	( <sup>2</sup> )	( <sup>2</sup> )	2		7		46	7
Canning and preserving, fruits and vegetables.....	1919	155			14				92	49
	1914	70	( <sup>2</sup> )	( <sup>2</sup> )	27		14		29	
Cars and general shop construction and repairs by steam-railroad companies.....	1919	1,877		329	1,516		6	26		
	1914	977					735	206	36	
Confectionery and ice cream.....	1919	161			61	71	17	7		5
	1914	58	( <sup>2</sup> )	( <sup>2</sup> )	2		43	1	2	10
Flour-mill and gristmill products.....	1919	304	2		75	3	68		141	15
	1914	188					11	1	107	69
Lumber and timber products.....	1919	8,291	1	3	8,030	25	36	33	161	2
	1914	5,908	( <sup>2</sup> )	( <sup>2</sup> )	8	5	57	10	5,778	110
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	119			113		6			
	1914	51	( <sup>2</sup> )	( <sup>2</sup> )	27		22		2	
Printing and publishing, newspapers and periodicals.....	1919	371	1	32	298	11	16	12	1	
	1914	425	( <sup>2</sup> )	( <sup>2</sup> )	293	32	64	22	14	
All other industries.....	1919	1,884	1	6	618	19	144	517	550	29
	1914	943	( <sup>2</sup> )	( <sup>2</sup> )	200	5	322	23	134	259
Total for cities.....	1919	2,212	1	14	1,710	83	207	107	40	50
	1914	1,130	( <sup>2</sup> )	( <sup>2</sup> )	208		823	10	29	60
BOISE.....	1919	573		14	165	71	168	74	40	41
	1914	348	( <sup>2</sup> )	( <sup>2</sup> )	190		86	10	20	42
POCATELLO.....	1919	1,639	1		1,545	12	39	33		9
	1914	782	( <sup>2</sup> )	( <sup>2</sup> )	18		737		9	18

<sup>1</sup> Includes 48 and under for 1914 and 1909.<sup>2</sup> Corresponding figures not available.

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.				
All industries.....	922	13,917	137	579	1,100	133	1,408	31	966	12	834	16	2,370	10	3,605	3	2,208	1	1,426
Automobile repairing.....	119	342	11	92	182	16	160												
Bread and other bakery products.....	82	150	13	66	132	3	27												
Brick.....	12	109	1	5	20	5	54	1	35										
Butter.....	32	145	1	20	31	11	114												
Canning and preserving, fruits and vegetables.....	8	155	1			6	91			1	64								
Cars and general shop construction and repairs by steam-railroad companies.....	9	1,877				1	6	4	116	1	70	2	259					1	1,426
Confectionery and ice cream.....	20	161	2	14	29	2	27	1	50	1	55								
Flour-mill and gristmill products.....	78	304	13	46	68	18	197	1	39										
Lumber and timber products.....	194	8,291	15	114	182	23	228	14	435	7	460	9	1,492	9	3,286	3	2,208		
Lumber, planing-mill products, not including planing mills connected with sawmills.....	16	110	3	8	25	2	14	3	80										
Printing and publishing, newspapers and periodicals.....	136	371	35	86	170	14	164	1	37										
All other industries.....	216	1,884	42	128	261	32	326	6	174	2	185	5	619	1	319				
Total for cities.....	134	2,212	14	79	189	34	386	5	156	1	55							1	1,426
BOISE.....	98	573	11	56	130	26	287	5	156										
POCATELLO.....	36	1,639	3	23	59	8	99			1	55							1	1,426

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.....	922	698	725	13,917	8,919	8,220	\$80,510,749	\$28,453,797	\$22,399,860	\$36,562,244	\$13,561,703	\$12,479,843
Less than \$5,000.....	300	299	279	184	276	354	870,035	777,615	743,265	602,448	520,846	523,258
\$5,000 to \$20,000.....	314	252	281	760	828	1,184	3,427,716	2,426,365	2,854,751	1,960,795	1,437,559	1,756,615
\$20,000 to \$100,000.....	195	93	129	1,371	956	1,751	8,410,814	4,061,116	5,785,475	3,636,704	1,767,604	2,771,134
\$100,000 to \$500,000.....	74	40	136	2,138	4,143	14,931	16,288,813	7,570,211	13,016,369	5,931,267	6,601,525	17,428,836
\$500,000 to \$1,000,000.....	21	11		2,545			14,624,616	7,712,573		6,535,775		
\$1,000,000 and over.....	18	3		6,919	2,716		36,888,755	5,905,917		17,895,265	3,238,169	
PER CENT DISTRIBUTION.												
All classes.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000.....	32.5	42.8	38.5	1.3	3.1	4.3	1.1	2.7	3.3	1.6	3.9	4.2
\$5,000 to \$20,000.....	34.1	36.1	38.8	5.5	9.3	14.4	4.3	8.5	12.7	5.4	10.6	14.1
\$20,000 to \$100,000.....	21.1	13.3	17.8	9.9	10.7	21.3	10.4	14.3	25.8	9.9	13.0	22.2
\$100,000 to \$500,000.....	8.0	5.7	5.0	15.4	46.5	60.0	20.2	26.6	58.1	16.2	48.7	59.5
\$500,000 to \$1,000,000.....	2.3	1.6		18.3			18.2	27.1		17.9		
\$1,000,000 and over.....	2.0	0.4		49.7	30.5		45.8	20.8		48.9	23.9	

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

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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.			
			Per cent distribution.				Per cent distribution.				Per cent distribution.				Per cent distribution.	
	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914
BREAD AND OTHER BAKERY PRODUCTS.....	82	65	100.0	100.0	159	104	100.0	100.0	\$1,340,832	\$546,752	100.0	100.0	\$457,123	\$264,208	100.0	100.0
Less than \$5,000.....	14	22	17.1	33.8	3	11	1.9	10.6	37,908	70,803	2.8	12.9	13,631	32,784	3.0	12.4
\$5,000 to \$20,000.....	47	40	57.3	61.5	76	81	47.8	77.9	521,334	405,452	38.9	74.2	204,113	201,070	44.7	76.3
\$20,000 to \$100,000.....	21	3	25.6	4.6	80	12	50.3	11.5	781,590	70,497	58.3	12.9	239,379	29,754	52.4	11.3
BUTTER.....	32	23	100.0	100.0	145	62	100.0	100.0	3,664,496	997,459	100.0	100.0	534,253	165,272	100.0	100.0
Less than \$5,000.....	3	4	9.4	17.4	1	.....	0.7	.....	5,644	12,911	0.2	1.3	982	2,391	0.2	1.4
\$5,000 to \$20,000.....	6	6	18.8	26.1	4	9	2.8	14.5	87,294	70,171	2.4	7.0	14,017	10,907	2.6	6.6
\$20,000 to \$100,000.....	12	10	37.5	43.5	32	37	22.1	59.7	718,410	521,629	19.6	52.3	110,313	85,721	20.7	51.9
\$100,000 to \$500,000.....	11	3	34.4	13.0	108	10	74.5	25.8	2,853,148	392,748	77.9	39.4	408,966	66,253	76.4	40.1
FLOUR-MILL AND GRISTMILL PRODUCTS.....	78	71	100.0	100.0	304	188	100.0	100.0	13,501,088	3,395,942	100.0	100.0	1,673,170	668,910	100.0	100.0
Less than \$5,000.....	8	13	10.3	18.3	1	8	0.3	4.3	23,828	34,933	0.2	1.0	2,839	10,380	0.2	1.6
\$5,000 to \$20,000.....	19	22	24.4	31.0	8	16	2.6	8.5	249,862	235,006	1.9	6.9	35,350	60,625	2.1	9.1
\$20,000 to \$100,000.....	25	26	32.1	36.6	39	65	12.8	34.6	1,105,667	1,106,594	8.9	32.6	192,349	254,036	11.5	38.1
\$100,000 to \$500,000.....	17	10	21.8	14.1	112	99	36.8	52.7	4,264,511	2,019,409	31.6	59.5	591,063	343,269	35.3	51.3
\$500,000 to \$1,000,000.....	0	.....	7.7	.....	94	.....	30.9	.....	3,849,307	.....	28.5	.....	459,485	.....	27.5	.....
\$1,000,000 and over.....	3	.....	3.8	.....	50	.....	16.5	.....	3,917,853	.....	29.0	.....	392,084	.....	23.4	.....
LUMBER AND TIMBER PRODUCTS.....	194	143	100.0	100.0	8,291	5,968	100.0	100.0	30,087,627	13,180,139	100.0	100.0	21,609,600	7,140,445	100.0	100.0
Less than \$5,000.....	91	65	46.9	45.5	96	91	1.2	1.5	267,185	151,054	0.9	1.1	225,276	116,950	1.0	1.5
\$5,000 to \$20,000.....	44	41	22.7	28.7	166	269	2.0	4.5	456,499	420,531	1.5	3.2	364,429	327,981	1.7	4.6
\$20,000 to \$100,000.....	21	15	10.8	10.5	279	404	3.4	6.8	872,980	759,544	2.9	5.8	613,401	516,493	2.8	7.2
\$100,000 to \$500,000.....	19	13	9.8	9.1	1,034	1,504	12.5	87.2	3,900,016	2,877,633	13.0	21.8	2,730,575	1,678,991	12.6	88.5
\$500,000 to \$1,000,000.....	9	9	4.6	6.3	1,955	.....	23.6	.....	6,661,659	8,971,377	22.1	68.1	4,764,097	.....	22.0	.....
\$1,000,000 and over.....	10	.....	5.2	.....	4,761	.....	57.4	.....	17,929,288	.....	59.6	.....	12,911,822	.....	59.8	.....
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.....	136	151	100.0	100.0	371	425	100.0	100.0	1,853,587	1,156,543	100.0	100.0	1,329,413	894,562	100.0	100.0
Less than \$5,000.....	66	89	48.5	58.9	32	92	8.6	21.6	203,851	227,890	11.0	19.7	154,259	186,686	11.6	20.9
\$5,000 to \$20,000.....	58	56	39.0	37.1	145	176	39.1	41.4	538,602	473,170	29.1	40.9	403,517	383,953	30.4	42.9
\$20,000 to \$100,000.....	14	8	10.3	4.0	125	157	33.7	36.9	539,592	455,483	29.1	39.4	387,755	323,923	29.2	36.2
\$100,000 to \$500,000.....	3	.....	2.2	.....	69	.....	18.6	.....	571,542	.....	30.8	.....	333,832	.....	28.9	.....
SLAUGHTERING AND MEAT PACKING.....	12	9	100.0	100.0	89	81	100.0	100.0	1,791,175	981,115	100.0	100.0	349,980	266,619	100.0	100.0
\$20,000 to \$100,000.....	4	4	33.3	55.6	11	23	12.4	28.4	190,646	288,407	10.6	29.4	44,095	91,138	12.6	34.2
\$100,000 to \$500,000.....	8	4	66.7	44.4	78	58	87.6	71.6	1,600,529	692,708	89.4	70.6	305,885	175,481	87.4	65.8

<sup>1</sup> Includes the groups "\$500,000 to \$1,000,000" and "\$1,000,000 and over."

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

<sup>3</sup> Includes the group "\$100,000 to \$500,000."

<sup>4</sup> 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.
BOISE.....	98	573	100.0	\$3,883,280	100.0	\$1,891,686	100.0
Less than \$5,000.....	20	8	1.4	54,672	1.4	37,840	2.0
\$5,000 to \$20,000.....	34	93	16.2	409,788	10.6	253,151	13.4
\$20,000 to \$100,000.....	34	255	44.5	1,455,933	37.5	703,447	37.2
\$100,000 to \$500,000.....	10	217	37.9	1,962,887	50.5	897,248	47.4
POCATELLO.....	36	1,639	100.0	5,328,406	100.0	2,044,029	100.0
Less than \$5,000.....	7	2	0.1	22,871	0.4	9,871	0.5
\$5,000 to \$20,000.....	10	21	1.3	108,611	2.0	60,138	2.9
\$20,000 to \$100,000.....	15	108	6.6	705,121	13.2	324,417	15.9
\$100,000 and over.....	4	1,508	92.0	4,491,803	84.3	1,649,603	80.7

## MANUFACTURES—IDAHO.

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

INDUSTRY AND CITY.	Cen- sus 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.			Total.	Individ- uals.	Corpora- tions.	All oth- ers.
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.				
All industries.....	1919	447	284	191	13,917	1,051	12,084	782	7.6	86.8	5.6	\$80,510,749	\$5,704,034	\$70,230,068	\$4,576,647	7.1	87.2	5.7				
	1914	373	187	138	8,919	720	7,238	961	8.1	81.2	10.8	28,453,797	2,741,997	22,699,885	3,011,915	9.6	79.8	10.6				
	1909	350	200	175	8,220	1,237	6,401	582	15.0	77.9	7.1	22,399,860	3,567,130	16,982,034	1,850,696	15.9	75.8	8.3				
Bread and other bakery products.	1919	68	3	11	159	129	5	25	81.1	3.1	15.7	1,340,832	1,078,463	62,010	200,359	80.4	4.6	14.9				
	1914	52	3	10	104	79	10	15	76.0	9.6	14.4	546,752	416,524	51,590	78,638	70.2	9.4	14.4				
Butter.....	1919	6	18	8	145	7	113	25	4.8	77.9	17.2	3,664,496	233,285	2,662,598	768,613	6.4	72.7	21.0				
	1914	5	14	4	62	7	42	13	11.3	67.7	21.0	997,459	87,312	692,465	217,682	8.8	69.4	21.8				
Cars and general shop construction and repairs by steam-railroad companies.	1919	—	9	—	1,877	—	1,877	—	—	100.0	—	4,401,733	—	4,401,733	—	—	100.0	—				
	1914	—	7	—	977	—	977	—	—	100.0	—	2,033,635	—	2,033,635	—	—	100.0	—				
Flour-mill and gristmill products.	1919	19	50	9	304	33	263	8	10.9	86.5	2.6	13,501,088	800,975	12,317,676	382,437	5.9	91.2	2.8				
	1914	19	39	13	183	27	146	15	14.4	77.7	8.0	3,395,942	438,224	2,608,353	349,365	12.9	76.8	10.3				
Lumber and timber products.	1919	93	51	50	8,291	426	7,464	401	5.1	90.0	4.8	30,087,627	1,146,010	27,692,432	1,249,185	3.8	92.0	4.2				
	1914	63	38	42	5,963	199	4,986	783	3.3	83.5	13.1	13,180,139	341,614	10,983,719	1,854,806	2.6	93.0	14.1				
Printing and publishing, newspapers and periodicals.	1919	81	34	21	371	130	202	39	35.0	54.4	10.5	1,853,587	535,125	1,117,878	200,584	28.9	60.3	10.8				
	1914	99	25	27	425	170	202	53	40.0	47.5	12.5	1,156,543	455,914	575,400	125,199	39.4	49.8	10.8				
Slaughtering and meat packing.	1919	3	7	2	89	19	70	—	21.3	78.7	—	1,791,175	1,321,100	1,470,075	—	17.9	82.1	—				
	1914	2	6	1	81	12	69	—	14.8	85.2	—	981,115	1,198,407	782,708	—	20.2	79.8	—				
Total for cities.....	1919	56	48	30	2,212	141	1,905	166	6.4	86.1	7.5	9,211,686	916,330	7,426,105	869,251	9.9	80.6	9.4				
	1914	43	24	9	1,130	109	999	22	9.6	88.4	1.9	3,253,494	374,312	2,721,828	157,354	11.5	83.7	4.8				
BOISE.....	1919	42	31	25	573	115	361	97	20.1	63.0	16.9	3,883,280	636,272	2,715,428	531,582	16.4	69.9	13.7				
	1914	30	18	9	348	93	233	22	26.7	67.0	6.3	1,377,327	288,519	931,454	157,354	20.9	67.6	11.4				
POCATELLO.....	1919	14	17	5	1,639	26	1,544	69	1.6	94.2	4.2	5,328,406	280,058	4,710,679	337,669	5.3	88.4	6.3				
	1914	13	6	—	782	16	766	—	2.0	98.0	—	1,876,167	85,793	1,790,374	—	4.6	95.4	—				

¹ Includes the group "All others."

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

	Cen- sus 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.		Number or amount.	Per cent of aggre- gate.
			Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.		
Number of places.....	1919	—	2	—	2	—	—	—
	1914	—	2	—	2	—	—	—
	1909	—	1	—	1	—	—	—
Population ¹.....	1920	431,866	36,394	8.4	36,394	8.4	395,472	91.6
	1915	395,407	40,904	10.3	40,904	10.3	354,503	89.7
	1910	325,594	17,358	5.3	17,358	5.3	308,236	94.7
Number of establishments.....	1919	922	134	14.5	134	14.5	785	85.5
	1914	698	76	10.9	76	10.9	622	89.1
	1909	725	50	6.9	50	6.9	675	93.1
Average number of wage earners.....	1919	13,917	2,212	15.9	2,212	15.9	11,705	84.1
	1914	8,919	1,130	12.7	1,130	12.7	7,789	87.3
	1909	8,220	411	5.0	411	5.0	7,809	95.0
Value of products.....	1919	\$80,510,749	\$9,211,686	11.4	\$9,211,686	11.4	\$71,299,063	88.6
	1914	28,453,797	3,253,494	11.4	3,253,494	11.4	25,200,303	88.6
	1909	22,399,860	1,660,497	7.4	1,660,497	7.4	20,739,363	92.6
Value added by manufacture.....	1919	36,562,244	3,935,715	10.8	3,935,715	10.8	32,626,529	89.2
	1914	13,561,703	1,791,024	13.2	1,791,024	13.2	11,770,679	86.8
	1909	12,479,843	705,909	6.1	705,909	6.1	11,713,934	93.9

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.....	2,139	1,314	937	73,876	50,326	42,804	100.0	100.0	100.0
Owned.....	503	440	540	55,633	40,369	38,178	75.3	80.2	89.2
Steam.....	409	353	437	53,304	38,264	35,529	72.2	76.0	83.0
Engines.....	392	(1)	(1)	42,240	(1)	(1)	57.2		
Turbines.....	17	(1)	(1)	11,064	(1)	(1)	15.0		
Internal-combustion engines.....	60	55	53	578	431	242	0.8	0.9	0.6
Water.....	34	32	50	1,751	1,674	2,407	2.4	3.3	5.6
Water wheels and turbines.....	33	24	47	1,750	1,454	2,403	2.4	2.9	5.6
Water motors.....	1	8	3	1	220	4	(2)	0.4	(2)
Rented.....	1,636	874	397	18,243	9,957	4,626	24.7	19.8	10.8
Electric.....	1,630	874	397	18,207	9,928	4,606	24.6	19.7	10.8
Other.....				36	29	20	(2)	0.1	(2)
Electric.....	2,005	1,069	608	29,889	16,120	8,409	100.0	100.0	100.0
Rented.....	1,636	874	397	18,207	9,928	4,606	60.9	61.6	54.8
Generated by establishments reporting.....	369	195	211	11,682	6,192	3,803	39.1	38.4	45.2

<sup>1</sup> Not reported separately.<sup>2</sup> Less than one-tenth of 1 per cent.

TABLE 17.—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 353	152,014	24,429	23,619	917	3,751
	1914 175	88,222	2,482	2,273	(1)	2,256
Per cent of increase.....	101.7	72.3	884.2	979.5		66.3
Brick.....		5,889				
Canning and preserving, fruits and vegetables.....		1,987	399			
Cars and general shop construction and repairs by steam-railroad companies.....		25,101				
Condensed milk.....		4,670			48	
Gas, illuminating and heating.....		9,544	1,283	1,644		
Lumber and timber products.....		11,131		6,386	397	
Printing and publishing, newspapers and periodicals.....	49	997	15	4	103	321
Slaughtering and meat packing.....	188	1,398			39	
Smelting, lead.....		7,288	17,702	14,489		
Sugar, beet.....		73,344	4,149			
All other industries.....	116	10,665	876	1,096	330	3,430
Total for cities.....	10	31,496	1,557	1,615	84	3,368
BOISE.....	10	6,545	229		80	2,123
POCATELLO.....		24,951	1,328	1,615	4	1,245

<sup>1</sup> 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 four of these industries in Idaho are presented.

Lumber and timber products (Table 18).—The lumber industry is of first importance in Idaho, the value of lumber and timber products forming 37.4 per cent of the total value of all manufactured products for the state in 1919. The following table shows the production of lumber for 1919, 1914, and 1909, and lath and shingles for 1919 and 1909:

TABLE 18.—PRODUCTION OF LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY.		
	1919	1914	1909
Lumber..... M feet b. m.....	765,388	1,763,508	645,800
Lath..... thousands.....	69,150	(2)	88,740
Shingles..... thousands.....	22,657	(2)	62,308

<sup>1</sup> Does not include data for custom mills.<sup>2</sup> Not reported.

The relative importance of Idaho as a lumber-producing state is increasing. In 1919 it ranked sixteenth among the states in the production of this commodity, in 1914 twentieth, and in 1909 twenty-fifth.

In 1919, 33.4 per cent of the total lumber cut was from western yellow pine, 30.6 per cent from Idaho white pine, and 18.7 per cent from larch. Other important woods cut were white fir, Douglas fir, cedar, and spruce.

Flour-mill and gristmill products (Table 19).—Wheat flour is still the leading product, forming 82 per cent of the total value of products for the industry in 1919, as compared with 66.6 per cent in 1914. During this five-year period there was an increase in wheat flour of 531,563 barrels, or 92.9 per cent, in quantity, and \$8,815,774, or 389.8 per cent, in value. Bran and middlings during this period increased 14,118 tons, or 54.7 per cent, in quantity, and \$995,438, or 195.4 per cent, in value.



TABLE 19.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$13,501,088	\$3,395,942	\$2,479,719
Wheat flour:			
Barrels.....	1,104,634	571,965	386,022
Value.....	\$11,088,516	\$2,261,403	\$1,819,581
Rye flour:			
Barrels.....	155		
Value.....	\$1,762		
Corn meal and corn flour:			
Barrels.....	1,785	5,048	180
Value.....	\$18,674	\$18,809	\$1,016
Barley meal:			
Pounds.....	131,855	754,416	40,000
Value.....	\$5,406	\$8,450	\$600
Bran and middlings:			
Tons.....	39,907	25,789	
Value.....	\$1,504,845	\$509,407	27,673
Feed and offal:			
Tons.....	14,051	21,879	\$644,133
Value.....	\$791,844	\$585,001	
Breakfast foods:			
Pounds.....	56,904		
Value.....	\$3,084		
All other cereal products, value.....	\$10,019	\$3,390	\$5,924
All other products, value.....	\$76,938	\$9,482	\$8,465

Butter, cheese, and condensed milk (Table 20).—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 and at an increased proportion, forming 69.9 per cent of the total value of all products of the industry in the state in 1919, as compared with 58.2 per cent in 1914. During this five-year period cheese increased 249.4 per cent in quantity and 636 per cent in value.

TABLE 20.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$4,392,255	\$1,395,719	\$881,066
Butter:			
Pounds.....	5,272,857	2,813,761	2,357,386
Value.....	\$3,070,806	\$812,023	\$750,820
Packed solid—			
Pounds.....	1,057,899	666,643	434,063
Value.....	\$562,575	\$181,128	\$123,352
Prints or rolls—			
Pounds.....	4,214,958	2,147,118	1,923,323
Value.....	\$2,508,231	\$630,895	\$627,468
Cheese:			
Pounds.....	2,623,440	750,810	
Value.....	\$792,872	\$107,732	( <sup>1</sup> )
Cream sold:			
Pounds.....	827,708	858,451	417,800
Value.....	\$128,110	\$78,972	\$49,934
All other products, value.....	\$400,467	\$396,992	\$83,312

<sup>1</sup> Excludes statistics for 2 establishments manufacturing condensed milk in 1919 to avoid disclosure of individual operations.

<sup>2</sup> Included in "All other products" to avoid disclosure of individual operations.

Printing and publishing (Table 21).—The table which follows gives the number of publications and aggregate circulation per issue for all newspapers and periodicals published in Idaho during 1919, 1914, and 1909.

Of the daily papers, 5, with a circulation of 27,452, were published in the morning and 12, with a circulation of 36,446, in the afternoon. Although there was a decrease in the total number of publications during the five-year period from 1914 to 1919, the total circulation increased 11.5 per cent. All the publications were printed in the English language.

TABLE 21.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.....	157	167	130	226,016	202,721	140,781
Daily.....	17	12	13	63,898	41,474	28,598
Sunday.....	7	8	3	44,251	34,566	13,864
Semiweekly <sup>1</sup> .....	6	8	6	8,735	9,730	7,185
Weekly.....	124	134	108	99,832	102,226	91,134
Monthly.....	<sup>2</sup> 3	5		9,300	14,725	

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

<sup>2</sup> Includes 1 semimonthly publication.

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 Idaho for 1919 and 1914.

TABLE 22.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Percent of increase, <sup>1</sup> 1914-1919.
	1919	1914	
Number of establishments.....	40	36	
Persons engaged.....	652	510	27.8
Proprietors and firm members.....	38	42	
Salaried employees.....	43	26	
Wage earners (average number).....	571	442	29.2
Primary horsepower.....	756	1,033	-26.8
Capital.....	\$877,560	\$486,600	80.3
Salaries and wages.....	\$47,055	\$274,938	99.0
Salaries.....	59,420	28,844	106.0
Wages.....	487,635	246,094	98.1
Paid for contract work.....	2,565	3,400	-24.6
Rent and taxes.....	20,854	12,734	63.8
Cost of materials.....	322,581	140,586	129.5
Amount received for work done.....	1,179,846	592,749	99.0

<sup>1</sup> 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. 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 23.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	4
Persons engaged.....	56
Proprietors and firm members.....	6
Salaried employees.....	6
Wage earners (average number).....	44
Primary horsepower.....	18
Capital.....	\$46,610
Salaries and wages.....	58,768
Salaries.....	10,658
Wages.....	48,110
Paid for contract work.....	41,329
Rent and taxes.....	3,873
Cost of materials.....	7,952
Amount received for work done.....	130,507

Custom sawmills and gristmills (Tables 24 and 25).—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 24 and 25, however, summarize the statistics for such mills for 1919 and 1909.

TABLE 24.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, <sup>1</sup> 1909-1919.
	1919	1909	
Number of establishments.....	7	4	.....
Persons engaged.....	16	27	.....
Proprietors and firm members.....	14	22	.....
Wage earners (average number).....	2	5	.....
Primary horsepower.....	292	111	163.1
Capital.....	\$16,080	\$9,110	76.5
Wages.....	2,224	2,392	-7.0
Rent and taxes.....	185	( <sup>2</sup> )	.....
Cost of materials.....	388	150	158.7
Amount received for work done.....	5,971	4,505	32.5

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

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

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 25.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, <sup>1</sup> 1909-1919.
	1919	1909	
Number of establishments.....	6	11	.....
Persons engaged.....	8	17	.....
Proprietors and firm members.....	5	14	.....
Salaried employees.....	1	3	.....
Wage earners (average number).....	2	3	.....
Primary horsepower.....	204	196	4.1
Capital.....	\$10,560	\$55,225	-70.0
Salaries and wages.....	3,553	1,674	112.2
Salaries.....	750	.....	.....
Wages.....	2,803	1,674	67.4
Rent and taxes.....	564	( <sup>2</sup> )	.....
Cost of materials <sup>3</sup> .....	113,812	101,516	12.1
Value of products <sup>3</sup> .....	127,833	118,831	7.6

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

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

<sup>3</sup> Includes estimate of all grain ground.

## GENERAL TABLES.

Table 26 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, 1919, 1914, and 1909, and similar data for all industries combined for Boise and Pocatello. Certain kindred industries are combined in some instances for comparison with 1909.

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

TABLE 26.—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.	INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.		
																Expressed in thousands.	Expressed in thousands.
All industries.....	1919	922	13,917	73,876	\$18,548	\$43,949	\$80,511	Ice, manufactured.....	1919	15	56	1,258	\$70	\$48	\$272		
	1914	698	8,919	50,328	7,491	14,892	28,454		1914	10	42	822	38	23	112		
	1909	725	8,220	42,804	5,498	9,920	22,400		1909	4	19	355	14	12	65		
Bread and other bakery products.	1919	82	159	181	181	884	1,341	Lumber and timber products <sup>1</sup> ..	1919	210	6,410	47,719	11,768	8,815	30,643		
	1914	65	104	90	79	283	547		1914	159	6,019	34,936	4,911	6,102	13,329		
	1909	47	83	33	57	216	394		1909	256	5,212	32,342	3,382	3,345	10,689		
Brick.....	1919	12	109	764	132	72	303	Marble and stone work.....	1919	6	46	452	55	67	217		
	1914	10	73	763	44	22	85		1914	6	30	120	39	29	91		
	1909	36	286	1,050	179	109	444		1909	9	49	159	40	54	123		
Butter.....	1919	32	145	764	187	3,130	3,664	Mineral and soda waters.....	1919	16	33	209	33	195	320		
	1914	23	62	495	49	832	997		1914	20	22	42	12	33	81		
									1909	12	14	22	12	19	71		
Canning and preserving, fruits and vegetables.	1919	8	155	181	121	375	781	Printing and publishing.....	1919	159	438	653	600	633	2,175		
	1914	5	70	131	17	59	126		1914	173	457	539	371	306	1,343		
									1909	132	463	388	373	243	1,148		
Cars and general shop construction and repairs by steam-railroad companies.	1919	9	1,877	2,788	1,816	2,250	4,402	Saddlery and harness.....	1919	16	22	20	23	116	183		
	1914	7	977	3,901	988	880	2,034		1914	27	19	20	19	114	200		
	1909	5	849	755	672	659	1,366		1909	20	26	5	23	151	234		
Confectionery and ice cream....	1919	20	161	212	92	432	788	Slaughtering and meat packing.	1919	12	89	474	117	1,441	1,791		
	1914	13	58	44	26	108	212		1914	9	81	227	79	714	981		
									1909	4	39	115	33	451	532		
Copper, tin, and sheet-iron work	1919	7	16	.....	21	52	91	Tobacco, cigars.....	1919	17	18	3	12	43	85		
	1914	5	8	6	7	15	32		1914	29	27	1	19	67	128		
	1909	7	32	38	29	53	112		1909	24	80	.....	47	64	171		
Flour-mill and gristmill products.	1919	78	304	5,603	361	11,828	13,501	All other industries.....	1919	201	1,784	12,000	2,826	13,350	19,413		
	1914	71	188	3,914	155	2,727	3,396		1914	52	530	3,830	535	2,471	4,345		
	1909	57	125	3,595	91	2,025	2,480		1909	95	829	3,715	448	2,378	4,230		
Foundry and machine-shop products.	1919	18	60	193	92	128	298	CITY.	1919	98	573	1,598	713	1,992	3,883		
	1914	10	78	221	71	65	234		1914	57	348	1,053	285	599	1,377		
	1909	14	74	203	71	89	223		1909	50	411	672	308	895	1,660		
Gas, illuminating and heating..	1919	4	35	402	41	90	241	POCATELLO.....	1919	36	1,639	3,289	1,378	3,284	5,328		
	1914	4	44	224	32	52	171		1914	19	782	3,828	782	864	1,876		
	1909	3	35	27	27	52	113										

<sup>1</sup> Includes "lumber, planing-mill products, not including planing mills connected with sawmills."

<sup>2</sup> Includes "bookbinding and blank-book making."

## MANUFACTURES—IDAHO.

TABLE 27.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Pro- pri- etors and firm mem- bers.	Sala- ried offi- cers, super- in- tend- ents, and man- agers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.			
					Male.	Fe- male.	Aver- age num- ber.	Number, 15th day of—		Male.	Fe- male.	Male.	Fe- male.		
								Maximum month.							Minimum month.

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

All industries.....	922	10,268	851	614	614	272	13,917	No 16,342	Fe 11,178	(*)	(*)	(*)	(*)	(*)	Dollars. 96,061,709
1 Artificial stone products.....	5	14	7	1	1	1	6	An 12	Ja 3	15	15				43,280
2 Automobile bodies and parts.....	5	17	5	3	1	1	7	(*)	(*)	8	8				29,569
3 Automobile repairing.....	119	546	151	28	14	11	342	Je 396	Ja 291	356	353		3		1,032,440
4 Bread and other bakery products.....	82	274	91	6	8	10	159	De 184	Ja 129	190	127	52	8	3	595,905
5 Brick.....	12	130	7	9	3	2	109	Je 184	Fe 43	116	116				341,444
6 Butter.....	32	217	8	24	12	28	145	Jy 174	Ja 119	146	133	13			955,650
7 Canning and preserving, fruits and vegetables.....	8	184	3	16	6	4	155	Se 342	Fe 8	295	195	100			385,422
8 Cars and general shop construction and repairs by electric-railroad companies.....	3	20		2			18	No 19	Fe 17	19	19				51,813
9 Cars and general shop construction and repairs by steam-railroad companies.....	9	1,980		63	28	12	1,877	No 1,959	Au 1,741	1,894	1,872	22			3,199,004
10 Cheese.....	14	35	3	7	1	1	24	Je 28	Ja 18	29	28	1			147,650
11 Confectionery and ice cream.....	20	226	18	10	15	13	161			203	56	147			513,957
12 Confectionery.....	9	192	10	15	15	9	143	No 199	Ja 109	185	41	144			459,474
13 Ice cream.....	11	34	8	4		4	18	Jy 28	De 13	18	15	3			54,483
14 Copper, tin, and sheet-iron work.....	7	24	8				16	No 21	Ja 9	22	22				51,225
15 Flour-mill and gristmill products.....	78	468	52	50	42	20	304	De 344	Jy 260	346	343	3			8,797,938
16 Foundry and machine-shop products.....	18	90	20	2	3	5	60			65	65				289,750
17 Machine shops.....	12	45	12	2		4	27	Je 33	Ja 25	32	32				113,075
18 Machine shop and foundry combined.....	6	45	8		3	1	33	Se 38	Ja 28	33	33				156,675
19 Furniture.....	3	8	4				4	(*)	(*)	5	5				6,509
20 Gas, illuminating and heating.....	4	58		12	7	4	35	My 40	Fe 31	39	39				1,981,979
21 Ice, manufactured.....	15	84	11	10	4	3	56	Au 93	Ja 32	60	59	1			561,560
22 Lumber and timber products.....	194	8,964	210	153	252	53	8,291	Se 9,822	Ja 6,237	9,629	9,534	86	9		49,347,384
23 Lumber, planing-mill products, not including planing mills connected with sawmills.....	16	152	16	6	8	3	119	Au 156	Ja 84	112	108	1	3		415,852
24 Marble and stone work.....	6	61	7	3	5		46	Jy 63	De 35	35	35				293,489
25 Mineral and soda waters.....	16	58	15	7	1	2	33	Au 52	Ja 20	33	30	3			343,401
26 Printing and publishing, book and job.....	23	109	25	7	5	5	67	De 73	Ja 63	78	62	13	3		281,211
27 Printing and publishing, newspapers and periodicals.....	136	676	123	50	89	43	371			415	327	61	26	1	1,556,602
28 Printing, publishing, and job printing.....	131	667	117	50	89	43	368	De 411	Mh 336	412	324	61	26	1	1,550,881
29 All other.....	5	9	6				3	(*)	(*)	3	3				5,721
30 Saddlery and harness.....	16	46	18	3		3	22	Au 24	Ja 17	22	20	2			170,928
31 Slaughtering and meat packing.....	12	126	8	15	10	4	89	Oc 106	Ja 75	106	105		1		1,160,418
32 Tobacco, cigars.....	17	36	18				18	Je 24	Ap 11	15	10	5			36,608
33 Vinegar and cider.....	4	24		8	2		14	No 35	Ja 7	26	25	1			145,645
34 All other industries *.....	48	1,641	23	110	98	41	1,369								23,355,576

*All other industries embrace—															
Agricultural implements.....	2							Boxes, wooden packing, except cigar boxes.....	3						
Awnings, tents, and sails.....	2							Brooms, from broom corn.....	1						
Bookbinding and blank-book making.....	1							Coffee, roasting and grinding.....	2						
								Condensed milk.....	2						
								Dairymen's and apiarists' supplies.....	1						
								Electrical machinery, apparatus, and supplies.....	1						
								Food preparations, not elsewhere specified.....	2						
								Fur goods.....	1						
								Glass, cutting, staining, and ornamenting.....	1						
								Iron and steel, welding.....	2						
								Lime.....	2						

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

1 BOISE.....	98	875	93	77	90	42	573	Oc 651	Ja 478	682	558	124	2		3,453,398
2 POCATELLO.....	36	1,819	27	74	44	35	1,639	No 1,742	Au 1,515	1,725	1,627	98			3,852,746

\* Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).

\* Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

# MANUFACTURES—IDAHO.

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COMBINED AND FOR 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.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. <sup>1</sup>	

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

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.							
1,559,287	1,142,260	18,548,272	1,342,453	201,343	1,833,127	42,345,546	1,602,959	80,510,749	36,562,244	73,876	42,240	11,064	578	1,751	18,243	11,682
692	180	9,049	5,333	24	323	9,586	529	31,842	21,727	42	12	9	5	1	21	6
180	402	5,333	5,333	926	389	7,969	129	22,026	13,928	11	11	11	11	11	11	11
50,500	27,333	533,594	181,416	47,024	12,290	517,265	25,627	1,445,754	902,862	485	485	26	1	458	15	3
6,860	12,652	181,416	960	27,877	6,205	850,227	33,482	1,340,832	457,123	181	181	181	181	181	181	181
23,555	4,846	132,221	8,976	1,471	1,768	23,664	47,866	302,987	231,457	764	60	12	18	704	5	6
52,363	41,508	187,048	600	7,585	10,603	3,094,590	35,623	3,664,496	534,283	764	165	12	18	569	5	6
19,180	5,108	120,547	340	350	22,659	353,573	21,832	781,258	405,853	181	25	12	18	150	5	7
3,800	22,186	3,184	240	240	28,440	721	58,331	29,170	11	11	11	11	11	11	11	8
163,376	63,781	1,815,616	100	58,600	2,186,857	63,352	4,401,733	2,151,524	2,788	1,074	1,074	1,074	1,074	1,074	1,074	9
7,558	600	30,627	1,311	733	1,028	656,210	9,902	727,759	61,647	117	14	14	14	14	14	10
40,982	60,680	92,346	1,311	16,140	61,927	421,339	10,201	788,317	356,777	212	36	36	36	36	36	11
34,587	57,290	72,346	1,311	10,820	60,970	285,919	6,476	599,329	306,934	147	36	36	36	36	36	12
6,395	3,390	20,000	5,320	5,320	957	135,420	3,725	188,988	49,843	65	65	65	65	65	65	13
132,212	73,869	360,653	1,047	2,305	205	52,123	284	90,931	38,624	5,603	15	15	15	15	15	14
2,600	6,696	92,415	3,536	11,717	191,088	11,716,334	111,584	13,501,088	1,673,170	193	75	75	75	1,217	4,296	15
2,600	2,090	34,363	1,500	3,536	2,294	118,971	8,708	288,995	161,816	112	6	6	6	106	17	16
4,606	58,052	2,036	1,287	66,239	4,594	160,642	89,809	81	18	81	81	81	81	81	81	17
11,753	10,493	8,043	1,825	552	50	7,600	271	21,528	13,657	402	402	402	402	402	402	18
23,010	6,162	69,755	85	1,590	7,542	15,281	32,358	272,221	224,582	1,258	50	75	75	1,133	2,344	20
511,584	438,814	11,634,408	1,292,752	4,511	923,137	8,323,199	154,828	30,087,627	21,609,600	47,162	32,960	10,977	348	533	2,344	8,480
16,570	11,725	133,235	2,725	4,400	331,692	5,657	555,343	217,994	557	557	315	315	315	242	175	23
9,120	10,259	55,088	660	2,870	61,984	5,183	217,337	150,170	452	452	3	3	3	449	24	24
9,857	3,797	32,919	2,160	14,337	185,215	9,814	320,407	125,878	209	209	135	135	135	74	25	25
12,991	11,309	81,256	15	11,628	7,690	105,248	3,114	321,564	213,202	111	111	111	111	111	111	26
102,715	150,286	518,532	12,512	38,425	20,495	491,265	32,909	1,853,587	1,320,413	542	37	37	37	605	27	27
101,815	150,286	515,452	1,844	38,137	20,405	490,980	32,749	1,836,144	1,312,415	540	35	35	35	505	28	28
900	3,080	10,668	288	90	285	160	17,443	16,998	2	2	2	2	2	20	30	30
5,400	1,350	22,894	1,579	6,590	1,699	114,484	1,492	188,491	72,515	20	20	20	20	443	31	31
26,360	17,387	117,321	4,810	7,143	1,417,038	24,157	1,791,175	349,950	474	474	20	20	20	88	32	32
10,790	2,700	11,761	480	1,983	34,752	3,412	81,592	43,428	88	88	40	40	40	4,231	2,850	33
815,149	180,503	2,206,717	17,267	4,914	452,565	11,157,593	889,703	17,026,996	4,979,700	11,228	6,957	6,957	6,957	6,957	6,957	34

Mattresses and spring beds, not elsewhere specified.....	1	Patent medicines and compounds.....	2	Shipbuilding, wooden, including boat building.....	2	Sugar, beet.....	8
Minerals and earths, ground or otherwise treated.....	1	Paving materials.....	1	Smelting, lead.....	1	Toys and games.....	1
Optical goods, lenses.....	1	Petroleum, refining.....	1	Soap.....	1	Window and door screens.....	1
		Photo-engraving.....	1	Stoves and hot-air furnaces.....	1	Wood preserving.....	1
		Sand-lime brick.....	1				

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

150,705	155,240	713,121	14,667	54,435	78,470	1,908,676	82,918	3,883,280	1,891,686	1,598	95	7	139	1,357	1
163,155	123,888	1,378,129	11,431	11,431	87,666	3,190,439	93,938	5,328,406	2,044,029	3,289	1,326	75	3	1,885	2

\* No figures given for reasons stated under "Explanation of terms."  
 \* Same number reported for one or more other months.  
 \* Same number reported throughout the year.