DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

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CENSUS OF MANUFACTURES: 1914

PENNSYLVANIA

Prepared under the supervision of W. M. STEUART, Chief Statistician for Manufactures

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EXPLANATION OF TERMS.

Scope of census.—Census statistics of manufactures are compiled primarily for the purpose of showing the absolute and relative magnitude of the different branches of industry covered and their growth or decline. Incidentally, the effort is made to present data throwing light upon character of ownership, size of establishments, and similar subjects. When use is made of the statistics for these purposes it is imperative that due attention should be given to their limitations, particularly in connection with any attempt to derive from them figures purporting to show average wages, cost of production, or profits.

The census did not cover establishments which were idle during the entire year or whose products were valued at less than $500, or the manufacturing done in educational, eleemosynary, and penal institutions.

Period covered.—The returns relate to the calendar year 1914, or the business year which corresponded most nearly to that calendar year, and cover a year's operations, except for establishments which began or discontinued business during the year.

The establishment.—As a rule, the term "establishment" represents a single plant or factory, but in some cases it represents two or more plants which were operated under a common ownership or for which one set of books of account was kept. If, however, the plants constituting an establishment as thus defined were not all located within the same city or state, separate reports were secured in order that the figures for each plant might be included in the statistics for the city or state in which it was located. In some instances separate reports were secured for different industries carried on in the same establishment.

Classification by industries.—The establishments were assigned to the several classes of industries according to their products of chief value. The products reported for a given industry may thus, on the one hand, include minor products very different from those covered by the class designation, and, on the other hand, may not include the total product covered by this designation, because some part of this product may be made in establishments in which it is not the product of chief value.

As a rule, the same designation is used for the industry wherever it appears, although all of the products indicated by this designation were not manufactured in the state or city for which these statistics are presented. In some instances the wording is changed so as to more correctly describe the products represented. For a number of industries subclasses are shown which indicate more definitely the kind of products.

Selected industries.—The general tables at the end of this bulletin give the principal facts separately for the industries of the state. A selection has been made of the leading industries of the state for more detailed consideration. Sometimes an industry of greater importance than some of those selected is omitted because it comprises so few establishments that these detailed presentations would reveal the operations of individual concerns.

Comparisons with previous censuses.—Owing to changes in industrial conditions it is not always possible to classify establishments by industries in such a way as to permit accurate comparison with preceding censuses. At the census of 1909 the figures for kindred industries were combined. This practice, as a rule, has been followed in compiling the statistics of 1914 when placed in comparison with those for 1909 and prior years. The comparative summary for 1914, 1909, and 1904, therefore, does not show separately all the industries given for 1914 in the detailed statement for the state.

Influence of increased prices.—In comparing figures for cost of materials, value of products, and value added by manufacture in 1914 and 1909 with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years. To the extent to which this factor has been influential the figures fail to afford an exact measure of the increase in the volume of business.

Persons engaged in the industry.—The following general classes of persons engaged in the manufacturing industries were distinguished: (1) Proprietors and firm members, (2) salaried officers of corporations, (3) superintendents and managers, (4) clerks (including other subordinate salaried employees), and (5) wage earners. In the reports for the censuses of 1904 and 1899 these five classes were shown according to the three main groups: (1) Proprietors and firm members, (2) salaried officials, clerks, etc., and (3) wage earners. In comparative tables covering the census of 1904 it is of course necessary to group the figures according to the classification that was employed at the earlier censuses.

The number of persons engaged in each industry, segregated by sex, and, in the case of wage earners, also by age (whether under 16 or 16 and over), was reported for a single representative day. The 15th of December was selected as representing for most industries normal conditions of employment, but where this date was not a representative day an earlier date was chosen.

In the case of employees other than wage earners the number thus reported for the representative date has been treated as equivalent to the average for the year, since the number of employees of this class does not ordinarily vary much from month to month. In the case of wage earners the average has been obtained in the manner explained in the next paragraph.

In addition to the more detailed report by sex and age of the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, without distinction of sex or age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported for the several months by 12. The average thus obtained approximates the number of wage earners that would be required to perform the work done if all were constantly employed during the entire year. Accordingly, the importance of the industry as an employer of labor is believed to be more accurately measured by this average than by the number employed at any one time or on a given day.

The number of wage earners reported for the representative day, though given in certain tables for each separate industry, is not totaled for all industries combined for any state, because, in view of the variations of date, such a total is believed not to be significant. It would involve more or less duplication of persons working in different industries at different times, would not represent the total number employed in all industries at any one time, and would give an undue weight to seasonal industries as compared with industries in continual operation. This total, however, is shown for the different cities, because the limited area and greater regularity of employment largely overcame the objection incident to its publication for the separate states or the United States.

In particular, totals by sex and age for the wage earners reported for the representative day for all industries combined would be misleading because of the undue weight given to seasonal industries, in some of which, such as canning and preserving, the distribution of the wage earners by sex and age is materially different from that in most industries of more regular operation. In order to determine as nearly as possible the sex and age distribution of the average number of wage earners for a given state as a whole, the per cent distribution by sex and age of the wage earners in each industry for December 15, or the nearest representative day, has been calculated from the actual numbers reported for that date. The percentages thus obtained have been applied to the average number of wage earners for the year in that industry to determine the average number of men, women, and children employed. These calculated averages for the several industries have been added to give the average distribution for each state as a whole and for the entire country.

Salaries and wages.—Under these heads are given the total payments during the year for salaries and wages, respectively. The Census Bureau has not undertaken to calculate the average annual earnings of either salaried employees or wage earners. Such averages would possess little real value, because they would be based on the earnings of employees of both sexes, of all ages, and of widely varying degrees of skill. Furthermore, so far as wage earners are concerned, it would be impossible to calculate accurately even so simple an average as this, since the number of wage earners fluctuates from month to month in every industry, and in some cases to a very great extent. The Census Bureau's figures for wage earners, as already explained, are averages based on the number employed on the 15th of each month and represent the approximate number who would be required to perform the work in any industry if all were continuously employed during the year, whereas the actual number to whom the total wages were paid would be larger.

Prevailing hours of labor.—No attempt was made to ascertain the number of wage earners working a given number of hours per week. The inquiry called merely for the prevailing practice followed in each establishment. Occasional variations in hours in an establishment from one part of the year to another were disregarded, and no attention was paid to the fact that a few wage earners might have hours differing from those of the majority. All the wage earners of each establishment are therefore counted in the class within which the establishment itself falls. In most establishments, however, all or practically all the wage earners work the same number of hours, so that the figures give a substantially correct representation of the hours of labor.

Capital.—The instructions on the schedule for securing data relating to capital were as follows:

"The answer should show the total amount of capital, both owned and borrowed, on the last day of the business year reported. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, that fact should be so stated and only the value of the owned property given. Do not include securities and loans representing investments in other enterprises."

These instructions were identical with those employed at the census of 1909. The data compiled in respect to capital, however, at both censuses, as well as at all preceding censuses of manufactures, have been so defective as to be of little value except as indicating very general conditions. In fact, it has been repeatedly recommended by the census authorities that this inquiry be omitted from the schedule. While there are some establishments whose accounting systems are such that an accurate return for capital could be made, this is not true of the great majority, and the figures therefore do not show the actual amount of capital invested.

Materials.—The statistics as to cost of materials relate to the materials used during the year, which may be more or less than the materials purchased during the year. The term "materials" covers fuel, rent of power and heat, mill supplies, and containers, as well as materials which form a constituent part of the product.

Rent and taxes.—The taxes include internal revenue, corporation income tax, and state, county, and local taxes. In some instances the amount of the corporation tax for 1914 had not been ascertained when the report was prepared and the amount paid for 1913 was therefore given.

Value of products.—The amounts given under this heading represent the selling value or price at the factory of all products manufactured during the year, which may differ from the value of the products sold.

Value added by manufacture.—The value of products is not a satisfactory measure of either the absolute or the relative importance of a given industry, because only a part of this value is actually created by the manufacturing processes carried on in the industry itself. Another part, and often by far the larger one, represents the value of the materials used. For many purposes, therefore, the best measure of the importance of an industry is the value created by the manufacturing operations carried on within the industry. This value is calculated by deducting the cost of the materials used from the value of the products. The figure thus obtained is termed in the census reports "value added by manufacture."

Cost of manufacture and profits.—The census data do not show the entire cost of manufacture, and consequently can not be used for the calculation of profits. No account has been taken of interest or depreciation, rent of offices and buildings other than factory or works, insurance, ordinary repairs, advertising, and other sundry expenses.

Primary horsepower.—This item represents the total primary power generated by the manufacturing establishments plus the amount of power, principally electric, rented from other concerns. It does not cover the power of electric motors taking their current from dynamos driven by primary power machines operated by the same establishment, because the inclusion of such power would obviously result in duplication. The figures for primary horsepower represent the rated capacity of the engines, motors, etc., and not the amount of power in actual daily use, since in most cases an engine or motor is not required to deliver continuously its full rated horsepower.

Fuel.—Statistics of the quantity of fuel used are shown only for anthracite and bituminous coal, coke, oil, and gas. They relate to the quantity used during the year, which may be more or less than the quantity purchased. As only the principal varieties of fuel are shown, no comparison can be made with the total cost of all fuel.

PENNSYLVANIA.

By Edward B. White.

GENERAL STATISTICS.

General character of the state.—Pennsylvania is one of the original thirteen states. With a gross area of 45,126 square miles, of which 44,832 square miles represent land surface, it ranks thirty-second in size among the states. Its inhabitants in 1900 numbered 6,302,115, and in 1910, 7,665,111; and its estimated population in 1914 was 8,246,000. In total population Pennsylvania has ranked second only to New York at each census since and including that of 1830; in density of population it ranked sixth in 1910, with 171 inhabitants per square mile, the corresponding figure for 1900 being 140.6.

The urban population in 1910—that is, the population residing in cities and towns of 2,500 inhabitants or more—was 4,630,669, or 60.4 per cent of the total, as against 54.7 per cent in 1900. There were in the state in 1914, 71 cities and boroughs, each with an estimated population of more than 10,000. These cities and boroughs, whose aggregate population in that year was estimated to represent 49 per cent of the total population of Pennsylvania, reported 63.1 per cent of the value of the state's manufactured products. Philadelphia alone, with 1,658,000, or 20.1 per cent of the estimated total population, reported 27.7 per cent of the total value of products.

The steam-railway mileage in 1914, according to the annual report of the Interstate Commerce Commission, was 11,634, and the electric-railway mileage in 1912 (the latest year for which statistics are available) was 3,898. Water-transportation facilities are afforded by Lake Erie on the northwest and by a number of canals and navigable rivers.

The soil of Pennsylvania, except in the mountains, is fertile and adapted to agriculture and grazing. The total value of farm crops grown in the state in 1909 was $166,739,898, of which $27,330,860 was contributed by corn, $22,920,638, by wheat, and $14,421,972, by oats; and the value of domestic animals sold or slaughtered on farms amounted to $45,305,107. The state ranked thirteenth in that year in total value of farm crops and in total value of domestic animals sold or slaughtered on farms, sixteenth in production of corn, eleventh in that of wheat, and twelfth in that of oats. In value of fruits and nuts grown in 1909, Pennsylvania, with $10,794,157, was outranked by California, New York, and Michigan only.

In mineral production Pennsylvania leads all other states. Its coal beds are the most extensive in the United States, and its anthracite deposits are the largest mined anywhere in the world. The total product of its mines, quarries, and wells in 1914, according to the annual report of the United States Geological Survey, was valued at $452,374,085, of which $188,181,399 was contributed by anthracite and $159,006,296 by bituminous coal. Pennsylvania's combined production of these two kinds of coal in that year represented 46.5 per cent of the quantity and 50.9 per cent of the value of the total output of such minerals in the United States. Except for a small quantity from Colorado, the entire production of anthracite comes from this state.

The value of merchandise imported through the customs district of Philadelphia during the fiscal year 1914 was $96,483,412, and that of merchandise exported was $65,182,514.

Importance and growth of manufactures.—Pennsylvania's manufactured products in 1914 were valued at $2,832,349,437, and the average number of wage earners employed in its manufacturing industries was 924,478. The state ranked second in these two items both in 1914 and 1909. Measured by value, the manufactures of Pennsylvania in 1914 represented 11.7 per cent of the total for the United States, as compared with 12.7 per cent in 1909.

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

The figures in the table show a general increase in the manufacturing activities of the state, but relatively smaller gains in all items from 1909 to 1914 than from 1904 to 1909. The decrease in the number of establishments reported in 1914 is more than accounted for by the decline in the lumber industry. During the interval between censuses, 319 lumber mills either went out of business or were absorbed by larger concerns. The reduction in the number of proprietors and firm members is explained in the comments on Table 5.

Table 1

	MANUFACTURING INDUSTRIES.				PER CENT OF INCREASE.[1]		
	1914	1909	1904	1899	1909-1914	1904-1909	1899-1904
Number of establishments	27,521	27,563	23,495	23,462	−0.2	17.3	0.1
Persons engaged	1,060,562	1,002,171	855,392	(2)	5.8	17.2	.....
Proprietors and firm members	28,034	29,743	26,029	(2)	−5.7	14.3	.....
Salaried employees	108,050	94,885	66,081	43,935	13.9	43.6	50.4
Wage earners (average number)	924,478	877,543	763,282	663,960	5.3	15.0	15.0
Primary horsepower	3,549,858	2,921,547	2,302,398	1,716,694	21.5	26.9	34.1
Capital	$3,149,411,089	$2,749,005,975	$1,995,836,988	$1,449,814,740	14.6	37.7	37.7
Salaries and wages	672,563,002	566,524,032	441,229,897	343,021,028	18.7	28.4	28.6
Salaries	144,610,485	110,897,242	73,269,007	46,145,480	30.4	51.4	58.8
Wages	527,952,517	455,626,790	367,960,890	296,875,548	15.9	23.8	23.9
Paid for contract work	20,604,279	14,582,289	13,344,850	(2)	41.3	9.3	.....
Rent and taxes (including internal revenue)	52,456,012	41,552,086	[3] 13,969,474	(2)	26.2	.....	.....
Cost of materials	1,688,920,716	1,582,559,988	1,142,942,707	958,301,272	6.7	38.5	19.3
Value of products	2,832,349,437	2,626,742,034	1,955,551,332	1,649,882,380	7.8	34.3	18.5
Value added by manufacture (value of products less cost of materials)	1,143,428,721	1,044,182,046	812,608,625	691,581,108	9.5	28.5	17.5

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

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

Table 2

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904
All industries	27,521	924,478	100.0	$2,832,349,437	100.0	$1,143,428,721	100.0	5.3	15.0	15.0	7.8	34.3	18.5	9.5	28.5	17.5
Iron and steel, steel works and rolling mills	178	131,955	14.3	448,106,324	15.8	162,724,240	14.2	4.0	14.4	17.0	−10.4	37.5	9.3	−5.0	36.1	10.6
Foundry and machine-shop products	1,887	91,820	9.9	233,616,370	8.2	124,627,129	10.9	5.8	14.9	.....	10.9	37.4	.....	13.6	30.1	.....
Iron and steel, blast furnaces	52	11,518	1.2	135,806,067	4.8	20,304,678	1.8	−20.7	4.7	−13.7	−19.4	56.9	5.8	−23.4	25.4	−43.6
Cars and general shop construction and repairs by steam-railroad companies	163	54,729	5.9	93,608,049	3.3	44,451,003	3.9	17.3	11.5	46.5	23.1	24.6	41.7	28.3	20.8	43.9
Silk goods, including throwsters	284	44,755	4.8	86,938,554	3.1	38,143,073	3.3	22.7	35.5	28.0	40.1	57.8	26.6	41.8	78.5	34.7
Leather, tanned, curried, and finished	120	11,988	1.3	85,252,532	3.0	16,943,812	1.5	−14.4	−2.8	7.6	9.4	12.2	24.8	−9.9	34.2	6.1
Printing and publishing	2,538	26,909	2.9	84,976,922	3.0	57,498,445	5.0	9.0	10.6	12.2	20.4	28.2	36.4	20.2	22.7	33.7
Slaughtering and meat packing	166	3,687	0.4	65,981,384	2.3	7,707,944	0.7	20.9	20.6	46.7	27.3	56.6	29.6	10.0	47.2	27.6
Woolen, worsted, and felt goods, and wool hats	203	24,461	2.6	64,408,670	2.3	19,927,012	1.7	−10.8	13.0	−1.5	−16.8	38.5	14.7	−12.7	22.1	7.4
Hosiery and knit goods	498	41,130	4.4	64,153,449	2.3	26,397,148	2.3	7.7	35.6	30.5	29.2	61.2	40.5	17.6	51.9	34.4
Tobacco manufactures	2,194	37,370	4.0	54,213,048	1.9	30,058,796	2.6	12.6	7.9	21.5	8.1	22.7	24.9	2.1	18.0	20.4
Bread and other bakery products	2,987	15,157	1.6	54,139,906	1.9	22,454,532	2.0	24.0	11.5	48.2	18.1	37.4	60.6	21.2	31.6	44.6
Petroleum, refining	48	4,902	0.5	52,875,101	1.9	8,490,607	0.7	69.0	−31.4	28.1	−0.4	11.9	35.7	50.3	33.8	14.4
Liquors, malt	215	7,512	0.8	50,362,792	1.8	34,660,271	3.0	3.8	23.4	30.2	5.6	36.9	19.5	−1.3	37.2	13.5
Lumber and timber products	2,348	21,297	2.3	49,948,523	1.8	25,690,454	2.2	−20.7	−1.0	12.4	−13.1	1.3	5.2	−14.8	−7.1	12.1
Sugar, refining, not including beet sugar	3	1,741	0.2	45,936,147	1.6	3,837,749	0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Electrical machinery, apparatus, and supplies	105	14,866	1.6	44,395,789	1.6	27,155,769	2.4	34.8	17.2	20.3	41.6	19.4	37.4	52.4	10.6	92.4
Flour-mill and gristmill products	1,265	2,595	0.3	43,626,356	1.5	6,529,474	0.6	6.7	−7.6	33.9	−2.6	16.3	30.3	−1.3	24.4	12.9
Coke, not including gas-house coke	108	9,871	1.1	42,996,443	1.5	13,176,406	1.2	−35.6	51.0	9.4	−17.0	79.1	29.8	−27.0	29.5	31.5
Clothing, men's, including shirts	699	21,126	2.3	40,370,330	1.4	20,005,740	1.7	−10.6	34.4	2.2	1.7	25.1	5.5	0.9	31.3	3.1
Glass	103	23,606	2.6	39,797,822	1.4	24,256,117	2.1	−0.4	14.0	7.1	21.3	18.6	25.7	20.2	10.0	17.8
Cars, steam-railroad, not including operations of railroad companies	12	9,955	1.1	39,831,095	1.4	10,454,404	0.9	28.2	42.2	−6.5	44.8	41.6	0.9	22.9	51.7	−20.7
Clothing, women's	483	17,217	1.9	37,059,174	1.3	16,716,783	1.5	9.7	80.7	4.6	12.9	117.7	29.0	13.9	104.4	32.4
Tin plate and terneplate	13	2,368	0.3	36,795,990	1.3	4,862,109	0.4	0.9	−3.1	53.4	45.8	30.5	54.4	108.1	33.3	−19.2
Cotton goods, including cotton small wares	155	14,640	1.6	32,400,446	1.1	14,836,918	1.3	−10.1	6.7	−10.3	−4.5	29.0	3.3	−2.1	26.6	2.4
Cement	26	7,910	0.9	29,080,593	1.0	13,253,558	1.2	−2.1	24.1	.....	54.2	84.2	.....	51.5	48.9	.....
Boots and shoes, including cut stock and findings	146	13,414	1.5	28,989,470	1.0	11,562,111	1.0	24.0	20.4	−2.8	43.4	35.8	7.6	41.8	36.4	16.1
Paper and wood pulp	53	7,447	0.8	25,439,346	0.9	9,392,789	0.8	11.9	12.7	22.0	28.0	29.0	25.6	10.8	22.8	17.1
Furniture and refrigerators	324	12,088	1.3	25,154,840	0.9	13,384,521	1.2	21.8	23.3	22.1	32.7	48.3	26.9	35.0	35.1	32.3
Brick, tile, pottery, and other clay products	377	18,976	2.1	24,466,846	0.9	15,739,520	1.4	11.2	5.1	4.0	9.7	23.6	28.1	(2)	16.3	29.0
Carpets and rugs, other than rag	63	9,569	1.0	23,099,647	0.8	8,634,107	0.8	−16.9	−16.1	6.2	−7.2	−8.3	17.3	−15.6	−1.8	11.5
Chemicals	39	4,748	0.5	22,387,835	0.8	9,772,454	0.9	49.1	−5.6	.....	40.1	35.7	.....	69.1	28.1	.....
Iron and steel, wrought pipe	12	3,990	0.4	17,776,655	0.6	4,274,631	0.4	3.0	27.1	−17.1	−2.8	90.1	−37.5	.1	74.3	−35.5
Gas, illuminating and heating	99	2,796	0.3	16,745,216	0.6	10,305,081	0.9	−10.4	8.2	−8.3	5.7	46.5	37.3	−12.2	53.2	62.4
Copper, tin, and sheet-iron products	431	6,818	0.7	16,686,372	0.6	7,535,044	0.7	(2)	35.7	36.6	−3.0	77.5	35.6	−9.7	76.2	35.3
Confectionery	281	6,465	0.7	16,667,797	0.6	6,568,341	0.6	19.5	14.4	11.3	23.1	34.4	34.6	23.0	27.4	31.5
Paint and varnish	114	2,643	0.3	16,004,616	0.6	5,604,723	0.5	32.7	9.5	0.2	14.2	20.5	3.0	16.3	34.9	−24.1
Liquors, distilled	71	771	0.1	15,950,605	0.6	12,406,749	1.1	6.5	32.4	16.1	11.0	193.1	−8.5	10.2	330.6	−31.0
Butter, cheese, and condensed milk	387	1,309	0.1	15,687,299	0.6	2,670,417	0.2	11.2	−3.4	24.8	15.8	17.0	12.5	42.8	−2.9	22.0

[1] Percentages are based on figures in Table 58; a minus sign (−) denotes decrease; percentages are omitted where the base is less than 100, or where comparable figures can not be given.

Table 2—Continued.

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904
Dyeing and finishing textiles	150	6,389	0.7	$15,451,576	0.5	$6,995,888	0.6	.5.0	32.7	−2.8	28.1	77.7	−3.6	4.0	64.7	5.7
Canning and preserving	84	3,096	0.3	14,949,551	0.5	7,410,126	0.6	12.5	24.3	0.8	57.6	17.6	33.5	53.8	19.5	29.6
Patent medicines and compounds and druggists' preparations	324	2,833	0.3	14,721,331	0.5	8,247,755	0.7	2.6	18.8	0.3	16.3	33.8	5.8	12.3	36.7	3.9
Chocolate and cocoa products	7	1,756	0.2	12,342,217	0.4	4,796,211	0.4	103.5	145.9	185.4	156.5	125.4	105.4	158.4	149.5	340.2
Oil, not elsewhere specified	38	477	0.1	12,272,896	0.4	4,735,350	0.4	23.6	53.2	44.8	18.4	2.5	73.4	18.3	−24.8	38.8
Carriages and wagons and materials	687	6,370	0.7	12,261,637	0.4	6,819,802	0.6	−15.0	0.5	16.6	−3.8	10.9	9.9	−3.2	6.8	6.2
Rubber goods, not elsewhere specified	19	3,172	0.3	12,176,847	0.4	4,877,595	0.4	163.2	.....	.....	159.8	.....	.....	237.6	.....	.....
Hats, fur-felt	27	6,714	0.7	11,040,820	0.4	7,152,290	0.6	−7.0	56.3	59.8	−15.2	77.2	73.2	−10.7	73.3	94.5
Marble and stone work	602	7,166	0.8	10,631,294	0.4	6,810,444	0.6	−22.6	100.8	42.4	−8.1	72.4	24.9	−13.2	67.8	45.3
Soap	50	1,159	0.1	10,098,393	0.4	3,496,991	0.3	−3.2	1.1	.....	10.7	31.1	92.6	10.1	9.4	91.1
Automobiles, including bodies and parts	80	3,083	0.3	10,084,083	0.4	4,525,602	0.4	−3.6	465.2	843.3	54.4	432.8	1,138.4	82.4	297.0	819.1
Brass, bronze, and copper products	107	1,940	0.2	9,779,626	0.3	2,656,413	0.2	−6.7	22.7	−4.8	15.7	.....	.....	−6.8	.....	.....
Shipbuilding, including boat building	33	4,773	0.5	9,539,865	0.3	4,742,590	0.4	34.1	−45.4	−8.0	54.4	−40.2	−28.7	36.8	−32.6	−29.7
Confectionery (ice cream)	376	1,677	0.2	8,171,198	0.3	3,272,940	0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stoves and furnaces, including gas and oil stoves	77	4,111	0.4	8,039,926	0.3	5,091,721	0.4	−2.1	−10.3	.....	8.5	−3.7	.....	3.1	−8.5	.....
Food preparations, not elsewhere specified	131	1,512	0.2	7,291,254	0.3	2,481,752	0.2	27.6	34.8	.....	49.9	52.8	.....	33.5	34.0	.....
Oilcloth and linoleum, floor	5	1,803	0.2	7,165,362	0.3	2,518,459	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cordage and twine and jute goods	28	2,678	0.3	6,776,207	0.2	1,719,044	0.2	26.4	−5.1	−16.8	41.0	−6.5	−29.2	−4.7	21.1	−17.6
Coffee and spice, roasting and grinding	77	586	0.1	6,967,154	0.2	1,958,483	0.2	44.0	1.5	.....	22.5	110.9	.....	47.4	51.8	.....
Leather goods	280	2,738	0.3	6,758,088	0.2	3,269,135	0.3	8.5	0.1	5.3	16.0	13.0	28.9	22.4	6.4	18.4
Iron and steel, bolts, nuts, washers, and rivets	25	2,547	0.3	6,562,382	0.2	2,417,654	0.2	17.9	22.2	−9.2	28.2	64.2	−11.0	18.8	62.5	−10.1
Boxes, fancy and paper	133	5,140	0.6	6,545,932	0.2	3,568,601	0.3	11.6	10.2	21.4	26.3	32.7	30.8	23.3	29.8	29.2
Cutlery and tools, not elsewhere specified	101	3,504	0.4	6,486,431	0.2	3,582,336	0.3	−17.6	13.8	75.6	−19.1	37.9	55.5	−22.0	23.2	67.9
Millinery and lace goods	114	3,585	0.4	6,272,893	0.2	3,393,112	0.3	−15.3	102.7	120.8	−7.4	145.4	76.4	12.5	136.4	65.3
Fertilizers	47	1,110	0.1	6,177,610	0.2	2,007,431	0.2	−9.3	27.8	25.2	−5.6	59.8	12.4	4.0	60.3	13.6
Explosives	33	1,037	0.1	6,003,048	0.2	1,896,008	0.2	0.4	15.2	42.6	−6.0	59.2	54.6	−17.6	53.6	36.7
Ice, manufactured	189	2,124	0.2	5,194,493	0.2	3,741,459	0.3	32.3	29.9	32.9	7.7	64.3	44.0	4.0	61.7	35.1
Iron and steel forgings	43	2,205	0.2	5,166,761	0.2	2,453,681	0.2	−4.6	47.4	12.6	−11.8	76.1	−1.3	−9.4	71.8	10.7
Cooperage and wooden goods, not elsewhere specified	125	1,643	0.2	5,160,253	0.2	1,726,414	0.2	0.8	9.0	12.8	11.5	16.5	23.7	5.2	5.6	31.4
Mineral and soda waters	482	1,151	0.1	5,078,746	0.2	2,848,463	0.2	18.9	6.5	.....	26.2	43.4	.....	8.9	41.1	.....
Steam packing	34	1,637	0.2	5,002,709	0.2	2,298,091	0.2	−2.4	40.1	82.7	0.3	22.9	119.0	14.6	−15.7	132.6
Furnishing goods, men's	80	2,138	0.2	4,975,486	0.2	1,826,516	0.2	43.8	2.1	.....	9.0	44.0	.....	8.0	41.3	.....
Agricultural implements	38	2,618	0.2	4,843,655	0.2	2,936,361	0.3	−16.0	0.3	53.1	0.8	−4.2	56.9	−7.8	−7.4	49.6
Roofing materials	17	566	0.1	4,602,466	0.2	1,674,047	0.1	−7.2	.....	.....	37.7	.....	.....	47.0	.....	.....
Paper goods, not elsewhere specified	32	1,408	0.2	4,557,891	0.2	1,872,727	0.2	3.8	116.4	48.6	22.6	.....	.....	25.3	.....	.....
Umbrellas and canes	45	2,141	0.2	4,469,659	0.2	1,506,326	0.1	−7.5	−15.4	−3.3	−11.6	−1.4	−12.6	−21.2	5.4	−25.2
Dental goods	45	1,645	0.2	4,362,422	0.2	2,185,916	0.2	53.5	20.9	40.8	58.9	17.5	27.8	53.9	53.2	9.3
Wall paper, not made in paper mills	12	1,287	0.1	4,152,855	0.1	1,567,930	0.1	21.9	9.7	4.6	12.4	22.2	4.5	13.1	11.2	19.1
Lime	265	3,128	0.3	3,948,018	0.1	2,554,693	0.2	−4.0	37.7	.....	18.1	32.9	.....	10.9	31.6	.....
Cork, cutting	10	1,787	0.2	3,721,515	0.1	1,627,483	0.1	3.5	−14.8	31.7	25.5	−6.6	45.2	25.6	−5.7	28.7
Coffins, burial cases, and undertakers' goods	32	1,382	0.2	3,671,698	0.1	1,666,360	0.1	25.3	27.1	30.3	33.2	38.6	63.8	41.0	20.1	56.4
Smelting and refining, not from the ore	15	177	(-)	3,611,861	0.1	293,920	(2)	−14.1	−14.2	12.7	1.0	29.8	9.3	−50.9	26.1	4.2
Paving materials	111	2,267	0.2	3,574,002	0.1	2,100,527	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glass, cutting, staining, and ornamenting	104	2,002	0.2	3,443,910	0.1	1,756,960	0.2	−5.6	10.1	.....	−7.6	21.7	.....	−11.1	15.9	.....
Cars and general shop construction and repairs by electric-railroad companies	92	2,972	0.3	3,421,052	0.1	2,277,982	0.2	21.7	107.7	17.0	24.5	118.2	1.1	37.8	113.0	19.6
Wood distillation	46	1,185	0.1	3,417,199	0.1	1,199,611	0.1	27.0	−25.3	.....	15.4	−4.3	.....	−6.0	−7.8	.....
Wirework, including wire rope and cable, not elsewhere specified	59	1,179	0.1	3,409,050	0.1	1,353,359	0.1	21.8	−27.9	.....	11.0	−12.6	.....	9.7	−1.1	.....
Waste	31	529	0.1	3,285,380	0.1	739,243	0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grease and tallow, not elsewhere specified	50	590	0.1	3,129,735	0.1	797,540	0.1	17.5	27.1	.....	−6.1	28.5	.....	−27.7	29.0	.....
Mattresses and spring beds	74	986	0.1	3,063,127	0.1	1,323,542	0.1	32.3	0.7	−4.1	37.8	11.0	6.7	48.7	−0.2	21.9
Gas and electric fixtures and lamps and reflectors	61	1,327	0.1	2,863,531	0.1	1,530,506	0.1	−10.5	9.9	−0.3	−3.3	16.5	1.2	−11.2	0.9	17.2
Wool pulling	8	242	(2)	2,671,891	0.1	596,970	0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wood preserving	3	181	(2)	2,557,436	0.1	180,535	(2)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Springs, steel, car and carriage, not made in steel works and rolling mills	17	749	0.1	2,457,683	0.1	1,038,669	0.1	−30.6	65.1	.....	−33.8	62.6	.....	−31.8	31.4	.....

[1] Percentages are based on figures in Table 54; a minus sign (−) denotes decrease; percentages are omitted where the base is less than 100, or where comparable figures can not be given.

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

Table 2—Continued.

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904	1904-1914	1904-1909	1899-1904
Minerals and earths, ground	56	822	0.1	$2,280,939	0.1	$1,147,261	0.1	34.3	85.5	.....	200.4	22.4	.....	143.0	32.2	.....
Boxes, cigar	63	1,693	0.2	2,123,876	0.1	915,676	0.1	−6.0	13.6	35.5	−8.8	23.9	21.0	−14.9	25.7	33.1
Stationery goods, not elsewhere specified	16	697	0.1	2,117,525	0.1	1,062,024	0.1	67.1	−12.4	.....	81.2	14.6	.....	93.4	25.6	.....
Musical instruments, pianos and organs and materials	28	922	0.1	2,083,727	0.1	1,025,836	0.1	−22.0	17.3	42.6	−12.5	35.6	18.1	−9.5	2.1	27.0
Signs and advertising novelties	52	780	0.1	2,082,672	0.1	1,167,564	0.1	60.2	.....	.....	36.6	.....	.....	57.2	.....	.....
Glue, not elsewhere specified	8	519	0.1	2,028,762	0.1	610,511	0.1	2.6	−20.2	.....	−0.9	2.5	.....	9.3	−1.6	.....
Optical goods	37	854	0.1	2,023,031	0.1	1,221,616	0.1	47.5	64.5	−17.0	90.3	125.7	−8.0	102.9	90.5	−0.3
All other industries	2,256	50,470	5.4	141,492,380	5.0	65,144,010	5.7	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 58; a minus sign (−) denotes decrease; percentages are omitted where the base is less than 100, or where comparable figures can not be given.

Separate statistics are presented for 100 industries, or industry groups, for each of which products valued at more than $2,000,000 were reported in 1914.

These industries include 3 with products exceeding $100,000,000 in value, 11 with products between $50,000,000 and $100,000,000, 15 with products between $25,000,000 and $50,000,000, 21 with products between $10,000,000 and $25,000,000, 20 with products between $5,000,000 and $10,000,000, and 30 with products between $2,000,000 and $5,000,000.

In addition to the industries presented separately in the above table, there were 5 other industries in the state which reported products in 1914 to the value of $2,000,000 but less than $5,000,000, 1 with products valued at $5,000,000 but less than $10,000,000, and 2 with products valued at $10,000,000 but less than $25,000,000. Among these industries are aluminum ware; bags, other than paper; electric-railroad cars, not including operations of railroad companies; locomotives, not made by railroad companies; saws; smelting and refining, zinc; sporting and athletic goods; and wire. These industries are included under the head of "all other industries," as the statistics for them can not be shown separately without the possibility of disclosing the operations of individual establishments.

The industries in this table are arranged in the order of their importance as measured by value of products, but the arrangement would vary considerably from that given if based on average number of wage earners or value added by manufacture. For the five leading industries—steel works and rolling mills; foundries and machine shops; blast furnaces; steam-railroad repair shops; and the manufacture of silk goods, including throwsters—the rank for each item is practically the same, except that blast furnaces ranks twentieth in wage earners, but thirteenth in value added by manufacture. This industry consists largely of plants connected with steel works and rolling mills, to which they transfer intermediate products at an arbitrary price.

The nine industries with products between $50,000,000 and $100,000,000 vary considerably as to rank in the three items shown. This is due largely to the character of the industries.

Of the more important industries shown in this table, steel works and rolling mills, foundries and machine shops, and blast furnaces held the same rank at both censuses. Steam-railroad repair shops; the manufacture of silk goods, including throwsters; the tanning and finishing of leather; and printing and publishing, ranking fourth, fifth, sixth, and seventh, respectively, in 1914, were sixth, eighth, fourth, and seventh, respectively, in 1909. For many of the remaining industries changes from census to census are noticeable.

Some of the most important of the industries listed in the preceding table, together with certain groups of industries, formed by combining two or more of those shown in the table, are given special consideration, as follows:

Iron and steel.—Steel works and rolling mills and blast furnaces ranked, respectively, first and third among the industries of the state. For convenience these two industries, together with the manufacture of tin plate and terneplate, may be considered as one group. The three allied industries gave employment in 1914 to an average of 145,841 wage earners, and manufactured products valued at $620,708,381, or 15.8 per cent and 21.9 per cent of the respective totals for all manufactures.

These figures represent an increase over 1909 of 2,063, or 1.4 per cent, in number of wage earners, and a decrease of $73,448,000, or 10.6 per cent, in value of products. This decrease is due in part to the depression in the steel industry in the latter part of the year 1914, when the numerical strength of wage earners was maintained by short-time work, resulting in a smaller output.

Textiles.—This classification includes the manufacture of silk goods, including throwsters; woolen,

worsted, and felt goods, and wool hats; hosiery and knit goods; cotton goods, including cotton small wares; carpets and rugs, other than rag; dyeing and finishing textiles; fur-felt hats; cordage and twine and jute and linen goods; and wool shoddy. Considered as a unit, the textile industry ranks second among the manufacturing industries of the state, when measured by value of products. The nine allied industries, representing 1,424 establishments, gave employment in 1914 to an average of 150,663 wage earners, or 16.3 per cent, of the total number engaged in the manufactures of the state; and their production was valued at $305,507,596, or 10.8 per cent of the total manufactures. The number of wage earners reported in 1914 was an increase of 4,901, or 3.4 per cent, over 1909; and the increase in the value of products was $25,608,000, or 9.1 per cent.

Foundry and machine-shop products.—This industry includes automobile repairing; the manufacture of steam, gas, and water engines; gas machines and gas and water meters; hardware; saddlery hardware; cast-iron pipe; plumbers' supplies; steam and other power pumps; steam fittings and steam and hot-water heating apparatus; and structural ironwork.

This group, which ranks second in value of products among the industries as shown in the table, is of greater importance than is indicated by the statistics reported under this specific title, for the reason that some machine shops manufacture special products, such as locomotives, electrical machinery, adding machines, cash registers, and sewing machines, which are assigned to other classifications. The production of the foundries and machine shops in 1914 was valued at $233,616,370, or 8.2 per cent of the manufactures of the state, and the industry gave employment to 91,820 wage earners, or 9.9 per cent of the total. During the five-year period 1909–1914 the average number of wage earners increased by 5.8 per cent and the value of products by 10.9 per cent.

Leather, tanned, curried, and finished.—Measured by value of products this industry ranked sixth in 1914, as compared with fourth in 1909. In average number of wage earners it held nineteenth place in 1914 and sixteenth in 1909. There was an increase of 9.4 per cent in value of products from 1909 to 1914, but a decrease of 14.4 per cent in the number of wage earners and of 9.4 per cent in the value added by manufacture.

Printing and publishing.—Under this head are included the printing and publishing of books, newspapers, periodicals, and music, job printing, bookbinding and blank-book making, steel engraving, and lithographing. This group ranked seventh as measured by value of products and in average number of wage earners in 1914. In 1909 the rank in these items was seventh and ninth, respectively. The progress of the industry during the last five years is consistent with the growth shown at former census periods. The increase from 1909 to 1914 was 20.4 per cent in value of products, 20.2 per cent in value added by manufacture, and 9 per cent in number of wage earners.

Clothing.—The manufacture of men's clothing, including shirts, and that of women's clothing are included under this designation. The combined industries manufactured products to the value of $77,429,504 and furnished employment to 38,343 wage earners in 1914.

Slaughtering and meat packing.—This classification includes establishments doing wholesale slaughtering and meat packing and those engaged in the manufacture of sausage only. It does not include the numerous slaughterhouses killing for the retail trade, which in the aggregate slaughter a large number of animals.

This industry, measured by value of products, ranked eighth in 1914, as compared with eleventh in 1909, and shows an increase of 27.3 per cent over 1909. The value added by manufacture and the number of wage earners employed in this industry are proportionately less than in most of the other industries. This may be explained by the relatively high cost of material and the fact that fewer employees are required in the operations involved.

Tobacco manufactures.—This industry includes establishments engaged in the manufacture of chewing and smoking tobacco and snuff, and cigars and cigarettes. The decrease of 238 establishments from 1909 to 1914 was confined largely to the small cigar factories. The average number of wage earners, however, increased from 33,188 in 1909 to 37,370 in 1914, or 12.6 per cent, while the value of products increased during the same time from $50,161,000 to $54,213,000, or 8.1 per cent.

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

In 1914 the number of persons engaged in manufactures was 1,060,562, of whom 924,478, or nearly nine-tenths, were wage earners; 53,381 were proprietors and officials; and 82,703 were clerks and other subordinate salaried employees. While males predominated in the main classes, females constituted more than one-fifth of the total wage earners and of clerks

and other salaried employees. Wage earners under 16 years of age numbered 27,009, of whom 53.6 per cent were females. Corresponding figures for individual industries will be found in Table 32.

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Total.	Male.	Female.	Per cent of total. Male.	Female.
All classes	1914	1,060,562	844,300	216,262	79.6	20.4
	1909	1,002,171	802,548	199,623	80.1	19.9
Proprietors and officials	1914	53,381	51,761	1,620	97.0	3.0
	1909	54,696	52,951	1,745	96.8	3.2
Proprietors and firm members	1914	28,034	26,916	1,118	96.0	4.0
	1909	29,743	28,550	1,193	96.0	4.0
Salaried officers of corporations	1914	8,588	8,372	216	97.5	2.5
	1909	8,410	8,286	124	98.5	1.5
Superintendents and managers	1914	16,759	16,473	286	98.3	1.7
	1909	16,543	16,115	428	97.4	2.6
Clerks and other subordinate salaried employees.	1914	82,703	64,959	17,744	78.5	21.5
	1909	69,932	55,703	14,229	79.7	20.3
Wage earners (average number)	1914	924,478	727,580	196,898	78.7	21.3
	1909	877,543	693,894	183,649	79.1	20.9
16 years of age and over	1914	897,469	715,044	182,425	79.7	20.3
	1909	848,436	679,831	168,605	80.1	19.9
Under 16 years of age	1914	27,009	12,536	14,473	46.4	53.6
	1909	29,107	14,063	15,044	48.3	51.7

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

This table shows an increase during the five-year period for each of the several classes of persons engaged in manufactures, except proprietors and firm members and wage earners under 16 years of age. The increases, however, were relatively less for males than for females.

The largest percentage of increase for both sexes combined, 18.3, is shown for clerks and other subordinate salaried employees, in which class females increased 24.7 per cent, while males increased 16.6 per cent. Wage earners 16 years of age and over, representing 84.6 per cent of the total number of persons engaged in manufacturing industries in the state in 1914, increased 5.8 per cent over 1909.

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

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Per cent of increase,[1] 1909–1914. Total.	Male.	Female.	Per cent distribution. Total. 1914	Total. 1909	Male. 1914	Male. 1909	Female. 1914	Female. 1909
All classes	5.8	5.2	8.3	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	−2.4	−2.2	−7.2	5.0	5.4	6.1	6.6	0.7	0.9
Proprietors and firm members	−5.7	−5.7	−6.3	2.6	3.0	3.2	3.6	0.5	0.6
Salaried officers of corporations	2.1	1.0	74.2	0.8	0.8	1.0	1.0	0.1	0.1
Superintendents and managers	1.3	2.2	−33.2	1.6	1.6	1.9	2.0	0.1	0.2
Clerks and other subordinate salaried employees	18.3	16.6	24.7	7.8	7.0	7.7	6.9	8.2	7.1
Wage earners (average number)	5.3	4.9	7.2	87.2	87.6	86.2	86.5	91.0	92.0
16 years of age and over	5.8	5.2	8.2	84.6	84.7	84.7	84.7	84.3	84.5
Under 16 years of age	−7.2	−10.9	−3.8	2.5	2.9	1.5	1.8	6.7	7.5

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

Table 5

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Number. 1914	1909	1904	Per cent distribution. 1914	1909	1904	Per cent of increase.[1] 1909–1914	1904–1909
Total	1,060,562	1,002,171	855,392	100.0	100.0	100.0	5.8	17.2
Proprietors and firm members	28,034	29,743	26,029	2.6	3.0	3.0	−5.7	14.3
Salaried employees	108,050	94,885	66,081	10.2	9.5	7.7	13.9	43.6
Wage earners (average)	924,478	877,543	763,282	87.2	87.6	89.2	5.3	15.0

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

During the decade ending with 1914, salaried employees formed an increasing proportion of the total number of persons in the state engaged in manufactures, and each of the other two classes a decreasing proportion. The decrease of 5.7 per cent in the number of proprietors and firm members is due in part to the reduction in the number of establishments operating in 1914. Many of the small lumber mills, flour mills, bakeries, tobacco factories, and butter and cheese factories, which reported in 1909, were owned by individuals or firms. A considerable number of these discontinued operations between censuses or became incorporated companies, and their owners, reported in 1909 as proprietors and firm members, were at the later census classed as salaried employees.

The average number of wage earners employed and their per cent distribution as males 16 years of age and over, females 16 years of age and over, and children under 16 years of age are given in Table 6, for 1914, 1909, and 1904.

The table also shows, for some of the important industries separately, a similar distribution of wage earners for 1914 and 1909.

Table 6

INDUSTRY.	Census year.	WAGE EARNERS. Average number.[1]	Per cent of total. 16 years of age and over. Male.	Per cent of total. 16 years of age and over. Female.	Per cent of total. Under 16 years of age.
All industries	1914	924,478	77.3	19.7	2.9
	1909	877,543	77.5	19.2	3.3
	1904	763,282	77.9	17.6	4.5
Automobiles, including bodies and parts	1914	3,083	98.8	0.5	0.7
	1909	3,199	99.2	0.5	0.3
Boots and shoes, including cut stock and findings.	1914	13,414	60.5	33.5	6.0
	1909	10,822	58.5	34.4	7.1
Boxes, fancy and paper	1914	5,140	29.1	59.4	11.6
	1909	4,604	27.4	59.6	12.9
Bread and other bakery products	1914	15,157	82.9	15.2	1.9
	1909	12,221	81.6	14.6	3.8
Brick, tile, pottery, and other clay products.	1914	18,976	96.0	2.5	1.5
	1909	17,061	94.5	3.2	2.3
Canning and preserving	1914	3,096	49.4	46.4	4.2
	1909	2,753	51.6	44.7	3.7
Carpets and rugs, other than rag	1914	9,569	64.7	31.9	3.3
	1909	11,510	59.9	35.0	5.1
Carriages and wagons and materials	1914	6,370	99.1	0.3	0.6
	1909	7,498	98.4	0.4	1.1
Cars and general shop construction and repairs by steam-railroad companies.	1914	54,729	99.7	0.3	(2)
	1909	46,645	99.8	0.2	0.1
Cars, steam-railroad, not including operations of railroad companies.	1914	9,955	99.7	0.3	(2)
	1909	7,766	99.9	0.1	0.1
Cement	1914	7,910	99.5	(2)	0.5
	1909	8,080	99.6	(2)	0.4
Chemicals	1914	4,748	86.2	11.4	2.4
	1909	3,185	96.6	3.4	0.1
Clothing, men's, including shirts	1914	21,126	32.1	64.0	3.9
	1909	23,623	33.1	62.5	4.4
Clothing, women's	1914	17,217	29.9	68.8	1.3
	1909	15,701	30.1	68.2	1.7
Coke, not including gas-house coke	1914	9,871	99.1	(2)	0.9
	1909	15,331	100.0	(2)	(2)
Confectionery	1914	6,465	35.9	57.0	7.1
	1909	5,408	34.3	57.9	7.8
Copper, tin, and sheet-iron products	1914	6,818	85.2	11.9	2.9
	1909	6,815	89.7	7.1	3.1
Cotton goods, including cotton small wares.	1914	14,640	44.7	48.3	7.0
	1909	16,293	43.9	49.3	6.8
Cutlery and tools	1914	3,504	95.8	2.7	1.5
	1909	4,250	95.4	3.1	1.6
Dyeing and finishing textiles	1914	6,389	86.0	11.7	2.3
	1909	6,086	84.1	12.1	3.8
Electrical machinery, apparatus, and supplies.	1914	14,866	87.5	11.8	0.8
	1909	11,025	84.9	14.5	0.6
Foundry and machine-shop products	1914	91,820	97.9	1.3	0.9
	1909	86,821	97.9	1.1	1.0
Furniture and refrigerators	1914	12,088	95.7	3.0	1.2
	1909	9,924	96.0	2.1	1.9
Glass	1914	23,606	89.1	5.5	5.4
	1909	23,710	88.2	5.3	6.5
Hats, fur-felt	1914	6,714	73.6	22.0	4.5
	1909	7,220	69.5	25.3	5.2
Hosiery and knit goods	1914	41,130	21.0	69.5	9.4
	1909	38,206	19.3	69.5	11.2
Iron and steel, blast furnaces	1914	11,518	99.9	(2)	(2)
	1909	14,521	99.9	.....	0.1
Iron and steel, steel works and rolling mills.	1914	131,955	99.1	0.3	0.5
	1909	126,911	98.9	0.2	0.8
Iron and steel, wrought pipe	1914	3,990	100.0	.....	(2)
	1909	3,873	99.8	.....	0.2
Leather, tanned, curried, and finished	1914	11,988	95.0	4.2	0.9
	1909	14,008	94.0	4.6	1.4
Lime	1914	3,128	99.9	(2)	0.1
	1909	3,258	99.9	.....	0.1
Liquors, malt	1914	7,512	99.7	0.2	0.1
	1909	7,234	99.7	0.2	0.1
Lumber and timber products	1914	21,297	98.1	0.9	1.1
	1909	26,873	98.5	0.4	1.1
Marble and stone work	1914	7,166	99.5	0.1	0.4
	1909	9,264	99.2	0.1	0.7
Millinery and lace goods, not elsewhere specified.	1914	3,585	20.1	77.7	2.2
	1909	4,235	14.4	78.2	7.4
Paper and wood pulp	1914	7,447	92.2	7.6	0.2
	1909	6,656	88.6	10.9	0.5
Petroleum, refining	1914	4,902	98.9	0.6	0.4
	1909	2,900	99.0	0.4	0.6
Printing and publishing	1914	26,909	72.9	23.5	3.6
	1909	24,696	73.7	22.8	3.6
Rubber goods, not elsewhere specified	1914	3,172	85.9	12.2	1.8
	1909	1,205	80.3	16.3	3.4
Shipbuilding, including boat building	1914	4,773	98.6	0.3	1.1
	1909	3,558	98.5	0.2	1.3
Silk goods, including throwsters	1914	44,755	29.6	57.9	12.5
	1909	36,469	26.2	60.0	13.8
Slaughtering and meat packing	1914	3,687	97.0	2.6	0.4
	1909	3,050	99.1	0.7	0.2
Stoves and furnaces, including gas and oil stoves.	1914	4,111	98.5	0.6	0.9
	1909	4,198	98.4	0.6	1.0
Tobacco manufactures	1914	37,370	36.5	60.4	3.1
	1909	33,188	45.0	52.4	2.6
Woolen, worsted, and felt goods, and wool hats.	1914	24,461	44.4	47.0	8.6
	1909	27,409	44.3	46.2	9.5
All other industries	1914	132,351	79.8	17.4	2.7
	1909	118,280	79.0	17.7	3.3

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

During the decade 1904–1914 there was little change in the proportion which men formed of the total wage earners employed. The proportion of females, however, increased from 17.6 per cent of the total in 1904 to 19.7 per cent in 1914. Children under 16 years formed a decreasing proportion from census to census.

In a majority of the 45 industries shown in Table 6 males 16 years of age and over predominated, but women formed the greater proportion of the total wage earners employed in the more important of the textile industries, in the manufacture of men's and women's clothing, millinery, fancy and paper boxes, confectionery, and in the tobacco factories. In the canneries women and children combined outnumbered the men.

Although fewer children were employed in 1914 than in 1909, they represent a considerable proportion of the wage earners engaged in the manufacture of cotton, silk, woolen, and worsted goods, hosiery and knit goods, fancy and paper boxes, glass, and confectionery.

Table 7 shows the average number and the per cent distribution of wage earners employed in 63 of the 71 cities having more than 10,000 inhabitants, classified according to age periods, and in the case of those 16 years of age and over, according to sex, for 1914, 1909, and 1904.

Statistics for the following boroughs are included under "all other cities" in order to avoid disclosing individual operations: Coatesville, Dickson City, Duquesne, Farrell (formerly South Sharon), Monessen, North Braddock, Old Forge, and Steelton.

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

The proportion of male wage earners 16 years of age and over exceeds that of females in all except eight of the cities. Most of the cities show decreases from census to census in the proportion of adult females and children under 16 years of age employed as wage earners.

In Philadelphia, by far the most important city of the state in the number of wage earners employed, males 16 years of age and over formed 66 per cent of the total number of wage earners reported in 1914 and 66.5 per cent in 1909. There were 76,822 adult female wage earners reported in 1914, an increase of 4 per cent over the number employed in 1909, while the children reported showed a decrease of 17.3 per cent for the census period.

The highest percentage of increase during the last five-year period in total number of wage earners, 131.6, is shown for Uniontown; the next highest, 117.2, for Nanticoke; and the third highest, 96.3, for Shenandoah.

Table 7 — AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.

City.	Total.			16 years of age and over.						Under 16 years of age.			Per cent of total.								
				Male.			Female.						16 years of age and over.						Under 16 years of age.		
													Male.			Female.					
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
Allentown	13,685	11,481	8,984	8,278	6,520	4,747	4,738	4,386	3,625	669	575	612	60.5	56.8	52.8	34.6	38.2	40.3	4.9	5.0	6.8
Altoona	10,732	8,409	9,540	10,077	7,797	8,989	535	478	384	120	134	167	93.9	92.7	94.2	5.0	5.7	4.0	1.1	1.6	1.8
Beaver Falls	2,639	2,180	2,232	2,413	1,980	1,980	152	137	132	74	63	120	91.4	90.8	88.7	5.8	6.3	5.9	2.8	2.9	5.4
Bethlehem	1,496	1,583	.....	854	879	.....	499	546	.....	143	158	.....	57.1	55.5	.....	33.4	34.5	.....	9.6	10.0	.....
Braddock	1,140	1,040	1,225	1,128	1,005	1,182	10	7	9	2	28	34	98.9	96.6	96.5	0.9	0.7	0.7	0.2	2.7	2.8
Bradford	1,178	1,318	1,490	1,052	1,123	1,310	115	162	119	11	33	61	89.3	85.2	87.9	9.8	12.3	8.0	0.9	2.5	4.1
Bristol	1,809	.....	.....	956	.....	.....	721	.....	.....	132	.....	.....	52.8	.....	.....	39.9	.....	.....	7.3	.....	.....
Butler	3,303	2,807	2,093	3,169	2,720	1,930	97	61	119	37	26	44	95.9	96.9	92.2	2.9	2.2	5.7	1.1	0.9	2.1
Carbondale	1,897	1,503	1,475	1,333	1,220	1,042	451	235	284	113	48	149	70.3	81.2	70.6	23.8	15.6	19.3	6.0	3.2	10.1
Carlisle	1,603	1,334	1,340	1,064	835	772	481	426	502	58	73	66	66.4	62.6	57.6	30.0	31.9	37.5	3.6	5.5	4.9
Carnegie	337	337	.....	309	325	.....	24	10	.....	4	2	.....	91.7	96.4	.....	7.1	3.0	.....	1.2	0.6	.....
Chambersburg	1,650	1,364	843	1,287	1,165	655	306	149	161	57	50	27	78.0	85.4	77.7	18.5	10.9	19.1	3.5	3.7	3.2
Charleroi	1,904	.....	.....	1,443	.....	.....	287	.....	.....	174	.....	.....	75.8	.....	.....	15.1	.....	.....	9.1	.....	.....
Chester	6,295	6,986	7,061	4,637	5,260	5,506	1,472	1,488	1,272	186	238	283	73.7	75.3	78.0	23.4	21.3	18.0	3.0	3.4	4.0
Columbia	2,141	2,773	3,034	1,424	1,966	2,108	632	643	667	85	164	259	66.5	70.9	69.5	29.5	23.2	22.0	4.0	5.9	8.5
Connellsville	1,087	1,035	.....	1,038	1,005	.....	43	27	.....	6	3	.....	95.5	97.1	.....	4.0	2.6	.....	0.6	0.3	.....
Dubois	1,105	920	900	1,096	909	882	7	10	11	2	1	7	99.2	98.8	98.0	0.6	1.1	1.2	0.2	0.1	0.8
Dunmore	948	1,019	1,133	797	789	928	116	173	105	35	57	100	84.1	77.4	81.9	12.2	17.0	9.3	3.7	5.6	8.8
Easton	4,062	3,388	2,720	3,062	2,392	1,836	904	881	673	96	115	211	75.4	70.6	67.5	22.3	26.0	24.7	2.4	3.4	7.8
Erie	11,016	9,619	8,415	9,443	8,415	7,498	1,242	934	706	331	270	211	85.7	87.5	89.1	11.3	9.7	8.4	3.0	2.8	2.5
Franklin	1,479	.....	.....	1,362	.....	.....	108	.....	.....	9	.....	.....	92.1	.....	.....	7.3	.....	.....	0.6	.....	.....
Greater Punxsutawney	710	.....	.....	656	.....	.....	39	.....	.....	15	.....	.....	92.4	.....	.....	5.5	.....	.....	2.1	.....	.....
Greensburg	494	270	.....	428	242	.....	47	26	.....	19	2	.....	86.6	89.6	.....	9.5	9.6	.....	3.8	0.7	.....
Harrisburg	7,966	9,743	7,955	5,485	7,088	6,147	2,361	2,531	1,727	120	124	81	68.9	72.7	77.3	29.6	26.0	21.7	1.5	1.3	1.0
Hazleton	2,744	2,682	1,406	899	995	611	1,552	1,357	666	293	330	129	32.8	37.1	43.5	56.6	50.6	47.4	10.7	12.3	9.2
Homestead	260	171	307	231	154	242	26	13	10	3	4	55	88.8	90.1	78.8	10.0	7.6	3.3	1.2	2.3	17.9
Johnstown	12,177	10,233	6,914	11,665	9,939	6,591	365	95	256	147	199	67	95.8	97.1	95.3	3.0	0.9	3.7	1.2	1.9	1.0
Lancaster	8,862	7,955	8,693	5,526	4,690	4,926	2,907	2,770	3,088	429	495	679	62.4	59.0	56.7	32.8	34.8	35.5	4.8	6.2	7.8
Latrobe	570	.....	.....	484	.....	.....	81	.....	.....	5	.....	.....	84.9	.....	.....	14.2	.....	.....	0.9	.....	.....
Lebanon	5,270	5,591	4,387	3,993	4,288	3,565	1,141	1,046	782	136	257	40	75.8	76.7	81.3	21.7	18.7	17.8	2.6	4.6	0.9
McKeesport	6,857	8,246	8,848	6,530	7,990	8,605	201	206	102	126	50	141	95.2	96.9	97.3	2.9	2.5	1.2	1.8	0.6	1.6
McKees Rocks	3,548	3,554	.....	3,180	3,472	.....	273	52	.....	95	30	.....	89.6	97.7	.....	7.7	1.5	.....	2.7	0.8	.....
Mahanoy City	661	590	238	175	143	108	466	398	118	20	49	12	26.5	24.2	45.4	70.5	67.5	49.6	3.0	8.3	5.0
Meadville	1,676	2,036	1,300	1,318	1,640	1,077	326	382	221	32	14	2	78.6	80.6	82.8	19.5	18.8	17.0	1.9	0.7	0.2
Mount Carmel	978	600	197	167	87	97	645	364	97	166	149	3	17.1	14.5	49.2	66.0	60.7	49.2	17.0	24.8	1.5
Nanticoke	747	344	229	103	70	52	538	179	109	106	95	68	13.8	20.3	22.7	72.0	52.0	47.6	14.2	27.6	29.7
New Castle	6,381	5,521	5,433	6,055	5,327	5,240	304	158	163	22	36	30	94.9	96.5	96.4	4.8	2.9	3.0	0.3	0.7	0.6
Norristown	3,959	3,818	3,517	2,127	1,940	1,628	1,681	1,676	1,536	151	202	353	53.7	50.8	46.3	42.5	43.9	43.7	3.8	5.3	10.0
Oil City	2,276	1,283	1,557	2,215	1,256	1,513	57	24	33	4	3	11	97.3	97.9	97.2	2.5	1.9	2.1	0.2	0.2	0.7
Philadelphia	251,286	251,294	228,899	165,937	167,140	153,681	76,822	73,848	61,830	8,527	10,306	13,388	66.0	66.5	67.1	30.6	29.4	27.0	3.4	4.1	5.8
Phoenixville	2,927	2,599	2,888	2,295	1,934	2,366	473	585	416	159	80	106	78.4	74.4	81.9	16.2	22.5	14.4	5.4	3.1	3.7
Pittsburgh [1]	69,620	67,420	71,618	58,879	58,698	62,143	9,454	7,277	7,481	1,287	1,445	1,994	84.6	87.1	86.8	13.6	10.8	10.4	1.8	2.1	2.8
Pittston	729	792	830	438	351	504	250	390	274	41	51	52	60.1	44.3	60.7	34.3	49.2	33.0	5.6	6.4	6.3
Plymouth	478	908	827	107	285	140	315	518	521	56	105	166	22.4	31.4	16.9	65.9	57.0	63.0	11.7	11.6	20.1
Pottstown	2,622	3,619	3,457	1,971	2,938	2,869	553	594	408	98	87	180	75.2	81.2	83.0	21.1	16.4	11.8	3.7	2.4	5.2

[1] Includes statistics for Allegheny, annexed in 1907.

Table 7—Continued.

City.	Average number of wage earners in manufacturing industries.												Per cent of total.								
	Total.			16 years of age and over.						Under 16 years of age.			16 years of age and over.						Under 16 years of age.		
				Male.			Female.						Male.			Female.					
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
Pottsville	3,506	2,808	1,904	2,382	2,021	1,266	845	628	495	279	159	143	67.9	72.0	66.5	24.1	22.4	26.0	8.0	5.7	7.5
Reading	24,131	24,145	18,053	16,760	16,610	12,100	6,333	6,213	4,473	1,038	1,322	1,480	69.5	68.8	67.0	26.2	25.7	24.8	4.3	5.5	8.2
Scranton	12,559	12,851	10,912	7,095	6,756	6,531	4,686	5,068	3,180	778	1,027	1,201	56.5	52.6	59.9	37.3	39.4	29.1	6.2	8.0	11.0
Shamokin	2,634	1,623	897	688	359	271	1,435	1,016	619	511	248	7	26.1	22.1	30.2	54.5	62.6	69.0	19.4	15.3	0.8
Sharon	2,298	2,545	1,812	2,243	2,523	1,778	27	20	26	28	2	8	97.6	99.1	98.1	1.2	0.8	1.4	1.2	0.1	0.4
Shenandoah	475	242	170	238	158	132	209	76	35	28	8	3	50.1	65.3	77.6	44.0	31.4	20.6	5.9	3.3	1.8
South Bethlehem	10,892	7,985	5,754	9,225	7,003	5,168	1,466	894	437	201	88	149	84.7	87.7	89.8	13.5	11.2	7.6	1.8	1.1	2.6
Sunbury	1,718	2,069	1,457	1,239	1,585	986	411	430	390	68	54	81	72.1	76.6	67.7	23.9	20.8	26.8	4.0	2.6	5.6
Tamaqua	974	.....	.....	367	.....	.....	514	.....	.....	93	.....	.....	37.7	.....	.....	52.8	.....	.....	9.5	.....	.....
Taylor	333	.....	.....	53	.....	.....	251	.....	.....	29	.....	.....	15.9	.....	.....	75.4	.....	.....	8.7	.....	.....
Uniontown	776	335	.....	763	325	.....	12	4	.....	1	6	.....	98.3	97.0	.....	1.5	1.2	.....	0.1	1.8	.....
Warren	1,876	1,489	1,174	1,776	1,295	1,125	95	179	44	5	15	5	94.7	87.0	95.8	5.1	12.0	3.7	0.3	1.0	0.4
Washington	2,002	1,896	.....	1,766	1,703	.....	171	129	.....	65	64	.....	88.2	89.8	.....	8.5	6.8	.....	3.2	3.4	.....
West Chester	894	916	849	785	829	799	103	81	24	6	6	26	87.8	90.5	94.1	11.5	8.8	2.8	0.7	0.7	3.1
Wilkes-Barre	8,107	7,553	5,920	5,063	4,943	3,483	2,510	2,062	1,960	534	548	477	62.5	65.4	58.8	31.0	27.3	33.1	6.6	7.3	8.1
Wilkinsburg	194	185	184	189	181	177	4	4	7	1	.....	.....	97.4	97.8	96.2	2.1	2.2	3.8	0.5	.....	.....
Williamsport	6,015	5,594	5,296	4,599	4,121	3,700	1,312	1,303	1,391	104	170	205	76.5	73.7	69.9	21.8	23.3	26.3	1.7	3.0	3.9
York	10,851	9,836	7,952	7,632	7,494	5,331	2,844	1,998	1,960	375	344	661	70.3	76.2	67.0	26.2	20.3	24.6	3.5	3.5	8.3
All other cities [1]	22,848	19,054	4,656	21,436	18,006	4,570	1,221	795	54	191	253	32	93.8	94.5	98.2	5.3	4.2	1.2	0.8	1.3	0.7

[1] All other cities embrace: Coatesville, Dickson City, Duquesne, Farrell (formerly South Sharon), Monessen, North Braddock, Old Forge, and Steelton in 1914; Coatesville, Duquesne, Monessen, North Braddock, Old Forge, South Sharon, and Steelton in 1909; and Steelton in 1904.

Table 8

City.	Per cent of increase [1] in average number of wage earners.				
	Period.	Total.	16 years of age and over.		Under 16 years of age.
			Male.	Female.	
Allentown	1904-1914	52.3	74.4	30.7	9.3
	1909-1914	19.2	27.0	8.0	16.3
	1904-1909	27.8	37.3	21.0	—6.0
Altoona	1904-1914	12.5	12.1	39.3	—28.1
	1909-1914	27.6	29.2	11.9	—10.4
	1904-1909	—11.9	—13.3	24.5	—19.8
Beaver Falls	1904-1914	18.2	21.9	15.2	—38.3
	1909-1914	21.1	21.9	10.9	17.5
	1904-1909	—2.3	.....	3.8	—47.5
Bethlehem	1909-1914	—5.5	—2.8	—8.6	—9.5
Braddock	1904-1914	—6.9	—4.6	11.1	—94.1
	1909-1914	9.6	12.2	42.9	—92.9
	1904-1909	—15.1	—15.0	—22.2	—17.6
Bradford	1904-1914	—20.9	—19.7	—3.4	—82.0
	1909-1914	—10.6	—6.3	—29.0	—66.7
	1904-1909	—11.5	—14.3	36.1	—45.9
Butler	1904-1914	57.8	64.2	—18.5	—15.9
	1909-1914	17.7	16.5	59.0	42.3
	1904-1909	34.1	40.9	—48.7	—40.9
Carbondale	1904-1914	28.6	27.9	58.8	—24.2
	1909-1914	26.2	9.3	91.9	135.4
	1904-1909	1.9	17.1	—17.3	—67.8
Carlisle	1904-1914	19.6	37.8	—4.2	—12.1
	1909-1914	20.2	27.4	12.9	—20.5
	1904-1909	—0.4	8.2	—15.1	10.6
Carnegie	1909-1914	.....	—4.9	140.0	100.0
Chambersburg	1904-1914	95.7	96.5	90.1	111.1
	1909-1914	21.0	10.5	105.4	14.0
	1904-1909	61.8	77.9	—7.5	85.2
Chester	1904-1914	—10.8	—15.8	15.7	—34.3
	1909-1914	—9.9	—11.8	—1.1	—21.8
	1904-1909	—1.1	—4.5	17.0	—15.9
Columbia	1904-1914	—29.4	—32.4	—5.2	—67.2
	1909-1914	—22.8	—27.6	—1.7	—48.2
	1904-1909	—8.6	—6.7	—3.6	—36.7
Connellsville	1909-1914	5.0	3.3	59.3	100.0
Dubois	1904-1914	22.8	24.3	—36.4	—71.4
	1909-1914	20.1	20.6	—30.0	100.0
	1904-1909	2.2	3.1	—9.1	—85.7
Dunmore	1904-1914	—16.3	—14.1	10.5	—65.0
	1909-1914	—7.0	1.0	—32.9	—38.6
	1904-1909	—10.1	—15.0	64.8	—43.0
Easton	1904-1914	49.3	66.8	34.3	—54.5
	1909-1914	19.9	28.0	2.6	—16.5
	1904-1909	24.6	30.3	30.9	—45.5
Erie	1904-1914	30.9	25.9	75.9	56.9
	1909-1914	14.5	12.2	33.0	22.6
	1904-1909	14.3	12.2	32.3	28.0
Greensburg	1909-1914	83.0	76.9	80.8	850.0
Harrisburg	1904-1914	0.1	—10.8	36.7	48.1
	1909-1914	—18.2	—22.6	—6.7	—3.2
	1904-1909	22.5	15.3	46.6	53.1
Hazleton	1904-1914	95.2	47.1	133.0	127.1
	1909-1914	2.3	—9.6	14.4	—11.2
	1904-1909	90.8	62.8	103.8	155.8
Homestead	1904-1914	—15.3	—4.5	160.0	—94.5
	1909-1914	52.0	50.0	100.0	—25.0
	1904-1909	—44.3	—36.4	30.0	—92.7
Johnstown	1904-1914	76.1	77.0	42.6	119.4
	1909-1914	19.0	17.4	284.2	—26.1
	1904-1909	48.0	50.8	—62.9	197.0
Lancaster	1904-1914	1.9	12.2	—5.9	—36.8
	1909-1914	11.4	17.8	4.9	—13.3
	1904-1909	—8.5	—4.8	—10.3	—27.1
Lebanon	1904-1914	20.1	12.0	45.9	240.0
	1909-1914	—5.7	—6.9	9.1	—47.1
	1904-1909	27.4	20.3	33.8	542.5
McKeesport	1904-1914	—22.5	—24.1	97.1	—10.6
	1909-1914	—16.8	—18.3	—2.4	152.0
	1904-1909	—6.8	—7.1	102.0	—64.5
McKees Rocks	1909-1914	—0.2	—8.4	425.0	216.7
Mahanoy City	1904-1914	177.7	62.0	294.9	66.7
	1909-1914	12.0	22.4	17.1	—59.2
	1904-1909	147.9	32.4	237.3	308.3
Meadville	1904-1914	28.9	22.4	47.5	1,500.0
	1909-1914	—17.7	—19.6	—14.7	128.6
	1904-1909	56.6	52.3	72.9	600.0

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

Table 8—Continued.

City.	Period.	Per cent of increase[1] in average number of wage earners. Total.	16 years of age and over. Male.	16 years of age and over. Female.	Under 16 years of age.
Mount Carmel	1904-1914	396.4	72.2	564.9	5,433.3
	1909-1914	63.0	92.0	77.2	11.4
	1904-1909	204.6	-10.3	275.3	4,866.7
Nanticoke	1904-1914	226.2	98.1	393.6	55.9
	1909-1914	117.2	47.1	200.6	11.6
	1904-1909	50.2	34.6	64.2	39.7
New Castle	1904-1914	17.4	15.6	86.5	-26.7
	1909-1914	15.6	13.7	92.4	-38.9
	1904-1909	1.6	1.7	-3.1	20.0
Norristown	1904-1914	12.6	30.7	9.4	-57.2
	1909-1914	3.7	9.6	0.3	-25.2
	1904-1909	8.6	19.2	9.1	-42.8
Oil City	1904-1914	46.2	46.4	72.7	-63.6
	1909-1914	77.4	76.4	137.5	33.3
	1904-1909	-17.6	-17.0	-27.3	-72.7
Philadelphia	1904-1914	9.8	8.0	24.2	-36.3
	1909-1914	(2)	-0.7	4.0	-17.3
	1904-1909	9.8	8.8	19.4	-23.0
Phoenixville	1904-1914	1.4	-3.0	13.7	50.0
	1909-1914	12.6	18.7	-19.1	98.8
	1904-1909	-10.0	-18.3	40.6	-24.5
Pittsburgh[3]	1904-1914	-2.8	-5.3	26.4	-35.5
	1909-1914	3.3	0.3	29.9	-10.9
	1904-1909	-5.9	-5.5	-2.7	-27.5
Pittston	1904-1914	-12.2	-13.1	-8.8	-21.2
	1909-1914	-8.0	24.8	-35.9	-19.6
	1904-1909	-4.6	-30.4	42.3	-1.9
Plymouth	1904-1914	-42.2	-23.6	-39.5	-66.3
	1909-1914	-47.4	-62.5	-39.2	-46.7
	1904-1909	9.8	103.6	-0.6	-36.7
Pottstown	1904-1914	-24.2	-31.3	35.5	-45.6
	1909-1914	-27.5	-32.9	-6.9	12.6
	1904-1909	4.7	2.4	45.6	-51.7
Pottsville	1904-1914	84.1	88.2	70.7	95.1
	1909-1914	24.9	17.9	34.6	75.5
	1904-1909	47.5	59.6	26.9	11.2
Reading	1904-1914	33.7	38.5	41.6	-29.9
	1909-1914	(2)	0.9	1.9	-21.5
	1904-1909	33.7	37.3	38.9	-10.7
Scranton	1904-1914	15.1	8.6	47.4	-35.2
	1909-1914	-2.3	5.0	-7.5	-24.2
	1904-1909	17.8	3.4	59.4	-14.5
Shamokin	1904-1914	193.6	153.9	131.8	7,200.0
	1909-1914	62.3	91.6	41.2	106.0
	1904-1909	80.9	32.5	64.1	3,442.9
Sharon	1904-1914	26.8	26.2	3.8	250.0
	1909-1914	-9.7	-11.1	35.0	1,300.0
	1904-1909	40.5	41.9	-23.1	-75.0
Shenandoah	1904-1914	179.4	80.3	497.1	833.3
	1909-1914	96.3	50.6	175.0	250.0
	1904-1909	42.4	19.7	117.1	166.7
South Bethlehem	1904-1914	89.3	78.5	235.5	34.9
	1909-1914	36.4	31.7	64.0	128.4
	1904-1909	38.8	35.5	104.6	-40.9
Sunbury	1904-1914	17.9	25.7	5.4	-16.0
	1909-1914	-17.0	-21.8	-4.4	25.9
	1904-1909	42.0	60.8	10.3	-33.3
Uniontown	1909-1914	131.6	134.8	200.0	-83.3
Warren	1904-1914	59.8	57.9	115.9	(2)
	1909-1914	26.0	37.1	-46.9	-66.7
	1904-1909	26.8	15.1	306.8	200.0
Washington	1909-1914	5.6	3.7	32.6	1.6
West Chester	1904-1914	5.3	-1.8	329.2	-76.9
	1909-1914	-2.4	-5.3	27.2	.....
	1904-1909	7.9	3.8	237.5	-76.9
Wilkes-Barre	1904-1914	36.9	45.4	28.1	11.9
	1909-1914	7.3	2.4	21.7	-2.6
	1904-1909	27.6	41.9	5.2	14.9
Wilkinsburg	1904-1914	5.4	6.8	-42.9	.....
	1909-1914	4.9	4.4	.....	.....
	1904-1909	0.5	2.3	-42.9	.....
Williamsport	1904-1914	13.6	24.3	-5.7	-49.3
	1909-1914	7.5	11.6	0.7	-38.8
	1904-1909	5.6	11.4	-6.3	-17.1
York	1904-1914	36.5	43.2	45.1	-43.3
	1909-1914	10.3	1.8	42.3	9.0
	1904-1909	23.7	40.6	1.9	-48.0
All other cities[4]	1904-1914	390.7	369.1	2,161.1	496.9
	1909-1914	19.9	19.0	53.6	-24.5
	1904-1909	309.2	294.0	1,372.2	690.6

[1] A minus sign (-) denotes decrease.
[2] Less than one-tenth of 1 per cent.
[3] Includes statistics for Allegheny, annexed in 1907.
[4] All other cities embrace: Coatesville, Dickson City, Duquesne, Farrell (formerly South Sharon), Monessen, North Braddock, Old Forge, and Steelton in 1914; Coatesville, Duquesne, Monessen, North Braddock, Old Forge, South Sharon, and Steelton in 1909; and Steelton in 1904.

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

For 1914 the spring months show the greatest activity in the combined industries of the state, the maximum number of wage earners appearing for March, and the minimum for November. In 1909 the greatest number of wage earners were employed in December and the least in January, while in 1904, the maximum month was May and the minimum July. The greatest difference between the maximum and minimum months in any one of the three census years was 140,739 in 1909.

Table 9

Month.	Wage earners in manufacturing industries. Number.[1] 1914	1909	1904	Per cent of maximum. 1914	1909	1904
January	945,481	819,927	740,951	98.3	85.3	94.8
February	949,918	825,082	751,266	98.7	85.9	96.1
March	962,114	835,617	766,990	100.0	87.0	98.1
April	955,614	844,230	776,424	99.3	87.9	99.3
May	942,197	850,373	781,881	97.9	88.5	100.0
June	936,124	867,526	765,864	97.3	90.3	98.0
July	920,404	860,435	736,257	95.7	89.6	94.2
August	914,502	873,308	745,473	95.1	90.9	95.3
September	917,927	911,802	764,099	95.4	94.9	97.7
October	902,731	933,852	774,986	93.8	97.2	99.1
November	873,138	947,698	775,582	90.8	98.6	99.2
December	873,586	960,666	779,611	90.8	100.0	99.7

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

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

nearest representative day, for the combined industries of the state and for a number of selected industries; also for the separate totals for 63 of the 71 cities having more than 10,000 inhabitants, and for the combined total for the remaining eight grouped as "all other cities."

Table 10

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

INDUSTRY AND CITY.	Average number employed during year.	Number employed on 15th day of the month or nearest representative day.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	924,478	945,481	949,918	**962,114**	955,614	942,197	936,124	920,404	914,502	917,927	902,731	*873,188*	873,586	90.8
Automobiles, including bodies and parts	3,083	*2,702*	2,837	2,966	3,145	3,170	3,512	**3,657**	3,104	3,002	2,828	2,916	3,157	73.9
Boots and shoes, including cut stock and findings	13,414	13,479	**13,707**	13,628	13,476	*13,131*	13,387	13,599	13,522	13,334	13,218	13,199	13,288	95.8
Boxes, fancy and paper	5,140	5,195	5,238	5,235	5,161	5,120	5,030	5,034	*4,987*	5,163	**5,278**	5,210	5,029	94.5
Bread and other bakery products	15,157	*14,899*	15,010	15,144	15,190	15,127	15,299	**15,309**	15,183	15,149	15,234	15,170	15,170	97.3
Brick, tile, pottery, and other clay products	18,976	16,890	*16,713*	17,889	19,455	20,228	20,594	20,548	**20,823**	20,468	19,338	17,824	16,942	80.3
Canning and preserving	3,096	*2,203*	2,594	2,504	2,545	2,355	2,662	3,224	4,482	**4,848**	4,054	3,086	2,595	45.4
Carpets and rugs, other than rag	9,569	10,081	10,126	**10,195**	9,975	10,016	9,262	8,907	9,477	9,150	9,477	*8,827*	9,335	86.6
Carriages and wagons and materials	6,370	6,509	6,544	6,652	6,753	**6,761**	6,563	6,512	6,315	6,156	5,994	*5,832*	5,849	86.3
Cars and general shop construction and repairs by steam-railroad companies	54,729	**58,495**	57,836	57,204	54,054	53,573	*53,397*	53,693	53,581	53,957	53,824	53,489	53,645	91.3
Cars, steam-railroad, not including operations of railroad companies	9,955	**13,060**	10,646	10,733	8,447	*7,962*	9,475	10,594	10,119	10,425	9,470	9,560	8,969	61.0
Cement	7,910	8,481	8,315	7,146	7,323	7,940	8,074	8,117	8,317	**8,483**	8,238	*7,130*	7,356	84.1
Chemicals	4,748	**4,905**	4,798	4,703	4,730	4,680	4,718	*4,605*	4,641	4,754	4,825	4,814	4,803	93.9
Clothing, men's, including shirts	21,126	21,646	21,963	**22,239**	21,950	21,705	21,007	20,275	*20,145*	20,417	20,473	21,055	20,637	90.6
Clothing, women's	17,217	17,123	18,650	**19,288**	18,865	18,011	16,931	*15,152*	15,482	17,213	17,966	16,242	15,681	78.6
Coke	9,871	9,510	10,270	**11,619**	11,000	10,182	9,938	10,100	9,989	9,798	9,213	8,468	*8,365*	72.0
Confectionery	6,465	6,329	6,514	6,619	6,167	5,765	*5,621*	5,661	6,055	6,783	**7,446**	7,274	7,346	75.5
Copper, tin, and sheet-iron products	6,818	6,701	6,484	6,740	6,964	7,102	**7,162**	7,049	6,945	6,928	6,748	6,523	*6,470*	90.3
Cotton goods, including cotton small wares	14,640	15,166	14,786	15,014	14,865	**15,264**	14,984	14,577	14,502	14,178	14,358	*13,971*	14,015	91.5
Cutlery and tools	3,504	3,782	**3,816**	3,754	3,774	3,706	3,561	*2,942*	3,368	3,108	3,355	3,364	3,458	77.1
Dyeing and finishing textiles	6,389	6,497	6,543	**6,749**	6,518	6,337	6,383	6,271	6,321	6,445	6,276	*6,160*	6,168	91.3
Electrical machinery, apparatus, and supplies	14,866	15,349	15,205	15,208	15,075	14,753	14,639	14,614	15,458	**15,482**	14,889	13,907	*13,813*	89.2
Foundry and machine-shop products	91,820	**95,160**	94,538	95,135	94,930	93,488	93,444	93,505	92,815	90,334	88,362	85,514	*84,615*	88.9
Furniture and refrigerators	12,088	12,377	12,444	**12,628**	12,466	12,147	12,031	*11,684*	11,886	12,081	11,961	11,860	11,591	91.7
Glass	23,606	25,406	26,327	**26,391**	25,740	25,847	23,854	*18,056*	18,057	21,634	23,169	24,033	24,758	68.4
Hats, fur-felt	6,714	**7,109**	7,060	6,991	6,859	6,746	6,766	6,767	6,588	6,489	6,507	6,371	*6,315*	88.8
Hosiery and knit goods	41,130	41,026	42,510	**42,885**	42,685	42,380	41,457	40,039	*39,548*	40,437	40,511	40,027	40,055	92.2
Iron and steel, blast furnaces	11,518	12,765	12,526	13,000	**13,230**	12,389	11,869	11,388	10,913	10,610	10,446	*9,417*	9,663	71.2
Iron and steel, steel works and rolling mills	131,955	138,000	139,581	**142,367**	141,422	135,080	134,336	134,420	130,570	130,917	122,569	*114,695*	119,503	80.6
Iron and steel, wrought pipe	3,990	5,255	4,588	4,421	**5,450**	5,010	3,845	4,707	3,452	2,649	2,713	*2,516*	3,274	46.2
Leather, tanned, curried, and finished	11,988	12,195	12,071	12,215	12,419	12,107	**12,460**	12,139	12,000	12,059	11,564	11,398	*11,229*	90.1
Lime	3,128	*2,766*	2,792	3,067	3,253	3,296	3,071	3,120	3,409	**3,438**	3,322	3,130	2,872	80.5
Liquors, malt	7,512	7,323	*7,225*	7,200	7,442	7,499	7,828	**7,901**	7,841	7,672	7,507	7,380	7,266	91.4
Lumber and timber products	21,297	20,708	20,663	21,288	**22,204**	22,060	22,067	21,169	21,247	21,385	21,564	20,832	*20,377*	91.8
Marble and stone work	7,166	6,227	*6,095*	6,607	7,434	7,338	7,572	7,742	**7,785**	7,753	7,471	7,152	6,816	78.3
Millinery and lace goods, not elsewhere specified	3,585	3,464	4,074	**4,144**	3,836	3,328	3,255	*3,052*	3,619	3,923	3,678	3,412	3,235	73.6
Paper and wood pulp	7,447	7,533	7,567	7,521	**7,607**	7,417	7,390	7,369	7,366	7,488	7,513	7,331	*7,262*	95.5
Petroleum, refining	4,902	5,048	**5,201**	5,118	4,802	*4,622*	4,756	4,822	4,766	4,933	5,043	4,952	4,761	88.9
Printing and publishing	26,909	**27,801**	27,302	27,262	27,048	27,173	26,776	26,171	*25,855*	26,301	27,117	26,970	27,132	93.0
Rubber goods, not elsewhere specified	3,172	2,972	3,179	3,344	3,592	3,698	3,621	3,233	3,233	3,109	2,671	*2,668*	2,744	72.1
Shipbuilding, including boat building	4,773	5,261	4,668	5,045	5,321	5,629	**5,710**	5,180	4,938	4,367	4,019	3,624	*3,514*	61.5
Silk goods, including throwsters	44,755	44,671	45,119	45,879	46,330	46,568	46,594	**47,045**	46,000	43,544	42,927	*40,984*	41,399	87.1
Slaughtering and meat packing	3,687	3,782	3,756	3,721	*3,582*	3,600	3,604	3,615	3,589	3,665	3,780	**3,786**	3,764	94.6
Stoves and furnaces, including gas and oil stoves	4,111	3,910	4,212	4,142	4,208	4,136	4,128	*3,575*	4,161	4,238	**4,328**	4,218	4,076	82.6
Tobacco manufactures	37,370	37,526	37,982	38,026	36,750	37,061	36,780	*36,459*	36,934	37,338	38,033	**38,078**	37,473	95.7
Woolen, worsted, and felt goods, and wool hats	24,461	24,311	25,041	**25,668**	25,391	25,274	24,742	24,260	23,700	24,249	24,322	*23,257*	23,317	90.6
All other industries	132,381	133,883	134,802	136,760	136,181	135,416	135,969	132,646	131,414	132,013	129,132	125,512	124,484	.....
Total for cities	578,387	593,041	598,335	**604,732**	599,205	589,370	584,761	575,054	567,667	569,739	562,454	*546,352*	549,934	90.3
ALLENTOWN	13,685	13,836	13,882	**14,120**	14,050	13,925	14,010	13,987	13,513	*13,040*	13,478	13,271	13,108	92.4
ALTOONA	10,732	**11,641**	11,513	11,468	10,513	10,513	10,555	10,514	10,444	10,429	*10,283*	10,366	10,545	88.3
BEAVER FALLS	2,639	2,598	2,634	2,732	2,689	2,652	2,625	*2,551*	**2,754**	2,603	2,652	2,606	2,572	92.6
BETHLEHEM	1,496	1,534	1,531	1,562	1,558	**1,567**	1,545	1,554	1,421	1,516	1,430	*1,384*	1,400	85.1
BRADDOCK	1,140	1,118	1,163	1,229	**1,265**	1,220	1,134	1,119	1,162	1,130	1,124	1,023	*993*	78.5
BRADFORD	1,178	1,196	1,200	1,193	1,238	**1,268**	1,258	1,261	1,220	1,125	1,068	1,091	*1,018*	80.3
BRISTOL	1,809	*1,785*	1,823	1,792	1,831	1,813	1,804	1,810	1,818	**1,833**	1,812	1,790	1,797	97.4
BUTLER	3,303	**3,634**	3,588	3,552	3,553	*2,806*	3,007	3,277	3,026	3,530	3,422	3,175	3,066	77.2
CARBONDALE	1,897	**1,951**	1,950	1,932	**1,951**	1,933	1,896	1,879	1,881	1,890	1,849	*1,815*	1,837	93.0
CARLISLE	1,603	*1,508*	**1,723**	1,705	1,623	1,626	1,662	1,664	1,567	1,540	1,541	1,523	1,554	87.5
CARNEGIE	337	369	364	**383**	338	341	330	354	353	319	309	*291*	293	76.0
CHAMBERSBURG	1,650	**1,719**	1,708	1,685	1,697	1,672	1,660	1,675	1,685	1,633	1,585	1,595	*1,486*	86.4
CHARLEROI	1,904	2,161	**2,171**	2,153	2,057	2,112	2,125	1,570	*1,356*	1,724	1,727	1,823	1,869	62.5
CHESTER	6,295	**6,678**	6,271	6,350	6,534	6,607	6,495	6,588	6,563	6,004	5,845	*5,678*	5,927	85.0
COLUMBIA	2,141	2,198	2,194	**2,219**	2,218	2,002	*1,994*	2,213	2,144	2,140	2,139	2,113	2,118	89.9

Table 10—Continued.

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

INDUSTRY AND CITY.	Average number employed during year.	Number employed on 15th day of the month or nearest representative day.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
CONNELLSVILLE	1,087	**1,225**	1,168	1,200	1,173	1,090	1,086	1,079	1,047	1,035	1,015	988	*938*	76.6
DUBOIS	1,105	1,139	1,112	1,175	**1,218**	1,193	1,007	*1,004*	1,062	1,090	1,105	1,077	1,078	82.4
DUNMORE	948	*845*	966	976	937	946	951	900	974	973	**983**	958	967	86.0
EASTON	4,062	3,972	4,007	4,071	4,005	4,109	4,179	4,142	4,107	**4,238**	4,048	*3,921*	3,945	92.5
ERIE	11,016	11,395	11,668	11,660	**11,695**	11,312	11,129	10,825	10,802	10,705	10,498	*10,241*	10,262	87.6
FRANKLIN	1,479	1,610	1,515	1,576	1,567	1,476	1,475	1,536	**1,617**	1,560	1,345	*1,207*	1,204	74.6
GREATER PUNXSUTAWNEY	710	743	638	776	792	757	600	*589*	593	707	681	803	**841**	70.0
GREENSBURG	494	548	553	559	**563**	500	504	346	*343*	*343*	562	555	552	60.9
HARRISBURG	7,966	8,638	**8,651**	8,270	8,087	7,887	8,051	8,000	7,811	7,904	*7,297*	7,481	7,515	84.3
HAZLETON	2,744	2,796	2,762	2,754	2,808	2,803	**2,835**	2,802	2,779	2,728	2,683	2,617	*2,561*	90.3
HOMESTEAD	260	254	265	273	280	278	267	269	**292**	271	232	226	*213*	72.9
JOHNSTOWN	12,177	13,123	**13,278**	12,705	12,691	12,473	12,199	12,076	12,008	12,235	11,691	*10,816*	10,829	81.5
LANCASTER	8,862	**9,062**	9,014	8,993	8,984	8,786	8,871	8,648	*8,646*	8,724	8,921	8,894	8,801	95.4
LATROBE	570	579	583	584	577	**611**	573	588	598	576	*520*	523	528	85.1
LEBANON	5,270	5,036	*5,030*	5,157	5,303	5,219	5,216	5,359	5,462	**5,538**	5,452	5,283	5,185	90.8
MCKEESPORT	6,857	7,106	7,746	**8,088**	7,701	7,056	6,983	6,922	6,821	6,661	*5,457*	5,467	6,276	67.5
MCKEES ROCKS	3,548	3,893	3,359	3,559	3,868	3,697	3,741	3,650	3,617	3,735	3,408	*2,760*	3,289	70.9
MAHANOY CITY	661	675	**683**	671	666	660	656	665	657	648	*645*	650	656	94.4
MEADVILLE	1,676	1,847	1,846	**1,905**	1,851	1,692	1,683	1,569	1,542	*1,518*	1,561	1,528	1,570	79.7
MOUNT CARMEL	978	967	951	953	*738*	984	1,015	1,001	992	1,017	1,010	1,034	**1,074**	68.7
NANTICOKE	747	744	757	759	770	758	**772**	767	751	760	741	697	*688*	89.1
NEW CASTLE	6,381	**7,579**	7,183	7,153	6,766	6,473	6,520	6,244	5,682	6,049	6,431	*5,166*	5,326	68.2
NORRISTOWN	3,959	4,008	3,981	4,011	3,984	3,924	3,921	*3,832*	3,971	3,938	**4,037**	3,962	3,939	94.9
OIL CITY	2,276	**2,630**	2,574	2,569	2,557	2,504	2,324	2,336	2,217	2,000	1,911	1,859	*1,831*	69.6
PHILADELPHIA	251,286	255,033	258,250	**261,435**	258,161	256,139	253,675	245,942	245,009	248,174	248,777	242,457	*242,380*	92.7
PHOENIXVILLE	2,927	2,924	2,945	2,916	2,966	2,965	2,994	2,914	2,917	**2,995**	2,948	2,823	*2,817*	94.1
PITTSBURGH	69,620	71,915	73,170	**73,597**	73,144	71,352	70,502	70,602	69,051	68,181	66,471	*63,561*	63,894	86.4
PITTSTON	729	746	728	757	788	795	**802**	801	748	735	614	*613*	621	76.4
PLYMOUTH	478	544	533	531	**550**	509	519	512	434	454	405	392	*353*	64.2
POTTSTOWN	2,622	2,584	2,837	2,842	2,744	2,435	2,633	2,790	**2,883**	2,792	2,339	*2,192*	2,393	76.0
POTTSVILLE	3,506	**3,743**	3,597	3,446	3,577	3,564	3,522	3,553	3,446	3,504	3,527	3,571	*3,022*	80.7
READING	24,131	24,782	25,464	25,431	**25,469**	24,896	24,248	23,552	23,327	23,378	*22,729*	23,141	23,155	89.2
SCRANTON	12,559	12,572	12,681	12,797	**12,934**	12,875	12,796	12,585	12,663	12,463	12,255	*11,964*	12,123	92.5
SHAMOKIN	2,634	2,645	2,636	2,662	**2,693**	2,680	2,636	*2,492*	2,585	2,645	2,632	2,648	2,654	92.5
SHARON	2,298	2,226	2,088	2,240	2,448	2,583	2,744	**2,928**	2,489	2,277	2,223	1,688	*1,642*	56.1
SHENANDOAH	475	*459*	466	474	472	478	482	480	478	477	477	**486**	471	94.4
SOUTH BETHLEHEM	10,892	10,795	10,676	11,243	11,263	10,887	10,999	**11,635**	10,596	10,180	*10,142*	10,653	**11,635**	87.2
SUNBURY	1,718	**1,710**	1,687	1,717	1,703	1,730	1,700	1,767	1,741	**1,801**	*1,653*	1,659	1,748	91.8
TAMAQUA	974	979	974	953	978	980	996	**1,000**	982	985	979	943	*939*	93.9
TAYLOR	333	365	**374**	354	359	357	334	328	315	284	*275*	329	322	73.5
UNIONTOWN	776	624	*598*	853	869	805	853	843	763	799	**878**	763	664	68.1
WARREN	1,876	1,731	*1,720*	1,731	1,804	1,758	1,865	1,804	2,000	2,052	2,018	**2,061**	1,968	83.5
WASHINGTON	2,002	2,084	2,182	2,209	**2,268**	2,260	2,207	1,945	*1,672*	1,798	1,841	1,686	1,872	73.7
WEST CHESTER	894	895	840	863	897	928	967	**1,012**	994	1,001	805	806	*720*	71.1
WILKES-BARRE	8,107	**8,453**	8,336	8,388	8,255	8,173	8,122	8,269	8,197	7,987	7,796	*7,653*	7,655	90.5
WILKINSBURG	194	*128*	131	164	195	225	234	231	234	**235**	220	174	157	54.5
WILLIAMSPORT	6,015	6,312	6,224	**6,474**	6,159	5,933	6,062	6,083	6,017	6,003	*5,534*	5,643	5,736	85.5
YORK	10,851	11,017	**11,276**	11,219	11,120	10,971	11,060	11,003	*10,365*	10,644	10,470	10,403	10,664	91.9
ALL OTHER CITIES[1]	22,848	23,435	23,917	**24,964**	24,693	23,847	23,151	22,818	22,463	22,486	21,948	*19,836*	20,618	79.5

[1] All other cities embrace: Coatesville, Dickson City, Duquesne, Farrell (formerly South Sharon), Monessen, North Braddock, Old Forge, and Steelton.

The majority of the industries for which separate figures are given in Table 10 show stability of employment during 1914. For 19 of them the variation between the number reported for the months of maximum and minimum employment was less than 10 per cent. Boots and shoes, including cut stock and findings, bread and other bakery products, paper and wood pulp, and tobacco manufactures furnished constant occupation to almost the entire number of wage earners employed in the months of greatest activity, the minimum forming more than 95 per cent of the maximum in each industry. Some industries, however, show wide variation in the number employed at different times during the year. The greatest degree of fluctuation is shown for canning and preserving, the number of wage earners in January being but 45.4 per cent of the number in September, when the industry is at its height.

Among the cities, the greatest stability of employment is shown for Bristol, where the proportion the minimum formed of the maximum was 97.4 per cent. In Philadelphia and Scranton also comparatively regular employment prevailed, the minimum months representing 92.7 per cent and 92.5 per cent, respectively, of the maximum. The difference between the months of greatest and least activity in Pittsburgh was due to the predominance of the iron and steel industry in that city.

Prevailing hours of labor.—In Table 11 the average number of wage earners reported for 1914 and 1909, for all industries combined and for selected industries throughout the state, have been classified according to number of hours of labor per week prevailing in the establishments in which they were employed. A similar classification is given for 1914 only, for all industries combined, in each city having more than 10,000 in-

habitants for which statistics can be shown separately, as well as for the group under the head "all other cities." The number employed in each establishment is classified as a total, even though a few employees worked a greater or smaller number of hours.

Table 11

INDUSTRY AND CITY.	Census year.	AVERAGE NUMBER OF WAGE EARNERS.								
		Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
All industries	1914	924,478	81,406	105,238	296,241	228,256	133,894	30,070	38,563	10,810
	1909	877,543	61,599	46,263	109,826	301,893	258,257	45,703	27,203	26,799
Automobiles, including bodies and parts	1914	3,083	15	654	295	1,961	135	23	.....	.....
	1909	3,199	1	.....	746	2,257	195	.....	.....	.....
Boots and shoes, including cut stock and findings	1914	13,414	1,313	1,423	5,963	4,651	64	.....	.....	.....
	1909	10,822	21	462	514	8,568	1,140	117	.....	.....
Boxes, fancy and paper	1914	5,140	621	544	3,208	690	77	.....	.....	.....
	1909	4,604	56	456	286	2,952	854	.....	.....	.....
Bread and other bakery products	1914	15,157	1,482	442	5,181	1,926	5,022	767	169	168
	1909	12,221	577	207	813	2,812	5,423	1,188	553	648
Brick, tile, pottery, and other clay products	1914	18,976	1,833	778	3,512	3,164	9,608	78	3	.....
	1909	17,061	1,141	787	2,530	2,670	9,473	66	188	206
Canning and preserving	1914	3,096	114	86	613	1,841	351	2	9	80
	1909	2,753	9	7	23	832	1,806	73	3	.....
Carpets and rugs, other than rag	1914	9,569	23	1,869	3,275	4,376	26	.....	.....	.....
	1909	11,510	129	.....	615	3,267	7,499	.....	.....	.....
Carriages and wagons and materials	1914	6,370	119	532	974	3,653	1,080	12	.....	.....
	1909	7,498	44	165	826	3,686	2,752	19	1	5
Cars and general shop construction and repairs by steam-railroad companies.	1914	54,729	9,489	7,764	4,977	26,552	3,313	1,905	150	579
	1909	46,645	5,209	2,581	1,290	27,629	8,002	1,511	.....	423
Cars, steam-railroad, not including operations of railroad companies.	1914	9,955	.....	.....	222	9,353	380	.....	.....	.....
	1909	7,766	.....	60	286	5,504	500	1,416	.....	.....
Cement	1914	7,910	.....	.....	.....	.....	3,262	744	3,032	872
	1909	8,080	.....	.....	.....	.....	2,276	2,788	.....	3,016
Chemicals	1914	4,748	48	14	.....	1,359	873	869	1,110	475
	1909	3,185	5	98	.....	68	2,130	177	13	694
Clothing, men's, including shirts	1914	21,126	1,665	5,866	12,201	1,173	219	2	.....	.....
	1909	23,623	570	2,204	6,823	11,508	2,440	67	4	7
Clothing, women's	1914	17,217	2,119	9,223	5,449	410	16	.....	.....	.....
	1909	15,701	689	6,631	3,439	4,491	451	.....	.....	.....
Coke, not including gas-house coke	1914	9,871	636	57	5,382	248	1,894	25	420	1,209
	1909	15,331	1,508	.....	7,397	100	4,575	658	.....	1,093
Confectionery	1914	6,465	173	903	3,400	1,627	357	5	.....	.....
	1909	5,408	122	362	290	2,692	1,919	16	5	2
Copper, tin, and sheet-iron products	1914	6,818	1,293	1,002	2,431	1,370	722	.....	.....	.....
	1909	6,815	1,327	345	1,034	2,752	1,357	.....	.....	.....
Cotton goods, including cotton small wares	1914	14,640	79	715	11,576	2,270	.....	.....	.....	.....
	1909	16,293	.....	1,112	.....	8,294	6,887	.....	.....	.....
Cutlery and tools	1914	3,504	433	402	321	1,415	933	.....	.....	.....
	1909	4,250	1,156	245	205	1,369	1,205	70	.....	.....
Dyeing and finishing textiles	1914	6,389	184	166	1,301	3,097	1,641	.....	.....	.....
	1909	6,086	10	39	33	2,078	3,874	52	.....	.....
Electrical machinery, apparatus, and supplies	1914	14,866	60	458	10,331	3,621	396	.....	.....	.....
	1909	11,025	12	705	7,853	1,772	683	.....	.....	.....
Foundry and machine-shop products	1914	91,820	2,782	6,944	29,284	35,327	17,409	74	.....	.....
	1909	86,821	2,636	1,442	22,360	31,874	26,079	2,157	87	186
Furniture and refrigerators	1914	12,088	1,299	953	1,746	5,583	2,348	159	.....	.....
	1909	9,924	175	560	563	3,742	4,884	.....	.....	.....
Glass	1914	23,606	4,494	7,235	2,734	2,114	2,859	2,432	.....	1,738
	1909	23,710	3,049	4,406	1,645	6,235	5,468	1,257	.....	1,650
Hats, fur-felt	1914	6,714	265	5,722	545	182	.....	.....	.....	.....
	1909	7,220	65	370	4,919	1,533	333	.....	.....	.....
Hosiery and knit goods	1914	41,130	807	1,533	34,353	4,073	364	.....	.....	.....
	1909	38,206	275	381	496	24,508	12,472	74	.....	.....
Iron and steel, blast furnaces	1914	11,518	.....	80	1,193	.....	5	562	6,114	3,564
	1909	14,521	.....	.....	.....	117	601	166	467	13,170
Iron and steel, steel works and rolling mills	1914	131,955	6,521	11,902	14,545	26,948	34,721	12,933	23,934	451
	1909	126,911	12,245	3,237	11,014	12,292	45,527	17,921	21,849	2,826
Iron and steel, wrought pipe	1914	3,990	.....	.....	.....	2,364	1,626	.....	.....	.....
	1909	3,873	6	.....	.....	.....	3,777	90	.....	.....

Table 11—Continued.

INDUSTRY AND CITY.	Census year.	AVERAGE NUMBER OF WAGE EARNERS.								
		Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
Leather, tanned, curried, and finished	1914	11,988	174	649	856	5,259	5,050	.....	.....	.....
	1909	14,008	65	139	708	5,187	7,904	.....	5	.....
Lime	1914	3,128	63	29	101	1,328	1,080	460	.....	67
	1909	3,258	5	75	135	515	2,010	425	.....	93
Liquors, malt	1914	7,512	3,641	543	2,110	425	694	99	.....	.....
	1909	7,234	2,645	306	2,513	336	1,118	203	109	4
Lumber and timber products	1914	21,297	1,271	1,378	4,438	5,083	8,588	352	187	.....
	1909	26,873	790	995	4,105	3,984	12,975	3,822	41	161
Marble and stone work	1914	7,166	1,347	3,229	1,184	999	407	.....	.....	.....
	1909	9,264	1,896	2,032	1,870	2,188	1,252	26	.....	.....
Millinery and lace goods, not elsewhere specified	1914	3,585	581	757	1,937	310	.....	.....	.....	.....
	1909	4,235	209	747	1,190	2,057	32	.....	.....	.....
Paper and wood pulp	1914	7,447	.....	2	29	1,016	3,244	1,513	1,643	.....
	1909	6,656	122	.....	100	168	3,643	91	2,532	.....
Petroleum, refining	1914	4,902	.....	.....	3,067	1	575	1,133	92	34
	1909	2,900	.....	.....	1,596	.....	418	270	68	548
Printing and publishing	1914	26,909	18,878	4,230	2,980	713	97	11	.....	.....
	1909	24,696	14,412	3,297	4,267	1,965	730	25	.....	.....
Rubber goods, not elsewhere specified	1914	3,172	12	417	2,704	39	.....	.....	.....	.....
	1909	1,205	5	39	5	784	372	.....	.....	.....
Shipbuilding, including boat building	1914	4,773	344	4,111	163	118	37	.....	.....	.....
	1909	3,558	378	156	143	2,842	39	.....	.....	.....
Silk goods, including throwsters	1914	44,755	104	772	39,854	3,701	324	.....	.....	.....
	1909	36,469	31	490	490	27,859	7,599	.....	.....	.....
Slaughtering and meat packing	1914	3,687	75	117	140	507	2,409	204	235	.....
	1909	3,050	63	125	44	271	2,331	160	56	.....
Stoves and furnaces, including gas and oil stoves	1914	4,111	518	447	793	1,852	501	.....	.....	.....
	1909	4,198	187	226	773	1,303	1,709	.....	.....	.....
Tobacco manufactures	1914	37,370	4,918	4,198	18,706	9,087	417	44	.....	.....
	1909	33,188	3,954	3,497	2,614	18,295	4,721	102	5	.....
Woolen, worsted, and felt goods, and wool hats	1914	24,461	597	358	18,754	4,425	319	8	.....	.....
	1909	27,409	2	.....	77	14,819	12,511	.....	.....	.....
All other industries	1914	132,351	11,016	16,734	33,413	42,045	20,451	5,654	1,465	1,573
	1909	118,280	5,798	7,277	13,196	43,718	34,311	10,696	1,217	2,067
Total for cities	1914	578,387	61,039	76,646	195,265	150,240	56,026	16,074	18,869	4,228
ALLENTOWN	1914	13,685	740	1,202	5,826	4,113	1,591	192	.....	21
ALTOONA	1914	10,732	135	30	893	9,312	304	42	14	2
BEAVER FALLS	1914	2,639	49	219	694	797	844	.....	36	.....
BETHLEHEM	1914	1,496	34	.....	1,077	274	91	20	.....	.....
BRADDOCK	1914	1,140	240	133	99	56	572	8	32	.....
BRADFORD	1914	1,178	90	7	596	150	313	22	.....	.....
BRISTOL	1914	1,809	5	30	1,145	484	124	6	.....	15
BUTLER	1914	3,303	85	283	175	1,947	776	11	3	23
CARBONDALE	1914	1,897	90	77	1,333	377	20	.....	.....	.....
CARLISLE	1914	1,603	2	37	633	558	370	.....	3	.....
CARNEGIE	1914	337	72	4	231	.....	20	10	.....	.....
CHAMBERSBURG	1914	1,650	20	866	382	308	59	5	2	8
CHARLEROI	1914	1,904	49	1,551	174	.....	118	11	1	.....
CHESTER	1914	6,295	108	691	2,426	1,599	978	133	109	251
COLUMBIA	1914	2,141	101	20	933	589	479	7	5	7
CONNELLSVILLE	1914	1,087	106	63	748	76	94	.....	.....	.....
DUBOIS	1914	1,105	865	.....	60	94	77	9	.....	.....
DUNMORE	1914	948	57	37	668	180	6	.....	.....	.....
EASTON	1914	4,062	824	132	2,035	416	159	473	23	.....
ERIE	1914	11,016	1,766	458	1,440	3,485	3,232	526	102	7
FRANKLIN	1914	1,479	288	79	584	245	283	.....	.....	.....
GREATER PUNXSUTAWNEY	1914	710	292	4	204	5	57	101	2	45
GREENSBURG	1914	494	38	258	139	.....	56	3	.....	.....
HARRISBURG	1914	7,966	557	1,281	2,635	2,404	568	455	36	30
HAZLETON	1914	2,744	111	459	2,049	38	87	.....	.....	.....
HOMESTEAD	1914	260	57	52	122	18	8	.....	.....	3
JOHNSTOWN	1914	12,177	104	187	531	198	2,144	624	7,502	887
LANCASTER	1914	8,862	518	629	3,551	3,787	219	101	.....	57
LATROBE	1914	570	106	2	28	142	292	.....	.....	.....
LEBANON	1914	5,270	2,588	176	1,942	231	77	60	98	98
MCKEESPORT	1914	6,857	146	37	843	330	323	4,824	339	15
MCKEES ROCK	1914	3,548	286	1,236	412	833	446	.....	335	.....
MAHANOY CITY	1914	661	77	75	409	2	88	3	7	.....
MEADVILLE	1914	1,676	143	514	590	362	64	3	.....	.....
MOUNT CARMEL	1914	978	20	201	666	67	24	.....	.....	.....

Table 11—Continued.

INDUSTRY AND CITY.	Census year.	AVERAGE NUMBER OF WAGE EARNERS.								
		Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72	72.	Over 72.
NANTICOKE	1914	747	47	16	656	.....	21	.....	7	.....
NEW CASTLE	1914	6,381	482	285	2,969	470	1,068	21	1,043	43
NORRISTOWN	1914	3,959	27	50	2,199	1,390	274	17	.....	2
OIL CITY	1914	2,276	107	.....	46	2,099	11	9	4	.....
PHILADELPHIA	1914	251,286	28,533	47,417	90,366	64,844	14,401	3,230	1,441	1,054
PHOENIXVILLE	1914	2,927	23	1	499	2,317	79	6	.....	2
PITTSBURGH	1914	69,620	8,397	7,166	25,174	14,995	8,173	3,567	1,825	323
PITTSTON	1914	729	83	.....	588	3	36	.....	19	.....
PLYMOUTH	1914	478	17	19	429	.....	13	.....	.....	.....
POTTSTOWN	1914	2,622	39	102	972	446	361	701	1	.....
POTTSVILLE	1914	3,506	103	65	1,786	2	1,536	8	6	.....
READING	1914	24,131	5,146	3,562	7,488	6,289	1,177	313	105	51
SCRANTON	1914	12,559	3,063	1,390	5,101	2,250	505	178	7	65
SHAMOKIN	1914	2,634	31	45	2,433	45	39	34	.....	7
SHARON	1914	2,298	1,054	473	97	4	498	8	.....	164
SHENANDOAH	1914	475	14	110	247	40	64	.....	.....	.....
SOUTH BETHLEHEM	1914	10,892	24	3	1,744	8,553	325	2	.....	241
SUNBURY	1914	1,718	30	5	934	186	534	29	.....	.....
TAMAQUA	1914	974	82	19	710	76	84	.....	.....	3
TAYLOR	1914	333	.....	.....	275	55	3	.....	.....	.....
UNIONTOWN	1914	776	245	30	17	33	447	.....	4	.....
WARREN	1914	1,876	92	.....	612	721	398	34	19	.....
WASHINGTON	1914	2,002	118	244	168	1,111	307	42	.....	12
WEST CHESTER	1914	894	6	451	140	196	68	29	3	1
WILKES-BARRE	1914	8,107	886	223	4,992	1,769	183	9	.....	45
WILKINSBURG	1914	194	62	29	61	38	4	.....	.....	.....
WILLIAMSPORT	1914	6,015	648	384	1,688	1,910	1,227	44	3	111
YORK	1914	10,851	715	508	3,442	4,336	1,802	18	16	14
ALL OTHER CITIES [1]	1914	22,848	196	3,019	3,159	2,585	7,425	126	5,717	621

[1] All other cities embrace: Coatesville, Dickson City, Duquesne, Farrell (formerly South Sharon), Monessen, North Braddock, Old Forge, and Steelton.

The figures in this table emphasize the tendency toward a shortening of the working day of wage earners. In 1909, 659,855, or 75.2 per cent of the total average number of wage earners for all industries combined, were employed in establishments where the prevailing hours of labor were over 54 per week, while but 441,593, or 47.8 per cent, were so employed in 1914. On the other hand, the number of wage earners whose working hours were 54 per week increased from 109,826, or 12.5 per cent of the total for the state in 1909, to 296,241, or 32 per cent of the total, in 1914. During the five-year period there was a marked increase in the proportion in each of the two classes working less than 54 hours per week.

Among the industries shown separately, the most pronounced decrease in hours of labor is shown in establishments manufacturing silk goods. In 1909 2.8 per cent of the wage earners in this industry were employed in mills operating 54 hours or less per week, but in 1914 the proportion thus employed had increased to 91 per cent. Similar changes occurred in the other textile mills, in boot and shoe factories, and tobacco manufactures.

Of the 578,387 wage earners reported for 71 cities of more than 10,000 inhabitants in 1914, 483,190, or 83.5 per cent, were in establishments operating less than 60 hours per week, while 95,197, or 16.5 per cent, were in establishments in which the hours were 60 or more per week.

In Philadelphia, Pittsburgh, Reading, Scranton, and most of the smaller cities a greater number of wage earners were employed in establishments operating 54 hours per week than in any other class. In Shamokin 92.4 per cent of the total number of wage earners reported were employed 54 hours per week; while 61.6 per cent of the wage earners reported for Johnstown were employed in establishments where the prevailing hours were 72 per week.

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

Table 12 shows a considerable increase in population and manufactures both in the urban and rural districts. During the 15 years covered by the table the value of products for the urban districts, represented by the cities of 10,000 inhabitants or more, increased 66.2 per cent, while that reported for rural districts increased 81.9 per cent. The relative importance of the manufactures as measured by average number of wage earners, value of products, and value added by manufacture, has increased for districts outside the cities, while the proportion of the cities as measured by these items has decreased. Comparisons for the city groups or for the districts outside are affected by the increase in population. The urban districts which comprised 42 cities in 1900 now includes 29 additional cities, each group being affected by the increase.

Table 12

	Census year.	Aggregate.	Cities having a population of 10,000 or over. Total. Number or amount.	Total. Per cent of aggregate.	10,000 to 25,000. Number or amount.	10,000 to 25,000. Per cent of aggregate.	25,000 to 100,000. Number or amount.	25,000 to 100,000. Per cent of aggregate.	100,000 and over. Number or amount.	100,000 and over. Per cent of aggregate.	Districts outside of cities having a population of 10,000 or over. Number or amount.	Districts outside of cities having a population of 10,000 or over. Per cent of aggregate.
Number of places	1914	.....	71	.....	50	.....	17	.....	4	.....	.....	.....
	1910	.....	63	.....	43	.....	17	.....	3	.....	.....	.....
	1900	.....	42	.....	25	.....	14	.....	[1] 3	.....	.....	.....
Population [2]	1914	8,245,967	4,043,560	49.0	779,512	9.5	796,648	9.5	2,467,400	29.9	4,202,407	51.0
	1910	7,665,111	3,653,461	47.7	638,300	8.3	802,381	10.5	2,212,780	28.9	4,011,650	52.3
	1900	6,302,115	2,767,261	43.9	350,403	5.6	569,623	9.0	1,847,235	29.3	3,534,854	56.1
Number of establishments	1914	27,521	15,750	57.2	2,026	7.4	2,735	9.9	10,989	39.9	11,771	42.8
	1909	27,563	15,005	54.4	1,724	6.3	2,955	10.3	10,326	37.5	12,558	45.6
	1899	23,462	12,388	52.8	990	4.2	2,347	10.0	9,051	38.6	11,074	47.2
Average number of wage earners	1914	924,478	578,387	62.6	97,304	10.5	123,487	13.4	357,596	38.7	346,091	37.4
	1909	877,543	549,491	62.6	82,475	9.4	135,451	15.4	331,565	37.8	328,052	37.4
	1899	663,960	431,181	64.9	36,845	5.5	96,628	14.6	297,708	44.8	232,779	35.1
Value of products	1914	$2,832,349,437	$1,785,882,439	63.1	$308,176,833	10.9	$364,558,200	12.9	$1,113,147,406	39.3	$1,046,466,998	36.9
	1909	2,626,742,034	1,653,104,100	62.9	271,859,889	10.3	367,767,198	14.0	1,013,477,013	38.6	973,637,934	37.1
	1899	1,649,882,380	1,074,530,373	65.1	81,717,638	5.0	229,891,021	13.9	762,921,714	46.2	575,352,007	34.9
Value added by manufacture	1914	1,143,428,721	724,705,341	63.4	117,684,196	10.3	142,171,874	12.4	464,849,271	40.7	418,723,380	36.6
	1909	1,044,182,046	663,022,306	63.5	94,696,007	9.1	145,488,889	13.9	422,837,410	40.5	381,159,740	36.5
	1899	691,581,108	451,733,907	65.3	32,318,824	4.7	97,346,042	14.1	322,069,041	46.6	239,847,201	34.7

[1] Includes Allegheny city annexed to Pittsburgh in 1907.

[2] Census estimate of population for 1914.

The 71 cities which contained 49 per cent of the total population in 1914, reported 62.6 per cent of the average number of wage earners, the same proportion as was reported in 1909, while the value of products was 63.1 per cent, an increase of two-tenths of 1 per cent over the proportion at the previous census.

The relative importance in manufactures of each of 63 cities having more than 10,000 inhabitants, as measured by average number of wage earners and value of products, in 1914, 1909, and 1904, is shown in Table 13. The cities are listed in the order of their importance, as measured by value of products. The eight boroughs, Coatesville, Dickson City, Duquesne, Farrell (formerly South Sharon), Monessen, North Braddock, Old Forge, and Steelton, each having a population of 10,000 or over in 1914, which are not shown separately, are grouped under the heading of "all other cities," to avoid disclosure of individual operations.

Table 13

City.	Average number of wage earners. 1914	1909	1904	Value of products. 1914	1909	1904
Philadelphia [1]	251,286	251,294	228,899	$784,499,633	$743,720,228	$591,388,078
Pittsburgh [1]	69,620	67,420	71,618	246,694,018	243,391,960	211,259,153
Reading	24,131	24,145	18,053	53,231,926	51,134,967	30,490,942
Johnstown [1]	12,177	10,233	6,914	50,973,960	46,774,343	28,891,806
South Bethlehem	10,892	7,985	5,754	40,179,381	26,417,103	15,275,411
New Castle [2]	6,381	5,521	5,433	38,384,877	38,340,711	28,923,234
Allentown	13,685	11,481	8,984	33,918,299	26,263,327	16,841,043
McKeesport	6,857	8,246	8,848	33,743,329	42,494,567	23,054,412
Erie [1]	11,016	9,619	8,415	29,447,084	23,812,488	18,639,161
Scranton	12,559	12,851	10,912	28,721,829	[2] 26,364,825	20,453,285
Altoona	10,732	8,409	9,540	22,592,676	16,762,738	14,349,963
York [1]	10,851	9,836	7,952	22,043,328	17,649,592	13,333,359
Chester	6,295	6,986	7,061	21,021,170	19,373,314	16,644,842
Lancaster [1]	8,862	7,955	8,693	20,011,393	15,933,705	14,647,681
Harrisburg	7,966	9,743	7,955	18,872,156	[2] 22,665,328	16,570,715
Wilkes-Barre	8,107	7,553	5,920	16,733,954	13,525,957	10,999,754
Williamsport [1]	6,015	5,594	5,296	15,863,699	13,201,787	11,366,569
Butler [1]	3,303	2,807	2,093	15,006,393	11,033,726	6,832,007
Franklin	1,479	.....	.....	10,608,017	.....	.....
Easton	4,062	3,388	2,720	10,357,227	6,915,345	5,059,064
Pottsville [1]	3,506	2,808	1,904	10,195,800	8,978,913	5,805,788
Lebanon	5,270	5,591	4,387	9,871,443	11,429,063	6,978,458
Pottstown [1]	2,622	3,619	3,457	8,865,860	12,502,394	8,144,723
Warren	1,876	1,489	1,174	8,611,207	5,744,321	4,665,594
Norristown	3,959	3,818	3,517	8,421,430	[2] 7,324,501	5,925,243
Beaver Falls	2,639	2,180	2,232	7,963,420	6,400,338	4,907,536
McKees Rocks [1]	3,548	3,554	.....	7,894,165	9,581,579	.....
Sharon [1]	2,298	2,545	1,812	6,372,998	5,962,278	5,670,924
Phoenixville	2,927	2,599	2,888	6,238,757	5,876,154	5,499,891
Hazleton	2,744	2,682	1,406	5,593,761	4,707,025	2,185,876
Shamokin	2,634	1,623	897	5,541,617	3,544,095	1,443,915
Sunbury	1,718	2,069	1,457	5,115,641	4,450,159	2,592,829
Washington [1]	2,002	1,896	.....	5,093,672	4,310,691	.....
Meadville [1]	1,676	2,036	1,300	$5,057,962	$3,497,957	$2,074,600
Bristol	1,809	.....	.....	5,037,120	.....	.....
Oil City [1]	2,276	1,283	1,557	4,871,981	2,954,892	3,082,208
Bradford	1,178	1,318	1,490	4,034,401	3,886,538	3,191,894
Braddock	1,140	1,040	1,225	4,021,540	5,094,382	4,125,479
Bethlehem	1,496	1,583	.....	3,786,568	3,711,602	.....
Carlisle	1,603	1,334	1,340	3,414,959	2,495,710	1,985,743
Columbia	2,141	2,773	3,034	3,340,702	4,807,068	3,887,087
Carbondale	1,897	1,503	1,475	3,170,410	2,523,387	2,315,695
Chambersburg	1,650	1,364	843	3,075,292	2,456,035	1,085,185
Charleroi	1,904	.....	.....	2,909,338	.....	.....
Dubois [1]	1,105	920	900	2,394,534	1,753,473	1,709,360
Uniontown	776	335	.....	2,237,177	1,346,865	.....
Greater Punxsutawney	710	.....	.....	2,227,620	.....	.....
Latrobe	570	.....	.....	2,213,234	.....	.....
West Chester	894	916	849	2,084,505	2,145,843	2,121,185
Connellsville	1,087	1,035	.....	1,993,557	1,970,936	.....
Pittston	729	792	830	1,899,812	1,969,452	1,474,928
Carnegie [1]	337	337	.....	1,724,111	1,183,545	.....
Tamaqua	974	.....	.....	1,686,748	.....	.....
Shenandoah	475	242	170	1,573,464	887,503	594,637
Greensburg [1]	494	270	.....	1,382,472	687,190	.....
Mount Carmel	978	600	197	1,279,906	785,391	620,396
Dunmore [2]	948	1,019	1,133	1,268,939	1,494,182	1,460,445
Mahanoy City	661	590	238	1,057,349	867,576	431,526
Homestead	260	171	307	1,019,118	659,196	712,830
Nanticoke [1]	747	344	229	995,335	414,701	358,091
Plymouth	478	908	827	831,439	1,178,606	859,542
Wilkinsburg	194	185	184	572,207	538,217	471,960
Taylor	333	.....	.....	244,941	.....	.....
All other cities [3]	22,848	[1] 19,054	4,656	105,791,578	[1] 107,206,331	15,745,628

[1] Figures do not agree with those published in 1909, because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

[2] Figures do not agree with those published in 1909, because certain establishments revised their reports for that census.

[3] All other cities embrace: Coatesville, Dickson City, Duquesne, Farrell (formerly South Sharon), Monessen, North Braddock, Old Forge, and Steelton.

Those cities for which comparative figures are not shown for 1909 and 1904, had less than 10,000 inhabitants each in those years.

In 45 of the cities for which comparative figures are shown in Table 13 there was an increase in the value of products in 1914 over 1909, but only 36 of these show an increase in the average number of wage earners during that period.

Philadelphia, the largest and most important city in the state, occupies a prominent position among the cities of the country in the variety and magnitude of its manufacturing operations. In 1914 its manufactures were valued at $784,499,633, or 27.7 per cent of the total value of the manufactured products of the state, and its industries furnished employment to 251,286 wage earners, 27.2 per cent of the total number.

Table 14 shows the principal industries of cities having a population of over 50,000 inhabitants. For these cities the industries for which figures can be shown without disclosure are arranged in the order of value of products, showing the increase from 1909 to 1914, and also the percentage which the value of products for each industry in the city represents of the corresponding total for the state.

Table 14

City and industry.	Value of products.			
	Amount, 1914.	Per cent of the industry total for the state.	Increase[1] over 1909.	
			Amount.	Per cent.
Allentown.				
Silk goods, including throwsters	$10,209,972	11.7	$2,754,444	36.9
Tobacco manufactures	2,694,602	5.0	1,248,950	86.4
Iron and steel, steel works and rolling mills	(2)	(2)	(2)	(2)
Slaughtering and meat packing				
Altoona.				
Lumber, planing-mill products	384,743	0.8	135,181	54.2
Cars and general shop construction and repairs by steam-railroad companies	(2)	(2)	(2)	(2)
Silk goods, including throwsters				
Erie.				
Foundry and machine-shop products	8,829,962	3.8	528,335	6.4
Flour-mill and gristmill products	1,469,852	3.4	627,107	74.4
Slaughtering and meat packing	1,272,986	1.9	315,871	33.0
Liquors, malt	1,101,755	2.2	175,824	19.0
Harrisburg.				
Iron and steel, steel works and rolling mills	4,028,321	0.9	−3,592,602	−47.1
Printing and publishing	1,039,195	1.2	85,217	8.9
Cars and general shop construction and repairs by steam-railroad companies	(2)	(2)	(2)	(2)
Slaughtering and meat packing				
Johnstown.				
Iron and steel, steel works and rolling mills	(2)	(2)	(2)	(2)
Iron and steel, blast furnaces				
Foundry and machine-shop products				
Philadelphia.				
Printing and publishing	55,340,336	65.1	9,533,405	20.8
Woolen, worsted, and felt goods, and wool hats	45,980,265	71.4	−8,941,831	−16.3
Sugar, refining, not including beet sugar	45,936,147	100.0	(3)	(3)
Foundry and machine-shop products	38,047,027	16.3	−186,620	−0.5
Clothing, women's	34,142,518	92.1	4,009,676	13.3
Hosiery and knit goods	31,350,085	48.9	7,379,345	30.8
Clothing, men's, including shirts	29,153,294	72.2	152,395	0.5
Slaughtering and meat packing	26,484,332	40.1	4,405,701	20.0
Philadelphia—Continued.				
Leather, tanned, curried, and finished	$23,557,091	27.6	$30,670	0.1
Bread and other bakery products	21,809,150	40.3	2,790,674	14.7
Carpets and rugs, other than rag	20,586,553	89.1	−2,041,984	−9.0
Cotton goods, including cotton small wares	19,383,216	59.8	−2,919,798	−13.1
Liquors, malt	13,908,391	27.6	−348,600	−2.4
Tobacco manufactures	12,733,281	23.5	−695,476	−5.2
Chemicals	11,444,625	51.1	1,801,923	18.7
Furniture and refrigerators	11,148,177	44.3	3,096,642	38.5
Petroleum, refining	(2)	(2)	(2)	(2)
Gas, illuminating and heating				
Pittsburgh.				
Iron and steel, steel works and rolling mills	61,007,875	13.6	−21,298,752	−25.9
Foundry and machine-shop products	27,778,275	11.9	[4] 5,006,305	22.0
Slaughtering and meat packing	[5] 17,946,949	27.2	4,840,214	36.9
Iron and steel, blast furnaces	16,982,402	12.5	−3,685,621	−17.8
Canning and preserving	11,492,328	76.9	5,290,498	85.3
Printing and publishing	10,824,739	12.7	1,753,850	19.3
Cars and general shop construction and repairs by steam-railroad companies	9,706,953	10.4	1,151,289	13.5
Bread and other bakery products	9,363,270	17.3	1,309,433	16.3
Liquors, malt	5,200,263	10.3	−219,441	−4.0
Iron and steel, wrought pipe	(2)	(2)	(2)	(2)
Reading.				
Hosiery and knit goods	6,500,704	10.1	1,949,617	42.8
Cars and general shop construction and repairs by steam-railroad companies	6,098,040	6.5	437,112	7.7
Iron and steel, wrought pipe	(2)	(2)	(2)	(2)
Scranton.				
Silk goods, including throwsters	5,754,859	6.6	−875,989	−13.2
Liquors, malt	2,458,371	4.9	511,458	26.3
Printing and publishing	2,078,509	2.4	769,208	58.7
Foundry and machine-shop products	1,569,346	0.7	−648,868	−29.3
Wilkes-Barre.				
Carriages and wagons and materials	(2)	(2)	(2)	(2)
Liquors, malt				
Cotton lace				
Wire				

[1] A minus sign (−) denotes decrease.
[2] Relative rank can not be shown without disclosing individual operations.
[3] Figures not shown, to avoid disclosing individual operations.
[4] Figures do not agree with those published in 1909 owing to a revision of the classification of one establishment.
[5] Excludes statistics for one establishment, to avoid disclosure of individual operations.

Philadelphia produced all of the sugar, 92.1 per cent of the women's clothing, and 89.1 per cent of the carpets and rugs, other than rag, manufactured in the state in 1914. There are several other industries shown in the table in which the value of products represents more than one-half of that reported for the industry in the state.

In addition to the 175 industries presented separately for Philadelphia in Table 59, there were 98 others which were included under "all other industries," to avoid disclosure of individual operations. Some of these industries were among the most important in the city, 20 reporting products exceeding $1,000,000 in value.[1] Of these, 2 reported products valued at $10,000,000 or over, 2, products between $5,000,000 and $10,000,000 and 16, products between $1,000,000 and $5,000,000.

[1] These industries are:

Agricultural implements.
Bags, other than paper.
Buttons.
Cars, electric-railroad, not including operations of railroad companies.
Chocolate and cocoa products, not including confectionery.
Files.
Gas, illuminating and heating.
Hardware.
Liquors, distilled.
Lithographing.
Locomotives.
Oilcloth and linoleum.
Petroleum, refining.
Roofing materials.
Sand and emery paper and cloth.
Saws.
Shipbuilding, including boat building.
Sporting and athletic goods.
Upholstering materials.
Waste.

The totals presented for Philadelphia and the state as a whole do not include the statistics for 4 establishments located in the city and operated by the Federal Government, namely, the Frankford Arsenal, with an average of 2,121 wage earners and products valued at $5,280,399; the United States navy yard, with 2,087 wage earners and products valued at $3,439,198; the Philadelphia depot of the Quartermaster's Department, with 395 wage earners and products valued at $2,477,196; and the depot of supplies of the United States Marine Corps, with 257 wage earners and products valued at $629,738. The 4 establishments combined reported 4,860 wage earners and products valued at $11,826,531.

Pittsburgh, the second largest city in the state, with a value of products of nearly $250,000,000, has for its leading industries those which use ore and metal as the principal materials, such as steel works and rolling mills, blast furnaces, and foundries and machine shops. The combined output of these three industries in 1914 formed 42.9 per cent of the total value of all manufactured products for the city.

Of the 10 industries presented in the table for which the value of products in 1914 exceeded $5,000,000, slaughtering and meat packing and canning and preserving formed the highest per cent of the industry totals for the state, the percentages being 27.2 for the former and 76.9 for the latter.

Reading ranked third among the manufacturing cities of the state in 1914. Hosiery and knit goods was the leading industry, the value of products, $6,500,704, representing 12.2 per cent of the value of the city's manufactures. The value of work done in steam-railroad repair shops amounted to $6,098,040; the production of wrought-iron pipe was also an important factor, but statistics for this industry can not be given without disclosing individual operations.

Johnstown, the fourth city in the state in value of manufactures, showed an increase in 1914 over 1909 of $4,199,617, or 9 per cent. The manufacturing activities were confined largely to the iron and steel industries, statistics for which can not be given without disclosing individual operations.

Allentown ranked seventh in the state in 1914 and ninth in 1909 in the value of its manufactured products, and showed an increase of $7,654,972, or 29.1 per cent, during the five years. The manufacture of silk goods, including throwsters, was the leading industry, the value of such products amounting to $10,209,972, or an increase of 36.9 per cent over 1909. Steel works and rolling mills and slaughtering and meat packing were the two important industries for which statistics can not be disclosed. Tobacco manufactures showed an increase of 86.4 per cent over the preceding census.

Erie, with a value of products of $29,447,084 for 1914, showed an increase over 1909 of $5,634,596, or 23.7 per cent. The output of foundry and machine-shop products was valued at $8,829,962, or 30 per cent of the total value of manufactures of the city. Flour mills and gristmills, slaughtering and meat packing, and breweries also contribute to the industrial importance of the city.

Scranton, the third city of the state in population, held tenth place when measured by value of manufactures. This is due primarily to the considerable portion of the population of the city employed in the coal mines of the vicinity. The silk mills, manufacturing products to the value of $5,754,859, lead all other industries. Breweries, printing and publishing plants, and foundry and machine shops were also of industrial importance.

In Altoona the operations of steam-railroad repair shops and the manufacture of silk goods were the leading industries, but statistics for neither can be shown without disclosing individual operations.

The chief industries of Harrisburg are the operation of steel works and rolling mills, steam-railroad repair shops, slaughtering and meat packing, and printing and publishing.

Wilkes-Barre manufactured products valued at $16,733,954 in 1914, an increase over 1909 of $3,207,997, or 23.7 per cent. The leading industries are the manufacture of carriages and wagons and materials, malt liquors, cotton lace, and wire.

The principal industries of the other incorporated places appearing in Table 13 are shown in the following statement:

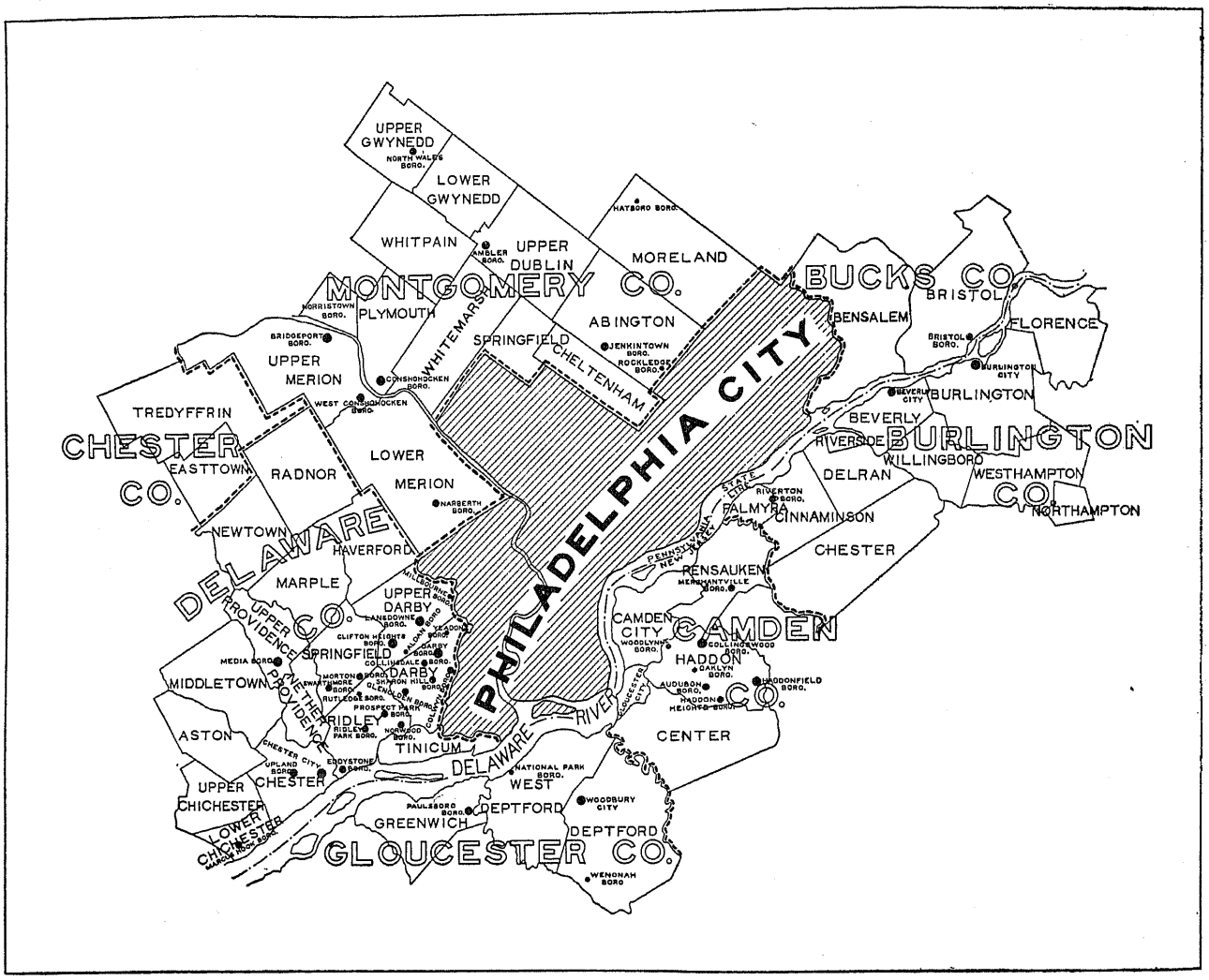
CITY.	Industries.
Beaver Falls	Foundry and machine-shop products. Lumber, planing-mill products. Signs and advertising novelties.
Bethlehem	Silk goods, including throwsters. Structural ironwork, not made in steel works or rolling mills. Flour-mill and gristmill products.
Braddock	Iron and steel, steel works and rolling mills. Iron and steel forgings. Bread and other bakery products.
Bradford	Foundry and machine-shop products. Petroleum, refining. Lumber, planing-mill products.
Bristol	Worsted goods. Carpets and rugs, other than rag. Wall paper, not made in paper mills.
Butler	Cars, steam-railroad, not including operations of rail road companies. Glass. Foundry and machine-shop products.
Carbondale	Cars and general shop construction and repairs by steam-railroad companies. Silk goods, including throwsters. Copper, tin, and sheet-iron work.
Carlisle	Boots and shoes. Foundry and machine-shop products. Silk goods, including throwsters.
Carnegie	Structural ironwork, not made in steel works or rolling mills. Liquors, malt. Slaughtering and meat packing.
Chambersburg	Foundry and machine-shop products. Cars and general shop construction and repairs by steam-railroad companies. Silk goods, including throwsters.
Charleroi	Glass. Iron and steel, steel works and rolling mills. Lumber, planing-mill products.
Chester	Cotton goods. Iron and steel, steel works and rolling mills. Worsted goods.

CITY.	Industries.
Coatesville	Iron and steel, steel works and rolling mills. Slaughtering and meat packing. Fertilizers.
Columbia	Silk goods, including throwsters. Iron and steel, steel works and rolling mills. Stoves and hot-air furnaces, except gas and oil stoves.
Connellsville	Cars and general shop construction and repairs by steam-railroad companies. Liquors, malt. Foundry and machine-shop products.
Dickson City	Silk goods, including throwsters. Fuel, manufactured. Mineral and soda waters.
Dubois	Cars and general shop construction and repairs by steam-railroad companies. Liquors, malt. Foundry and machine-shop products.
Dunmore	Liquors, malt. Cars and general shop construction and repairs by steam-railroad companies. Stoves and hot-air furnaces, except gas and oil stoves.
Duquesne	Iron and steel, steel works and rolling mills. Iron and steel, blast furnaces. Liquors, malt.
Easton	Silk goods, including throwsters. Paints. Cars and general shop construction and repairs by steam-railroad companies.
Farrell	Iron and steel, steel works and rolling mills. Tin plate and terneplate. Iron and steel, blast furnaces.
Franklin	Oil, not elsewhere specified. Foundry and machine-shop products. Iron and steel, steel works and rolling mills.
Greater Punxsutawney	Coke. Iron and steel, blast furnaces. Glass.
Greensburg	Glass. Bread and other bakery products. Lumber, planing-mill products.
Hazleton	Silk goods, including throwsters. Shirts. Pumps, steam.
Homestead	Steam fittings and steam and hot-water heating apparatus. Bread and other bakery products. Liquors, malt.
Lancaster	Oilcloth and linoleum. Umbrellas and canes. Tobacco, cigars and cigarettes.
Latrobe	Iron and steel, steel works and rolling mills. Liquors, malt. Woolen goods.
Lebanon	Iron and steel, steel works and rolling mills. Iron and steel, blast furnaces. Millinery and lace goods.
McKeesport	Iron and steel, steel works and rolling mills. Iron and steel, blast furnaces. Slaughtering and meat packing.
McKees Rocks	Iron and steel, steel works and rolling mills. Cars and general shop construction and repairs by steam-railroad companies. Foundry and machine-shop products.
Mahanoy City	Liquors, malt. Shirts. Bread and other bakery products.
Meadville	Corsets. Brass, bronze, and copper products. Liquors, distilled.
Monessen	Iron and steel, steel works and rolling mills. Tin plate and terneplate. Iron and steel, blast furnaces.
Mount Carmel	Tobacco, cigars and cigarettes. Slaughtering and meat packing. Hosiery and knit goods.
Nanticoke	Tobacco, cigars and cigarettes. Liquors, malt. Gas, illuminating and heating.
New Castle	Iron and steel, steel works and rolling mills. Tin plate and terneplate. Iron and steel, blast furnaces.
Norristown	Hosiery and knit goods. Foundry and machine-shop products. Tobacco, cigars and cigarettes.
North Braddock	Brick and tile. Bread and other bakery products.
Oil City	Foundry and machine-shop products. Engines, steam, gas, and water. Cars and general shop construction and repairs by steam-railroad companies.
Old Forge	Silk goods, including throwsters. Bread and other bakery products. Mineral and soda waters.
Phoenixville	Iron and steel, steel works and rolling mills. Hosiery and knit goods. Foundry and machine-shop products.
Pittston	Liquors, malt. Silk goods, including throwsters. Stoves and hot-air furnaces, except gas and oil stoves.
Plymouth	Hosiery and knit goods. Flour-mill and gristmill products. Foundry and machine-shop products.
Pottstown	Iron and steel, blast furnaces. Iron and steel, steel works and rolling mills. Structural ironwork, not made in steel works or rolling mills.
Pottsville	Iron and steel, steel works and rolling mills. Slaughtering and meat packing. Silk goods, including throwsters.
Shamokin	Silk goods, including throwsters. Hosiery and knit goods. Slaughtering and meat packing.
Sharon	Iron and steel, steel works and rolling mills. Iron and steel, blast furnaces. Automobiles.
Shenandoah	Liquors, malt. Slaughtering and meat packing. Bread and other bakery products.
South Bethlehem	Iron and steel, steel works and rolling mills. Iron and steel, blast furnaces. Tobacco, cigars and cigarettes.
Steelton	Iron and steel, steel works and rolling mills. Iron and steel, blast furnaces. Flour-mill and gristmill products.
Sunbury	Silk goods, including throwsters. Dyeing and finishing textiles. Flour-mill and gristmill products.
Tamaqua	Hosiery and knit goods. Cars and general shop construction and repairs by steam-railroad companies. Foundry and machine-shop products.
Taylor	Silk goods, including throwsters. Grease and tallow. Bread and other bakery products.
Uniontown	Liquors, malt. Stamped and enameled ware. Steam fittings and steam and hot-water heating apparatus.
Warren	Petroleum, refining. Foundry and machine-shop products. Furniture.
Washington	Glass. Slaughtering and meat packing. Liquors, malt.
West Chester	Dairymen's, poultrymen's, and apiarists' supplies. Carriage and wagon materials. Labels and tags.
Wilkinsburg	Lumber, planing-mill products. Marble and stone work. Ice, manufactured.
Williamsport	Silk goods, including throwsters. Leather, tanned, curried, and finished. Foundry and machine-shop products.
York	Foundry and machine-shop products. Silk goods, including throwsters. Wall paper, not made in paper mills.

Philadelphia metropolitan district.—The Philadelphia metropolitan district, which was third in the United States in importance of manufactures in 1914, embraces 437,733 acres of territory, of which 83,340 acres represents the area of Philadelphia. As defined by the census of 1914, the metropolitan district comprised in addition to the city of Philadelphia, 97 cities, boroughs, and townships, situated in Bucks, Chester,

Delaware, and Montgomery Counties in Pennsylvania; and Burlington, Camden, and Gloucester Counties in New Jersey.

The estimated population of the district on July 1, 1914, was 2,121,153, that of Philadelphia being 1,657,810; Camden, 102,465; Chester, 40,474; Norristown, 30,265; Gloucester, 10,577; Bristol, 10,172; and for the remainder of the district it was 269,390. The accompanying outline map of the district shows the city of Philadelphia and the other cities, boroughs, and townships.



Summary for the district.—Table 15 summarizes, for 1914, the statistics of manufactures for the Philadelphia metropolitan district; for the cities of Philadelphia, Pa.; Camden, N. J.; Chester, Pa.; and Gloucester, N. J.; for the boroughs of Bristol, Pa., and Norristown, Pa.; and for the remainder of the district. The percentage which the figures for Philadelphia represent of the total for the district is shown for each item.

Table 15

	PHILADELPHIA METROPOLITAN DISTRICT.									Per cent Philadelphia is of total for district.
	The district.	Philadelphia.	District, exclusive of Philadelphia.							
			Total.	Camden.	Chester.	Norristown.	Gloucester.	Bristol.	Remainder.[1]	
Population [2]	2,121,153	1,657,810	463,343	102,465	40,474	30,265	10,577	10,172	269,390	78.2
Number of establishments	9,710	8,454	1,256	345	153	105	23	32	598	87.1
Persons engaged	369,854	294,643	75,211	25,758	7,127	4,368	2,099	1,920	33,939	79.7
Proprietors and firm members	10,069	8,987	1,082	253	143	86	15	29	556	88.3
Salaried employees	41,477	34,370	7,107	2,964	689	323	139	82	2,910	82.9
Wage earners (average number)	318,308	251,286	67,022	22,541	6,295	3,959	1,945	1,809	30,473	78.9
Primary horsepower	647,400	465,678	181,722	39,670	19,160	6,669	3,068	4,487	108,668	71.9
Capital	$1,041,154,917	$772,695,709	$268,459,208	$101,461,096	$25,148,453	$9,173,067	$6,109,558	$4,212,611	$122,354,423	74.2
Salaries and wages	232,398,464	185,484,591	46,913,873	16,901,519	4,542,286	2,301,694	958,925	926,922	21,282,527	79.8
Salaries	57,330,483	47,235,147	10,095,336	3,923,507	1,036,276	482,899	220,211	115,514	4,316,929	82.4
Wages	175,067,981	138,249,444	36,818,537	12,978,012	3,506,010	1,818,795	738,714	811,408	16,965,598	79.0
Paid for contract work	9,759,948	9,192,176	567,772	55,718	74,318	56,023	.....	4,528	377,185	94.2
Rent and taxes (including internal revenue)	19,596,134	17,659,419	1,936,715	857,729	193,517	208,089	42,900	22,145	612,335	90.1
Cost of materials	574,869,618	451,197,191	123,672,427	36,093,773	13,100,883	4,423,583	3,213,355	4,136,902	62,703,931	78.5
Value of products	997,972,802	784,499,633	213,473,169	71,823,905	21,021,170	8,421,430	4,710,951	5,037,120	102,458,593	78.6
Value added by manufacture (value of products less cost of materials)	423,103,184	333,302,442	89,800,742	35,730,132	7,920,287	3,997,847	1,497,596	900,218	39,754,662	78.8

[1] Includes two plants located outside of the district.

[2] Estimated population, July 1, 1914.

In 1914 the metropolitan district contained 9,710 establishments, which gave employment to 369,854 persons, of whom 318,308 were wage earners. These establishments expended $232,398,464 in salaries and wages, and manufactured products valued at $997,972,802, in the production of which materials costing $574,869,618 were utilized. The value added by manufacture was $423,103,184.

Comparison with earlier censuses.—Table 16 is a comparative summary for the district as a whole, for 1914 and 1909.

Table 16

	PHILADELPHIA METROPOLITAN DISTRICT.		Per cent of increase,[1] 1909–1914.
	1914	1909	
Population	[2] 2,121,153	[3] 1,972,342	7.5
Number of establishments	9,710	9,568	1.5
Persons engaged	369,854	358,218	3.2
Proprietors and firm members	10,069	10,263	−1.9
Salaried employees	41,477	39,008	6.3
Wage earners (average number)	318,308	308,947	3.0
Primary horsepower	647,400	497,453	30.1
Capital	$1,041,154,917	$863,968,450	20.5
Salaries and wages	232,398,464	200,933,659	15.7
Salaries	57,330,483	46,619,252	23.0
Wages	175,067,981	154,314,407	13.4
Paid for contract work	9,759,948	(4)	.....
Rent and taxes (including internal revenue)	19,596,134	(4)	.....
Cost of materials	574,869,618	529,992,413	8.5
Value of products	997,972,802	911,014,010	9.5
Value added by manufacture (value of products less cost of materials)	423,103,184	381,021,597	11.0

[1] A minus sign (—) denotes decrease.
[2] Estimated population July 1, 1914.
[3] Population of Apr. 15, 1910.
[4] Figures not available.

An increase over 1909 is shown in all comparable items of this table except proprietors and firm members, which shows less than 2 per cent decrease. The largest per cent of increase, 30.1 per cent, is shown for primary horsepower; salaries show a gain of 23 per cent; and the capital invested increased 20.5 per cent.

Comparative summary, by industries.—Table 17 presents, for 1914 and 1909, statistics for 29 selected industries of the district shown separately, and the remainder grouped under the head of "all other industries." In this group are included, in addition to the minor industries, some large establishments for which figures can not be published without disclosing individual operations.

Flour mills and gristmills, the textile and the iron and steel industries are the only ones shown in the table in which 50 per cent or more of the value of products was reported by establishments located outside the corporate limits of Philadelphia. The entire output of electrical machinery and fur-felt hats and almost the total production of clothing factories and printing and publishing establishments were reported by Philadelphia.

Table 17

COMPARATIVE SUMMARY FOR THE PHILADELPHIA METROPOLITAN DISTRICT, BY SELECTED INDUSTRIES: 1914 AND 1909.

INDUSTRY.	Census year.	Number of establishments.	Persons engaged in industry. Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
								Expressed in thousands.					
All industries	1914	9,710	369,854	10,069	41,477	318,308	647,400	$1,041,155	$57,330	$175,068	$574,870	$997,973	$423,103
	1909	9,568	358,218	10,263	39,008	308,947	497,453	863,968	46,619	154,314	529,992	911,014	381,022
Boots and shoes, including cut stock and findings.	1914	78	5,752	81	413	5,258	2,210	5,894	539	2,952	5,836	11,269	5,433
	1909	82	5,286	98	394	4,794	1,279	5,174	533	2,173	5,037	8,827	3,790
Bread and other bakery products	1914	1,222	8,313	1,222	900	6,191	5,318	16,333	1,042	3,651	14,385	24,166	9,781
	1909	1,387	7,810	1,411	1,140	5,259	4,460	16,083	966	2,976	12,866	21,106	8,240
Cars and general shop construction and repairs by steam-railroad companies.	1914	14	4,736	.....	266	4,470	10,838	5,322	376	3,560	3,670	7,638	3,968
	1909	14	4,478	.....	388	4,090	2,786	5,012	281	2,849	2,892	6,182	3,290
Chemicals	1914	25	4,085	8	386	3,691	9,066	22,274	715	2,172	10,763	18,664	7,901
	1909	23	2,677	18	326	2,333	5,946	15,621	497	1,341	7,793	11,721	3,928
Clothing	[1] 1914	892	29,962	1,318	3,113	25,531	4,952	29,955	3,392	12,817	33,851	63,926	30,075
	1909	816	30,293	1,304	2,736	26,253	4,657	25,922	2,843	12,705	31,468	59,792	28,324
Coffee and spice, roasting and grinding	1914	57	935	61	339	535	1,900	2,197	509	277	4,009	5,673	1,664
	1909	69	728	85	251	392	1,367	1,916	229	196	3,846	5,034	1,188
Confectionery	1914	159	3,959	161	383	3,415	3,620	5,053	569	1,288	5,171	8,949	3,778
	1909	149	3,667	157	377	3,133	1,887	4,580	463	1,081	4,675	7,862	3,187
Copper, tin, and sheet-iron products	1914	177	3,991	224	495	3,272	2,352	8,129	680	1,925	4,217	8,136	3,919
	1909	148	3,615	175	400	3,040	2,129	6,683	421	1,623	4,442	7,727	3,285
Electrical machinery, apparatus, and supplies	1914	[2] 51	3,181	34	658	2,489	4,540	8,965	891	1,393	4,405	8,869	4,464
	1909	49	2,355	27	539	1,789	2,769	6,803	574	935	3,291	7,146	3,855
Fertilizers	1914	10	1,027	4	160	863	2,614	5,498	299	466	3,718	5,177	1,459
	1909	12	1,068	9	152	907	3,546	4,864	238	429	3,533	4,959	1,426
Flour-mill and gristmill products	1914	43	357	53	54	250	3,182	2,229	47	171	4,794	5,676	882
	1909	63	332	83	44	205	3,352	1,593	55	121	4,349	5,037	688
Foundry and machine-shop products	1914	743	26,951	679	3,775	22,497	36,991	78,727	5,120	14,846	26,003	55,556	29,553
	1909	635	29,508	571	3,838	25,099	36,505	79,759	4,712	14,782	29,229	59,633	30,404
Furniture and refrigerators	1914	164	5,791	178	813	4,800	5,656	13,695	1,061	3,139	5,226	11,997	6,771
	1909	151	4,189	166	497	3,526	4,065	7,648	619	2,010	3,842	8,306	4,464
Gas, illuminating and heating	1914	12	3,518	.....	1,537	1,981	6,108	57,605	1,359	866	5,648	14,370	8,722
	1909	12	3,256	.....	1,063	2,193	6,828	38,273	946	996	3,072	12,383	9,311

[1] Includes both men's and women's clothing.
[2] Excludes statistics for establishments located outside of the corporate limits of Philadelphia, to avoid disclosure of individual operations. The figures for these establishments are included under the head of "all other industries."

Table 17—Continued.

COMPARATIVE SUMMARY FOR THE PHILADELPHIA METROPOLITAN DISTRICT, BY SELECTED INDUSTRIES: 1914 AND 1909.

INDUSTRY.	Census year.	Number of establishments.	Persons engaged in industry. Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
								Expressed in thousands.					
Hats, fur-felt	1914	17	6,089	14	212	5,863	5,222	$18,384	$339	$3,634	$3,262	$9,914	$6,652
	1909	[1] 27	6,080	34	221	5,825	4,163	13,337	341	3,101	3,563	10,402	6,839
Iron and steel	1914	56	12,121	22	1,306	10,793	124,687	48,462	2,076	6,599	18,052	29,774	11,722
	1909	52	12,395	24	1,094	11,277	56,875	42,078	1,630	6,480	18,683	32,214	13,531
Leather, tanned, curried, and finished	1914	44	7,413	39	506	6,868	14,109	24,665	961	3,758	26,673	35,338	8,665
	1909	57	8,301	46	503	7,752	10,803	23,208	843	3,950	24,290	33,626	9,336
Liquors, malt	1914	42	2,321	22	387	1,912	14,208	31,172	1,257	1,681	4,449	15,105	10,656
	1909	52	2,410	32	423	1,955	14,031	29,919	1,095	1,512	4,169	15,179	11,010
Lumber and timber products	1914	125	4,452	143	389	3,920	11,591	9,001	526	2,364	5,796	9,969	4,173
	1909	126	4,385	128	342	3,915	9,612	7,330	395	2,221	5,452	9,443	3,991
Millinery and lace goods, not elsewhere specified.	1914	96	3,270	142	220	2,908	627	3,647	237	1,244	2,250	5,608	3,358
	1909	96	3,941	131	275	3,535	569	2,814	228	1,182	3,231	5,921	2,690
Paint and varnish	1914	64	2,425	51	625	1,749	7,086	13,329	953	1,068	7,482	11,310	3,828
	1909	61	2,020	54	415	1,551	5,451	11,678	656	864	6,571	10,108	3,537
Paper and wood pulp	1914	14	2,159	4	140	2,015	17,206	9,395	293	1,110	4,468	7,306	2,838
	1909	14	1,905	7	133	1,765	14,410	6,991	237	876	3,412	5,870	2,458
Paper goods, not elsewhere specified	1914	34	1,950	27	379	1,544	1,593	4,466	450	690	3,022	5,065	2,043
	1909	38	1,777	35	319	1,423	1,500	3,416	328	563	2,342	3,908	1,566
Patent medicines and compounds and druggists' preparations.	1914	167	3,588	121	1,032	2,435	2,082	12,238	1,451	1,049	5,545	12,549	7,004
	1909	194	3,422	164	962	2,296	2,103	10,460	1,138	962	4,329	10,098	5,769
Printing and publishing	[2] 1914	1,063	22,326	1,028	6,013	15,285	19,961	56,463	7,243	10,349	18,775	56,374	37,599
	1909	1,037	21,650	991	6,471	14,188	12,750	43,747	5,994	8,514	15,614	46,676	31,062
Slaughtering and meat packing	1914	72	1,879	79	340	1,460	3,899	6,009	419	1,046	25,617	29,008	3,391
	1909	98	1,633	127	240	1,266	3,712	5,334	312	899	21,922	24,726	2,804
Soap	1914	36	1,539	36	361	1,142	2,018	6,115	493	664	6,880	10,465	3,585
	1909	41	1,336	44	295	997	1,840	4,637	347	473	5,838	8,643	2,805
Textiles	[3] 1914	[4] 777	80,952	735	4,327	75,890	107,082	162,003	7,343	34,919	110,313	177,237	66,924
	1909	[1] 775	81,841	842	3,701	77,298	104,703	163,989	5,724	31,562	109,143	175,061	65,918
Tobacco manufactures	1914	479	9,667	519	622	8,526	920	9,132	823	3,388	6,249	14,759	8,510
	1909	558	9,117	601	636	7,880	1,328	9,275	768	3,090	6,049	15,578	9,529
All other industries	1914	2,977	105,145	3,064	11,326	90,755	215,762	364,798	15,867	51,982	194,341	318,126	123,785
	1909	2,732	96,743	2,899	10,833	83,011	172,027	265,824	13,206	43,848	175,049	277,846	102,797

[1] Excludes statistics for establishments located outside of the corporate limits of Philadelphia, to avoid disclosure of individual operations. The figures for these establishments are included under the head of "all other industries."
[2] Includes "printing and publishing, newspapers and periodicals"; "printing and publishing, book and job"; "printing and publishing, music"; "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."
[3] Includes "carpets and rugs, other than rag"; "cordage and twine and jute and linen goods"; "cotton goods, including cotton small wares"; "dyeing and finishing textiles"; "hosiery and knit goods"; "shoddy"; "silk and silk goods, including throwsters"; and "woolen, worsted, and felt goods, including wool hats."
[4] Includes two plants (combined in one report) located outside of metropolitan district.

Pittsburgh metropolitan district.—The Pittsburgh metropolitan district, which ranked fourth among the metropolitan districts of the United States in manufacturing in 1914, embraces 405,880 acres of territory, of which 26,511 acres constitute the land area of Pittsburgh, and 379,369 the outside territory.

The estimated population of Pittsburgh in 1914 was 564,878 and that of the outside territory 591,971, the total for the district being 1,156,849. As defined by the census of 1914, the metropolitan district comprised 119 cities, boroughs, and townships, a list of which is given below.

ALLEGHENY COUNTY.

Aleppo township.
Aspinwall borough.
Avalon borough.
Baldwin township.
Bellevue borough.
Ben Avon borough.
Bethel township.
Braddock borough.
Braddock township.
Bridgeville borough.
Carnegie borough.
Carrick borough.
Chartiers township.
Cheswick borough.

ALLEGHENY COUNTY—Continued.

Clairton borough.
Collier township.
Coraopolis borough.
Crafton borough.
Crescent township.
Dormont borough.
Dravosburg borough.
Duquesne borough.
East Deer township.
East McKeesport borough.
East Pittsburgh borough.
Edgewood borough.
Edgeworth borough.
Elizabeth borough.

ALLEGHENY COUNTY—Continued.

Elizabeth township.
Emsworth borough.
Etna borough.
Forward township.
Glassport borough.
Glenfield borough.
Greentree borough.
Harmar township.
Hays borough.
Haysville borough.
Heidelberg borough.
Homestead borough.
Ingram borough.
Jefferson borough.
Kennedy township.
Kilbuck township.
Knoxville borough.
Leet township.
Leetsdale borough.
Lincoln township.
Lower St. Clair township.
McKeesport city.
McKees Rocks borough.
Mifflin township.
Millvale borough.
Moon township.
Mount Olivet borough.
Munhall borough.
Neville township.
North Braddock borough.
North Fayette township.
North Versailles township.
Oakdale borough.
Oakmont borough.
O'Hara township.
Osburn borough.
Patton township.
Penn township.
Pitcairn borough.

ALLEGHENY COUNTY—Continued.

Pittsburgh city.
Plum township.
Port Vue borough.
Rankin borough.
Reserve township.
Robinson township.
Ross township.
St. Clair borough.
Scott township.
Sewickley borough.
Shaler township.
Sharpsburg borough.
Snowden township.
South Fayette township.
South Versailles township.
Spring Garden borough.
Springdale borough.
Springdale township.
Stowe township.
Swissvale borough.
Tarentum borough.
Thornburg borough.
Trafford borough (part of).
Turtle Creek borough.
Union township.
Upper St. Clair township.
Verona borough.
Versailles borough.
Versailles township.
Wall borough.
West Elizabeth borough.
West Homestead borough.
Westview borough.
Whitaker borough.
Wilkins township.
Wilkinsburg borough.
Wilmerding borough.
Wilson borough.

WASHINGTON COUNTY.

Finleyville borough.
Union township.

WESTMORELAND COUNTY.

Arnold borough.
Irwin borough.
Jeanette borough.
Lower Burrell township.

WESTMORELAND COUNTY—Continued.

Manor borough.
New Kensington borough.
North Huntingdon township.
North Irwin borough.
Parnassus borough.
Penn borough.
Penn township.
Trafford borough (part of).

The accompanying outline map shows the boundaries of the district and the principal cities and boroughs.

Summary for the district.—Table 18 summarizes, for 1914, the statistics of manufactures for the Pittsburgh metropolitan district, for the cities of Pittsburgh and McKeesport, Wilkinsburg, Homestead, Braddock, McKees Rocks, Carnegie, and for the remainder of the state. The percentage which the figures for Pittsburgh represent of the total for the district is shown in the case of each item.

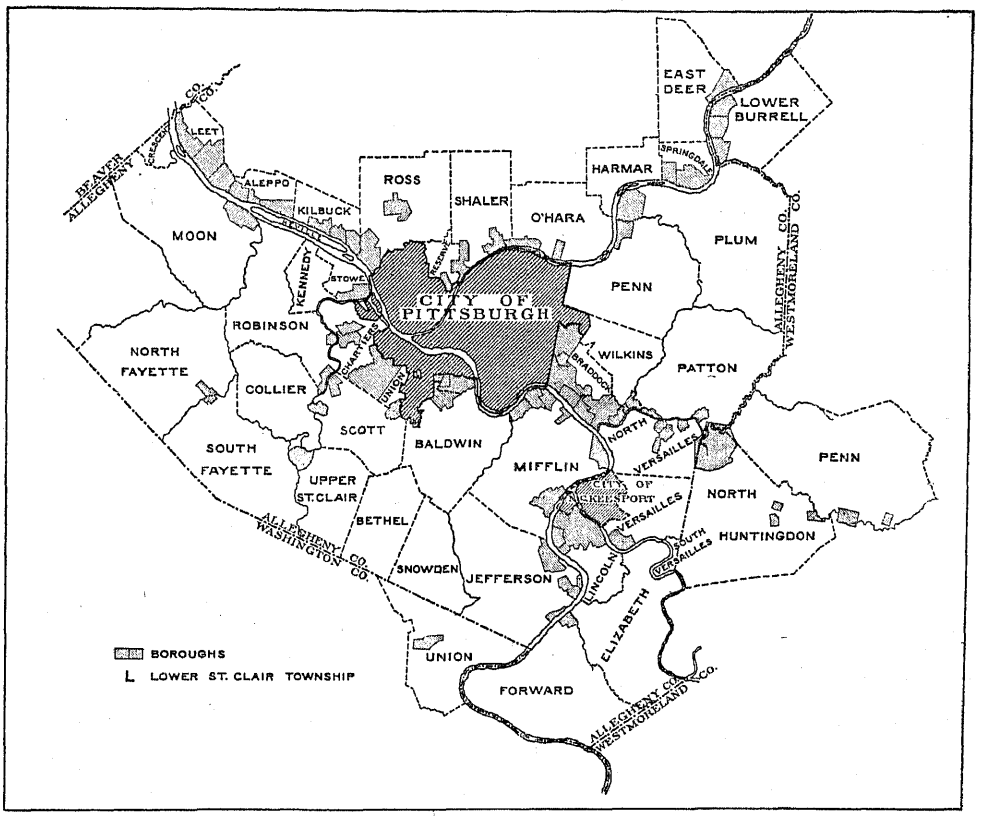


Table 18	PITTSBURGH METROPOLITAN DISTRICT.										Per cent Pittsburgh is of total for district.
	The district.	Pittsburgh.	District exclusive of Pittsburgh.								
			Total.	McKeesport.	Wilkinsburg.	Homestead.	Braddock.	McKees Rocks.	Carnegie.	Remainder.[1]	
Population[2]	1,156,849	564,878	591,971	45,965	21,701	21,256	20,935	18,258	11,150	452,706	48.8
Number of establishments	2,479	1,741	733	73	29	30	39	30	19	509	70.2
Persons engaged	177,328	83,395	93,933	7,833	254	360	1,339	3,887	432	79,833	47.0
Proprietors and firm members	2,167	1,530	637	65	23	26	38	30	17	388	72.9
Salaried employees	24,248	12,185	12,063	916	37	74	161	309	78	10,488	50.3
Wage earners (average number)	149,913	69,620	80,293	6,857	194	260	1,140	3,548	337	67,957	46.4
Primary horsepower	910,245	308,823	601,422	55,539	1,094	1,276	8,266	11,534	1,342	522,311	33.9
Capital	$705,660,139	$309,217,271	$396,442,868	$42,482,263	$560,462	$1,480,478	$5,214,683	$10,885,543	$2,202,451	$333,616,988	43.8
Salaries and wages	136,352,480	61,369,040	74,983,440	6,440,712	184,330	256,004	1,022,671	2,848,110	327,845	63,903,708	45.0
Salaries	33,542,199	16,300,808	17,241,391	1,192,414	39,898	78,241	219,094	429,416	96,441	15,185,887	48.6
Wages	102,810,281	45,068,232	57,742,049	5,248,298	144,492	177,763	803,577	2,418,694	231,404	48,717,821	43.8
Paid for contract work	1,075,645	726,766	348,879	280	5,180	5,623	385	201	360	336,850	67.6
Rent and taxes (including internal revenue)	8,812,330	4,876,255	3,936,075	594,397	16,337	46,299	65,966	71,642	66,862	3,074,572	55.3
Cost of materials	350,561,800	149,915,402	200,646,398	20,917,035	262,365	459,127	2,651,415	3,955,340	902,035	171,499,081	42.8
Value of products	573,380,021	246,694,018	326,686,003	33,743,329	572,207	1,019,118	4,021,540	7,894,165	1,724,111	277,711,533	43.0
Value added by manufacture (value of products less cost of materials)	222,818,221	96,778,616	126,039,605	12,826,294	309,842	559,991	1,370,125	3,938,825	822,076	106,212,452	43.4

[1] Includes Duquesne and North Braddock, the statistics for which can not be shown without disclosing individual operations.
[2] Estimated population July 1, 1914.

In 1914 the metropolitan district had 2,479 manufacturing establishments, which gave employment to 177,328 persons during the year and paid out $136,352,480 in salaries and wages. These establishments manufactured products to the value of $573,380,021, the greater part of which was reported by factories outside of the central city. Pittsburgh contained nearly one-half of the population of the district, of which it is the commercial and financial center, but contributed only 43 per cent of the value of the

manufactured products of the district. This is due largely to the steel works and rolling mills and blast furnaces, which require considerable space for the operation of their plants and are consequently located outside of the corporate limits of the city. The number of manufacturing establishments in Pittsburgh constituted 70.2 per cent of the total number in the district and gave employment to 46.4 per cent of the total average number of wage earners employed.

Comparison with earlier censuses.—Table 19 is a comparative summary, for the district as a whole, for 1914 and 1909, and gives percentages of increase for the five-year period.

An increase is shown in all the comparable items of this table, except the cost of materials and value of products, the latter showing a decrease of less than 1 per cent. The greatest increases were for salaries and wages, number of salaried employees, and primary horsepower.

Table 19

	PITTSBURGH METROPOLITAN DISTRICT.		Per cent of increase,[1] 1909–1914.
	1914	1909	
Population	[2] 1,156,849	[3] 1,044,743	10.7
Number of establishments	2,479	2,369	4.6
Persons engaged	177,328	163,258	8.6
Proprietors and firm members	2,167	2,102	3.1
Salaried employees	24,248	20,692	17.2
Wage earners (average number)	149,913	140,464	6.7
Primary horsepower	910,245	791,047	15.1
Capital	$705,660,139	$642,527,046	9.8
Salaries and wages	136,352,480	115,040,924	18.5
Salaries	33,542,199	24,934,082	34.5
Wages	102,810,281	90,115,842	14.1
Paid for contract work	1,075,645	(4)	.....
Rent and taxes (including internal revenue)	8,812,330	(4)	.....
Cost of materials	350,561,800	366,892,433	−4.5
Value of products	573,380,021	578,815,493	−0.9
Value added by manufacture (value of products less cost of materials)	222,818,221	211,923,060	5.1

[1] A minus sign (−) denotes decrease.
[2] Estimated population July 1, 1914.
[3] Population of Apr. 15, 1910.
[4] Figures not available.

Comparative summary, by industries.—Table 20 presents, for 1914 and 1909, statistics for 24 selected industries of the district.

Table 20

INDUSTRY.	Census year.	PITTSBURGH METROPOLITAN DISTRICT.											
		Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
			Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).							
								Expressed in thousands.					
All industries	1914	2,479	176,328	2,167	24,248	149,913	910,245	$705,660	$33,542	$102,810	$350,562	$573,380	$222,818
	1909	2,369	163,258	2,102	20,692	140,464	791,047	642,527	24,934	90,116	366,892	578,815	211,923
Brass, bronze, and copper products	1914	15	667	21	101	545	1,726	3,335	176	362	2,573	3,365	792
	1909	15	822	16	102	704	2,850	4,274	147	425	2,469	3,398	929
Bread and other bakery products	1914	394	4,132	434	718	2,980	3,195	9,177	796	1,600	6,018	11,032	5,014
	1909	391	3,323	427	569	2,327	2,490	6,601	540	1,244	5,403	9,568	4,165
Brick, tile, pottery, and other clay products	1914	34	1,856	23	104	1,729	7,313	5,163	143	859	801	2,262	1,461
	1909	49	1,684	42	122	1,520	7,314	6,402	151	749	777	2,432	1,655
Canning and preserving	1914	[1] 11	3,815	9	1,701	2,105	2,182	9,964	1,893	917	5,187	11,492	6,305
	1909	[1] 11	3,073	14	1,349	1,710	1,811	6,823	1,338	615	2,392	6,202	3,810
Cars and general shop construction and repairs by steam-railroad companies.	1914	[2] 12	12,429	.....	725	11,704	13,755	10,176	898	8,985	9,682	20,637	10,955
	1909	16	10,374	.....	936	9,438	15,094	8,685	779	6,606	9,164	16,805	7,641
Clothing [3]	1914	41	1,163	57	130	976	255	1,338	108	448	1,147	2,117	970
	1909	29	1,083	49	108	926	353	1,342	94	366	1,201	2,084	883
Coffee and spice, roasting and grinding	1914	6	102	6	63	33	178	380	61	18	867	1,118	251
	1909	4	80	11	42	27	226	311	36	14	612	811	199
Confectionery	1914	[1] 16	1,037	11	119	907	802	1,818	144	336	1,991	2,859	868
	1909	20	955	10	112	833	724	1,538	106	262	1,549	2,284	735
Foundry and machine-shop products	1914	262	27,062	157	4,475	22,430	56,210	100,079	6,548	15,744	30,578	68,353	37,775
	1909	218	22,118	111	3,553	18,454	41,908	70,585	4,405	12,780	24,140	52,411	28,271
Furniture and refrigerators	1914	16	588	17	103	468	984	1,459	128	328	772	1,444	672
	1909	11	373	12	46	315	629	826	54	188	440	900	460
Glass	1914	27	7,434	6	445	6,983	16,570	20,499	697	4,455	3,804	11,500	7,696
	1909	27	7,322	6	374	6,942	13,632	20,795	567	3,649	3,561	8,766	5,205
Ice, manufactured	1914	28	747	7	110	630	11,077	8,785	143	385	329	1,423	1,094
	1909	31	426	7	104	315	10,136	4,024	119	214	282	1,371	1,089
Iron and steel [4]	1914	89	62,810	12	6,195	56,603	667,792	360,908	9,003	42,635	195,978	276,004	80,026
	1909	95	65,697	6	5,432	60,259	592,311	347,838	7,176	42,000	243,357	339,869	96,512
Leather, tanned, curried, and finished	1914	3	163	1	18	144	355	1,036	34	90	993	1,098	105
	1909	6	273	2	27	244	846	1,553	46	139	914	1,162	248
Liquors, distilled	1914	6	216	5	90	121	1,375	3,422	140	80	1,082	2,859	1,777
	1909	8	168	6	38	124	1,260	2,074	72	72	733	3,650	2,917
Liquors, malt	1914	23	1,668	.....	224	1,444	11,526	33,183	447	1,203	2,917	8,643	5,726
	1909	28	1,589	.....	235	1,354	11,321	24,112	473	1,060	1,936	8,236	6,300
Lumber and timber products	1914	79	1,242	75	187	980	5,331	3,318	205	671	2,183	3,542	1,359
	1909	86	1,419	90	142	1,187	5,408	3,561	156	775	1,854	3,189	1,335
Paint and varnish	1914	23	584	8	216	360	2,109	4,070	380	230	2,339	3,717	1,378
	1909	24	533	15	146	372	2,463	3,879	172	209	2,638	3,780	1,142

[1] Excludes statistics for establishments located outside of the corporate limits of Pittsburgh, to avoid disclosure of individual operations. The figures for these establishments are included under the head of "All other industries."
[2] Includes 11 repair shops (combined in two reports) located outside of the metropolitan district.
[3] Includes both men's and women's clothing.
[4] Includes "iron and steel, blast furnaces"; "iron and steel, bolts, nuts, washers, and rivets, not made in steel works and rolling mills"; "iron and steel, doors and shutters"; "iron and steel forgings"; "iron and steel, wrought pipe"; "iron and steel, steel works and rolling mills"; and "tin plate and terneplate."

Table 20—Continued.

INDUSTRY.	Census year.	PITTSBURGH METROPOLITAN DISTRICT.											
		Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
			Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).							
								Expressed in thousands.					
Patent medicines and compounds and druggists' preparations.	1914	43	295	26	124	145	212	$958	$177	$79	$503	$1,211	$703
	1909	39	282	28	95	159	320	855	124	73	392	1,147	755
Petroleum, refining	1914	7	553	3	146	404	2,876	4,373	196	299	4,071	4,814	743
	1909	7	366	3	59	304	712	2,417	78	206	2,961	3,935	974
Printing and publishing [1]	1914	351	5,168	354	1,437	3,377	5,422	10,511	1,664	2,493	3,422	11,486	8,064
	1909	324	4,639	325	1,212	3,102	4,653	10,375	1,365	2,131	2,800	9,663	6,863
Slaughtering and meat packing	1914	18	1,445	7	286	1,152	3,913	5,045	379	811	17,434	19,383	1,949
	1909	19	1,181	9	252	920	4,471	4,007	319	613	12,665	14,492	1,827
Springs, steel, car, and carriage	1914	10	578	1	106	471	1,510	4,035	203	281	1,149	1,830	681
	1909	8	965	2	112	851	1,984	3,879	219	463	1,931	3,168	1,237
Tobacco manufactures	1914	212	3,528	219	128	3,181	278	2,362	141	1,083	1,515	4,111	2,596
	1909	248	3,562	255	168	3,139	213	1,921	144	865	1,201	3,714	2,513
All other industries	1914	753	37,046	708	6,297	30,041	93,299	100,266	8,838	18,418	53,222	97,080	43,858
	1909	655	30,951	656	5,357	24,938	67,918	103,850	6,254	14,398	41,520	75,778	34,258

[1] Includes "printing and publishing, newspapers and periodicals"; "printing and publishing, book and job"; "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."

Measured by value of products, the most important industry in the district was iron and steel, which showed a decease in number of establishments, average number of wage earners, and total value of products. The next in importance were foundries and machine shops and steam-railroad repair shops. These three industries, which are closely allied, represented 63.6 per cent of the total product for all industries in 1914 and 70.7 per cent in 1909. Slaughtering and meat packing, with a value of products of $19,383,497 in 1914, 92.6 per cent of which was reported by Pittsburgh, shows an increase of 33.7 per cent since 1909. Other industries showing substantial increases are glass, canning and preserving, printing and publishing, and bread and other bakery products.

Under "all other industries" are included, in addition to minor industries, some important establishments located outside the corporate limits of Pittsburgh, for which statistics can not be given without disclosing individual operations.

Character of ownership.—Table 21 presents statistics concerning character of ownership, or legal organization, of manufacturing enterprises. For all industries combined, comparative figures are given for 1914, 1909, and 1904; for selected industries, statistics for 1914 and 1909 are shown; and for individual cities the figures are for all industries combined and relate to 1914 only. In order to avoid disclosing the operations of individual establishments, it is necessary to omit several important industries from this table.

Table 21

INDUSTRY AND CITY.	Census year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.						VALUE OF PRODUCTS.						
		Individuals.	Corporations	All others.	Total.	In establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations	All others.	Total.	Of establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations	All others.
All industries	1914	15,636	6,651	5,234	924,478	98,253	721,070	105,155	10.6	78.0	11.4	$2,832,349,437	$249,990,365	$2,319,666,599	$262,692,473	8.8	81.9	9.3
	1909	16,051	5,880	5,632	877,543	111,437	642,866	123,240	12.7	73.3	14.0	2,626,742,034	267,060,904	2,053,458,538	306,222,592	10.2	78.2	11.6
	1904	13,615	4,540	5,340	763,282	106,547	510,711	146,024	14.0	66.9	19.1	1,955,551,332	226,900,537	1,403,081,857	325,568,938	11.6	71.7	16.6
Bread and other bakery products.	1914	2,670	101	216	15,157	7,475	6,513	1,169	49.3	43.0	7.7	54,139,906	26,191,469	24,193,485	3,754,952	48.4	44.7	6.9
	1909	2,907	71	207	12,221	6,991	4,320	910	57.2	35.3	7.4	45,850,070	25,107,663	17,434,256	3,308,151	54.8	38.0	7.2
Clothing, men's, including shirts.	1914	394	49	256	21,126	6,011	4,838	10,277	28.5	22.9	48.6	40,370,330	7,755,815	12,845,150	19,769,365	19.2	31.8	49.0
	1909	407	27	262	23,623	7,545	2,328	13,750	31.9	9.9	58.2	39,681,760	9,244,332	4,183,155	26,254,273	23.3	10.5	66.2
Clothing, women's	1914	214	55	214	17,217	5,220	4,030	7,967	30.3	23.4	46.3	37,059,174	11,682,830	8,298,248	17,078,096	31.5	22.4	46.1
	1909	175	25	201	15,701	5,309	1,896	8,496	33.8	12.1	54.1	32,837,424	10,300,487	3,914,301	18,622,636	31.4	11.9	56.7
Cotton goods, including cotton small wares.	1914	40	76	39	14,640	1,451	9,956	3,233	9.9	68.0	22.1	32,400,446	2,844,404	23,199,423	6,356,619	8.8	71.6	19.6
	1909	48	84	43	16,293	2,424	10,329	3,540	14.9	63.4	21.7	33,917,033	5,355,654	21,958,816	6,602,563	15.8	64.7	19.5
Flour-mill and gristmill products.	1914	878	75	312	2,595	1,139	755	701	43.9	29.1	27.0	43,626,356	15,824,454	16,785,970	11,015,932	36.3	38.5	25.2
	1909	1,034	57	359	2,432	1,254	491	687	51.6	20.2	28.2	44,782,558	19,789,007	12,261,382	12,732,169	44.2	27.4	28.4
Foundry and machine-shop products.	1914	695	835	357	91,820	4,062	83,057	4,701	4.4	90.5	5.1	233,616,370	8,562,155	215,773,047	9,281,168	3.7	92.4	4.0
	1909	646	757	292	86,821	5,923	76,815	4,083	6.8	88.5	4.7	210,746,257	11,666,806	190,500,468	8,578,983	5.5	90.4	4.1
Hosiery and knit goods	1914	183	179	136	41,130	7,234	26,718	7,178	17.6	65.0	17.4	64,153,449	10,955,854	41,994,741	11,202,854	17.1	65.4	17.5
	1909	185	149	130	38,206	9,363	21,129	7,714	24.5	55.3	20.2	49,657,506	12,160,619	26,544,730	10,952,157	24.5	53.5	22.1
Leather, tanned, curried, and finished.	1914	14	77	29	11,988	191	9,706	2,091	1.6	81.0	17.4	85,252,532	802,688	65,781,277	18,668,567	0.9	77.2	21.9
	1909	39	88	36	14,008	779	10,957	2,272	5.6	78.2	16.2	77,926,321	2,882,720	61,050,766	13,992,835	3.7	78.3	18.0

Table 21—Continued.

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.							Value of products.						
		Individuals.	Corporations	All others.	Total.	In establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations	All others.	Total.	Of establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations	All others.
Liquors, malt	1914	34	157	24	7,512	613	6,372	527	8.2	84.8	7.0	$50,362,792	$3,518,871	$43,668,637	$3,175,284	7.0	86.7	6.3
	1909	52	154	31	7,234	813	5,612	809	11.2	77.6	11.2	47,712,570	4,639,838	38,150,649	4,922,083	9.7	80.0	10.3
Lumber and timber products.	1914	1,472	246	630	21,297	7,652	8,336	5,309	35.9	39.1	24.9	49,948,523	14,744,451	22,765,440	12,438,632	29.5	45.6	24.9
	1909	1,640	270	757	26,873	9,445	10,808	6,620	35.1	40.2	24.6	57,453,583	17,547,215	26,187,452	13,718,916	30.5	45.6	23.9
Printing and publishing	1914	1,487	552	499	26,909	6,304	17,334	3,271	23.4	64.4	12.2	84,976,922	14,690,322	62,146,906	8,139,694	17.3	73.1	9.6
	1909	1,445	471	545	24,696	6,029	14,257	4,410	24.4	57.7	17.9	70,584,179	14,139,129	45,791,442	10,653,608	20.0	64.9	15.1
Silk goods, including throwsters.	1914	26	207	51	44,755	3,598	35,487	5,670	8.0	79.3	12.7	86,938,554	5,975,213	68,326,411	12,636,930	6.9	78.6	14.5
	1909	32	148	46	36,469	3,097	26,141	7,231	8.5	71.7	19.8	62,061,302	5,766,036	43,924,791	12,370,475	9.3	70.8	19.9
Slaughtering and meat packing.	1914	84	43	39	3,687	747	2,668	272	20.3	72.4	7.4	65,981,384	11,000,267	50,737,815	4,243,302	16.7	76.9	6.4
	1909	92	44	44	3,050	693	1,969	388	22.7	64.6	12.7	51,850,936	9,406,946	35,458,412	6,985,578	18.1	68.4	13.5
Tobacco manufactures	1914	1,825	120	249	37,370	8,475	17,031	11,864	22.7	45.6	31.7	54,213,048	12,908,168	25,207,717	16,097,163	23.8	46.5	29.7
	1909	2,091	87	254	33,188	10,010	12,844	10,334	30.2	38.7	31.1	50,161,387	14,018,961	19,967,810	16,174,616	27.9	39.8	32.3
Woolen, worsted, and felt goods, and wool hats.	1914	57	98	48	24,461	3,607	16,570	4,284	14.7	67.7	17.5	64,408,670	11,852,967	41,006,150	11,549,553	18.4	63.7	17.9
	1909	59	85	73	27,409	4,340	15,127	7,942	15.8	55.2	29.0	77,446,996	12,195,424	42,383,907	22,867,665	15.7	54.7	29.5
Total for cities	1914	8,726	4,002	3,022	578,387	65,624	439,490	73,273	11.3	76.0	12.7	1,785,882,439	169,349,261	1,435,578,868	180,954,310	9.5	80.4	10.1
Allentown	1914	148	77	72	13,685	1,574	9,003	3,108	11.5	65.8	22.7	33,918,299	3,449,842	24,397,132	6,071,325	10.2	71.9	17.9
Altoona	1914	45	15	10	10,732	271	10,312	149	2.5	96.1	1.4	22,592,676	751,231	21,356,428	485,017	3.3	94.5	2.1
Beaver Falls	1914	22	24	13	2,679	45	2,546	48	1.7	96.5	1.8	7,963,420	174,668	7,668,559	120,193	2.2	96.3	1.5
Bethlehem	1914	20	9	11	1,496	76	1,155	265	5.1	77.2	17.7	3,786,568	195,456	2,167,581	1,423,531	5.2	57.2	37.6
Braddock	1914	20	11	8	1,140	90	1,027	23	7.9	90.1	2.0	4,021,540	320,051	3,612,638	88,851	8.0	89.8	2.2
Bradford	1914	35	25	11	1,178	155	810	213	13.1	68.8	18.1	4,034,401	1,326,421	2,331,752	376,228	32.9	57.8	9.3
Bristol	1914	20	8	4	1,809	1,114	596	99	61.6	32.9	5.5	5,037,120	3,802,577	975,993	258,550	75.5	19.4	5.1
Butler	1914	36	16	17	3,303	110	2,768	425	3.3	83.8	12.9	15,006,393	503,178	13,663,022	840,193	3.4	91.0	5.6
Carbondale	1914	28	13	2	1,897	87	1,793	17	4.5	94.5	1.0	3,170,410	244,144	2,889,966	36,300	7.7	91.2	1.1
Carlisle	1914	22	15	13	1,603	98	1,253	252	6.1	78.2	15.7	3,414,959	209,566	2,663,997	541,396	6.1	78.0	15.9
Carnegie	1914	6	8	5	337	20	295	22	5.9	87.6	6.5	1,724,111	93,171	1,554,750	76,190	5.4	90.1	4.5
Chambersburg	1914	25	16	18	1,650	113	1,367	170	6.8	82.8	10.3	3,075,292	210,833	2,475,294	389,165	6.8	80.5	12.7
Charleroi	1914	15	13	1	1,904	17	1,857	30	0.9	97.5	1.6	2,909,338	109,413	2,759,760	40,165	3.8	94.8	1.4
Chester	1914	77	53	23	6,295	528	5,339	428	8.4	84.8	6.8	21,021,170	1,334,348	17,911,840	1,774,982	6.3	85.2	8.4
Columbia	1914	39	14	8	2,141	719	1,328	94	33.6	62.0	4.4	3,340,702	897,827	2,022,841	420,034	26.9	60.5	12.6
Connellsville	1914	18	19	5	1,087	72	946	69	6.6	87.0	6.3	1,993,557	198,605	1,627,210	167,742	10.0	81.6	8.4
Dubois	1914	11	14	9	1,105	110	958	37	10.0	86.7	3.3	2,394,534	313,619	1,963,113	117,802	13.1	82.0	4.9
Dunmore	1914	12	7	5	948	25	864	59	2.6	91.1	6.2	1,268,939	89,795	1,049,617	129,527	7.1	82.7	10.2
Easton	1914	68	29	21	4,062	2,215	1,637	210	54.5	40.3	5.2	10,357,227	864,958	8,771,457	720,812	8.4	84.6	7.0
Erie	1914	191	133	39	11,016	862	9,325	829	7.8	84.6	7.5	29,447,084	2,273,973	24,784,382	2,388,729	7.7	84.2	8.1
Franklin	1914	11	21	13	1,479	24	1,322	133	1.6	89.4	9.0	10,608,017	128,236	10,133,624	346,157	1.2	95.5	3.3
Greater Punxsutawney	1914	12	14	8	710	64	602	44	9.0	84.8	6.2	2,227,620	226,905	1,850,644	150,071	10.2	83.1	6.7
Greensburg	1914	28	11	14	494	109	304	81	22.1	61.5	16.4	1,382,472	320,221	744,327	317,924	23.2	53.8	23.0
Harrisburg	1914	128	58	33	7,966	528	6,819	619	6.6	85.6	7.8	18,872,156	1,560,575	15,897,480	1,414,101	8.3	84.2	7.5
Hazleton	1914	42	16	18	2,744	207	1,623	914	7.5	59.1	33.3	5,593,761	447,935	4,050,708	1,095,118	8.0	72.4	19.6
Homestead	1914	12	13	5	260	24	218	18	9.2	83.8	6.9	1,019,118	89,256	844,912	84,950	8.8	82.9	8.3
Johnstown	1914	62	50	24	12,177	263	11,299	615	2.2	92.8	5.0	50,973,960	1,505,560	47,970,404	1,497,996	3.0	94.1	2.9
Lancaster	1914	186	60	58	8,862	960	5,790	2,112	10.8	65.3	23.8	20,011,393	2,329,891	13,655,816	4,025,686	11.6	68.2	20.1
Latrobe	1914	10	10	5	570	37	528	5	6.5	92.6	0.9	2,213,234	115,192	2,084,196	13,846	5.2	94.2	0.6
Lebanon	1914	51	33	13	5,270	276	4,585	409	5.2	87.0	7.8	9,871,443	804,423	8,206,547	860,473	8.1	83.1	8.7
McKees Rocks	1914	16	17	6	3,548	39	3,481	28	1.1	98.1	0.8	7,894,165	95,750	7,738,705	59,710	1.2	98.0	0.8
McKeesport	1914	35	24	14	6,857	138	6,660	59	2.0	97.1	0.9	33,743,329	399,908	33,192,802	150,619	1.2	98.4	0.4
Mahanoy City	1914	25	2	6	661	428	81	152	64.7	12.3	23.0	1,057,349	290,762	504,083	262,504	27.5	47.7	24.8
Meadville	1914	23	21	13	1,676	67	1,557	52	4.0	92.9	3.1	5,057,962	202,296	4,617,507	238,159	4.0	91.3	4.7
Mount Carmel	1914	13	7	10	978	25	707	246	2.6	72.3	25.1	1,279,906	78,936	748,022	452,948	6.2	58.5	35.3
Nanticoke	1914	24	3	8	747	148	45	554	19.8	6.0	74.2	995,335	172,534	313,539	509,262	17.3	31.5	51.2
New Castle	1914	41	42	12	6,381	124	6,184	73	1.9	96.9	1.1	38,384,877	306,274	37,871,955	206,648	0.8	98.7	0.5
Norristown	1914	54	38	13	3,959	496	2,840	623	12.5	71.7	15.7	8,421,430	1,002,562	6,440,728	978,140	11.9	76.5	11.6
Oil City	1914	11	13	12	2,276	36	2,167	73	1.6	95.2	3.2	4,871,981	92,505	4,519,602	259,874	1.9	92.8	5.3
Philadelphia	1914	4,969	1,768	1,717	251,286	39,215	166,706	45,365	15.7	66.3	18.0	784,499,633	107,016,410	559,318,646	118,164,577	13.6	71.3	15.1
Phoenixville	1914	16	11	7	2,927	330	2,514	83	11.3	85.9	2.8	6,238,757	691,947	5,255,195	291,615	11.1	84.2	4.7
Pittsburgh	1914	825	592	324	69,620	4,074	61,238	4,308	5.9	87.9	6.2	246,694,018	12,699,478	221,999,036	11,995,504	5.1	90.0	4.9
Pittston	1914	23	8	8	729	248	244	237	34.0	33.5	32.5	1,899,812	643,229	763,322	493,261	33.9	40.2	26.0
Plymouth	1914	10	5	2	478	321	152	5	67.2	31.8	1.0	831,439	553,401	257,933	20,105	66.6	31.0	2.4
Pottstown	1914	43	22	12	2,622	215	1,997	410	8.2	76.2	15.6	8,865,860	519,399	7,324,159	1,022,302	5.9	82.6	11.5
Pottsville	1914	78	19	18	3,506	436	2,853	217	12.4	81.4	6.2	10,195,800	793,004	8,614,354	788,442	7.8	84.5	7.7
Reading	1914	272	120	94	24,131	3,641	17,540	2,950	15.1	72.7	12.2	53,231,926	7,327,304	40,637,649	5,266,973	13.8	76.3	9.9
Scranton	1914	155	109	44	12,559	763	11,013	783	6.1	87.7	6.2	28,721,829	2,164,454	24,880,616	1,676,759	7.5	86.6	5.8
Shamokin	1914	29	14	8	2,634	82	2,422	130	3.1	92.0	4.9	5,541,617	218,167	5,030,080	293,370	3.9	90.8	5.3
Sharon	1914	24	15	9	2,298	71	2,031	196	3.1	88.4	8.5	6,372,998	205,462	4,837,733	1,329,803	3.2	75.9	20.9
Shenandoah	1914	32	8	6	475	202	163	110	42.5	34.3	23.2	1,573,464	368,344	1,165,635	39,485	23.4	74.1	2.5
South Bethlehem	1914	24	11	8	10,892	204	9,893	795	1.9	90.8	7.3	40,179,381	587,331	38,400,293	1,191,757	1.5	95.6	3.0
Sunbury	1914	27	10	7	1,718	92	1,580	46	5.4	92.0	2.7	5,115,641	203,492	4,362,920	549,229	4.0	85.3	10.7
Tamaqua	1914	31	9	6	974	180	776	18	18.5	79.7	1.8	1,686,748	274,649	1,369,848	42,251	16.3	81.2	2.5
Taylor	1914	1	4	1	333	3	314	16	0.9	94.3	4.8	244,941	5,616	186,056	53,269	2.3	76.0	21.7
Uniontown	1914	21	14	8	776	122	608	46	15.7	78.4	5.9	2,237,177	436,938	1,497,635	302,604	19.5	66.9	13.5
Warren	1914	24	32	16	1,876	141	1,565	170	7.5	83.4	9.1	8,611,207	290,835	7,672,558	647,814	3.4	89.1	7.5
Washington	1914	38	20	6	2,002	182	1,773	47	9.1	88.6	2.3	5,093,672	565,753	4,431,804	96,115	11.1	87.0	1.9
West Chester	1914	39	11	5	894	102	746	46	11.4	83.4	5.1	2,084,505	367,943	1,626,027	90,535	17.7	78.0	4.3
Wilkes-Barre	1914	100	50	38	8,107	494	6,946	667	6.1	85.7	8.2	16,733,954	1,151,619	14,140,570	1,441,765	6.9	84.5	8.6
Wilkinsburg	1914	17	8	4	194	72	104	18	37.1	53.6	9.3	572,207	252,923	256,505	62,779	44.2	44.8	11.0
Williamsport	1914	95	56	25	6,015	514	5,229	272	8.5	86.9	4.5	15,863,699	1,129,186	14,190,927	543,586	7.1	89.5	3.4
York	1914	135	66	46	10,851	1,362	7,225	2,264	12.6	66.6	20.9	22,043,328	2,703,806	15,683,795	3,655,727	12.3	71.1	16.6
All other cities[1]	1914	56	48	23	22,848	264	21,867	717	1.2	95.7	3.1	105,791,578	645,174	103,642,639	1,503,765	0.6	98.0	1.4

[1] All other cities embrace: Coatesville, Dickson City, Duquesne, Farrell (formerly South Sharon), Monessen, North Braddock, Old Forge, and Steelton.

The figures in the preceding table indicate a pronounced tendency toward the corporate form of ownership. During the five-year period 1909–1914 there was an increase in the number of establishments throughout the state operated by corporations but a decrease in individual and all other forms of ownership. In 1914 the greatest proportion of the establishments, 56.8 per cent of the total, was owned by individuals; but measured by value of products and average number of wage earners, corporations were by far the most important. Although only 24.2 per cent of the total number of establishments in the state were under corporate control, this class reported 81.9 per cent of the total value of products and 78 per cent of the total average number of wage earners. The relative number of wage earners and value of products reported by corporations has been greater at each successive census. With few exceptions, both in 1914 and 1909, the largest proportion of the total value of products for each of the 15 industries for which separate statistics are shown was reported by corporations. Individual ownership predominated in a majority of the industries shown in the table, but the bakeries and clothing factories (both men's and women's) were the only ones of this class in which the greatest proportion of wage earners and value of products was reported by establishments owned by individuals or firms.

In the cities the same general condition prevailed as throughout the state, namely, the bulk of manufactures and a majority of the wage earners were reported by corporations.

Size of establishments.—The tendency for manufacturing to become concentrated in large establishments is indicated by the statistics in Table 22.

Table 22 VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
All classes	27,521	27,563	23,495	924,478	877,543	763,282	$2,832,349,437	$2,626,742,034	$1,955,551,332	$1,143,428,721	$1,044,182,046	$812,608,625
Less than $5,000	9,264	9,493	7,567	10,980	12,392	11,307	21,868,636	22,574,998	18,788,800	13,577,165	13,719,359	11,558,864
$5,000 to $20,000	8,598	8,764	7,876	43,762	46,720	46,076	87,643,164	90,897,695	80,441,200	47,818,762	48,251,171	43,384,120
$20,000 to $100,000	5,868	5,802	5,184	124,626	131,163	127,120	265,593,740	258,998,545	231,119,163	129,586,957	128,772,576	119,478,521
$100,000 to $1,000,000	3,300	3,104	2,584	368,694	370,082	325,475	967,023,805	923,159,484	723,662,644	428,291,132	412,461,925	326,666,667
$1,000,000 and over	491	400	284	376,416	317,186	253,294	1,490,280,092	1,331,111,312	901,539,525	524,154,705	440,977,015	311,520,453
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	33.7	34.4	32.2	1.2	1.4	1.5	0.8	0.9	1.0	1.2	1.3	1.4
$5,000 to $20,000	31.2	31.8	33.5	4.7	5.3	6.0	3.1	3.5	4.1	4.2	4.6	5.3
$20,000 to $100,000	21.3	21.0	22.1	13.5	14.9	16.7	9.4	9.9	11.8	11.3	12.3	14.7
$100,000 to $1,000,000	12.0	11.3	11.0	39.9	42.2	42.6	34.1	35.1	37.0	37.5	39.5	40.2
$1,000,000 and over	1.8	1.5	1.2	40.7	36.1	33.2	52.6	50.7	46.1	45.8	42.2	38.3

For 1914, 491 establishments, or 1.8 per cent of the total number in the state, each reported products valued at $1,000,000 and over, as compared with 400, or 1.5 per cent of the total, in 1909, and 284, or 1.2 per cent, in 1904. For 1914 these establishments reported 40.7 per cent of the total average number of wage earners for the state, 52.6 per cent of the total products, as measured by value, and 45.8 per cent of the total value added by manufacture. In the same year the smaller establishments—those having products valued at less than $5,000—although representing 33.7 per cent of the total number of establishments, employed only 1.2 per cent of the total wage earners, and reported less than 1 per cent of the total value of products, and 1.2 per cent of the total value added by manufacture.

Establishments having products valued at $1,000,000 and over contributed a relatively greater amount of the total value of products at each successive census, 46.1 per cent in 1904, 50.7 per cent in 1909, and 52.6 per cent in 1914.

Establishments having products valued at $100,000 and over represented 13.8 per cent of the total number of establishments, employed 80.6 per cent of the total number of wage earners, and contributed 86.8 per cent of the total value of products for the state.

Table 23 gives, for 1914 and 1909, for 15 of the important industries, a classification of establishments, wage earners, value of products, and value added by manufacture, similar to that presented in Table 22 for all industries combined.

In 1914, as in 1909, the manufacture of silk and woolen goods, and malt liquors, the tanning and finishing of leather, and slaughtering and meat packing were conducted in the comparatively large establishments. In each of these industries establishments whose products were valued at $100,000 or more employed more than 84 per cent of the wage earners engaged in the industry and reported more than 90 per cent of the value of products.

A large proportion of the bakeries, lumber mills, printing and publishing establishments, and tobacco factories were small, manufacturing products valued at less than $20,000 each.

Table 23

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909
BREAD AND OTHER BAKERY PRODUCTS	2,987	3,185	100.0	100.0	15,157	12,221	100.0	100.0	$54,139,906	$45,850,070	100.0	100.0	$22,454,532	$18,520,454	100.0	100.0
Less than $5,000	1,062	1,306	35.6	41.0	793	970	5.2	7.9	3,158,237	3,897,535	5.8	8.5	1,343,253	1,620,376	6.0	8.7
$5,000 to $20,000	1,551	1,576	51.9	49.5	4,257	4,137	28.1	33.9	14,669,528	14,569,504	27.1	31.8	6,142,633	6,003,773	27.4	32.4
$20,000 to $100,000	316	258	10.6	8.1	3,479	2,660	23.0	21.8	11,549,950	9,127,709	21.3	19.9	4,426,470	3,543,456	19.7	19.1
$100,000 to $1,000,000	52	40	1.7	1.3	3,767	2,576	24.9	21.1	13,313,532	9,397,437	24.6	20.5	5,332,162	3,443,676	23.7	18.6
$1,000,000 and over	6	5	0.2	0.2	2,861	1,878	18.9	15.4	11,448,659	8,857,885	21.2	19.3	5,210,014	3,909,173	23.2	21.1
CLOTHING, MEN'S, INCLUDING SHIRTS	699	696	100.0	100.0	21,126	23,623	100.0	100.0	40,370,330	39,681,760	100.0	100.0	20,005,740	19,818,626	100.0	100.0
Less than $5,000	185	155	26.5	22.3	794	722	3.8	3.1	445,565	401,328	1.1	1.0	391,063	354,214	1.9	1.8
$5,000 to $20,000	241	244	34.5	35.1	4,570	4,486	21.6	19.0	2,602,601	2,633,941	6.5	6.6	2,196,121	2,134,782	11.0	10.8
$20,000 to $100,000	180	219	25.7	31.5	6,031	8,112	28.5	34.3	8,037,902	9,628,375	19.9	24.3	4,316,405	5,403,446	21.6	27.3
$100,000 to $1,000,000	88	75	12.6	10.8	7,660	8,799	36.3	37.2	20,955,178	20,783,386	51.9	52 4	8,784,313	8,926,569	43.9	45.0
$1,000,000 and over	5	3	0.7	0.4	2,071	1,504	9.8	6.4	8,329,084	6,234,730	20.6	15.7	4,317,838	2,999,615	21.6	15.1
CLOTHING, WOMEN'S	483	401	100.0	100.0	17,217	15,701	100.0	100.0	37,059,174	32,837,424	100.0	100.0	16,716,783	14,681,191	100.0	100.0
Less than $5,000	51	39	10.6	9.7	97	108	0.6	0.7	124,312	102,155	0.3	0.3	74,845	66,343	0.4	0.5
$5,000 to $20,000	109	102	22.6	25.4	1,045	1,067	6.1	6.8	1,226,674	1,106,493	3.3	3.4	728,875	715,037	4.4	4.9
$20,000 to $100,000	206	161	42.6	40.1	4,785	4,462	27.8	28.4	9,787,627	8,130,503	26.4	24.8	4,538,506	3,802,253	27.2	25.9
$100,000 and over	117	[1] 99	24.2	24.7	11,290	10,064	65.6	64.1	25,920,561	23,498,273	70.0	71.6	11,374,557	10,097,558	68.0	68.8
COTTON GOODS, INCLUDING COTTON SMALL WARES	155	175	100.0	100.0	14,640	16,293	100.0	100.0	32,400,446	33,917,033	100.0	100.0	14,836,918	15,160,008	100.0	100.0
Less than $5,000	7	5	4.5	2.9	14	8	0.1	(2)	18,551	14,434	0.1	(2)	10,650	6,891	0.1	(2)
$5,000 to $20,000	16	22	10.3	12.6	118	183	0.8	1.1	195,392	264,388	0.6	0.8	94,036	147,059	0.6	1.0
$20,000 to $100,000	58	64	37.4	36.6	1,529	1,925	10.4	11.8	3,082,061	3,732,505	9.5	11.0	1,291,855	1,567,490	8.7	10.3
$100,000 to $1,000,000	67	78	43.2	44.6	8,391	10,799	57.3	66.3	18,195,632	21,901,149	56.2	64.6	8,148,462	9,550,979	54.9	63.0
$1,000,000 and over	7	6	4.6	3.4	4,588	3,378	31.3	20.7	10,908,810	8,004,557	33.7	23.6	5,291,915	3,887,589	35.7	25.6
FLOUR-MILL AND GRISTMILL PRODUCTS	1,265	1,450	100.0	100.0	2,595	2,432	100.0	100.0	43,626,356	44,782,558	100.0	100.0	6,529,474	6,612,430	100.0	100.0
Less than $5,000	224	234	17.7	16.1	94	94	3.6	3.9	655,498	731,508	1.5	1.6	143,819	134,652	2.2	2.0
$5,000 to $20,000	563	676	44.5	46.6	540	589	20.8	24.2	6,302,659	7,657,933	14.4	17.1	1,215,412	1,358,659	18.6	20.5
$20,000 to $100,000	418	474	33.0	32.7	1,057	1,028	40.7	42.3	16,157,683	18,381,215	37.0	41.0	2,691,744	2,899,887	41.2	43.9
$100,000 to $1,000,000	55	61	4.3	4.2	575	469	22.2	19.3	11,162,090	10,303,209	25.6	23.0	1,298,758	1,412,353	19.9	21.4
$1,000,000 and over	5	5	0.4	0.3	329	252	12.7	10.4	9,348,426	7,708,693	21.4	17.2	1,179,741	806,869	18.1	12.2
FOUNDRY AND MACHINE SHOP PRODUCTS	1,887	1,695	100.0	100.0	91,820	86,821	100.0	100.0	233,616,370	210,746,257	100.0	100.0	124,627,129	109,735,517	100.0	100.0
Less than $5,000	489	397	26.0	23.4	629	546	0.7	0.6	1,220,618	988,408	0.5	0.5	885,178	681,614	0.7	0.6
$5,000 to $20,000	514	459	27.2	27.1	2,891	2,618	3.1	3.0	5,319,549	4,782,893	2.3	2.3	3,407,910	3,013,043	2.7	2.7
$20,000 to $100,000	497	465	26.3	27.4	11,618	11,799	12.7	13.6	24,169,075	22,363,155	10.3	10.6	13,608,847	12,593,764	10.9	11.5
$100,000 to $1,000,000	345	344	18.3	20.3	46,819	46,441	51.0	53.5	108,892,863	107,648,955	46.6	51.1	58,326,360	56,358,299	46.8	51.4
$1,000,000 and over	42	30	2.2	1.8	29,863	25,417	32.5	29.3	94,014,265	74,962,846	40.2	35.6	48,398,834	37,088,797	38.8	33.8
HOSIERY AND KNIT GOODS	498	464	100.0	100.0	41,130	38,206	100.0	100.0	64,153,449	49,657,506	100.0	100.0	26,397,148	22,439,555	100.0	100.0
Less than $5,000	38	35	7.6	7.5	114	102	0.3	0.3	82,956	82,631	0.1	0.2	45,971	42,893	0.2	0.2
$5,000 to $20,000	80	84	16.1	18.1	911	1,175	2.2	3.1	931,637	1,030,114	1.5	2.1	466,591	539,428	1.8	2.4
$20,000 to $100,000	226	204	45.4	44.0	8,987	8,981	21.9	23.5	12,008,676	9,991,390	18.7	20.1	5,081,869	4,640,244	19.2	20.7
$100,000 to $1,000,000	145	140	29.1	30.4	22,649	[1] 27,948	55.1	73.2	36,359,578	[1] 38,553,371	56.7	77.6	15,222,300	[1] 17,216,990	57.7	76.7
$1,000,000 and over	9	1	1.8	.....	8,469	.....	20.6	.....	14,770,602	.....	23.0	.....	5,580,417	.....	21.1	.....
LEATHER, TANNED, CURRIED, AND FINISHED	120	163	100.0	100.0	11,988	14,008	100.0	100.0	85,252,532	77,926,321	100.0	100.0	16,943,812	18,813,197	100.0	100.0
$5,000 to $20,000 [3]	10	28	8.3	17.2	35	75	0.3	0.5	84,808	221,294	0.1	0.3	37,743	91,353	0.2	0.5
$20,000 to $100,000	12	21	10.0	12.9	180	196	1.5	1.4	814,267	1,005,393	1.0	1.3	198,963	273,414	1.2	1.5
$100,000 to $1,000,000	70	91	58.3	55.8	4,839	6,505	40.4	46.4	32,625,486	37,931,745	38.3	48.7	6,593,202	8,657,290	38.9	46.0
$1,000,000 and over	28	23	23.4	14.1	6,934	7,232	57.8	51.6	51,727,971	38,767,889	60.7	49.7	10,113,904	9,791,140	59.7	52.0
LIQUORS, MALT	215	237	100.0	100.0	7,512	7,234	100.0	100.0	50,362,792	47,712,570	100.0	100.0	34,660,271	35,102,473	100.0	100.0
Less than $5,000	3	.....	1.4	.....	5	.....	0.1	.....	10,669	.....	0.2	.....	7,008	.....	.....	.....
$5,000 to $20,000	9	15	4.2	6.3	42	61	0.6	0.8	133,982	175,422	0.2	0.4	75,119	105,462	0.2	0.3
$20,000 to $100,000	56	68	26.0	28.7	807	835	10.7	11.5	3,458,411	3,711,359	6.9	7.8	2,352,800	2,488,432	6.8	7.1
$100,000 to $1,000,000	139	146	64.7	61.6	5,443	5,030	72.5	69.5	35,619,725	33,119,290	70.7	69.4	24,131,037	24,476,615	69.6	69.7
$1,000,000 and over	8	8	3.7	3.4	1,215	1,308	16.2	18.1	11,140,005	10,706,499	22.1	22.4	8,094,307	8,031,964	23.4	22.9
LUMBER AND TIMBER PRODUCTS	2,348	2,667	100.0	100.0	21,297	26,873	100.0	100.0	49,948,523	57,453,583	100.0	100.0	25,690,454	30,139,347	100.0	100.0
Less than $5,000	1,039	1,281	44.2	48.0	1,842	2,427	8.6	9.0	2,420,722	2,961,331	4.9	5.2	1,711,437	1,983,415	6.7	6.6
$5,000 to $20,000	829	850	35.3	31.9	4,804	5,288	22.6	19.7	8,217,646	8,580,334	16.5	14.9	5,159,000	5,153,976	20.1	17.1
$20,000 to $100,000	387	438	16.5	16.4	6,651	8,368	31.2	31.1	16,387,258	18,480,505	32.8	32.2	8,223,670	9,116,893	32.0	30.2
$100,000 and over [1]	93	98	4.0	3.7	8,000	10,790	37.6	40.2	22,922,897	27,431,413	45.8	47.7	10,596,347	13,885,063	41.2	46.1
PRINTING AND PUBLISHING	2,538	2,461	100.0	100.0	26,909	24,696	100.0	100.0	84,976,922	70,584,179	100.0	100.0	57,498,445	47,831,430	100.0	100.0
Less than $5,000	1,191	1,171	46.9	47.6	1,299	1,466	4.8	5.9	2,923,613	2,864,836	3.4	4.1	2,238,276	2,192,369	3.9	4.6
$5,000 to $20,000	847	829	33.4	33.7	4,152	4,286	15.4	17.4	8,180,216	8,146,507	9.6	11.5	6,110,854	6,128,908	10.6	12.8
$20,000 to $100,000	384	353	15.1	14.3	7,241	6,806	26.9	27.6	16,028,096	14,394,899	18.9	20.4	11,449,141	10,438,229	19.9	21.8
$100,000 to $1,000,000	106	101	4.2	4.1	9,126	9,975	33.9	40.4	29,381,004	28,944,970	34.6	41.0	19,749,677	19,080,054	34.3	39.9
$1,000,000 and over	10	7	0.4	0.3	5,091	2,163	18.9	8.8	28,463,993	16,232,967	33.5	23.0	17,950,497	9,991,870	31.2	20.9
SILK GOODS, INCLUDING THROWSTERS	284	226	100.0	100.0	44,755	36,469	100.0	100.0	86,938,554	62,061,302	100.0	100.0	38,143,073	26,895,731	100.0	100.0
Less than $5,000	7	9	2.5	4.0	51	96	0.1	0.3	24,952	22,456	(2)	(2)	20,291	1,500	0.1	(2)
$5,000 to $20,000	24	23	8.5	10.2	632	378	1.4	1.0	302,601	271,109	0.3	0.4	224,793	174,328	0.6	0.6
$20,000 to $100,000	96	84	33.8	37.2	6,426	6,941	14.4	19.0	4,962,535	4,518,202	5.7	7.3	2,965,935	3,049,315	7.8	11.3
$100,000 to $1,000,000	135	97	47.5	42.9	21,083	18,250	47.1	50.0	41,012,615	33,362,541	47.2	53.8	18,095,214	15,191,962	47.4	56.5
$1,000,000 and over	22	13	7.7	5.8	16,563	10,804	37.0	29.6	40,635,851	23,886,994	46.7	38.5	16,836,840	8,478,626	44.1	31.5

[1] Includes the group "1,000,000 and over." [2] Less than one-tenth of 1 per cent. [3] Includes the group "less than $5,000."

Table 23—Continued.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS. 1914	1909	Per cent distribution. 1914	1909	AVERAGE NUMBER OF WAGE EARNERS. 1914	1909	Per cent distribution. 1914	1909	VALUE OF PRODUCTS. 1914	1909	Per cent distribution. 1914	1909	VALUE ADDED BY MANUFACTURE. 1914	1909	Percent distribution. 1914	1909
SLAUGHTERING AND MEAT PACKING	166	180	100.0	100.0	3,687	3,050	100.0	100.0	$65,981,384	$51,850,936	100.0	100.0	$7,707,944	$7,005,889	100.0	100.0
Less than $5,000	12	10	7.2	5.6	11	8	0.3	0.3	33,694	27,407	0.1	0.1	12,713	12,777	0.2	0.2
$5,000 to $20,000	24	30	14.5	16.7	35	53	0.9	1.7	266,032	374,709	0.4	0.7	73,106	77,318	0.9	1.1
$20,000 to $100,000	57	60	34.3	33.3	205	240	5.6	7.9	2,884,181	2,996,666	4.4	5.8	524,104	453,074	6.8	6.5
$100,000 to $1,000,000	57	68	34.3	37.8	1,086	1,190	29.5	39.0	18,032,449	20,962,480	27.3	40.4	2,365,280	3,144,826	30.7	44.9
$1,000,000 and over	16	12	9.6	6.7	2,350	1,559	63.7	51.1	44,765,028	27,489,674	67.8	53.0	4,732,741	3,317,894	61.4	47.4
TOBACCO MANUFACTURES	2,194	2,432	100.0	100.0	37,370	33,188	100.0	100.0	54,213,048	50,161,387	100.0	100.0	30,058,796	29,447,964	100.0	100.0
Less than $5,000	1,457	1,650	66.4	67.8	1,223	1,511	3.3	4.6	2,486,035	2,846,418	4.6	5.7	1,539,493	1,827,835	5.1	6.2
$5,000 to $20,000	421	471	19.2	19.4	3,116	3,753	8.3	11.3	4,204,899	4,629,579	7.8	9.2	2,548,469	2,935,571	8.5	10.0
$20,000 to $100,000	205	212	9.3	8.7	6,911	7,122	18.5	21.5	9,280,366	9,081,905	17.1	18.1	5,362,154	5,260,243	17.8	17.9
$100,000 to $1,000,000	107	96	4.9	3.9	22,690	18,930	60.7	57.0	33,030,317	28,679,959	60.9	57.2	17,321,926	16,277,457	57.6	55.3
$1,000,000 and over	4	3	0.2	0.1	3,430	1,872	9.2	5.6	5,211,431	4,923,526	9.6	9.8	3,286,754	3,146,858	10.9	10.7
WOOLEN, WORSTED, AND FELT GOODS, AND WOOL HATS	203	217	100.0	100.0	24,461	27,409	100.0	100.0	64,408,670	77,446,996	100.0	100.0	19,927,012	22,812,911	100.0	100.0
Less than $5,000	22	14	10.8	6.5	42	19	0.2	0.1	46,739	26,604	0.1	(1)	25,303	11,954	0.1	0.1
$5,000 to $20,000	16	16	7.9	7.4	145	188	0.6	0.7	155,466	187,268	0.2	0.2	121,893	121,387	0.6	0.5
$20,000 to $100,000	48	60	23.6	27.6	1,617	2,092	6.6	7.6	2,981,957	3,323,855	4.6	4.3	1,172,877	1,468,391	5.9	6.4
$100,000 to $1,000,000	99	109	48.8	50.2	11,537	13,172	47.2	48.1	31,647,445	36,911,874	49.1	47.7	10,607,012	11,867,947	53.2	52.0
$1,000,000 and over	18	18	8.9	8.3	11,120	11,938	45.5	43.6	29,577,063	36,997,395	45.9	47.8	7,999,927	9,343,232	40.2	41.0

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

Table 24 presents, for 1914, for all industries combined in each of the cities having more than 10,000 inhabitants, for which figures can be shown separately, statistics similar to those given in Table 22 for the state as a whole.

Table 24

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS. Average number.	Per cent of total.	VALUE OF PRODUCTS. Amount.	Per cent of total.	VALUE ADDED BY MANUFACTURE. Amount.	Per cent of total.
ALLENTOWN	297	13,685	100.0	$33,918,299	100.0	$13,213,507	100.0
Less than $5,000	83	97	0.7	201,864	0.6	123,271	0.9
$5,000 to $20,000	91	501	3.7	901,660	2.7	485,912	3.7
$20,000 to $100,000	66	1,644	12.0	3,200,072	9.4	1,569,489	11.9
$100,000 to $1,000,000	50	7,595	55.5	14,647,744	43.2	6,669,767	50.5
$1,000,000 and over	7	3,848	28.1	14,966,959	44.1	4,365,068	33.0
ALTOONA	70	10,732	100.0	22,592,676	100.0	8,839,299	100.0
Less than $5,000	22	22	0.2	55,269	0.2	31,728	0.4
$5,000 to $20,000	22	97	0.9	228,445	1.0	111,531	1.3
$20,000 to $100,000	16	330	3.1	723,211	3.2	385,368	4.4
$100,000 and over [1]	10	10,283	95.8	21,585,751	95.5	8,310,672	94.0
BEAVER FALLS	59	2,639	100.0	7,963,420	100.0	3,741,668	100.0
Less than $5,000	14	10	0.4	31,541	0.4	18,133	0.5
$5,000 to $20,000	21	84	3.2	230,402	2.9	132,168	3.5
$20,000 to $100,000	12	263	10.0	516,861	6.5	299,924	8.0
$100,000 and over [1]	12	2,282	86.5	7,184,616	90.2	3,291,443	88.0
BETHLEHEM	40	1,496	100.0	3,786,568	100.0	1,524,963	100.0
Less than $5,000	14	16	1.1	32,974	0.9	21,197	1.4
$5,000 to $20,000	10	66	4.4	118,422	3.1	62,364	4.1
$20,000 to $100,000	7	244	16.3	430,234	11.4	235,774	15.5
$100,000 and over [1]	9	1,170	78.2	3,204,938	84.6	1,205,628	79.1
BRADDOCK	39	1,140	100.0	4,021,540	100.0	1,370,125	100.0
Less than $5,000	6	6	0.5	17,160	0.4	11,880	0.9
$5,000 to $20,000	17	66	5.8	188,640	4.7	111,729	8.2
$20,000 to $100,000	12	213	18.7	651,380	16.2	297,627	21.7
$100,000 and over [1]	4	855	75.0	3,164,360	78.7	948,889	69.3
BRADFORD	71	1,178	100.0	4,034,401	100.0	1,417,328	100.0
Less than $5,000	20	13	1.1	46,333	1.1	24,063	1.7
$5,000 to $20,000	21	61	5.2	202,256	5.0	101,999	7.2
$20,000 to $100,000	24	541	45.9	1,178,206	29.2	630,541	44.5
$100,000 and over [1]	6	563	47.8	2,607,606	64.6	660,725	46.6
BRISTOL	32	1,809	100.0	5,037,120	100.0	900,218	100.0
Less than $5,000	10	11	0.6	28,370	0.6	15,166	1.7
$5,000 to $20,000	9	31	1.7	81,053	1.6	36,183	4.0
$20,000 to $100,000	7	78	4.3	240,632	4.8	101,848	11.3
$100,000 and over [1]	6	1,689	93.4	4,687,065	93.1	747,021	83.0

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

Table 24—Continued.

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS. Average number.	Per cent of total.	VALUE OF PRODUCTS. Amount.	Per cent of total.	VALUE ADDED BY MANUFACTURE. Amount.	Per cent of total.
BUTLER	69	3,303	100.0	$15,006,393	100.0	$4,001,326	100.0
Less than $5,000	22	28	0.8	60,159	0.4	43,347	1.1
$5,000 to $20,000	24	104	3.1	266,642	1.8	156,806	3.9
$20,000 to $100,000	12	178	5.4	499,604	3.3	244,471	6.1
$100,000 and over [1]	11	2,993	90.6	14,179,988	94.5	3,556,702	88.9
CARBONDALE	43	1,897	100.0	3,170,410	100.0	1,639,575	100.0
Less than $5,000	16	38	2.0	49,646	1.6	30,726	1.9
$5,000 to $20,000	13	63	3.3	164,063	5.2	89,626	5.5
$20,000 to $100,000	8	175	9.2	464,303	14.6	165,768	10.1
$100,000 to $1,000,000	6	1,621	85.5	2,492,398	78.6	1,353,455	82.5
CARLISLE	50	1,603	100.0	3,414,959	100.0	1,342,010	100.0
Less than $5,000	17	14	0.9	34,525	1.0	17,316	1.3
$5,000 to $20,000	15	129	8.0	180,317	5.3	109,603	8.2
$20,000 to $100,000	10	297	18.5	468,278	13.7	248,982	18.5
$100,000 to $1,000,000	8	1,163	72.6	2,731,839	80.0	966,109	72.0
CARNEGIE	19	337	100.0	1,724,111	100.0	822,076	100.0
Less than $5,000	4	5	1.5	8,567	0.5	1,824	0.2
$5,000 to $20,000	6	25	7.4	58,692	3.4	32,434	3.9
$20,000 to $100,000	6	85	25.2	297,238	17.2	144,521	17.6
$100,000 to $1,000,000	3	222	65.9	1,359,614	78.9	643,297	78.3
CHAMBERSBURG	59	1,650	100.0	3,075,292	100.0	1,528,770	100.0
Less than $5,000	10	17	1.0	28,421	0.9	16,061	1.1
$5,000 to $20,000	31	158	9.6	292,096	9.5	164,197	10.7
$20,000 to $100,000	8	136	8.2	311,304	10.1	153,905	10.1
$100,000 to $1,000,000	10	1,339	81.2	2,443,471	79.5	1,194,607	78.1
CHARLEROI	29	1,904	100.0	2,909,338	100.0	1,637,365	100.0
Less than $5,000	10	20	1.1	35,044	1.2	21,086	1.3
$5,000 to $20,000	9	21	1.1	93,141	3.2	42,867	2.6
$20,000 to $100,000	5	66	3.5	250,325	8.6	105,611	6.5
$100,000 and over [1]	5	1,797	94.4	2,530,828	87.0	1,467,801	89.6
CHESTER	153	6,295	100.0	21,021,170	100.0	7,920,287	100.0
Less than $5,000	45	52	0.8	104,583	0.5	67,524	0.9
$5,000 to $20,000	42	217	3.4	439,545	2.1	255,325	3.2
$20,000 to $100,000	27	611	9.7	1,340,481	6.4	669,894	8.5
$100,000 to $1,000,000	34	3,907	62.1	11,372,172	54.1	4,444,115	56.1
$1,000,000 and over	5	1,508	24.0	7,764,389	36.9	2,483,429	31.4
COLUMBIA	61	2,141	100.0	3,340,702	100.0	1,485,962	100.0
Less than $5,000	19	33	1.5	48,849	1.5	29,954	2.0
$5,000 to $20,000	20	118	5.5	217,340	6.5	107,652	7.2
$20,000 to $100,000	12	326	15.2	503,964	15.1	246,218	16.6
$100,000 to $1,000,000	10	1,664	77.7	2,570,549	76.9	1,102,138	74.2
CONNELLSVILLE	42	1,087	100.0	1,993,557	100.0	1,204,144	100.0
Less than $5,000	6	3	0.3	20,600	1.0	10,972	0.9
$5,000 to $20,000	18	104	9.6	243,813	12.2	150,725	12.5
$20,000 to $100,000	14	293	27.0	680,052	34.1	358,638	29.8
$100,000 to $1,000,000	4	687	63.2	1,049,092	52.6	683,809	56.8

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

Table 24—Continued.

City and value of product.	Number of establishments.	Wage earners. Average number.	Wage earners. Per cent of total.	Value of products. Amount.	Value of products. Per cent of total.	Value added by manufacture. Amount.	Value added by manufacture. Per cent of total.
DUBOIS	34	1,105	100.0	$2,394,534	100.0	$1,149,491	100.0
Less than $5,000	7	10	0.9	21,345	0.9	12,666	1.1
$5,000 to $20,000	12	68	6.2	140,115	5.9	80,849	7.0
$20,000 to $100,000	10	128	11.6	363,591	15.2	159,390	13.9
$100,000 to $1,000,000	5	899	81.4	1,869,483	78.1	896,586	78.0
DUNMORE	24	948	100.0	1,268,939	100.0	791,973	100.0
Less than $5,000	8	7	0.7	23,697	1.9	16,155	2.0
$5,000 to $20,000	9	57	6.0	109,793	8.7	69,478	8.8
$20,000 to $100,000	4	140	14.8	162,790	12.8	109,709	13.9
$100,000 to $1,000,000	3	744	78.5	972,659	76.6	596,631	75.3
EASTON	118	4,062	100.0	10,357,227	100.0	5,685,846	100.0
Less than $5,000	35	36	0.9	86,044	0.8	59,294	1.0
$5,000 to $20,000	39	185	4.6	403,775	3.9	190,267	3.3
$20,000 to $100,000	28	503	12.4	1,103,967	10.7	596,754	10.5
$100,000 and over [1]	16	3,338	82.2	8,763,441	84.6	4,839,531	85.1
ERIE	363	11,016	100.0	29,447,084	100.0	13,351,911	100.0
Less than $5,000	113	138	1.3	280,819	1.0	174,955	1.3
$5,000 to $20,000	102	485	4.4	1,084,510	3.7	575,908	4.3
$20,000 to $100,000	88	1,804	16.4	3,987,210	13.5	1,902,340	14.2
$100,000 to $1,000,000	55	5,764	52.3	16,525,776	56.1	7,499,975	56.2
$1,000,000 and over	5	2,825	25.6	7,568,769	25.7	3,198,733	24.0
FRANKLIN	45	1,479	100.0	10,608,017	100.0	4,999,448	100.0
Less than $5,000	6	6	0.4	14,564	0.1	8,820	0.2
$5,000 to $20,000	11	30	2.0	100,116	0.9	49,238	1.0
$20,000 to $100,000	18	289	19.5	731,697	6.9	299,064	6.0
$100,000 and over [1]	10	1,154	78.0	9,761,640	92.0	4,642,326	92.9
GREATER PUNXSUTAWNEY	34	710	100.0	2,227,620	100.0	798,361	100.0
Less than $5,000	8	11	1.5	25,266	1.1	16,333	2.0
$5,000 to $20,000	12	51	7.2	116,544	5.2	63,303	7.9
$20,000 to $100,000	6	121	17.0	295,453	13.3	148,974	18.7
$100,000 to $1,000,000	8	527	74.2	1,790,357	80.4	569,751	71.4
GREENSBURG	53	494	100.0	1,382,472	100.0	846,870	100.0
Less than $5,000	12	10	2.0	26,606	1.9	19,125	2.3
$5,000 to $20,000	24	76	15.4	210,139	15.2	129,660	15.3
$20,000 to $1,000,000 [2]	17	408	82.6	1,145,727	82.9	698,085	82.4
HARRISBURG	219	7,966	100.0	18,872,156	100.0	8,266,998	100.0
Less than $5,000	75	67	0.8	193,154	1.0	109,384	1.3
$5,000 to $20,000	68	333	4.2	728,149	3.9	401,044	4.9
$20,000 to $100,000	43	886	11.1	1,921,733	10.2	788,472	9.5
$100,000 to $1,000,000	29	4,351	54.6	8,550,602	45.3	4,405,006	53.3
$1,000,000 and over	4	2,329	29.2	7,478,518	39.6	2,563,092	31.0
HAZLETON	76	2,744	100.0	5,593,761	100.0	2,323,026	100.0
Less than $5,000	24	18	0.7	57,420	1.0	31,015	1.3
$5,000 to $20,000	27	144	5.2	280,373	5.0	147,329	6.3
$20,000 to $100,000	14	310	11.3	567,247	10.1	325,871	14.0
$100,000 and over [1]	11	2,272	82.8	4,688,721	83.8	1,818,811	78.3
HOMESTEAD	30	260	100.0	1,019,118	100.0	559,991	100.0
Less than $5,000	7	5	1.9	24,643	2.4	16,852	3.0
$5,000 to $20,000	11	37	14.2	109,861	10.8	59,680	10.7
$20,000 to $100,000	8	107	41.2	267,039	26.2	138,854	24.8
$100,000 to $1,000,000	4	111	42.7	617,575	60.6	344,605	61.5
JOHNSTOWN	136	12,177	100.0	50,973,960	100.0	16,532,653	100.0
Less than $5,000	34	39	0.3	83,866	0.2	54,925	0.3
$5,000 to $20,000	52	248	2.0	613,970	1.2	338,105	2.0
$20,000 to $100,000	32	769	6.3	1,770,184	3.5	827,657	5.0
$100,000 and over [1]	18	11,121	91.3	48,505,940	95.1	15,311,966	92.6
LANCASTER	304	8,862	100.0	20,011,393	100.0	8,872,820	100.0
Less than $5,000	111	117	1.3	258,638	1.3	162,388	1.8
$5,000 to $20,000	101	597	6.7	1,008,252	5.0	590,326	6.6
$20,000 to $100,000	57	1,332	15.0	2,703,707	13.5	1,390,323	15.7
$100,000 to $1,000,000	30	3,887	43.9	8,056,674	40.3	3,963,880	44.7
$1,000,000 and over	5	2,929	33.1	7,984,122	39.9	2,765,903	31.2
LATROBE	25	570	100.0	2,213,234	100.0	1,287,631	100.0
Less than $5,000	9	9	1.6	24,522	1.1	15,447	1.2
$5,000 to $20,000	6	33	5.8	64,578	2.9	37,084	2.9
$20,000 to $100,000	6	64	11.2	169,430	7.7	77,261	6.0
$100,000 and over [1]	4	464	81.4	1,954,704	88.3	1,157,839	89.9
LEBANON	97	5,270	100.0	9,871,443	100.0	4,762,047	100.0
Less than $5,000	26	28	0.5	71,826	0.7	49,670	1.0
$5,000 to $20,000	27	135	2.6	267,301	2.7	156,984	3.3
$20,000 to $100,000	26	694	13.2	1,223,236	12.4	643,939	13.5
$100,000 and over [1]	18	4,413	83.7	8,309,080	84.2	3,911,454	82.1

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

Table 24—Continued.

City and value of product.	Number of establishments.	Wage earners. Average number.	Wage earners. Per cent of total.	Value of products. Amount.	Value of products. Per cent of total.	Value added by manufacture. Amount.	Value added by manufacture. Per cent of total.
MCKEESPORT	73	6,857	100.0	$33,743,329	100.0	$12,826,294	100.0
Less than $5,000	21	37	0.5	63,539	0.2	45,669	0.4
$5,000 to $20,000	28	120	1.8	324,712	1.0	162,258	1.3
$20,000 to $100,000	12	177	2.6	594,581	1.8	354,264	2.8
$100,000 and over [1]	12	6,523	95.1	32,760,497	97.1	12,264,103	95.6
MCKEES ROCKS	39	3,548	100.0	7,894,165	100.0	3,938,825	100.0
Less than $5,000	11	15	0.4	31,630	0.4	17,599	0.4
$5,000 to $20,000	12	53	1.5	126,395	1.6	76,534	1.9
$20,000 to $100,000	5	127	3.6	278,797	3.5	146,461	3.7
$100,000 to $1,000,000	8	1,243	35.0	2,345,099	29.7	1,134,883	28.8
$1,000,000 and over	3	2,110	59.5	5,112,244	64.8	2,563,348	65.1
MAHANOY CITY	33	661	100.0	1,057,349	100.0	644,613	100.0
Less than $5,000	10	15	2.3	23,207	2.2	14,461	2.2
$5,000 to $20,000	15	107	16.2	151,488	14.3	91,245	14.2
$20,000 to $1,000,000 [2]	8	539	81.5	882,654	83.5	538,907	83.6
MEADVILLE	57	1,676	100.0	5,057,962	100.0	3,192,349	100.0
Less than $5,000	20	27	1.6	55,056	1.1	26,226	0.8
$5,000 to $20,000	12	48	2.9	110,381	2.2	53,081	1.7
$20,000 to $100,000	17	253	15.1	726,871	14.4	343,907	10.8
$100,000 and over [1]	8	1,348	80.4	4,165,654	82.3	2,769,135	86.7
MOUNT CARMEL	30	978	100.0	1,279,906	100.0	570,664	100.0
Less than $5,000	9	5	0.5	15,832	1.2	9,031	1.6
$5,000 to $20,000	12	40	4.1	111,232	8.7	61,305	10.7
$20,000 to $100,000	5	307	31.4	275,031	21.5	190,264	33.3
$100,000 to $1,000,000	4	626	64.0	877,811	68.6	310,064	54.3
NANTICOKE	35	747	100.0	995,335	100.0	578,235	100.0
Less than $5,000	17	14	1.9	45,637	4.6	27,522	4.8
$5,000 to $20,000	12	70	9.4	131,396	13.2	56,838	9.8
$20,000 to $1,000,000 [2]	6	663	88.7	818,302	82.2	493,875	85.4
NEW CASTLE	95	6,381	100.0	38,384,877	100.0	8,838,207	100.0
Less than $5,000	29	32	0.5	68,761	0.2	40,265	0.4
$5,000 to $20,000	28	111	1.7	300,350	0.8	137,804	1.6
$20,000 to $100,000	20	425	6.7	885,485	2.3	462,909	5.2
$100,000 to $1,000,000	11	1,446	22.7	3,883,255	10.1	1,456,437	16.5
$1,000,000 and over	7	4,367	68.4	33,247,026	86.6	6,740,792	76.3
NORRISTOWN	105	3,959	100.0	8,421,430	100.0	3,997,847	100.0
Less than $5,000	30	32	0.8	69,129	0.8	41,941	1.0
$5,000 to $20,000	27	110	2.8	278,591	3.3	140,727	3.5
$20,000 to $100,000	25	630	15.9	1,219,787	14.5	590,074	14.8
$100,000 to $1,000,000	23	3,187	80.5	6,853,923	81.4	3,225,105	80.7
OIL CITY	36	2,276	100.0	4,871,981	100.0	2,830,749	100.0
Less than $5,000	7	8	0.4	34,148	0.7	27,958	1.0
$5,000 to $20,000	16	74	3.3	173,591	3.6	79,515	2.8
$20,000 to $100,000	7	77	3.4	296,792	6.1	147,790	5.2
$100,000 and over [1]	6	2,117	93.0	4,367,450	89.6	2,575,486	91.0
PHILADELPHIA	8,454	251,286	100.0	784,499,633	100.0	333,302,442	100.0
Less than $5,000	2,652	2,880	1.1	6,397,098	0.8	4,128,614	1.2
$5,000 to $20,000	2,553	12,716	5.1	25,807,410	3.3	15,324,387	4.6
$20,000 to $100,000	1,958	39,475	15.7	92,161,374	11.7	47,155,389	14.1
$100,000 to $1,000,000	1,169	114,534	45.6	326,794,848	41.7	146,247,251	43.9
$1,000,000 and over	122	81,681	32.5	333,338,903	42.5	120,446,801	36.1
PHOENIXVILLE	34	2,927	100.0	6,238,757	100.0	2,450,033	100.0
Less than $5,000	9	9	0.3	15,971	0.3	7,381	0.3
$5,000 to $20,000	12	28	1.0	114,853	1.8	53,858	2.2
$20,000 to $100,000	6	60	2.0	219,021	3.5	91,880	3.8
$100,000 and over [1]	7	2,830	96.7	5,888,912	94.4	2,296,914	93.8
PITTSBURGH	1,741	69,620	100.0	246,694,018	100.0	96,778,616	100.0
Less than $5,000	487	524	0.8	1,227,207	0.5	804,498	0.8
$5,000 to $20,000	547	2,328	3.3	5,710,266	2.3	3,598,074	3.7
$20,000 to $100,000	431	7,345	10.6	19,472,026	7.9	10,400,088	10.7
$100,000 to $1,000,000	225	22,753	32.7	72,402,594	29.3	32,379,588	33.5
$1,000,000 and over	51	36,670	52.7	147,881,925	59.9	49,596,368	51.2
PITTSTON	39	729	100.0	1,899,812	100.0	1,113,247	100.0
Less than $5,000	11	12	1.6	32,329	1.7	20,681	1.9
$5,000 to $20,000	14	62	8.5	137,830	7.3	62,542	5.6
$20,000 to $100,000	9	157	21.5	468,622	24.7	182,738	16.4
$100,000 to $1,000,000	5	498	68.3	1,261,031	66.4	847,286	76.1
PLYMOUTH	17	478	100.0	831,439	100.0	390,357	100.0
Less than $5,000	6	9	1.9	18,804	2.3	12,755	3.3
$5,000 to $20,000	3	10	2.1	35,205	4.2	17,830	4.6
$20,000 to $1,000,000 [2]	8	459	96.0	777,430	93.5	359,772	92.1

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

Table 24—Continued.

City and value of product.	Number of establishments.	Wage earners. Average number.	Wage earners. Per cent of total.	Value of products. Amount.	Value of products. Per cent of total.	Value added by manufacture. Amount.	Value added by manufacture. Per cent of total.
POTTSTOWN	77	2,622	100.0	$8,865,860	100.0	$2,666,976	100.0
Less than $5,000	20	14	0.5	37,302	0.4	22,625	0.9
$5,000 to $20,000	24	122	4.7	263,602	3.0	146,239	5.5
$20,000 to $100,000	22	572	21.8	1,108,926	12.5	574,426	21.5
$100,000 to $1,000,000	8	953	36.3	2,260,803	25.5	864,014	32.4
$1,000,000 and over	3	961	36.7	5,195,227	58.6	1,059,672	39.7
POTTSVILLE	115	3,506	100.0	10,195,800	100.0	3,084,432	100.0
Less than $5,000	42	36	1.0	93,859	0.9	57,656	1.9
$5,000 to $20,000	37	231	6.6	397,331	3.9	221,939	7.2
$20,000 to $100,000	26	519	14.8	1,057,667	10.4	450,895	14.6
$100,000 to $1,000,000	7	1,395	39.8	2,704,861	26.5	1,308,215	42.4
$1,000,000 and over	3	1,325	37.8	5,942,082	58.3	1,045,727	33.9
READING	486	24,131	100.0	53,231,926	100.0	21,845,790	100.0
Less than $5,000	146	185	0.8	339,844	0.6	203,033	0.9
$5,000 to $20,000	129	668	2.8	1,297,534	2.4	674,902	3.1
$20,000 to $100,000	124	3,921	16.2	6,254,925	11.8	3,001,513	13.7
$100,000 to $1,000,000	75	9,958	41.3	20,065,230	37.7	10,079,373	46.1
$1,000,000 and over	12	9,399	38.9	25,274,393	47.5	7,886,969	36.1
SCRANTON	308	12,559	100.0	28,721,829	100.0	12,922,423	100.0
Less than $5,000	83	98	0.8	217,798	0.8	147,490	1.1
$5,000 to $20,000	98	472	3.8	967,032	3.4	581,274	4.5
$20,000 to $100,000	67	1,671	13.3	2,978,771	10.4	1,524,087	11.8
$100,000 to $1,000,000	55	6,645	52.9	15,722,032	54.7	7,663,462	59.3
$1,000,000 and over	5	3,673	29.2	8,836,196	30.8	3,006,110	23.3
SHAMOKIN	51	2,634	100.0	5,541,617	100.0	1,985,771	100.0
Less than $5,000	18	15	0.6	48,985	0.9	28,805	1.5
$5,000 to $20,000	15	78	3.0	160,929	2.9	98,953	5.0
$20,000 to $100,000	13	272	10.3	541,287	9.8	219,637	11.1
$100,000 and over [1]	5	2,269	86.1	4,790,416	86.4	1,638,376	82.5
SHARON	48	2,298	100.0	6,372,998	100.0	2,821,849	100.0
Less than $5,000	13	12	0.5	33,597	0.5	21,442	0.8
$5,000 to $20,000	18	58	2.5	165,301	2.6	91,984	3.3
$20,000 to $100,000	11	228	9.9	446,262	7.0	243,782	8.6
$100,000 and over [1]	6	2,000	87.0	5,727,838	89.9	2,464,641	87.3
SHENANDOAH	46	475	100.0	1,573,464	100.0	661,148	100.0
Less than $5,000	20	30	6.3	55,840	3.5	35,348	5.3
$5,000 to $20,000	15	60	12.6	128,151	8.1	67,694	10.2
$20,000 to $100,000	8	261	54.9	328,700	20.9	132,474	20.0
$100,000 to $1,000,000	3	124	26.1	1,060,773	67.4	425,632	64.4
SOUTH BETHLEHEM	43	10,892	100.0	40,179,381	100.0	17,558,525	100.0
Less than $5,000	17	10	0.1	43,121	0.1	24,863	0.1
$5,000 to $20,000	10	49	0.4	97,637	0.2	55,186	0.3
$20,000 to $100,000	6	151	1.4	251,974	0.6	124,700	0.7
$100,000 and over [1]	10	10,682	98.1	39,786,649	99.0	17,353,776	98.8
SUNBURY	44	1,718	100.0	5,115,641	100.0	2,333,812	100.0
Less than $5,000	21	22	1.3	40,579	0.8	20,681	0.9
$5,000 to $20,000	12	77	4.5	156,727	3.1	88,813	3.8
$20,000 to $100,000	6	61	3.6	242,473	4.7	120,642	5.2
$100,000 and over [1]	5	1,558	90.7	4,675,862	91.4	2,103,676	90.1
TAMAQUA	46	974	100.0	1,686,748	100.0	652,273	100.0
Less than $5,000	23	21	2.2	57,789	3.4	35,513	5.4
$5,000 to $20,000	13	66	6.8	127,069	7.5	69,607	10.7
$20,000 to $100,000	5	144	14.8	213,724	12.7	108,877	16.7
$100,000 to $1,000,000	5	743	76.3	1,288,166	76.4	438,276	67.2
TAYLOR	6	333	100.0	244,941	100.0	161,083	100.0
$5,000 to $100,000 [2]	6	333	100.0	244,941	100.0	161,083	100.0
UNIONTOWN	43	776	100.0	2,237,177	100.0	1,465,460	100.0
Less than $5,000	11	17	2.2	34,648	1.5	22,768	1.6
$5,000 to $20,000	13	53	6.8	141,366	6.3	80,703	5.5
$20,000 to $100,000	11	189	24.4	447,981	20.0	287,638	19.6
$100,000 to $1,000,000	8	517	66.6	1,613,182	72.1	1,074,351	73.3
WARREN	72	1,876	100.0	8,611,207	100.0	2,850,501	100.0
Less than $5,000	19	19	1.0	49,951	0.6	30,633	1.1
$5,000 to $20,000	17	73	3.9	187,987	2.2	107,230	3.8
$20,000 to $100,000	18	371	19.8	833,372	9.7	457,147	16.0
$100,000 and over [1]	18	1,413	75.3	7,539,897	87.5	2,255,491	79.1

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

Table 24—Continued.

City and value of product.	Number of establishments.	Wage earners. Average number.	Wage earners. Per cent of total.	Value of products. Amount.	Value of products. Per cent of total.	Value added by manufacture. Amount.	Value added by manufacture. Per cent of total.
WASHINGTON	64	2,002	100.0	$5,093,672	100.0	$2,249,821	100.0
Less than $5,000	23	19	0.9	65,407	1.3	37,412	1.7
$5,000 to $20,000	17	49	2.4	149,064	2.9	73,427	3.3
$20,000 to $100,000	17	352	17.6	896,485	17.6	462,131	20.5
$100,000 and over [1]	7	1,582	79.0	3,982,716	78.2	1,676,851	74.5
WEST CHESTER	55	894	100.0	2,084,505	100.0	1,311,730	100.0
Less than $5,000	23	20	2.2	57,240	2.7	37,962	2.9
$5,000 to $20,000	16	101	11.3	172,447	8.3	109,481	8.3
$20,000 to $100,000	12	150	16.8	483,733	23.2	275,300	21.0
$100,000 to $1,000,000	4	623	69.7	1,371,085	65.8	888,987	67.8
WILKES-BARRE	188	8,107	100.0	16,733,954	100.0	8,719,842	100.0
Less than $5,000	46	57	0.7	124,314	0.7	83,184	1.0
$5,000 to $20,000	76	358	4.4	759,704	4.5	439,499	5.0
$20,000 to $100,000	41	808	10.0	1,773,472	10.6	845,262	9.7
$100,000 to $1,000,000	20	3,259	40.2	5,924,470	35.4	3,081,956	35.3
$1,000,000 and over	5	3,625	44.7	8,151,994	48.7	4,269,941	49.0
WILKINSBURG	29	194	100.0	572,207	100.0	309,842	100.0
Less than $5,000	8	9	4.6	24,168	4.2	15,693	5.1
$5,000 to $20,000	12	52	26.8	132,296	23.1	77,894	25.1
$20,000 to $100,000	9	133	68.6	415,743	72.7	216,255	69.8
WILLIAMSPORT	176	6,015	100.0	15,863,699	100.0	7,238,928	100.0
Less than $5,000	43	38	0.6	86,780	0.5	52,298	0.7
$5,000 to $20,000	63	304	5.1	574,588	3.6	287,361	4.0
$20,000 to $100,000	34	790	13.1	1,711,451	10.8	762,297	10.5
$100,000 and over [1]	36	4,883	81.2	13,490,880	85.0	6,136,972	84.8
YORK	247	10,851	100.0	22,043,328	100.0	10,881,935	100.0
Less than $5,000	72	87	0.8	163,786	0.7	96,270	0.9
$5,000 to $20,000	70	474	4.4	736,889	3.3	391,483	3.6
$20,000 to $100,000	60	1,564	14.4	2,611,901	11.8	1,421,571	13.1
$100,000 to $1,000,000	41	5,718	52.7	11,960,864	54.3	5,624,458	51.7
$1,000,000 and over	4	3,008	27.7	6,569,888	29.8	3,348,153	30.8
ALL OTHER CITIES [2]	127	22,848	100.0	105,791,578	100.0	28,713,033	100.0
Less than $5,000	31	23	0.1	74,953	0.1	44,168	0.2
$5,000 to $20,000	39	131	0.6	412,579	0.4	192,983	0.7
$20,000 to $100,000	27	700	3.1	1,187,368	1.1	624,389	2.2
$100,000 to $1,000,000	9	1,600	7.0	2,619,730	2.5	1,196,988	4.2
$1,000,000 and over	21	20,394	89.3	101,496,948	95.9	26,654,505	92.8

[1] Includes the group "$1,000,000 and over."
[2] All other cities embrace: Coatesville, Dickson City, Duquesne, Farrell (formerly South Sharon), Monessen, North Braddock, Old Forge, and Steelton.

In the cities, as throughout the state, establishments having products valued at $100,000 and over reported the largest number of wage earners as well as the greatest value of products and the greatest value added by manufacture. The largest proportion of the total value of products contributed by establishments in this class, 99 per cent, was reported by South Bethlehem, and the smallest, 52.6 per cent, by Connellsville. In the two principal manufacturing cities of the state, Philadelphia and Pittsburgh, the bulk of manufacturing was done in establishments of this class, the per cent of the total products shown for this group being 84.2 and 89.2, respectively.

Table 25 shows the size of establishments in 1914 as measured by the number of wage earners employed, for all industries combined, for 45 of the more important industries and for the 71 cities having more than 10,000 inhabitants. Table 26 presents for 1914 percentages based on the figures in Table 25 and for 1909 similar percentages for all industries combined and for individual industries.

Table 25

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
			No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.		51 to 100 wage earners.		101 to 250 wage earners.		251 to 500 wage earners.		501 to 1,000 wage earners.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	27,521	924,478	3,825	12,610	28,815	5,252	59,548	2,643	86,047	1,385	98,420	1,117	175,040	413	144,155	174	119,059	102	213,394
Automobiles, including bodies and parts	80	3,083	3	32	93	26	304	6	183	4	336	5	718	4	1,449	....	.....	....	.....
Boots and shoes, including cut stock and findings	146	13,414	2	17	37	27	345	30	1,093	36	2,532	23	3,996	7	2,575	4	2,836	....	.....
Boxes, fancy and paper	133	5,140	.....	13	47	42	539	45	1,511	24	1,637	8	1,147	1	259	....	.....	....	.....
Bread and other bakery products	2,987	15,157	476	2,078	4,404	352	3,434	49	1,678	15	1,053	12	1,875	2	731	3	1,982	....	.....
Brick, tile, pottery, and other clay products	377	18,976	6	43	129	106	1,338	115	3,855	59	4,066	42	6,836	4	1,458	2	1,294	....	.....
Canning and preserving	84	3,096	4	35	98	25	258	12	406	5	316	2	362	....	.....	....	.....	1	1,656
Carpets and rugs, other than rag	63	9,569	.....	2	6	12	163	15	489	10	723	16	2,637	4	1,272	2	1,267	2	3,012
Carriages and wagons and materials	687	6,370	88	415	1,056	136	1,339	24	700	15	977	7	949	1	259	....	.....	1	1,090
Cars and general shop construction and repairs by steam-railroad companies	163	54,729	.....	11	32	26	338	24	802	23	1,688	29	4,463	23	7,561	13	8,705	14	31,140
Cars, steam-railroad, not including operations of railroad companies	12	9,955	.....	.....	.....	.....	.....	1	28	1	93	2	326	4	1,240	1	531	3	7,737
Cement	26	7,910	.....	1	4	.....	.....	.....	.....	2	118	12	2,428	8	2,632	2	1,087	1	1,641
Chemicals	39	4,748	.....	11	30	10	146	5	158	7	495	1	125	1	279	2	1,259	2	2,256
Clothing, men's, including shirts	699	21,126	40	188	473	217	2,686	152	4,769	62	4,204	29	4,144	8	2,802	3	2,048	....	.....
Clothing, women's	483	17,217	17	72	193	178	2,309	125	4,085	52	3,577	34	5,430	5	1,623	....	.....	....	.....
Coke, not including gas-house coke	108	9,871	.....	9	33	25	320	29	944	22	1,470	16	2,418	6	2,153	....	.....	1	2,533
Confectionery	281	6,465	41	134	320	53	568	23	734	13	910	11	1,886	6	2,047	....	.....	....	.....
Copper, tin, and sheet-iron products	431	6,818	23	246	638	106	1,152	31	981	11	800	10	1,741	3	934	1	572	....	.....
Cotton goods, including cotton small wares	155	14,640	4	8	28	32	377	47	1,625	24	1,852	26	3,889	10	3,377	3	2,429	1	1,063
Cutlery and tools, not elsewhere specified	101	3,504	14	32	68	20	246	18	623	8	604	6	764	2	630	1	569	....	.....
Dyeing and finishing textiles	150	6,389	2	28	86	58	778	37	1,317	14	958	7	991	2	842	2	1,417	....	.....
Electrical machinery, apparatus, and supplies	105	14,866	2	28	83	33	403	15	437	11	877	9	1,281	4	1,354	1	988	2	9,443
Foundry and machine-shop products	1,887	91,820	122	684	1,654	465	5,330	256	8,166	133	9,403	154	24,500	45	15,544	19	13,157	9	14,066
Furniture and refrigerators	324	12,088	25	86	232	81	916	59	1,839	47	3,328	21	3,368	4	1,291	....	.....	1	1,114
Glass	103	23,606	.....	.....	.....	3	51	6	261	24	1,844	36	5,908	27	9,700	4	2,357	3	3,485
Hats, fur-felt	27	6,714	1	10	22	6	81	2	57	.....	.....	5	864	1	264	1	521	1	4,905
Hosiery and knit goods	498	41,130	9	42	103	112	1,527	136	4,621	105	7,791	58	8,869	26	9,190	8	5,773	2	3,256
Iron and steel, blast furnaces	52	11,518	.....	1	5	3	36	6	250	7	577	24	3,917	5	1,470	5	4,000	1	1,263
Iron and steel, steel works and rolling mills	178	131,955	.....	.....	.....	1	15	9	318	17	1,371	38	6,104	43	16,209	38	26,509	32	81,429
Iron and steel, wrought pipe	12	3,990	.....	1	.....	1	8	3	142	1	70	1	246	3	1,060	....	.....	2	2,464
Leather, tanned, curried, and finished	120	11,988	3	7	19	18	255	14	515	44	2,901	23	3,128	8	3,050	2	1,022	1	1,098
Lime	265	3,128	39	181	300	24	268	12	384	2	129	3	387	3	1,059	1	601	....	.....
Liquors, malt	215	7,512	.....	12	41	68	973	103	3,258	20	1,366	11	1,613	1	261	....	.....	....	.....
Lumber and timber products	2,348	21,297	169	1,408	3,376	577	6,222	127	3,803	39	2,735	25	3,644	1	279	2	1,238	....	.....
Marble and stone work	602	7,166	90	344	753	75	874	56	1,893	24	1,665	12	1,718	1	263	....	.....	....	.....
Millinery and lace goods, not elsewhere specified	114	3,585	2	23	61	53	616	17	583	13	935	5	748	....	.....	1	642	....	.....
Paper and wood pulp	53	7,447	.....	6	22	12	161	8	299	9	646	9	1,572	6	1,941	2	1,378	1	1,428
Petroleum, refining	48	4,902	.....	6	24	14	206	17	561	4	236	3	491	3	1,001	....	.....	1	2,383
Printing and publishing	2,538	26,909	663	1,141	2,942	488	5,041	152	4,717	51	3,678	36	5,889	6	1,981	....	.....	1	2,661
Rubber goods, not elsewhere specified	19	3,172	1	4	9	3	42	5	179	.....	.....	1	128	2	694	3	2,120	....	.....
Shipbuilding, including boat building	33	4,773	3	15	45	6	94	3	126	3	244	2	213	....	.....	....	.....	1	4,051
Silk goods, including throwsters	284	44,755	.....	7	26	22	314	65	2,340	75	5,626	66	10,703	35	12,139	7	4,842	7	8,765
Slaughtering and meat packing	166	3,687	7	87	195	34	376	22	703	6	449	9	1,546	1	418	....	.....	....	.....
Stoves and furnaces, including gas and oil stoves	77	4,111	3	17	56	17	191	15	555	11	764	12	1,997	2	548	....	.....	....	.....
Tobacco manufactures	2,194	37,370	774	876	1,893	279	3,081	116	3,672	60	4,343	54	8,340	25	9,171	10	6,870	....	.....
Woolen, worsted, and felt goods and wool hats	203	24,461	8	21	46	34	475	37	1,357	34	2,480	46	7,404	13	4,450	8	6,085	2	2,164
All other industries	7,851	132,351	1,184	4,228	9,133	1,372	15,352	594	19,030	238	16,553	156	23,337	47	16,695	23	14,960	9	17,291
Total for cities	15,750	578,387	2,079	6,641	15,996	3,401	38,919	1,719	55,883	798	57,200	667	105,116	263	92,382	124	85,194	58	127,697
ALLENTOWN	297	13,685	36	112	316	60	680	40	1,329	16	1,187	18	2,885	11	3,981	3	2,146	1	1,161
ALTOONA	70	10,732	7	35	94	11	150	12	359	2	113	.....	.....	....	.....	1	774	2	9,242
BEAVER FALLS	59	2,639	7	26	68	8	76	8	254	3	263	4	639	2	742	1	597	....	.....
BETHLEHEM	40	1,496	4	14	26	12	124	4	144	2	144	2	370	2	688	....	.....	....	.....
BRADDOCK	39	1,140	1	20	56	10	80	4	132	1	56	2	281	....	.....	1	535	....	.....
BRADFORD	71	1,178	15	25	49	16	190	10	314	.....	.....	5	625	....	.....	....	.....	....	.....
BRISTOL	32	1,809	5	14	29	5	42	2	50	2	138	1	121	2	652	1	777	....	.....
BUTLER	69	3,303	7	36	90	14	150	6	172	2	134	2	428	....	.....	1	513	1	1,816
CARBONDALE	43	1,897	2	23	52	10	96	2	77	2	112	1	245	2	627	1	688	....	.....
CARLISLE	50	1,603	9	17	35	8	94	7	250	5	324	3	563	1	337	....	.....	....	.....
CARNEGIE	19	337	2	7	28	7	65	1	39	1	53	1	152	....	.....	....	.....	....	.....
CHAMBERSBURG	59	1,650	5	27	75	17	158	2	58	1	68	6	926	1	365	....	.....	....	.....
CHARLEROI	29	1,904	5	13	32	6	65	1	30	.....	.....	3	448	....	.....	....	.....	1	1,329
CHESTER	153	6,295	18	59	159	28	337	16	527	15	990	11	1,919	5	1,660	1	703	....	.....
COLUMBIA	61	2,141	7	24	73	16	150	4	116	4	324	4	702	2	776	....	.....	....	.....

Table 25—Continued.

Industry and city.	Total.		Establishments employing—																	
			No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.		51 to 100 wage earners.		101 to 250 wage earners.		251 to 500 wage earners.		501 to 1,000 wage earners.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
Connellsville	42	1,087	3	15	45	14	136	7	219	2	127					1	560		
Dubois	34	1,105	2	15	47	7	50	5	109	3	178			2	721				
Dunmore	24	948	4	13	37	1	15	3	117	1	80	1	181			1	518		
Easton	118	4,062	15	47	120	34	387	13	403	3	181	2	333	2	858	1	538	1	1,242
Erie	363	11,016	34	169	438	80	892	38	1,240	15	958	15	2,056	9	3,331	3	2,101		
Franklin	45	1,479		22	51	10	94	3	114	3	211	5	740	2	269				
Greater Punxsutawney	34	710	3	15	37	6	50	7	272	2	244	1	107						
Greensburg	53	494	5	31	80	14	161	2	48			1	205						
Harrisburg	219	7,966	31	98	211	44	474	16	584	13	962	9	1,345	4	1,390	3	1,657	1	1,343
Hazleton	76	2,744	10	34	84	16	170	6	179	6	442	2	432	1	424			1	1,013
Homestead	30	260	3	16	38	7	79	3	90	1	53								
Johnstown	136	12,177	10	61	158	35	367	18	596	4	284	3	428	1	405	3	2,437	1	7,502
Lancaster	304	8,862	42	136	328	68	752	28	906	14	973	5	742	7	2,284	4	2,877		
Latrobe	25	570	4	11	26	5	47	2	64	1	60	2	373						
Lebanon	97	5,270	7	41	105	23	255	12	460	9	699	2	348	1	297	1	642	1	2,464
McKeesport	73	6,857	3	41	113	17	197	5	170			3	491	3	1,128			1	4,758
McKees Rocks	39	3,548	1	18	37	6	65	3	93	3	247	4	618	2	705	1	554	1	1,229
Mahanoy City	33	661	3	17	49	7	51	1	42	3	200	2	319						
Meadville	57	1,676	7	27	73	12	134	4	128	2	148			5	1,193				
Mount Carmel	30	978	8	11	25	5	41			3	175	1	201	2	536				
Nanticoke	35	747	7	21	46	3	30	2	57	1	73					1	541		
New Castle	95	6,381	9	41	94	20	164	11	425	2	139	4	803	4	1,250	3	2,353	1	1,153
Norristown	105	3,959	14	41	106	19	241	13	491	8	698	5	575	5	1,848				
Oil City	36	2,276	2	17	42	11	117			1	62	2	397	1	332	2	1,326		
Philadelphia	8,454	251,286	1,201	3,517	8,212	1,825	21,330	968	31,653	433	31,068	343	54,417	111	38,851	39	27,110	17	38,645
Phoenixville	34	2,927	3	21	53	3	45			2	121	2	273	2	559			1	1,876
Pittsburgh	1,741	69,620	235	720	1,800	416	4,781	172	5,268	68	4,712	72	11,306	28	10,767	19	12,298	11	18,688
Pittston	39	729	4	19	42	8	99	5	175	1	87	2	326						
Plymouth	17	478	1	8	19	5	68	1	32	1	76			1	283				
Pottstown	77	2,622	9	30	64	16	168	10	267	4	257	5	841	3	1,025				
Pottsville	115	3,506	21	46	117	29	353	11	339	3	184	1	123	2	908	2	1,482		
Reading	486	24,131	56	186	462	89	1,100	66	2,228	41	3,184	30	4,361	8	2,925	7	5,113	3	4,758
Scranton	308	12,559	39	120	299	66	759	32	1,034	23	1,631	18	2,742	4	1,345	5	3,553	1	1,196
Shamokin	51	2,634	6	22	43	14	164	6	182	1	74					1	804	1	1,367
Sharon	48	2,298	5	27	61	5	56	6	218	1	68	1	164	2	878	1	853		
Shenandoah	46	475	5	28	70	6	64	5	184	1	54	1	103						
South Bethlehem	43	10,892	8	17	35	7	81	1	25	1	94	5	844	2	657	1	787	1	8,369
Sunbury	44	1,718	7	21	48	10	89	2	51	1	72	1	143	1	484	1	831		
Tamaqua	46	974	9	23	44	9	90			3	229	1	114	1	497				
Taylor	6	333		1	3	1	16	1	42	2	155	1	117						
Uniontown	43	776	3	20	47	10	100	7	220	1	67	2	342						
Warren	72	1,876	9	23	61	17	186	11	286	8	475	3	547	1	321				
Washington	64	2,002	11	27	48	15	173	6	168	2	115	2	428					1	1,070
West Chester	55	894	9	28	61	11	124	4	137	1	61	1	160	1	351				
Wilkes-Barre	188	8,107	17	87	230	46	494	17	578	7	485	5	877	4	1,493	3	1,798	2	2,152
Wilkinsburg	29	194	5	12	35	11	127	1	32										
Williamsport	176	6,015	21	77	201	24	283	24	751	9	686	16	2,524	4	1,022	1	548		
York	247	10,851	26	91	228	50	571	32	1,027	22	1,511	16	2,037	6	2,210	3	2,211	1	1,056
All other cities[1]	127	22,848	12	60	141	16	172	10	328	6	634	7	1,329	3	1,007	7	4,969	6	14,268

[1] All other cities embrace: Coatesville, Dickson City, Duquesne, Farrell (formerly South Sharon), Monessen, North Braddock, Old Forge, and Steelton.

Of the 27,521 establishments reported in 1914 for all industries combined, 3,825, or 13.9 per cent, employed no wage earners. These were small establishments in which the work was done by proprietors or firm members. In some cases a few wage earners were employed for short periods, but the number was so small and the term of employment so short that in computing the average number, as described in the "Explanation of terms," no wage earners could be shown. The group of establishments having more than 1,000 wage earners, although representing only four-tenths of 1 per cent of the total number of establishments in the state, gave employment to 23.1 per cent of the total wage earners. The per cent of the total number of wage earners reported by each of the groups in 1914 shows a decrease during the five-year period with the exception of the groups comprising those employing 101 to 250, from 251 to 500, and over 1,000 wage earners, each of which shows a slight increase.

In the bakeries, in the manufacture of lime, and of copper, tin, and sheet-iron products, in marble and stone work, as well as in the slaughtering and meat-packing, the carriage and wagon, and the lumber industries, a majority of the establishments employed from 1 to 5 wage earners.

Of the 578,387 wage earners employed in the cities of 10,000 inhabitants or over, Philadelphia reported 43.4 per cent. The largest number in Philadelphia employed in any one group was reported by establishments employing from 101 to 250 wage earners, whereas in Pittsburgh, the second city in rank as to the number of persons employed, the greatest number in any single group was reported by establishments employing over 1,000 wage earners each.

Table 26

INDUSTRY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.							
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
All industries	1914	3.1	6.4	9.3	10.6	18.9	15.6	12.9	23.1
	1909	3.3	6.8	9.9	11.1	18.8	15.4	13.7	20.9
Automobiles, including bodies and parts.	1914	3.0	9.9	5.9	10.9	23.3	47.0	.....	.....
	1909	0.8	4.2	8.5	5.1	24.1	37.3	20.1	.....
Boots and shoes, including cut stock and findings.	1914	0.3	2.6	8.1	18.9	29.8	19.2	21.1	.....
	1909	3.3	6.8	9.9	11.1	18.8	15.4	13.7	20.9
Boxes, fancy and paper	1914	0.9	10.5	29.4	31.8	22.3	5.0	.....	.....
	1909	0.7	8.9	32.2	32.0	26.2	.....	.....	.....
Bread and other bakery products.	1914	29.1	22.7	11.1	6.9	12.4	4.8	13.1	.....
	1909	0.5	3.8	9.6	16.0	30.8	26.5	12.9	.....
Brick, tile, pottery, and other clay products.	1914	0.7	7.1	20.3	21.4	36.0	7.7	6.8	.....
	1909	1.6	11.4	25.6	25.6	28.4	7.5	.....	.....
Canning and preserving	1914	3.2	8.3	13.1	10.2	11.7	.....	.....	53.5
	1909	4.3	7.4	9.6	10.1	11.2	9.8	.....	47.7
Carpets and rugs, other than rag.	1914	0.1	1.7	5.1	7.6	27.6	13.3	13.2	31.5
	1909	0.1	2.1	6.6	12.6	15.1	18.1	14.8	30.5
Carriages and wagons and materials.	1914	16.6	21.0	11.0	15.3	14.9	4.1	.....	17.1
	1909	12.7	27.2	13.0	12.7	13.1	3.4	.....	17.9
Cars and general shop construction and repairs by steam-railroad companies.	1914	0.1	0.6	1.5	3.1	8.2	13.8	15.9	56.9
	1909	0.1	0.4	1.4	2.5	10.4	9.4	24.8	51.0
Cars, steam-railroad, not including operations of railroad companies.	1914	.....	.....	0.3	0.9	3.3	12.5	5.3	77.7
	1909	.....	0.2	0.7	3.0	6.7	3.7	.....	85.7
Cement	1914	0.1	.....	.....	1.5	30.7	33.3	13.7	20.7
	1909	.....	0.4	0.8	1.1	24.1	28.9	13.6	31.1
Chemicals	1914	0.6	3.1	3.3	10.4	2.6	5.9	26.5	47.5
	1909	0.9	4.3	11.7	4.0	15.6	.....	63.5	.....
Clothing, men's, including shirts	1914	2.2	12.7	22.6	19.9	19.6	13.3	9.7	.....
	1909	2.1	10.6	25.8	17.8	22.3	10.9	5.6	4.9
Clothing, women's	1914	1.1	13.4	23.7	20.8	31.5	9.4	.....	.....
	1909	1.2	10.4	25.9	20.6	32.6	4.5	4.8	.....
Coke, not including gas-house coke.	1914	0.3	3.2	9.6	14.9	24.5	21.8	.....	25.7
	1909	0.6	3.6	4.0	11.5	24.8	21.5	.....	34.0
Confectionery	1914	4.9	8.8	11.4	14.1	29.2	31.7	.....	.....
	1909	5.3	11.7	9.4	14.0	46.5	13.1	.....	.....
Copper, tin, and sheet-iron products.	1914	9.4	16.9	14.4	11.7	25.5	13.7	8.4	.....
	1909	6.7	15.2	15.0	9.1	22.0	13.2	18.8	.....
Cotton goods, including cotton small wares.	1914	0.2	2.6	11.1	12.7	26.6	23.1	16.6	7.3
	1909	0.3	2.8	10.8	10.5	35.5	24.0	9.0	7.1
Cutlery and tools, not elsewhere specified.	1914	1.9	7.0	17.8	17.2	21.8	18.0	16.2	.....
	1909	2.0	7.1	16.0	27.3	16.8	17.8	12.9	.....
Dyeing and finishing textiles	1914	1.3	12.2	20.6	15.0	15.5	13.2	22.2	.....
	1909	1.6	10.4	16.7	15.6	20.3	20.7	14.7	.....
Electrical machinery, apparatus and supplies	1914	0.6	2.7	2.9	5.9	8.6	9.1	6.6	63.5
	1909	0.5	2.7	4.0	6.2	11.7	5.8	4.9	64.2
Foundry and machine-shop products.	1914	1.8	5.8	8.9	10.2	26.7	16.9	14.3	15.3
	1909	1.8	5.3	9.5	12.4	23.5	17.2	14.5	15.8
Furniture and refrigerators	1914	1.9	7.6	15.2	27.5	27.9	10.7	.....	9.2
	1909	2.7	10.0	21.1	17.5	30.3	18.3	.....	.....
Glass	1914	.....	0.2	1.1	7.8	25.0	41.1	10.0	14.8
	1909	(1)	0.3	1.9	8.2	24.5	32.9	22.3	9.9
Hats, fur-felt	1914	0.3	1.2	0.8	.....	12.9	3.9	7.8	73.1
	1909	0.2	2.0	2.6	1.1	6.2	26.9	.....	60.9
Hosiery and knit goods	1914	0.3	3.7	11.2	18.9	21.6	22.3	14.0	7.9
	1909	0.3	3.1	12.4	17.8	25.1	24.3	12.6	4.5
Iron and steel, blast furnaces	1914	(1)	0.3	2.2	5.0	34.0	12.8	34.7	11.0
	1909	(1)	0.4	1.7	7.8	27.1	25.5	26.9	10.5
Iron and steel, steel works and rolling mills.	1914	.....	(1)	0.2	1.0	4.6	12.3	20.1	61.7
	1909	(1)	0.1	0.3	1.5	4.5	10.9	22.7	59.9
Iron and steel, wrought pipe	1914	.....	0.2	3.6	1.8	6.2	26.6	.....	61.8
	1909	0.1	0.7	0.6	3.7	10.6	11.1	.....	73.2
Leather, tanned, curried, and finished.	1914	0.2	2.1	4.3	24.2	26.1	25.4	8.5	9.2
	1909	0.4	2.0	6.1	25.4	22.3	25.5	18.3	.....
Lime	1914	9.6	8.6	12.3	4.1	12.4	33.9	19.2	.....
	1909	11.9	9.4	16.3	15.0	18.2	11.7	17.5	.....
Liquors, malt	1914	0.5	13.0	43.4	18.2	21.5	3.5	.....	.....
	1909	1.0	19.9	38.7	19.7	16.5	4.2	.....	.....
Lumber and timber products	1914	15.9	29.2	17.9	12.8	17.1	1.3	5.8	.....
	1909	14.1	26.9	19.3	12.9	13.6	3.6	9.6	.....
Marble and stone work	1914	10.5	12.2	26.4	23.2	24.0	3.7	.....	.....
	1909	8.6	15.6	27.8	22.3	15.5	3.0	7.2	.....
Millinery and lace goods	1914	1.7	17.2	16.3	26.1	20.9	.....	17.9	.....
	1909	1.6	8.4	20.1	13.4	34.6	6.4	15.6	.....
Paper and wood pulp	1914	0.3	2.2	4.0	8.7	21.1	26.1	18.5	19.2
	1909	0.4	3.0	5.4	8.7	35.7	27.1	19.8	.....
Petroleum, refining	1914	0.5	4.2	11.4	4.8	10.0	20.4	.....	48.6
	1909	0.4	6.3	19.9	4.0	19.3	10.0	.....	40.1
Printing and publishing	1914	10.9	18.7	17.5	13.7	21.9	7.4	.....	9.9
	1909	12.4	20.3	17.9	14.0	22.9	9.1	3.3	.....
Rubber goods	1914	0.3	1.3	5.6	.....	4.0	21.9	66.8	.....
	1909	1.2	2.6	10.9	6.9	20.7	57.7	.....	.....
Shipbuilding, including boat building.	1914	0.9	2.0	2.6	5.1	4.5	.....	.....	84.9
	1909	0.7	2.0	1.7	5.6	10.3	9.4	.....	70.3
Silk goods, including throwsters.	1914	0.1	0.7	5.2	12.6	23.9	27.1	10.8	19.6
	1909	0.1	0.9	4.5	9.3	26.6	28.8	18.8	10.9
Slaughtering and meat packing.	1914	5.3	10.2	19.1	12.2	41.9	11.3	.....	.....
	1909	7.3	14.5	19.2	22.2	25.1	11.7	.....	.....
Stoves and furnaces, including gas and oil stoves.	1914	1.4	4.6	13.5	18.6	48.6	13.3	.....	.....
	1909	1.0	5.9	6.0	31.6	40.8	14.8	.....	.....
Tobacco manufactures	1914	5.1	8.2	9.8	11.6	22.3	24.5	18.4	.....
	1909	6.3	11.5	11.7	13.5	23.1	19.0	11.4	3.6
Woolen, worsted, and felt goods, and wool hats.	1914	0.2	1.9	5.5	10.1	30.3	18.2	24.9	8.8
	1909	0.1	1.5	6.1	13.1	27.3	13.0	26.6	12.2

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

Engines and power.—Table 27 shows, for 1914, 1909, and 1904, for all industries combined, the number and total horsepower of engines or motors employed in generating power (including electric motors operated by purchased current). It also shows separately the number and horsepower of electric motors operated by current generated in the establishments reporting.

Ths table shows an increase in primary power, amounting to 628,311 horsepower, or 21.5 per cent, from 1909 to 1914. The use of rented power, now almost wholly electric, has greatly increased since 1904, when it represented only 2.6 per cent of the total primary power reported. In 1909 the amount of rented power had increased to 5.6 per cent of the total and in 1914 to 10.1 per cent.

The increase in the use of electric motors run by current generated within the same establishment, although considerable, has not kept pace with that of rented power. The power of motors operated by current generated in the same establishments represented 89.7 per cent of the total electric power in 1904, 83.2 per cent in 1909, but only 77.5 per cent in 1914.

The use of internal-combustion engines increased rapidly during the decade, but not so rapidly as that of rented electric power. The horsepower of such engines, however, represented 6.3 per cent of the total primary power in 1914.

During the last five-year period, there was a decrease in the horsepower of water wheels, turbines, and motors, which in 1914 formed 1.3 per cent of the total primary power.

Table 27

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total	64,318	44,204	24,355	3,549,858	2,921,547	2,302,398	100.0	100.0	100.0
Owned	24,790	27,213	24,355	3,191,636	2,757,792	2,243,331	89.9	94.4	97.4
Steam engines and turbines [1]	18,577	20,764	19,478	2,922,616	2,549,090	2,124,502	82.3	87.3	92.3
Internal-combustion engines	4,628	4,415	2,890	223,695	153,508	68,209	6.3	5.3	3.0
Water wheels, turbines, and motors	1,585	2,034	1,987	45,325	55,194	50,620	1.3	1.9	2.2
Rented	39,528	16,991	(2)	358,222	163,755	59,067	10.1	5.6	2.6
Electric	39,528	16,991	(2)	344,189	145,621	35,701	9.7	5.0	1.6
Other	.....	.....	.....	14,033	18,134	23,366	0.4	0.6	1.0
Electric	108,863	59,089	.....	1,529,151	864,785	346,797	100.0	100.0	100.0
Rented	39,528	16,991	(2)	344,189	145,621	35,701	22.5	16.8	10.3
Generated by establishments reporting	69,335	42,098	19,800	1,184,962	719,164	311,096	77.5	83.2	89.7

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

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

Table 28 shows, for 1914, the quantity of each kind of fuel used, for which data were obtained, for all industries combined, for certain selected industries in the state as a whole, and for all industries combined for the cities which can be shown separately.

Table 28

INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 lbs.).	COAL. Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
All industries	3,906,024	54,141,142	11,996,930	2,026,603	110,044,684
Automobiles, including bodies and parts	1,133	24,568	529	12,930	14,939
Boots and shoes, including cut stock and findings	12,439	12,151	656	466	4,574
Boxes, fancy and paper	6,753	2,040	.....	93	10,571
Bread and other bakery products	91,742	27,165	27,377	540	1,055,488
Brass, bronze, and copper products	3,896	18,936	12,545	6,234	108,991
Brick, tile, pottery, and other clay products	88,035	1,513,382	5,748	6,193	4,545,049
Canning and preserving	1,940	40,902	.....	62	54,465
Carpets and rugs, other than rag	34,411	48,443	.....	1,723	7,748
Carriages and wagons and materials	34,768	29,641	1,431	9,066	100,508
Cars and general shop construction and repairs by steam-railroad companies	319,209	836,191	19,537	121,599	177,750
Cars, steam-railroad, not including operations of railroad companies	30,915	185,044	15,220	14,377	963,585
Cement	128,626	1,940,595	17,304	6,299	48,000
Chemicals	51,836	338,040	5,247	12,731	335,137
Clothing, men's, including shirts	11,057	8,571	1	1,555	42,696
Coke, not including gas-house coke	.....	30,448,302	.....	27	.....
Confectionery	12,321	17,364	462	142	111,869
Copper, tin, and sheet-iron products	10,772	19,199	1,730	2,823	162,513
Cotton goods, including cotton small wares	55,159	72,152	.....	251	12,511
Cutlery and tools, not elsewhere specified	7,311	37,674	1,698	5,199	296,682
Dyeing and finishing textiles	77,869	142,182	95	252	23,097
Electrical machinery, apparatus, and supplies	3,155	122,889	2,913	26,768	433,817
Explosives	20,090	30,336	.....	19	918
Foundry and machine-shop products	174,282	824,713	265,242	87,074	5,195,568
Furniture and refrigerators	18,058	65,579	2	313	46,680
Gas, illuminating and heating	87,443	412,849	155,817	287,712	51,117
Glass	9,155	521,399	1,501	118,674	20,939,700
Hats, fur-felt	29,488	8,901	.....	20	18,657
Hosiery and knit goods	70,234	42,324	1,388	449	9,207
Ice, manufactured	34,340	365,421	.....	2,654	107,230
Iron and steel, blast furnaces	45,369	919,391	11,157,627	75	178,780
Iron and steel, steel works and rolling mills	476,646	10,335,061	162,924	1,006,833	63,406,100
Iron and steel, wrought pipe	48,473	188,477	3,481	12,600	74,004
Leather, tanned, curried, and finished	23,153	333,819	111	284	405,411
Lime	52,621	198,167	30,353	180	913
Liquors, malt	179,924	319,666	1,745	524	1,363,857
Locomotives, not made by railroad companies	30,682	106,770	11,436	49,003	121,984
Lumber and timber products	17,053	100,283	173	2,905	58,387
Marble and stone work	22,922	76,435	108	1,792	27,790
Minerals and earths, ground	5,004	38,819	917	168	55,285
Paper and wood pulp	27,491	777,020	936	802	543,669
Petroleum, refining	302,994	587,025	23,696	83,561	3,484,065
Printing and publishing	44,917	14,908	51	868	275,761
Rubber goods, not elsewhere specified	1,428	70,501	.....	75	842
Silk goods, including throwsters	196,516	52,910	.....	52	109,856
Slaughtering and meat packing	33,933	81,263	140	183	19,546
Tobacco manufactures	16,241	8,594	36	100	63,334
Woolen, worsted, and felt goods, and wool hats	49,990	169,020	32	523	28,797
All other industries	904,230	1,606,060	66,721	139,830	4,947,236
Total for cities	2,474,867	14,859,904	6,789,300	1,611,049	35,274,963
ALLENTOWN	71,329	124,385	1,134	16,447	5,297
ALTOONA	98	194,314	7,908	50,687	29,354
BEAVER FALLS	2,220	81,877	2,813	1,968	101,327
BETHLEHEM	12,637	2,170	.....	7,397	3,904
BRADDOCK	136	66,670	531	.....	311,440
BRADFORD	3,501	23,064	1,383	8,727	316,154
BRISTOL	10,037	14,915	846	541	321
BUTLER	.....	42,441	1,133	3,202	1,277,866
CARBONDALE	21,166	788	29	1,175	10
CARLISLE	2,100	4,759	1,776	3,671	1,427
CARNEGIE	.....	11,692	304	.....	24,416
CHAMBERSBURG	1,317	16,295	1,259	3,096	954
CHARLEROI	.....	18,390	280	.....	986,564
CHESTER	32,982	352,000	5,068	33,680	12,995
COLUMBIA	539	23,397	958	1,637	438
CONNELLSVILLE	.....	25,263	1,641	22	14,325
DUBOIS	.....	21,553	980	7	14,244
DUNMORE	16,376	358	632	2,038	64
EASTON	28,988	17,137	225	10,291	215,004
ERIE	4,837	227,342	85,827	17,698	87,332
FRANKLIN	26	30,800	3,226	13,551	50,243
GREATER PUNXSUTAWNEY	7	447,277	32,705	78	5,692
GREENSBURG	560	2,911	.....	1	113,534
HARRISBURG	22,260	228,614	5,149	27,720	9,691
HAZLETON	16,737	1,635	333	2,330	1,733
HOMESTEAD	6	2,679	.....	3	34,401
JOHNSTOWN	765	1,171,676	1,027,574	35,704	1,561,648
LANCASTER	19,482	44,779	5,370	2,612	14,837
LATROBE	60	43,663	482	.....	224,318
LEBANON	4,975	586,321	109,147	4,360	34,196
MCKEESPORT	71	456,563	544,428	1,770	624,856
MCKEES ROCKS	.....	136,201	2,567	22,080	457,267
MAHANOY CITY	9,629	120	.....	453	234
MEADVILLE	132	24,126	1,874	8,121	39,704
MOUNT CARMEL	2,481	1,001	720	524	242
NANTICOKE	4,917	355	.....	7,535	41
NEW CASTLE	638	429,055	577,130	90	77,254
NORRISTOWN	7,438	24,666	2,235	9,326	3,270

Table 28—Continued.

INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 lbs.).	COAL. Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
OIL CITY	.....	12,133	2,725	829	485,030
PHILADELPHIA	1,207,090	2,218,256	240,865	342,642	940,291
PHOENIXVILLE	9,681	159,281	683	3,885	138
PITTSBURGH	18,313	3,755,834	1,384,151	20,679	16,743,335
PITTSTON	14,639	612	308	5,138	957
PLYMOUTH	5,053	63	.....	.....	144
POTTSTOWN	3,040	76,250	243,608	1,336	1,126
POTTSVILLE	110,840	46,573	764	127,522	1,964
READING	131,698	268,489	144,454	52,816	62,718
SCRANTON	129,278	25,773	1,872	47,279	9,106
SHAMOKIN	21,148	221	77	60	103
SHARON	17	85,492	105,130	45,788	1,099,903
SHENANDOAH	10,300	84	.....	324	120
SOUTH BETHLEHEM	280,713	349,557	641,199	43,330	338
SUNBURY	26,189	2,838	58	2,614	14,683
TAMAQUA	9,286	738	100	274	108
TAYLOR	2,501	.....	.....	.....	.....
UNIONTOWN	1,500	11,540	2,203	55	122,918
WARREN	1,102	17,915	543	6,774	1,333,553
WASHINGTON	647	8,752	706	8	1,745,329
WEST CHESTER	3,679	5,872	659	22,032	1,849
WILKES-BARRE	123,086	2,854	2,527	20,392	3,534
WILKINSBURG	.....	8,571	.....	5	7,433
WILLIAMSPORT	8,631	86,300	4,416	321	79,591
YORK	10,502	68,092	5,853	16,959	314,738
ALL OTHER CITIES [1]	47,487	2,746,562	1,578,732	551,445	5,649,357

[1] All other cities embrace: Coatesville, Dickson City, Duquesne, Farrell (formerly South Sharon), Monessen, North Braddock, Old Forge, and Steelton.

SPECIAL STATISTICS.

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

Iron and steel, blast furnaces, and steel works and rolling mills.—The establishments included in the blast-furnace industry are those engaged in the smelting of iron ore, and the steel works and rolling mills which manufacture steel or which roll iron and steel. Steel works and rolling mills is the leading industry of the state, whether measured by value of products, number of wage earners employed, value added by manufacture, or capital invested. Nearly seven-eighths (86.2 per cent) of the pig-iron product of the state is used in the steel works and rolling mills and 86.6 per cent of the pig iron consumed by the steel works and rolling mills in 1914 was produced by the consumer. The state produced, in 1914, 41.9 per cent of the pig-iron of the country and 48.1 per cent of the rolled, forged, and other classified products of the steel works and rolling mills.

The first successful ore-smelting works were established in Berks County in 1716, although in 1692 a small amount of iron had been made in the Pennsylvania colony. In 1728–29 the colony exported 274 tons of pig iron to England. In 1791 there were 16 blast furnaces in the state and by 1849 the number had grown to 298, of which 230 were charcoal furnaces. Since 1849 the manufacture of charcoal iron has declined; in 1914 but 4 small charcoal furnaces were operated.

The manufacture of steel was attempted about 1750, but development was slow, and in 1805 there were only two steel plants in the state with a combined yearly capacity of about 150 tons. In 1809 there were five steel furnaces with an output of 531 tons, the total steel product of the country being 917 tons. In 1812 the first steel plant was erected in Pittsburgh. Bessemer steel was first made in Pennsylvania, at Steelton, in 1867 (though this was the third converter in the United States), and the first steel rails made in this country were rolled at Johnstown, Pa., in the same year. The first rolling mill for the production of bar iron was built at Plumsock, Pa., in 1817, and the first puddling was done at that mill.

Blast furnaces.—The following table shows, for 1914, 1909, and 1904, the quantity and cost of the principal materials used in pig-iron manufacture, the quantity and value of the products, and statistics relating to equipment. The ton of 2,240 pounds is used in showing quantities, except when otherwise stated.

Table 29

	BLAST FURNACES. 1914	1909	1904
MATERIALS.			
Total cost	$115,501,389	$142,074,028	$86,321,875
Iron ore:			
Tons	17,100,710	19,698,996	12,919,590
Cost	$70,371,527	$90,171,795	$54,381,825
Domestic—			
Tons	15,777,624	18,421,398	12,537,891
Cost	$63,044,018	$82,790,018	$51,563,986
Foreign—			
Tons	1,323,086	1,277,598	381,699
Cost	$7,327,509	$7,381,777	$2,817,839
Mill cinder, scrap, etc.:			
Tons	1,283,909	1,123,027	1,161,063
Cost	$4,501,847	$3,332,335	$2,169,422
Flux:			
Tons	5,055,105	5,819,912	3,842,184
Cost	$5,078,963	$5,298,591	$3,356,725
Fuel for smelting, cost	$32,176,007	$39,506,062	$24,822,005
Coke—			
Tons (2,000 pounds)	11,214,838	13,245,622	8,713,116
Cost	$31,963,795	$38,556,786	$22,728,319
Coal—			
Tons	44,821	264,481	[1] 798,774
Cost	$169,366	$900,607	$2,066,461
Charcoal—			
Bushels	499,970	476,790	410,610
Cost	$42,846	$48,669	$27,225
All other materials, cost	$3,373,045	$3,765,245	$1,591,898
PRODUCTS.			
Total value	$135,806,067	$168,578,413	$107,455,267
Pig iron:			
Tons	9,743,855	10,911,676	7,729,278
Value	$134,465,078	$167,588,407	$107,395,757
All other products, value	$1,340,989	$990,006	$59,510

[1] Includes fuel for steam raising.

Table 29—Continued.	BLAST FURNACES.		
	1914	1909	1904
PRODUCTS—continued.			
Pig iron classified according to fuel used:			
Coke—			
Tons	9,618,739	10,259,155	7,729,278
Value	$131,639,925	$156,834,660	$107,395,757
All other—			
Tons	125,116	652,521	
Value	$2,825,153	$10,753,747	
Pig iron classified according to disposition:			
Produced for consumption in works of company producing—			
Tons	7,557,352	7,628,653	5,573,898
Assigned value	$103,078,840	$115,422,575	$77,087,537
Produced for sale—			
Tons	2,186,503	3,283,023	2,155,380
Value	$31,386,238	$52,165,832	$30,308,220
Pig iron classified by grades, tons:			
Bessemer (0.04 to 0.10 per cent in phosphorus)	3,078,581	3,775,728	4,457,613
Low phosphorus (below 0.04 per cent in phosphorus)	224,243	137,521	139,763
Basic	5,053,942	4,815,840	1,827,121
Foundry	782,100	1,542,722	796,740
Forge or mill	362,626	366,808	313,301
Malleable Bessemer	63,236	37,642	12,497
White, mottled, and miscellaneous	9,949	51,916	12,121
Direct castings	4,613	4,563	2,941
Spiegeleisen, ferromanganese, and ferrosilicon, including Bessemer ferrosilicon (7 per cent and over in silicon)	164,565	178,936	167,181
Pig iron classified by method of delivery or casting, tons:			
Delivered in molten condition	5,712,786	5,887,507	3,579,501
Machine cast	2,696,520	2,837,576	2,376,870
Sand cast	1,112,180	1,907,514	1,490,312
Chill cast	217,756	274,516	279,654
Direct castings	4,613	4,563	2,941
EQUIPMENT.			
Furnaces in active establishments:			
Completed stacks at end of year—			
Number	137	145	131
Daily capacity, tons	46,934	41,707	34,200
Active during the year—			
Number	108	143	120
Daily capacity, tons	38,194	41,557	(1)
In course of construction at end of year—			
Number	1	5	11
Daily capacity, tons	500	2,200	1,950
Pig-casting machines, number	.....	56	(1)
Granulated slag pits:			
Number	40	39	15
Number of blast furnaces served	43	(1)	(1)
Gas engines operated with blast-furnace gas:			
Number	40	13	(1)
Horsepower	93,400	32,100	(1)

[1] Figures not available.

The figures for pig iron, classified according to fuel, show that coke pig iron constituted 98.7 per cent of the total in 1914 and 94 per cent in 1909. The remaining 1.3 per cent in 1914 includes pig iron made with anthracite, mixed bituminous coal and coke, and charcoal. Basic pig iron constituted 51.9 per cent of the total production in 1914 and 44.1 per cent in 1909; Bessemer, 31.6 per cent in 1914 and 34.6 per cent in 1909; foundry, 8 per cent in 1914 and 14.1 per cent in 1909; and all other kinds, 8.5 and 7.1 per cent, respectively, for the two years. In 1914, 58.6 per cent, and in 1909, 54 per cent were delivered in a molten condition; 27.7 per cent was machine cast in 1914 and 26 per cent in 1909; 11.4 per cent, sand cast in 1914, and 17.5 per cent in 1909; the remaining 2.3 per cent in 1914 and 2.6 per cent in 1909 were chill cast or cast direct. The decrease in production in 1914 as compared with 1909, a decrease of 10.7 per cent in pig-iron tonnage, was in keeping with the general depression affecting the iron industry, the decrease for the country as a whole being 9.3 per cent. The recovery, setting in at the close of 1914, was rapid and the pig-iron product for the state in 1915, according to the statistical report of the American Iron and Steel Institute, was 12,790,668 tons. The depression for 1914 is further shown in the relatively small number of furnaces active during the year, 108 in 1914, as compared with 143 in 1909 and 120 in 1904. An interesting feature with respect to equipment is the growth of gas engines operated with the waste blast-furnace gases. These engines are large units, averaging over 2,000 horsepower.

Steel works and rolling mills.—The next table gives, for 1914, 1909, and 1904, statistics in regard to materials, products, and equipment for the steel works and rolling mills of the state. The ton of 2,240 pounds is used in showing quantity, except when otherwise stated.

Table 30	STEEL WORKS AND ROLLING MILLS.		
	1914	1909	1904
MATERIALS.			
Total cost	$285,382,084	$329,013,421	$237,875,025
Iron and steel:[1]			
For furnaces and hot rolls—			
Pig iron—			
Pig iron, other than ferro-alloys—			
Tons	8,262,049	9,158,260	6,559,417
Cost	$112,472,123	$139,208,875	$94,997,864
Ferroalloys—spiegeleisen, ferromanganese, etc.—			
Tons	138,132	159,643	
Cost	$8,581,336	$7,926,508	
Scrap—			
Tons	2,595,148	2,669,773	2,871,819
Cost	$31,924,141	$41,572,010	$38,574,391
Ingots, blooms, billets, slabs, muck and scrap bar, rails for rerolling, and sheet and tin-plate bars—			
Tons	2,841,514	3,013,148	2,734,746
Cost	$60,435,107	$68,274,443	$60,353,171
Rolled forms for further manufacture—			
Skelp—			
Tons	164,771	119,365	249,278
Cost	$4,577,872	$3,959,918	$7,005,688
Wire rods—			
Tons	7,838	43,799	27,530
Cost	$199,555	$1,244,260	$800,252
Iron ore:			
Tons	580,818	568,716	423,188
Cost	$2,741,327	$3,169,203	$1,883,959
All other materials, cost	$64,450,623	$63,658,204	$34,259,700
PRODUCTS.			
Total value	$448,106,324	$500,343,995	$363,773,577
Rolled, forged, and other classified iron and steel products:			
Tons	12,288,141	13,167,003	9,825,753
Value	$397,618,602	$442,737,439	$320,466,565
Finished rolled products and forgings.			
Rails—			
Tons	566,125	848,924	812,691
Value	$16,197,964	$24,077,184	$20,204,210
Rerolled or renewed rails—			
Tons	26,444	6,393	(2)
Value	$579,843	$170,476	(2)
Rail fastenings (including splice bars, tie-plates, fishplates, etc.)—			
Tons	108,235	124,049	(2)
Value	$3,872,023	$4,669,802	(2)
Structural shapes (not including plates used for making girders)—			
Tons	1,499,077	1,597,946	824,727
Value	$41,178,413	$49,512,361	$27,449,667

[1] Includes material purchased and that transferred to the establishment reporting from other works of the same company.
[2] Included with all other rolled, forged, etc.

Table 30—Continued.

	STEEL WORKS AND ROLLING MILLS.		
	1914	1909	1904
PRODUCTS—continued.			
Finished rolled products and forgings—Continued.			
Merchant bars, including bars and rods not elsewhere specified—			
Tons	1,415,417	1,749,220	1,166,234
Value	$49,345,938	$56,717,882	$40,425,460
Bars for reenforced concrete—			
Tons	55,693	36,886	
Value	$1,525,540	$1,084,652	
Wire rods—			
Tons	1,104,133	861,261	596,892
Value	$27,959,516	$23,190,920	$16,926,665
Plates and sheets, not elsewhere specified—			
Tons	1,900,427	2,057,176	1,563,154
Value	$61,657,951	$78,938,359	$65,988,409
Black plates (or sheets), for tinning—			
Tons	564,539	308,738	
Value	$23,744,024	$15,400,384	
Skelp, flue, and pipe—			
Tons	860,969	1,087,502	1,259,049
Value	$24,001,966	$34,273,085	$39,576,046
Hoops, bands, and cotton ties—			
Tons	373,658	279,172	
Value	$12,934,152	$8,305,448	
Nail and tack plates—			
Tons	31,318	37,802	41,931
Value	$1,299,420	$1,469,504	$1,156,789
Axles, rolled or forged—			
Tons	61,920	97,333	73,388
Value	$2,515,703	$3,603,095	$2,415,226
Armor plates, gun forgings, and ordnance—			
Tons	36,671	22,558	22,648
Value	$19,090,468	$8,833,335	$9,492,082
All other rolled products:—			
Tons	443,694	464,286	561,721
Value	$24,380,743	$31,220,885	$25,943,230
All forged or other iron and steel products, not otherwise enumerated—			
Tons	326,268	323,916	
Value	$15,329,125	$16,178,228	
Partly finished rolled products for sale or for transfer to other works of same company.			
Blooms, billets and slabs, steel—			
Tons	1,604,583	2,099,296	2,582,848
Value	$33,510,622	$47,413,864	$58,205,781
Rolled blooms and billets for forging purposes—			
Tons	30,528	37,977	
Value	$794,183	$1,128,594	
Sheet and tin-plate bars—			
Tons	928,249	778,260	
Value	$18,811,666	$17,430,702	
Muck and scrap bar—			
Tons	97,742	118,759	111,992
Value	$2,678,512	$3,505,236	$2,791,435
Unrolled steel.			
Ingots—			
Tons	37,053	32,144	94,059
Value	$882,882	$1,525,021	$1,850,146
Direct steel castings—			
Tons	215,398	197,405	114,411
Value	$15,327,948	$14,087,422	$8,041,419
All other products, including scrap and value added to steel or iron rolling-mill products by further manufacture	$50,487,722	$57,606,556	$43,307,012
Steel production, tons.			
Total production	[1] 11,837,503	[1] 12,189,953	7,733,640
Ingots	11,622,105	11,992,548	7,618,833
Castings	215,398	197,405	114,807
Classified according to process:			
Open-hearth	9,741,125	9,281,936	4,230,657
Basic	9,129,227	8,536,726	3,638,986
Acid	611,898	745,210	591,671
Bessemer	2,038,775	2,846,360	3,442,312
Crucible and miscellaneous	57,603	61,657	60,671
EQUIPMENT.			
Steel plants:			
Steel furnaces, and converters, daily capacity, double turn, tons	71,416	55,278	40,672
Open-hearth furnaces—			
Number	480	428	305
Daily capacity, tons of steel, double turn	50,885	38,030	23,115
Basic—			
Number	383	332	205
Daily capacity, tons of steel, double turn	45,689	33,300	17,597

[1] In addition, 13,897 tons of steel casting in 1914 and 16,655 tons in 1909 were produced by establishments engaged primarily in other lines of manufacture.

Table 30—Continued.

	STEEL WORKS AND ROLLING MILLS.		
	1914	1909	1904
EQUIPMENT—continued.			
Steel plants—Continued.			
Steel furnaces and coverings, etc.—Continued.			
Open-hearth furnaces—Con.			
Acid—			
Number	97	96	100
Daily capacity, tons of steel, double turn	5,196	4,730	5,518
Converters, Bessemer, or modified Bessemer—			
Number	30	31	28
Daily capacity, tons of steel, double turn	19,824	16,615	16,909
Crucible furnaces—			
Number	97	91	96
Number of pots that can be used at a heat	2,336	2,268	1,978
Daily capacity, tons of steel, double turn	579	561	585
All other steel furnaces—			
Number	11	14	18
Daily capacity, tons of steel, double turn	128	72	63
Metal mixers—			
Number	30	26	(1)
Capacity, tons	9,085	5,660	(1)

[1] Figures not available.

In the above table the total production, as measured by quantity and value, is given for wire rods, skelp, nail plate, and other rolled products, which are to a greater or less extent consumed in the producing establishment in the manufacture of wire, wrought-welded pipe, nails, and other fabrications; and the enhanced value which they acquired through their manufacture beyond the rolling-mill stage has been included with "all other products."

The statistics necessarily involve considerable duplication on account of the output of crude steel and partially rolled steel by certain establishments and their use as material in other works where they are made into finished rolled forms, thus appearing twice in cost of materials and twice in value of products.

In considering the comparative figures presented in this table it should be borne in mind that 1904 was at the bottom of a depression between two waves of industrial activity which had their crests in 1902 and 1907. Again in 1908 there was a depression, with the rise following reaching its crest in 1910. Hence, 1909 was a year of expansion. A slight depression occurred in 1911, but 1912 and 1913 were banner years. Then came in 1914 the depression due to the beginning of the European war.

During the five-year period 1909–1914 the decrease in certain lines is marked, notably in rails and rail fastenings, merchant bars, skelp, and structural steel; while reenforced concrete bars, wire rods, black plates for tinning, and hoops, bands, and cotton ties, show gains. The statistics for equipment show that a great number of furnaces were idle in 1914. On a basis of 300 working days the output of steel in 1914 was equal to 55.3 per cent of the capacity of the furnaces on double turn, whereas in 1909, an active

year, the corresponding ratio was 73.5 per cent, and in 1904, 63.4 per cent.

Tin plate and terneplate.—Pennsylvania manufactures more than half of the tin plate and terneplate product of the United States, 56.1 per cent in 1914, 52.9 per cent in 1909, and 56.9 per cent in 1904. Practically all of the concerns engaged in the industry roll their black plates, and the plate rolling and dipping is all done in one plant, although the two departments fall under different industry classifications.

In the following table are given, for 1914, 1909, and 1904, the quantity and cost of the materials used and the quantity and value of the products:

Table 31	TIN PLATE AND TERNEPLATE.		
	1914	1909	1904
MATERIALS.			
Total cost	$31,933,881	$22,898,352	$17,590,077
Black plates or sheets:			
Pounds	1,180,120,546	705,748,494	566,744,792
Cost	$22,225,047	$15,801,297	$12,934,377
Pig tin:			
Pounds	21,428,916	16,858,292	
Cost	$8,291,664	$5,032,023	
Pig lead:			
Pounds	24,301	1,421,219	16,809,196
Cost	$1,069	$62,338	$3,933,091
Terne mixture, purchased:			
Pounds	553,023	1,989,694	
Cost	$60,045	$210,814	
All other materials, cost	$1,356,056	$1,791,880	$722,609
PRODUCTS.			
Total value	$36,795,990	$25,234,066	$19,341,961
Tin plate and terne plate:			
Pounds	1,152,867,757	695,377,287	583,599,140
Value	$35,567,823	$23,750,750	$18,928,397
Tin plate—			
Pounds	1,145,846,518	648,502,133	524,905,922
Value	$35,253,572	$21,687,492	$16,547,120
Terneplate—			
Pounds	7,021,239	46,875,154	58,693,218
Value	$314,251	$2,063,258	$2,381,277
All other products, value	$1,228,167	$1,483,316	$413,564

The mills of the state consumed in 1914 a little over 22,000,000 pounds of coating metal, consisting approximately of 21,550,000 pounds of tin and 450,000 pounds of lead. In the way of equipment the plants reported 314 tin and terne sets, with a daily capacity on single turn of 1,882,408 pounds.

Of the 13 establishments in the state 9 were operated on triple turn, 2 on double, and 2 on single turn, and the daily capacity of the plants as operated was nearly 5,500,000 pounds.

Textiles.—The relative importance of the different textile industries in Pennsylvania, as measured by value of products, is shown in Table 32, which presents the total value of these products at the last three censuses.

The progress of the textile industries in the state is reflected to a large extent by the increases or decreases in the number of spindles, looms, knitting machines, and other equipment. Table 33 shows the number of the principal kinds of machines used in the combined textile industries and also in each of the five main branches of textile manufacture for 1914, 1909, and 1904.

Table 32	1914	1909	1904
Total value	$289,096,560	$265,789,461	$192,010,110
Wool manufactures	87,508,323	102,326,228	83,054,561
Woolen, worsted, and felt goods, and wool hats	64,408,676	77,446,996	55,934,250
Carpets and rugs, other than rag	23,099,647	24,879,232	27,120,311
Silk manufactures	86,938,554	62,061,302	39,333,520
Hosiery and knit goods	64,153,449	49,657,506	30,812,211
Cotton manufactures	32,400,446	33,917,033	26,299,853
Hats, fur-felt	11,040,820	13,022,617	7,350,311
Cordage and twine and jute and linen goods	7,054,968	4,804,775	5,159,654

Table 33 MACHINE.	Census year.	Total.	Woolen, worsted, and felt goods, and wool hats.	Silk and silk goods, including throwing.	Hosiery and knit goods.	Cotton goods, including cotton small wares.	Carpets and rugs, other than rag.
Producing spindles.	1914	2,218,569	579,654	1,350,079	22,476	243,738	22,622
	1909	1,971,907	642,430	1,017,992	33,648	252,671	25,166
	1904	1,707,116	590,916	785,113	25,122	266,347	39,618
Looms	1914	59,973	10,942	33,694	.....	10,583	[1] 4,754
	1909	57,763	11,420	26,249	.....	14,129	[1] 5,965
	1904	49,998	9,848	19,336	.....	14,083	[1] 6,731
Knitting machines	1914	51,422	.....	.....	51,422	.....	.....
	1909	44,960	.....	.....	44,960	.....	.....
	1904	33,816	.....	.....	33,816	.....	.....
Woolen cards (sets)	1914	855	769	.....	34	.....	52
	1909	947	840	.....	35	.....	72
	1904	971	856	.....	39	.....	76
Wool-combing machines.	1914	320	309	.....	.....	.....	11
	1909	354	342	.....	.....	.....	12
	1904	377	349	.....	.....	.....	28

[1] Figures include woolen, worsted, and cotton looms, as follows: In 1914, 447; 1909, 328; 1904, 904.

The total number of producing spindles increased from 1,707,116 in 1904 to 2,218,569 in 1914, or 30 per cent. This increase was due entirely to the silk mills, which show a gain of 564,966, or 72 per cent, while all of the other classes of textile mills show an actual decrease during the decade. In addition to the spindles shown in the table, there were 16,964 in active use during 1914 in establishments manufacturing cordage and twine and jute goods. In this connection, attention is called to the fact that the spindle capacity of the cotton and knitting mills in Pennsylvania is small in comparison with the production of such mills, because in this state many establishments are engaged principally in the final processes of manufacture. To such an extent is this the fact that the state furnishes the largest market in this country for the sale of cotton yarn. The converse is true of silk mills, Pennsylvania reporting 32.1 per cent of the total quantity of tram and organzine produced for sale in the United States.

The increase in the total number of looms during the decade was 9,975, or 20 per cent. The increase in the number of silk looms alone, however, was much larger, being 14,358, or 74.3 per cent. The number of looms in woolen, worsted, and felt mills increased 1,094. This increase was confined to looms on worsted and felt goods, as the number on woolen goods decreased. The number of looms employed in the manufacture of

carpets and rugs and of cotton goods shows a decrease during the decade. The increase in the number of knitting machines, from 33,816 in 1904 to 51,422 in 1914, or 52.1 per cent, corresponds with the increase in the production of hosiery and knit goods. The number of woolen cards decreased from 971 in 1904 to 855 in 1914, or 11.9 per cent, while the number of combing machines decreased from 377 in 1904 to 320 in 1914, or 15.1 per cent.

Wool manufactures.—The woolen industry in Pennsylvania was established by the English settlers in Philadelphia soon after the founding of the colony. It was characterized for many years by the number of small independent factories, and the prevalence of hand-loom weaving. The state, and especially that part embraced by the present limits of the city of Philadelphia, has always ranked high in this industry. In the manufacture of carpets and rugs, Pennsylvania has likewise held an important position among the states. As early as 1791, there was a factory in Philadelphia engaged in the manufacture of Turkey and Axminster carpets. At the census of 1849 Massachusetts led in the industry, but at each census from 1859 to 1904, inclusive, Pennsylvania ranked first in value of products. New York led in 1909 and still holds first place, but its production in 1914 was only slightly greater in value than that reported for Pennsylvania.

The carpet and rug industry in Pennsylvania is confined almost entirely to the city of Philadelphia, which leads all other cities in the United States in the manufacture of ingrains. Pennsylvania ranks first among the states in the manufacture of wool-felt hats; second in the production of woolen goods; third in the output of worsted goods; and tenth in the manufacture of felt goods.

Table 34 shows in detail, for 1914, 1909, and 1904, the quantity and cost of materials used in wool manufactures and the quantity and value of the principal products.

Table 34	1914	1909	1904
MATERIALS.			
Total cost	$58,947,198	$69,282,383	$53,953,186
Wool in condition purchased:			
Pounds	84,879,429	107,044,311	99,306,459
Cost	$20,071,113	$28,309,853	$22,589,076
Domestic—			
Pounds	45,811,154	56,781,645	52,605,952
Cost	$10,957,850	$15,674,908	$12,686,241
Foreign—			
Pounds	39,068,275	50,262,666	46,700,507
Cost	$9,113,263	$12,634,945	$9,877,887
Equivalent in scoured condition, pounds	54,326,916	69,864,549	60,609,266
Animal hair and fur:			
Pounds	17,128,417	20,571,702	30,582,588
Cost	$1,583,514	$1,032,196	$1,807,059
Rags, tailors' clippings, etc.:			
Pounds	9,924,264	8,288,323	15,151,411
Cost	$516,688	$258,722	$627,312
Recovered wool fiber:			
Pounds	6,780,133	5,419,245	7,346,250
Cost	$706,934	$550,473	$904,165
MATERIALS—continued.			
Waste and noils:			
Pounds	8,930,422	5,858,435	4,384,062
Cost	$1,669,422	$1,463,775	$671,882
Tops:			
Pounds	4,029,376	2,445,813	1,273,118
Cost	$2,288,774	$1,530,899	$595,512
Cotton:			
Pounds	7,285,788	5,017,601	5,659,285
Cost	$626,466	$536,262	$625,052
Yarns purchased:			
Woolen—			
Pounds	17,118,410	22,463,957	27,380,884
Cost	$4,900,066	$4,412,546	$5,732,135
Worsted—			
Pounds	14,004,345	18,088,331	12,897,864
Cost	$10,679,197	$14,461,212	$7,958,394
Merino—			
Pounds	352,555	2,242,312	2,815,943
Cost	$106,543	$309,803	$506,860
Cotton—			
Pounds	18,816,137	26,354,704	24,488,354
Cost	$3,849,490	$5,476,389	$4,451,736
Silk and spun silk—			
Pounds	356,266	246,038	126,132
Cost	$1,001,309	$596,860	$450,895
Linen—			
Pounds	1,430,459	1,483,096	1,232,933
Cost	$280,865	$285,481	$220,776
Jute, ramie, and other vegetable fiber—			
Pounds	18,244,249	17,645,163	18,325,514
Cost	$1,787,029	$1,234,142	$1,337,999
Chemicals and dyestuffs, cost	$1,174,953	$1,729,376	$1,404,644
Fuel and rent of power, cost	$1,002,212	$1,065,431	$905,355
All other materials, cost	$6,702,623	$6,028,063	$3,164,334
PRODUCTS.			
Total value	$87,508,317	$102,326,228	$83,054,561
All-wool woven goods:			
Square yards	28,987,670	33,149,873	26,622,510
Value	$20,577,655	$22,653,317	$16,102,796
Woolen suitings, overcoatings, and dress goods—			
Square yards	3,828,370	2,656,590	4,375,160
Value	$2,452,485	$1,838,024	$3,041,854
Worsted suitings, overcoatings, and dress goods—			
Square yards	22,626,800	27,684,839	19,526,954
Value	$16,131,143	$18,939,947	$11,958,229
Flannels for underwear—			
Square yards	393,964	796,997	436,723
Value	$179,462	$430,876	$120,696
Blankets—			
Square yards	2,134,723	1,424,062	1,395,707
Value	$1,812,465	$1,153,048	$566,609
All other—			
Square yards	3,813	588,285	887,966
Value	$2,100	$291,422	$415,408
Cotton-mixed goods:			
Square yards	9,883,044	5,104,428	14,026,477
Value	$3,321,235	$2,070,669	$5,797,114
Cotton-mixed suitings, overcoatings, and dress goods—			
Square yards	6,882,987	4,448,851	12,853,980
Value	$2,383,088	$1,794,043	$5,449,396
All other—			
Square yards	3,000,057	655,577	1,172,497
Value	$938,147	$276,626	$347,718
Cotton-warp goods:			
Square yards	16,459,483	30,735,963	19,452,881
Value	$4,945,396	$10,570,357	$4,958,927
Wool-filling suitings, overcoatings, and dress goods—			
Square yards	4,792,627	13,368,893	4,974,537
Value	$1,327,813	$4,025,157	$1,505,194
Worsted-filling suitings, overcoatings, and dress goods—			
Square yards	8,816,213	11,103,856	8,963,067
Value	$3,028,015	$5,243,290	$2,754,821
Blankets—			
Square yards	930,128	3,398,778	2,993,200
Value	$240,660	$633,948	$359,682
All other—			
Square yards	1,920,515	2,864,436	2,522,077
Value	$348,908	$667,962	$339,230
Carpets and rugs:			
Square yards	24,103,422	36,222,080	45,763,852
Value	$19,472,933	$21,570,318	$23,650,927
Carpets—			
Square yards	17,206,541	26,305,322	36,953,509
Value	$14,831,549	$15,373,145	$18,289,962
Rugs—			
Square yards	6,896,881	9,916,758	8,810,343
Value	$4,641,384	$6,197,173	$5,360,965
Felt cloths, endless belts, hair felting, and other felts	$555,732	$611,688	$367,198
Hats, wool-felt:			
Dozens	184,620	303,398	158,585
Value	$765,208	$1,431,342	$647,064

Table 34—Continued.	1914	1909	1904
PRODUCTS—continued.			
Partly manufactured products for sale:			
Woolen yarn—			
Pounds	21,784,704	25,664,665	37,657,138
Value	$6,924,691	$6,021,540	$7,280,744
Worsted yarn—			
Pounds	24,176,877	28,896,142	24,865,803
Value	$18,664,351	$24,098,942	$17,100,670
Merino yarn—			
Pounds	5,343,128	11,710,956	5,830,035
Value	$1,815,586	$4,180,974	$1,359,378
Worsted tops and slubbing—			
Pounds	2,460,859	2,252,927	550,525
Value	$1,498,176	$1,401,562	$330,798
Noils—			
Pounds	3,840,996	6,006,239	3,994,229
Value	$1,102,157	$1,895,601	$1,206,447
Waste—			
Pounds	3,683,664	5,260,513	4,759,554
Value	$430,303	$592,524	$329,565
Amount received for contract work, value	$623,235	$800,935	$366,858
All other products, value	$6,811,659	$4,426,459	$3,556,075

The number of establishments engaged in the manufacture of woolen, worsted, and felt goods, wool hats, and carpets and rugs in 1914 was 44 less than in 1909. The table shows a corresponding decrease in the cost of materials used and in the value of the products manufactured, 14.9 per cent and 14.5 per cent, respectively. The amount expended for wool in 1914 was $20,071,113, as compared with $28,309,853 in 1909, a decrease of 29.1 per cent; yarns, which formed a large proportion of the materials used, also decreased, while all the other classes increased in cost and all, except animal hair and fur, increased in quantity. All the completed products show decreases in value for 1914 as compared with 1909, except cotton-mixed goods, which increased 60.4 per cent in value, though constituting less than 4 per cent of the total value reported for 1914. The carpet and rug industry shows a considerable decrease not only for the period 1909–1914 but for the preceding five-year period. Pennsylvania manufactured 36.3 per cent of the total production (as measured in square yards) of the carpet and rug industry in the United States in 1914, as compared with 44.6 per cent in 1909 and 55.4 per cent in 1904. More than one-third of the total value of products in 1914 consisted of partly manufactured products for sale. This class decreased 23.2 per cent in quantity and 20.3 per cent in value during the period 1909–1914.

Silk manufactures.—The silk industry was established in Pennsylvania in 1793. The products manufactured were fringes, coach laces, and tassels. For many years the output was limited to these goods and to ribbons and various trimmings. In recent years, however, the manufacture of broad silks has developed rapidly and the throwing of silk on contract for establishments engaged in weaving has expanded into an important phase of the industry. Where throwing is done on commission, the value of products represents only the amount received for work done. In 1904 and 1909 Pennsylvania ranked second in the value of silk manufactures, but in 1914 advanced to first place.

The following table shows the quantity and cost of materials used and the quantity and value of products manufactured in 1914, 1909, and 1904:

Table 35	1914	1909	1904
MATERIALS.			
Total cost	$48,795,481	$35,165,571	$24,267,122
Silk:			
Raw—			
Pounds	8,073,266	5,532,973	3,970,044
Cost	$31,573,509	$21.206,972	$15,419,221
Spun—			
Pounds	723,176	695,067	454,074
Cost	$1,845,513	$1,566,914	$876,485
Artificial—			
Pounds	176,682	127,486	127,192
Cost	$334,022	$273,646	$394,126
Organzine and tram—			
Pounds	1,760,594	1,719,952	1,202,805
Cost	$7,934,419	$7,531,045	$5,390,466
Yarns, other than silk:			
Cotton—			
Pounds	3,590,419	2,869,000	2,591,135
Cost	$1,328,708	$1,077,157	$665,915
Mercerized cotton—			
Pounds	336,904	309,063	227,944
Cost	$217,198	$224,029	$168,025
Wool—			
Pounds	454,307	83,075	48,870
Cost	$569,877	$98,340	$47,969
Other—			
Pounds	59,485	186,170	53,453
Cost	$72,016	$157,214	$74,292
Fuel and rent of power, cost	$806,816	$495,850	$317,231
All other materials, cost	$4,113,403	$2,534,404	$913,392
PRODUCTS.			
Total value	$86,938,554	$62,061,302	$39,333,520
Broad silks:			
Square yards	90,727,907	65,569,386	43,552,924
Value	$57,451,134	$35,772,192	$20,822,530
Yarn-dyed—			
All-silk—			
Square yards	37,732,128	37,024,558	26,299,013
Value	$24,775,007	$22,952,668	$15,496,120
Silk-mixed—			
Square yards	8,440,097	8,384,776	1,467,251
Value	$4,782,509	$4,538,654	$898,615
Piece-dyed and printed:			
All-silk—			
Square yards	26,320,088	4,576,128	7,325,103
Value	$18,058,376	$2,920,664	$2,709,666
Silk-mixed—			
Square yards	18,235,594	15,583,924	8,461,557
Value	$9,835,242	$5,360,206	$1,718,129
Organzine and tram, for sale:			
Pounds	1,306,686	1,642,004	1,396,424
Value	$5,163,732	$7,475,327	$6,124,717
Machine twist, sewing, embroidery, and wash silks, and fringe and floss:			
Pounds	190,497	174,468	183,776
Value	$801,538	$824,643	$837,466
Ribbons, value	$13,667,159	$10,008,146	$5,573,799
Laces, embroideries, fringes, and braids, value	$610,439	$780,047	$773,847
Trimmings, value	$396,479	$1,498,148	$1,326,307
All other products, value	$3,639,751	$1,285,821	$1,880,535
Amount received for contract work	$5,208,322	$4,416,978	$1,994,319
Silk thrown on commission, total pounds	9,754,295	7,733,016	4,116,299
Into organzine, pounds	5,201,159	4,150,688	2,288,174
Into tram, pounds	4,553,136	3,582,328	1,828,125

The cost of raw silk purchased greatly exceeded that of any other material used during each census year, and shows a gain of $16,154,288, or 104.8 per cent, during the decade. Among the materials, other than silk, cotton yarn shows a steady increase, while mercerized yarns increased in quantity but decreased in cost for the five-year period 1909–1914. Wool yarn shows a very rapid increase, the quantity used in 1914 being nearly ten times the amount reported in 1904.

The total value of products more than doubled during the ten-year period. Broad silks, of which yarn-dyed silks formed the larger part, increased in quantity from 65,569,386 yards in 1909 to 90,727,907 yards in 1914, or 38.4 per cent. Of the piece-dyed and printed goods those designated as all-silk show an increase of nearly 500 per cent since 1909, the increase of broad silks being made up almost wholly of this item. The value of ribbons manufactured more than doubled during the decade. In 1914, 9,754,295 pounds of silk were thrown on commission, representing 70.3 per cent of the total quantity of silk thrown on contract in the United States, as compared with 60.6 per cent in 1909. Of this amount, 5,201,159 pounds were thrown into organzine and 4,553,136 pounds into tram. The throwing establishments are located largely in the mining districts where women are available for factory work. Of the 44,755 wage earners employed in the silk mills of the state, 57.9 per cent were females.

Hosiery and knit goods.—The manufacture of hosiery was introduced into the United States about 1698 at Germantown, now a part of the city of Philadelphia, which continues to be the center of this branch of the textile industry in America.

The following table shows for the industry the quantity and cost of materials used and the quantity and value of products manufactured, for 1914, 1909, and 1904:

Table 36	1914	1909	1904
MATERIALS.			
Total cost	$37,756,301	$27,217,951	$16,037,698
Cotton:			
Pounds	1,402,448	2,506,120	1,874,685
Cost	$176,625	$302,702	$226,907
Wool (in condition purchased):			
Pounds	582,590	467,877	1,168,283
Cost	$169,404	$205,403	$432,669
Equivalent in scoured condition, pounds	335,941	435,848	1,056,052
Wool waste and noils:			
Pounds	636,390	546,497	602,233
Cost	$177,063	$268,337	$196,899
Raw silk:			
Pounds	400,226	(1)	(1)
Cost	$1,633,088		
Yarns purchased:			
Cotton—			
Pounds	[2] 59,709,074	59,035,958	46,895,164
Cost	$18,044,864	$16,283,401	$10,305,172
Woolen—			
Pounds	611,845	618,809	661,645
Cost	$389,936	$399,134	$360,533
Worsted—			
Pounds	2,114,360	1,684,786	1,584,717
Cost	$1,690,928	$1,616,975	$1,350,076
Merino—			
Pounds	339,279	389,296	178,619
Cost	$202,024	$202,453	$104,827
Silk and spun silk—			
Pounds	877,180	250,467	73,606
Cost	$3,332,641	$978,071	$204,872
Artificial silk—			
Pounds	829,309	(1)	(1)
Cost	$1,526,980		
Linen, jute, and other vegetable fiber—			
Pounds	22,743	15,975	6,827
Cost	$13,931	$17,507	$6,259
Chemicals and dyestuffs, cost	$530,187	$804,026	$431,492
Fuel and rent of power, cost	$443,057	$421,700	$284,194
All other materials, cost	$9,425,573	$5,718,242	$2,133,798

[1] Not reported separately.
[2] Includes 6,249,291 pounds of mercerized cotton, worth $3,881,545, not reported separately at previous censuses.

Table 36—Continued.	1914	1909	1904
PRODUCTS.			
Total value	$64,153,449	$49,657,506	$30,812,211
Hose and half hose:			
Total dozen pairs	29,855,896	27,832,601	20,327,710
Total value	$40,442,927	$30,847,344	$19,182,697
Cotton—			
Dozen pairs	23,383,766	27,139,582	19,707,227
Value	$23,209,500	$28,697,548	$17,794,113
Hose—			
Dozen pairs	11,719,660	13,876,893	11,769,534
Value	$13,258,784	$16,058,169	$11,317,802
Half hose—			
Dozen pairs	11,664,106	13,262,689	7,937,693
Value	$9,950,716	$12,639,379	$6,476,311
Woolen or worsted and merino—			
Dozen pairs	414,230	547,522	599,443
Value	$709,233	$959,391	$1,106,325
Hose—			
Dozen pairs	398,535	295,023	354,240
Value	$672,840	$501,105	$648,933
Half hose—			
Dozen pairs	15,695	252,499	245,203
Value	$36,393	$458,286	$457,392
Silk [1]—			
Dozen pairs	6,057,900	145,497	21,035
Value	$16,524,194	$1,190,405	$282,259
Shirts and drawers:			
Cotton—			
Dozens	6,340,164	6,552,364	3,852,513
Value	$8,008,691	$8,833,761	$4,956,879
Merino—			
Dozens	163,755	161,883	150,519
Value	$926,930	$921,319	$710,547
All other—			
Dozens	20,212	7,322	26,459
Value	$218,592	$59,974	$279,142
Combination suits:			
Cotton—			
Dozens	1,388,936	412,567	271,069
Value	$3,918,534	$1,155,327	$657,824
Merino—			
Dozens	18,057	23,268	9,858
Value	$136,050	$234,855	$76,211
All other—			
Dozens	8,590	440	(2)
Value	$60,638	$4,100	
Bathing suits:			
Dozens	117,044	(3)	(3)
Value	$698,116		
Gloves and mittens:			
Dozen pairs	310,939	284,931	152,714
Value	$1,428,663	$1,037,894	$442,552
Hoods, scarfs, etc.:			
Dozens	31,786	138,427	70,460
Value	$108,416	$581,208	$202,450
Cardigan jackets, sweaters, etc.:			
Dozens	304,550	221,700	145,503
Value	$3,765,825	$2,986,061	$1,858,182
Jersey cloth and stockinette:			
Square yards	1,223,689	177,766	(3)
Value	$912,766	$135,792	
All other products, value	$3,527,301	$2,859,871	$2,445,727

[1] Includes 4,066,978 dozen pairs silk-mixed hose and half hose, not reported separately at previous censuses.
[2] Included in "all other products."
[3] Not reported separately.

The amount expended for materials used in the manufacture of hosiery and knit goods in 1914 was more than double the cost a decade earlier. The increase was in large part due to the expansion of the silk hosiery branch of the industry during the last five-year period. The quantity of silk yarns (including artificial silk) used in 1914 was 1,456,022 pounds in excess of the quantity used in 1909, or 581.3 per cent, and the cost, $3,881,550, or 396.9 per cent, greater. Decreases are shown in the cost of all other materials, except cotton and worsted yarns, the former increasing 10.8 per cent in cost and the latter 4.6 per cent.

The total value of products shows an increase of $33,341,238, or 108.2 per cent, during the decade 1904–1914. Nearly two-thirds of the total in 1914 represents the value of hosiery, 57.4 per cent of which was for cotton hose, 40.9 per cent for silk hose, and 1.8 per cent for woolen or worsted and merino hose. The output of hosiery in which silk was the chief

material increased from 145,497 dozen pairs in 1909 to 6,057,900 dozen pairs in 1914, while a decrease of 133,292 dozen pairs was shown in the quantity of woolen, worsted, and merino hose. In the production of underwear, that made of cotton forms by far the greater proportion. The output of shirts and drawers decreased slightly from 1909 to 1914, but there was a large increase in the production of cotton combination suits. The quantity of Jersey cloth and stockinette manufactured in 1914 was almost seven times as great as in 1909. Gloves and mittens and cardigan jackets, sweaters, etc., show substantial gains in both quantity and value, while hoods, scarfs, etc., show a pronounced decrease.

Cotton goods, including cotton small wares.—The following table shows the quantity and cost of the principal materials used and the quantity and value of the leading products for 1914, 1909, and 1904:

Table 37	1914	1909	1904
MATERIALS.			
Total cost	$17,563,528	$18,757,025	$14,321,577
Cotton:			
Domestic—			
Pounds	19,727,080	23,607,952	24,810,154
Cost	$2,326,431	$2,540,885	$2,743,506
Foreign—			
Pounds	845,061	2,080,645	1,063,566
Cost	$156,021	$336,765	$175,574
Cotton yarn, purchased:			
Pounds	40,724,610	46,787,905	41,262,481
Cost	$10,814,194	$10,852,298	$8,786,109
Silk and spun silk yarn, purchased:			
Pounds	83,439	144,128	143,471
Cost	$263,794	$469,370	$420,457
Other yarns, purchased:			
Pounds	840,559	1,709,440	1,032,762
Cost	$960,208	$965,106	$359,136
Cotton waste, purchased:			
Pounds	2,504,161	1,310,239	2,140,344
Cost	$112,625	$80,421	$122,785
Starch, cost	$71,488	$52,359	$60,072
Chemicals and dyestuffs, cost	$538,596	$480,367	$417,171
Fuel and rent of power, cost	$431,262	$450,989	$375,112
All other materials, cost	$1,888,909	$2,528,465	$861,655
PRODUCTS.			
Total value	$32,400,446	$33,917,033	$26,299,853
Velvets, corduroys, plushes, etc.:			
Square yards	4,793,205	3,038,945	2,944,944
Value	$2,434,588	$1,515,405	$1,182,671
Tapestries, (piece goods, curtains, etc.):			
Square yards	8,106,698	8,783,867	8,691,354
Value	$4,803,688	$4,163,683	$4,070,948
Toweling and Terry weaves:			
Square yards	9,989,645	10,501,557	5,408,582
Value	$2,759,147	$1,749,813	$1,100,601
All other woven goods:			
Square yards	43,313,228	71,510,247	63,486,373
Value	$6,237,869	$10,690,252	$8,400,029
Yarns, for sale:			
Pounds	9,476,991	11,448,343	14,303,093
Value	$2,075,228	$2,591,458	$2,812,445
Cotton waste, for sale:			
Pounds	2,613,542	3,038,771	2,277,242
Value	$97,915	$96,340	$79,970
All other products, value	$13,992,011	$13,110,082	$8,653,189

The total cost of material used in cotton manufactures increased 22.6 per cent during the decade 1904–1914, but decreased 6.4 per cent from 1909 to 1914.

The decline in recent years in the spinning of cotton has been accompanied by an increased dependence upon yarns manufactured elsewhere. A smaller quantity of cotton yarn was purchased in 1914 than in 1909, but the amount expended for it represented 61.6 per cent of the cost of all materials used in 1914 as against 57.9 per cent in 1909.

There was a decrease of 4.5 per cent in the value of cotton manufactures during the period 1909–1914. This decrease is due chiefly to a decline in the manufacture of plain and fancy goods made for wearing apparel, included under "all other woven goods." The value of every other product shown separately in the table, except yarn for sale, increased during both five-year periods.

Fur-felt hats.—Table 38 shows the quantity and cost of materials used and the quantity and value of fur-felt hats manufactured in 1914, 1909, and 1904.

Table 38	1914	1909	1904
MATERIALS.			
Total cost	$3,888,530	$5,012,770	$2,728,895
Hatter's fur:			
Pounds	1,459,412	1,976,118	1,227,951
Cost	$2,519,557	$2,420,635	$1,307,816
Fur-felt hat bodies and hats in the rough:			
Dozens	11,987	26,984	23,512
Cost	$75,071	$175,642	$156,420
Chemicals and dyestuffs, cost	$73,676	$164,843	$72,931
All other materials, cost	$1,220,226	$2,251,650	$1,191,728
PRODUCTS.			
Total value	$11,040,820	$13,022,617	$7,350,311
Fur-felt hats:			
Dozens	472,498	668,696	413,506
Value	$11,013,629	$12,943,334	$7,270,067
All other products, value	$27,191	$79,283	$80,244

Pennsylvania held first place in 1914 among the states in the value of fur-felt hats, but Connecticut reported the greatest number of hats manufactured. The city of Philadelphia reported 89.8 per cent of the total value of products for the state, as compared with 79.9 per cent in 1909.

Leather, tanned, curried, and finished.—Table 39 gives the quantity and cost of the principal materials used and the quantity and value of the various products of the industry in 1914, 1909, and 1904.

While the table shows a decrease of 3.7 per cent from 1904 to 1909 in the total number of hides and skins treated and 8.3 per cent from 1909 to 1914, a marked increase is shown in their cost, 7.6 per cent and 18.2 per cent, respectively. The total value of products increased 9.4 per cent during the period 1909–1914, but the gain was chiefly in sole leather, the value of which increased from $39,904,180 in 1909 to $50,485,259 in 1914, a gain of 29 per cent. Sheep and lamb skins and all other products show a slight increase, while calf and kip and goat and kid skins and the amount received for work done on materials for others show considerable decreases between 1909–1914.

Table 39	1914	1909	1904
MATERIALS.			
Total cost	$68,308,720	$59,113,124	$55,411,927
Cattle hides:			
Number	4,657,229	5,449,826	5,447,947
Cost	$38,573,094	$30,118,025	$26,416,581
Skins:			
Calf and kip—			
Number	129,931	142,464	292,500
Cost	$170,810	$212,316	$501,930
Goat and kid—			
Number	20,019,153	23,117,712	24,220,530
Cost	$11,906,728	$12,909,125	$13,646,179
Sheep and lamb—			
Number	3,756,551	2,445,024	2,402,204
Cost	$1,846,752	$1,160,130	$715,166
All other raw stock, cost	$1,819,427	$208,685	$1,849,392
Fuel and rent of power, cost	$872,925	$726,432	$523,885
All other materials, cost	$13,118,984	$13,778,411	$11,758,794
PRODUCTS.			
Total value	$85,252,532	$77,926,321	$69,427,852
Leather	$81,715,235	$73,255,418	$66,292,074
Sole—			
Hemlock—			
Sides	3,524,274	4,752,308	5,672,327
Value	$17,454,913	$17,194,852	$17,829,564
Oak and chrome—			
Sides	1,006,237	779,242	331,766
Value	$7,328,589	$4,735,428	$1,867,731
Union—			
Sides	3,945,085	3,675,802	3,472,046
Value	$25,701,757	$17,973,900	$13,856,381
Skins—			
Calf and kip—			
Number	103,282	145,139	243,956
Value	$200,051	$334,602	$621,863
Goat and kid—			
Number	20,004,764	23,822,008	22,909,407
Value	$17,027,618	$19,975,045	$19,156,181
Sheep and lamb—			
Number	2,078,243	1,772,091	1,090,180
Value	$1,492,665	$1,267,974	$567,879
Harness—			
Sides	189,294	257,044	518,178
Value	$1,603,774	$1,960,659	$2,989,450
Upholstery (auto, furniture, and carriage), value	$562,875	$591,980	$307,278
All other, value	$10,342,993	$9,220,978	$9,095,747
All other products, value	$1,693,154	$1,412,742	$1,166,686
Work on materials for others, value	$1,844,143	$3,258,161	$1,969,092

Printing and publishing.—The following table shows the number and aggregate circulation per issue of the different classes of newspapers and periodicals for 1914, 1909, and 1904:

Table 40 PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1914	1909	1904	1914	1909	1904
Total	1,498	1,520	1,474	21,530,742	19,674,336	17,867,795
Daily	224	223	220	2,952,135	2,924,306	2,520,587
Sunday	39	27	27	1,760,504	1,481,282	1,299,160
Semiweekly and tri-weekly	46	52	52	337,806	243,089	467,339
Weekly	788	847	887	6,146,332	5,319,021	5,282,691
Monthly	264	253	212	6,046,975	6,107,571	4,385,686
Quarterly	113	97	60	3,838,673	3,516,933	3,758,107
All other classes	24	21	16	448,317	82,134	154,225

The total number of publications decreased from 1,520 in 1909 to 1,498 in 1914, but increased by 24 during the decade. The aggregate circulation per issue increased 1,856,406, or 9.4 per cent, from 1909 to 1914. Weeklies show a larger increase in circulation than any other class of publications. The only decrease in circulation among the various classes was in monthlies.

Table 41 shows, for 1914 and 1909, the number and circulation of foreign publications, by periods of issue, compared with those printed in English. Publications partly in English and partly in a foreign language are included in the foreign.

Table 41 PERIOD OF ISSUE.	Census year.	TOTAL.		IN ENGLISH.		IN FOREIGN LANGUAGES.[1]	
		Number.	Aggregate circulation per issue.	Number.	Aggregate circulation per issue.	Number.	Aggregate circulation per issue.
Total	1914	1,498	21,530,742	1,372	20,500,041	126	1,030,701
	1909	1,520	19,674,336	1,424	19,265,581	96	408,755
Daily	1914	224	2,952,135	213	2,800,390	11	151,745
	1909	223	2,924,306	215	2,848,657	8	75,649
Sunday	1914	39	1,760,504	32	1,670,974	7	89,530
	1909	27	1,481,282	22	1,424,350	5	56,932
Weekly	1914	788	6,146,332	709	5,777,470	79	368,862
	1909	847	5,319,021	778	5,132,782	69	186,239
Monthly	1914	264	6,046,975	248	5,970,263	16	76,712
	1909	253	6,107,571	244	6,050,536	9	57,035
All other classes[2]	1914	183	4,624,796	170	4,280,944	13	343,852
	1909	170	3,842,156	165	3,809,256	5	32,900

[1] Includes those printed in English and a foreign language.
[2] Include in 1914, 109 quarterlies in English and 4 in foreign languages; in 1909, 94 quarterlies in English and 3 in foreign languages.

There was an increase of 30 during the five years 1909–1914 in the number of publications printed in foreign languages, as compared with a decrease of 52 in those published in English. The increase in circulation of foreign publications was even more pronounced, 152.2 per cent for foreign, as compared with 6.4 per cent for English publications. German was the predominating language in all classes of foreign publications. Of the 11 dailies printed in foreign languages, 5 were published in German, 2 each in Italian and Slovak, and 1 each in Ruthenian and Yiddish. The 79 weeklies were made up of 22 published in German, 32 in Letto-Slavic languages, 12 in Italian, 5 in Hungarian, 2 each in Swedish, and English and German, and 1 each in French, Yiddish, English and Dutch, and English and Italian. Of the 16 foreign monthlies, 6 were published in German, 2 in Letto-Slavic languages, 2 in English and German, and 1 each in French, Hungarian, Italian, Spanish, English and Italian, and English and Spanish. Of the quarterlies, 109 were printed in English and 4 in the German language. There were published also 1 semimonthly in German, 1 semiweekly in Italian, 1 semiweekly and 1 semimonthly in Lithuanian, 2 semiweeklies in Russian, 1 semiweekly and 1 semiannual in English and German and 1 bimonthly in Spanish and Portuguese.

Petroleum, refining.—Measured by value of products, Pennsylvania ranked fourth among the states in the petroleum-refining industry in 1914 as compared with second in 1909. The following table shows the cost of materials, the quantity and value of the principal products, and details as to the main equipment reported in 1914, 1909, and 1904.

From 1909 to 1914 the total cost of materials decreased $3,055,822, or 6.4 per cent, and the value of products, $213,098, or four-tenths of 1 per cent. The quantity of crude petroleum used as material decreased from 21,893,871 barrels of 42 gallons to 17,523,078

barrels, or 20 per cent. Of the crude petroleum used in 1914, more than one-half, or 62.7 per cent, was from the Appalachian field (Pennsylvania grade); 17.7 per cent was Mid-Continent; 13.8 per cent, Gulf and Mexican; and 5.9 per cent, Illinois. In 1909 a little more than one-half was from the Appalachian field, with Illinois ranking second.

Table 42	1914	1909	1904
MATERIALS.			
Total cost	$44,384,494	$47,440,316	$38,921,919
Crude petroleum:[1]			
Barrels (42 gallons)	17,523,078	21,893,871	17,977,686
Pennsylvania grade	10,980,749	12,841,398	(2)
Mid-Continent	3,093,882	2,620,867	
Gulf and Mexican	2,411,842	1,218,182	
Illinois	1,036,605	5,213,424	
Cost	$35,111,351	$38,914,307	$31,957,135
Partly refined oils and waxes:			
Barrels	367,841	(2)	(2)
Cost	$1,141,044		
Sulphuric acid, sulphur, and caustic soda, cost	$510,334	$728,813	(2)
Containers and material therefor:			
Wooden, cost	$2,839,811	$3,229,016	$3,184,412
Metal, cost	$955,345	$1,252,524	
All other materials, cost	$3,826,609	$3,315,656	$3,780,372
PRODUCTS.			
Total value	$52,875,101	$53,088,199	$47,459,502
Naphthas and lighter products:			
Gasoline (from crude petroleum)—			
Barrels (50 gallons)	[3] 2,023,773	2,051,118	1,774,626
Value	$10,073,541	$8,063,575	$6,402,492
All other:			
Barrels	298,656		
Value	$1,147,484		
Illuminating oils:			
Barrels	5,211,972	8,659,488	8,328,883
Value	$15,083,873	$24,319,743	$25,840,501
Fuel oils:			
Barrels	2,793,636	2,712,073	1,648,535
Value	$4,595,605	$3,207,308	$2,563,439
Lubricating oils:			
Barrels	3,198,461	3,124,921	1,870,437
Value	$16,722,418	$12,965,591	$7,177,818
Residuum or tar:			
Barrels	98,343	38,701	(2)
Value	$211,796	$92,988	
Greases:			
Barrels	80,536	17,471	(2)
Value	$912,938	$108,616	
Paraffin wax:			
Barrels	229,944	326,809	279,511
Value	$1,557,446	$2,456,178	$3,017,004
All other products, value	$2,570,000	$1,874,200	$2,449,248
EQUIPMENT.			
Stills, number	689	579	516
Steam—			
Number	141	108	116
Capacity (barrels, 42 gallons)	80,997	172,716	(2)
Fire—			
Number	548	471	400
Capacity	330,317	571,234	(2)
Agitators	167	143	120
Storage tanks for:			
Crude petroleum—			
Number	185	118	131
Capacity (gallons)	76,891,656	64,429,951	42,683,656
Refined petroleum product—			
Number	2,135	2,138	1,191
Capacity	140,147,570	224,531,444	110,111,758
Fuel oil—			
Number	79		
Capacity	18,287,639		
Other storage tanks—			
Number	1,127		
Capacity	88,030,237		

[1] Marketed production of crude petroleum produced in the state of Pennsylvania: 1914, 8,170,335 barrels; 1909, 9,299,403; 1904, 11,125,762.
[2] Figures not available.
[3] In addition, there was produced at the wells in 1914, 922,348 barrels (50 gallons) of casing-head gasoline, valued at $359,402.

The total production of refined oils in 1914 was 13,526,498 barrels, of which illuminating oils constituted 38.5 per cent; lubricating oils, 23.6 per cent; fuel oils, 20.7 per cent; and gasoline and naphthas, 17.2 per cent. In 1909 the production of refined oils was 16,547,600 barrels, of which illuminating oils formed 52.3 per cent; lubricating oils, 18.9 per cent; fuel oils, 16.4 per cent; and gasoline and naphthas, 12.4 per cent. There was a decrease in the production of refined oils from 1909 to 1914 of 3,021,102 barrels, or 18.3 per cent.

The condition of the industry is also reflected in the figures for the equipment, such as stills, storage tanks, and agitators.

Slaughtering and meat packing.—The following table gives the quantity and cost of the principal materials used and the quantity and value of some of the leading products reported for the slaughtering and meat-packing industry for 1914, 1909, and 1904:

Table 43	1914	1909	1904
MATERIALS.			
Total cost	$57,604,689	$44,247,494	$27,784,202
Animals slaughtered:			
Beeves—			
Number	236,949	252,897	197,581
Cost	$19,340,197	$14,997,080	$10,068,306
Calves—			
Number	115,446	152,851	112,867
Cost	$1,665,435	$1,764,473	$1,025,377
Sheep and lambs—			
Number	436,881	445,471	363,494
Cost	$2,356,186	$2,332,533	$1,570,071
Hogs—			
Number	1,573,974	1,222,880	1,085,634
Cost	$25,321,253	$16,934,874	$10,156,069
Dressed meat purchased for curing, cost[1]	$5,375,289	$4,898,467	$3,363,793
All other materials, cost	$3,546,329	$3,320,067	$1,600,586
PRODUCTS.			
Total value	$65,191,272	$51,106,708	$32,321,089
Fresh meat:			
Beef—			
Pounds	130,759,894	136,838,202	117,319,123
Value	$16,693,646	$13,072,530	$9,436,666
Veal—			
Pounds	9,967,655	13,405,455	9,097,823
Value	$1,529,528	$1,671,022	$987,297
Mutton and lamb—			
Pounds	16,142,452	17,316,377	15,035,808
Value	$2,146,594	$2,149,700	$1,440,490
Pork—			
Pounds	91,731,688	50,210,292	37,333,942
Value	$12,754,612	$6,072,517	$3,295,575
Edible offal and all other fresh meat—			
Pounds	12,319,073	3,189,364	13,498,980
Value	$872,176	$195,490	$939,079
Cured meat:			
Beef, pickled, and other cured—			
Pounds	2,853,323	2,765,672	924,173
Value	$690,103	$448,471	$88,394
Pork, pickled, and other cured—			
Pounds	83,007,657	78,559,883	78,070,062
Value	$12,174,586	$11,116,844	$7,679,349
Sausage:			
Pounds	40,669,573	42,569,651	23,007,722
Value	$5,719,326	$4,677,079	$2,025,240
Meat puddings, headcheese, etc.:			
Pounds	18,793,774	(2)	(2)
Value	$2,018,687		
Lard:			
Pounds	47,191,604	36,121,032	34,129,473
Value	$5,156,619	$4,522,249	$2,534,618
Oleo and other oils:			
Gallons	504,708	679,938	1,000,259
Value	$358,258	$536,841	$469,013
Tallow, oleo stock, and stearin:			
Pounds	7,911,300	8,965,706	(2)
Value	$572,439	$682,426	
Sausage casings:			
Pounds	717,482	(2)	(2)
Value	$165,051		
Fertilizers and fertilizer materials:			
Tons	11,298	9,973	8,415
Value	$350,718	$190,762	$140,642
Hides and pelts:			
Cattle—			
Number	236,949		
Pounds	15,573,867		
Value	$2,544,896	3097,448	296,259
Calf—		19,17,659	14,619,934
Number	115,005	$2,426,372	$1,469,705
Pounds	1,348,226		
Value	$243,049		
Sheep—			
Number	436,880	444,480	363,494
Value	$433,704	$455,030	$336,037
All other products, value	$767,280	$2,889,375	$1,478,984

[1] Includes the cost of poultry. [2] Not reported separately.

From 1909 to 1914 the total cost of materials increased $13,357,195, or 30.2 per cent, while the total value of products increased $14,084,564, or 27.5 per cent, for the same period. There was a decrease in the number of each class of animals slaughtered, except hogs, but an increase in the cost of each kind of animals slaughtered, except calves. The cost of dressed meat purchased for curing increased 9.7 per cent. The output of fresh meat, sold as such, shows a gain of 18.1 per cent in quantity and 46.8 per cent in value, while the quantity of meats cured increased 5.6 per cent and the value 11.2 per cent. These gains are due largely to the increase in the production of pork. Sausage decreased 4.5 per cent in quantity, but increased 22.3 per cent in value, while lard increased 30.6 per cent in quantity and 14 per cent in value.

Coke.—The manufacture of coke in the United States was begun in 1841 near Connellsville, Pa. For many years the industry was confined almost entirely to the western part of Pennsylvania, where coal suited to its manufacture was abundant and the proximity of the iron mills of the Pittsburgh district an advantage. While coke is now manufactured in a number of other states, Pennsylvania still leads in its production and supplies nearly two-thirds of the total for the country.

The following table presents, for 1914, 1909, and 1904, statistics for the materials used and the quantity and value of coke produced, together with the number and kinds of ovens in use. The figures for 1914 were compiled by the United States Geological Survey.

Table 44	1914	1909	1904
MATERIALS.			
Coal charged into ovens, tons (2,000 pounds)	30,286,961	36,983,568	23,083,044
Run of mine—			
Unwashed	25,568,962	31,712,482	20,595,557
Washed	2,135,754	2,278,927	505,527
Slack—			
Unwashed	465,927	1,016,576	1,079,682
Washed	2,116,318	1,975,583	902,278
PRODUCTS.			
Coke:			
Tons	20,258,393	24,905,525	16,273,046
Value	$42,447,886	$50,377,035	$28,593,136
Made in beehive ovens—			
Tons	18,074,057	22,966,105	15,767,652
Value	$35,877,910	$45,315,189	$27,542,495
Made in retort or by-product ovens—			
Tons	2,184,336	1,939,420	505,394
Value	$6,569,976	$5,061,846	$1,050,641
EQUIPMENT.			
Ovens, number at end of year	54,075	54,506	37,205
Beehive ovens	52,553	53,210	36,675
Retort or by-product ovens	1,522	1,296	530

There was a decrease from 1909 to 1914 in the total quantity of coke produced, but an increase in the number of by-product ovens and of coke produced by them. This growth in the use of by-product ovens is significant as showing the value of utilizing that which was formerly waste. For the general statistics for the classified industry, which include all the subsidiary products of the establishments engaged in the production of coke, see Table 59.

Flour-mill and gristmill products.—The following table shows the quantity and value of the several products of the flour mills and gristmills of the state for 1914, 1909, and 1904:

Table 45	1914	1909	1904
Products, total value	$43,626,356	$44,782,558	$38,518,702
Wheat flour:			
Barrels	3,975,031	3,749,842	3,969,229
Value	$19,795,116	$20,150,978	$19,844,069
Rye flour:			
Barrels	151,877	154,679	128,506
Value	$666,000	$628,999	$536,576
Buckwheat flour:			
Pounds	36,830,070	50,760,000	45,117,852
Value	$1,077,717	$1,289,949	$1,075,989
Barley meal:			
Pounds	270,364	196,800	331,600
Value	$5,762	$2,776	$4,106
Corn meal and corn flour:			
Barrels	760,299	767,462	1,097,993
Value	$2,509,596	$2,369,701	$2,691,670
Hominy and grits:			
Pounds	51,981,949	52,105,637	33,938,974
Value	$939,878	$796,433	$411,579
Oatmeal:			
Pounds	4,627,400	.....	.....
Value	$86,613	.....	.....
Bran and middlings:			
Tons	182,626	649,636	598,888
Value	$4,642,020	$18,071,309	$13,764,753
Feed and offal:			
Tons	404,928		
Value	$12,760,946		
Breakfast foods:			
Pounds	267,137	.....	.....
Value	$10,262	.....	.....
All other cereal products, value	$618,385	$422	.....
All other products, value	$514,061	$1,471,991	$189,960

The total value of products of the industry decreased from $44,782,558 in 1909 to $43,626,356 in 1914. Wheat flour, and feed and offal, including bran and middlings, were the principal products at each of the last three census years, constituting 85.3 per cent of the total value of products in 1914, 85.4 per cent in 1909, and 87.3 per cent in 1904. During the five-year period 1909–1914 the quantity of wheat flour increased 225,189 barrels, or 6 per cent, while its value decreased $355,862, or 1.8 per cent. Feed and offal, including bran and middlings, shows a decrease of 62,082 tons, or 9.6 per cent, in quantity and $668,343, or 3.7 per cent, in value during the same period. With the exception of barley meal, the remaining products presented separately show slight decreases in quantity since 1909.

Of the 824 establishments grinding wheat in 1914, 4 reported over 100,000 barrels of wheat flour, 24 from 20,000 to 100,000 barrels, 114 from 5,000 to 20,000 barrels, 392 from 1,000 to 5,000 barrels, and 290 establishments less than 1,000 barrels each. The equipment reported in 1914 consisted mainly of 3,638 stands of rolls, 1,380 runs of stone, and 635 attrition mills. Barrels were manufactured by 10 and sacks by 10 of the establishments reported in 1914.

Glass.—In 1914 Pennsylvania reported 32.3 per cent of the total value of glass manufactured in the United States as against 35.6 per cent in 1909 and 34.8 per cent in 1904. The state ranked first in the production of building glass and pressed and blown glass and second in the production of bottles and jars. The following table gives the quantity and value of products in the industry for 1914, 1909, and 1904:

Table 46	1914	1909	1904
Products, total value	$39,797,822	$32,817,936	$27,671,693
Building glass, value	$18,968,873	$14,958,649	$12,169,013
Window glass—			
Square feet	193,392,492	181,772,450	120,520,000
Value	$8,613,703	$5,786,591	$5,963,874
Obscured glass—			
Square feet	23,114,813	[1] 10,792,914	[1] 7,745,349
Value	$1,254,911	$543,019	$357,587
Plate glass—			
Square feet	33,615,943	31,992,783	17,695,346
Value	$8,192,576	$8,245,821	$5,140,554
Wire glass—			
Square feet	7,219,018	(2)	(2)
Value	$586,120		
All other, value	$321,563	$383,218	$706,998
Pressed and blown glass, value	$11,241,495	$9,847,228	$9,406,183
Bottles and jars, value	$8,930,255	$7,778,787	$5,951,144
All other products, value	$657,199	$233,272	$145,353

[1] Reported as skylights. [2] Not reported separately.

The total value of products for 1914 represents an increase of 21.3 per cent over 1909. Window glass, the product of chief value among those for use in building, increased 6.4 per cent in quantity and 48.9 per cent in value. Obscured glass, which was reported prior to the census of 1914 as skylight glass, shows an increase in both quantity and value of over 100 per cent. Plate glass also increased in quantity but shows a slight decrease in value. The total value of pressed and blown glass increased 14.2 per cent, and that of bottles and jars, 14.8 per cent. In 1914 the factories in Pennsylvania produced 61,167,900 pieces of table ware; 3,999,513 dozen blown tumblers, stem ware, and bar goods; 1,183,341 gross prescription bottles, vials, and druggists' ware; and 285,041 gross milk jars. The state also produced 85.7 per cent of the opal ware and 94.8 per cent of the battery jars made in the United States in 1914. Of the 103 establishments engaged in the manufacture of glass in 1914, 39 produced building glass, 33 pressed and blown glass, and 34 bottles, jars, etc.

Boots and shoes.—The following table shows the number of pairs of the various kinds of footwear manufactured in 1914, 1909, and 1904:

Table 47	Number of pairs.		
Kind.	1914	1909	1904
Boots and shoes	17,717,591	11,631,329	9,998,589
Men's	1,697,909	942,959	1,116,021
Boys' and youths'	1,230,664	1,105,348	1,035,721
Women's	3,672,662	3,285,815	3,417,319
Misses' and children's	11,116,356	6,297,207	4,429,528
Slippers, all kinds	312,334	1,165,117	328,741
All other footwear	4,154,577	4,792,028	3,009,090

Table 47 shows a great increase in the manufacture of footwear in Pennsylvania during the decade 1904–1914. There were 22,184,502 pairs produced in the state in 1914, a gain of 26.1 per cent over 1909, and of 66.3 per cent over 1904. Of the 17,717,591 pairs of boots and shoes manufactured in 1914, those made for misses and children constituted 62.7 per cent, an increase of 76.5 per cent over 1909. Women's boots and shoes increased 11.8 per cent during the period and boys' and youths' 11.3 per cent, while the largest relative increase, 86 per cent, was for men's boots and shoes. The number of pairs of slippers manufactured decreased by 73.2 per cent during the period from 1909 to 1914. "All other footwear," which consists principally of infants' shoes and slippers, decreased 13.3 per cent during the same period.

The following table classifies the various kinds of footwear produced in 1914, according to the methods employed in their manufacture:

Table 48		Number of pairs, by method of manufacture.				
Kind.	Census year.	Total.	Welted.	Turned.	McKay.	Wood or metal fastened.
Boots and shoes	1914	17,717,591	4,823,414	6,981,379	5,404,466	508,332
	1909	11,631,329	2,764,754	4,170,122	4,187,893	508,560
Men's	1914	1,697,909	1,236,963	(1)	51,732	409,214
	1909	942,959	534,350	.....	37,418	371,191
Boys' and youths'	1914	1,230,664	327,077	.....	804,469	99,118
	1909	1,105,348	138,675	.....	852,559	114,114
Women's	1914	3,672,662	1,979,191	416,222	1,277,249	(2)
	1909	3,285,815	1,748,784	418,545	1,106,136	12,350
Misses' and children's	1914	11,116,356	1,280,183	6,565,157	3,271,016	(1)
	1909	6,297,207	342,945	3,751,577	2,191,780	10,905
Slippers, all kinds	1914	312,334	(1)	174,025	138,309	.....
	1909	1,165,117	91,739	583,741	489,637	.....
All other footwear	1914	4,154,577	(1)	3,927,980	226,597	.....
	1909	4,792,028	579,602	3,861,268	222,783	128,375

[1] Included with "McKay." [2] Included with "turned."

More than two-thirds of the boots and shoes manufactured in Pennsylvania in 1914 were turned and McKay sewed; 6,981,379 pairs of the former class and 5,404,466 of the latter class being reported, while 4,823,414 pairs were made by the welted process. Of men's shoes made in 1914, 72.9 per cent were welted as compared with 56.7 per cent in 1909. The McKay type predominated in the manufacture of boys' and youths' boots and shoes, and the welted style in women's wear, while more than half of the misses' and children's shoes, were turned. Slippers were divided about equally between the turned and McKay types.

Paper and wood pulp.—Table 49 shows the quantity and cost of the principal materials used in the industry, the quantity and value of the principal products, and the number and capacity of the paper machines and pulp equipment for the census years 1914, 1909, and 1904.

The total cost of the materials used in 1914, including fuel and rent of power, was an increase of 40.8 per cent over 1909 and of 88.6 per cent during the decade. The total quantity of wood used in the manufacture of pulp was 375,730 cords. Of this amount, spruce represented 103,114 cords; poplar, 49,317 cords; pine, 29,859 cords; southern pine, 26,276 cords; hemlock, 25,722 cords; other woods, including gum, birch, beach, maple, etc., 88,102 cords; and slabs and other mill waste, 53,340 cords. Of the different kinds of

wood pulp used at each census, sulphite fiber was the most important. The use of old and waste paper as a material has almost doubled in both quantity and value since 1904, while the value of "all other materials," which amounted to $5,021,212 in 1914, increased 66 per cent during the decade.

Table 49	1914	1909	1904
MATERIALS.			
Total cost	$16,046,557	$11,398,311	$8,509,546
Pulp wood:			
Cords	375,730	(1)	243,420
Cost	$3,234,665	$2,111,025	$1,222,491
Wood pulp purchased:			
Tons	70,142	41,062	30,945
Cost	$2,980,909	$1,773,494	$1,181,511
Ground—			
Tons	9,960	6,942	6,747
Cost	$242,579	$163,187	$125,463
Soda fiber—			
Tons	9,971	3,408	4,451
Cost	$412,240	$151,337	$189,892
Sulphite fiber—			
Tons	40,009	30,712	19,747
Cost	$1,931,312	$1,458,970	$866,156
Sulphate fiber—			
Tons	10,202	(1)	(1)
Cost	$394,778		
Rags, including cotton and flax waste and sweepings:			
Tons	63,975	64,654	56,207
Cost	$1,312,991	$1,226,978	$866,616
Old or waste paper:			
Tons	125,171	106,150	65,726
Cost	$1,329,985	$1,208,765	$719,574
Manila stock, including jute bagging, rope, waste, and thread:			
Tons	7,741	9,544	11,971
Cost	$392,525	$327,212	$299,469
Fuel and rent of power, cost	$1,774,270	$1,544,116	$1,196,885
All other materials, cost	$5,021,212	$3,206,721	$3,023,000
PRODUCTS.			
Total value	$25,439,346	$19,872,717	$15,411,032
Book paper (plain, coated, and cover):			
Tons	124,665	80,439	66,256
Value	$9,703,171	$6,442,043	$4,905,068
Wrapping paper:			
Tons	73,371	63,995	58,192
Value	$4,243,294	$3,954,578	$3,154,038
Manila (rope, jute, etc.)—			
Tons	4,089	5,702	5,964
Value	$584,586	$670,071	$582,976
Heavy (mill wrappers, etc.)—			
Tons	18,369	36,619	31,043
Value	$827,059	$1,777,450	$1,366,455
Bogus, or wood manila—			
Tons	8,651	6,167	1,571
Value	$339,190	$278,993	$72,898
All other—			
Tons	42,262	15,507	19,614
Value	$2,492,459	$1,228,064	$1,131,709
Boards:			
Tons	66,376	53,963	26,398
Value	$1,996,006	$1,406,309	$688,358
Building, roofing, asbestos, and sheathing paper:			
Tons	55,273	60,168	67,797
Value	$2,078,129	$1,937,000	$1,847,762
All other paper:			
Tons	61,465	55,632	37,444
Value	$5,242,568	$4,695,994	$3,524,836
Wood pulp made for sale or for consumption in mills other than those in which produced:			
Tons	28,652	16,589	18,880
Value	$1,133,039	$683,610	$844,098
All other products, value	$1,043,139	$753,183	$446,872
Wood pulp produced (including that used in mills where manufactured), total tons	178,127	136,850	83,114
Soda fiber, tons	99,845	80,776	53,682
All other (ground, sulphite, and screenings), tons	78,282	56,074	29,432
MACHINERY.			
Paper machines:			
Total number	128	126	134
Capacity, yearly, tons	501,255	419,207	327,505
Fourdrinier—			
Number	76	68	65
Capacity per 24 hours, tons	989	736	580
Cylinder—			
Number	52	58	69
Capacity, per 24 hours, tons	670	706	543

[1] Not reported separately.

Table 49—Continued.	1914	1909	1904
MACHINERY—continued.			
Pulp equipment:			
Grinders, number	4	5	5
Digesters, number	103	105	89
Soda fiber	80	83	73
Sulphite fiber	23	22	16
Capacity, yearly, tons of pulp	205,972	169,961	130,547
Ground, tons	4,150	16,908	4,400
Soda, tons	117,144	87,903	73,873
Sulphite, tons	84,678	65,150	52,274

The total value of paper and wood pulp products increased by $5,566,629, or 28 per cent, for the period 1909–1914, and 65.1 per cent for the decade 1904–1914. Book paper, plain, coated, and cover, was the leading product of the paper mills of the state in 1914 as well as at the two preceding censuses, representing 38.1 per cent of the total value of products in 1914, 32.4 per cent in 1909, and 31.8 per cent in 1904. The product ranking next in value was wrapping paper, while writing and other fine paper, although of almost equal value, can not be shown separately on account of disclosing the operations of individual establishments. Board and building papers were also important products of the industry in the state.

The total amount of wood pulp produced increased from 83,114 tons in 1904 to 136,850 tons in 1909 and 178,127 tons in 1914, an increase of 114.3 per cent during the decade.

Chemicals.—The following table shows the value of certain chemicals manufactured in Pennsylvania during 1914 and 1909:

Table 50	1914	1909
Products, total value	$24,909,294	$18,813,785
The chemical industry	22,387,835	15,978,162
Sulphuric, nitric, and mixed acid industry	1,158,479	624,473
Subsidiary chemical products from other industries	1,362,980	2,211,150
Acids	4,456,542	3,158,940
Alums	1,362,357	1,390,383
Coal-tar products	1,442,481	783,382
Compressed and liquefied gases	1,545,857	931,388
Sodas and sodium compounds	1,129,863	1,076,592
Fine chemicals, alkaloids, gold, silver, and platinum salts, ether, vanadium, etc	4,343,809	4,427,865
Other chemicals	8,234,511	6,800,240
All other products	2,393,874	244,995

The total value of products of the classified chemical industry increased $6,409,673, or 40.1 per cent, from 1909 to 1914. From the standpoint of value, the most important group of products made in 1914 was acids, which shows an increase over 1909 of 41.1 per cent. Coal tar shows the largest relative increase of any of the groups, 84.1 per cent. Chemicals valued at $1,362,980 were produced incidentally during 1914 by establishments primarily engaged in the manufacture of products classified under other industry designations.

In the production of chemicals Pennsylvania ranked third among the states at both the census of 1914 and that of 1909.

Paint and varnish.—The following table shows the quantity and value of the paints and varnishes reported at the censuses of 1914, 1909, and 1904.

Table 51	1914	1909	1904
Products, total value	[1] $16,004,616	$14,019,744	$11,637,038
Pigments	$5,248,837	$3,055,741	$2,489,535
Paints	$6,915,720	$6,312,862	$5,144,112
In paste form, ground in oil—			
White lead—			
Pounds	41,526,000	32,401,207	35,780,225
Value	$2,470,052	$1,995,179	$1,898,758
All other—			
Pounds	29,936,997	29,741,101	22,061,202
Value	$1,583,668	$1,609,481	$1,398,355
In oil, already mixed for use—			
Gallons	3,099,564	3,083,523	2,190,972
Value	$2,862,000	$2,708,202	$1,846,999
Varnishes and japans	$2,056,265	$1,814,551	$1,867,940
Oleoresinous varnishes—			
Gallons	454,323	397,010	[2] 1,174,352
Value	$388,029	$356,105	[2] $1,082,384
Spirit varnishes, not turpentine—			
Gallons	196,892	72,567	83,536
Value	$180,969	$93,945	$136,980
Damar and similar turpentine and benzine varnishes—			
Gallons	309,268	502,987	(3)
Value	$285,705	$309,029	
Drying japans and dryers—			
Gallons	1,610,416		
Value	$597,503	2,199,656	(4)
Baking japans and lacquers—		$800,082	$257,502
Gallons	1,410,190		
Value	$234,457		
All other, value	$369,602	$255,390	$391,074
Fillers:			
Liquid—			
Gallons	77,316		
Value	$66,254		
Dry or in paste—			
Pounds	35,797,460		
Value	$436,926		
Putty—		$498,517	$360,439
Pounds	9,449,944		
Value	$185,624		
Water paints and kalsomine, dry or in paste:			
Pounds	404,157		
Value	$19,836		
All other products, value	$3,075,154	$2,332,073	$1,775,012

[1] In addition, paints and varnishes to the value of $9,835 were made in establishments not engaged primarily in the manufacture of paint or varnish.
[2] Include damar and similar turpentine and benzine varnishes.
[3] Included in oleoresinous varnish.
[4] Not reported.

All major items in the table show an increase in value since 1909. The increase in the total value of products was $1,984,872. Paints, already mixed for use, is the most important product, showing a value in 1914 of $2,862,000. White lead in oil ranked second among the products, with a value of $2,470,052.

Butter, cheese, and condensed milk.—In 1914 Pennsylvania ranked twelfth among the states in the factory production of butter, third in cheese, and sixth in condensed and evaporated milk. Table 52 gives in detail the quantity and value of the products of the industry for 1914, 1909, and 1904.

The combined value of butter, cheese, and condensed milk shows an increase of $2,143,234, or 15.8 per cent, during the five years 1909 to 1914. Butter contributed 49.3 per cent of the total value of products in 1914 as against 71 per cent in 1909. The quantity produced decreased between 1904 and 1909 and again between 1909 and 1914, but the value increased during the former and decreased during the latter five-year period. Cheese, which contributed 9.7 per cent of the total value of products of the industry in 1914, showed no very marked change in value, but increased in quantity 3,574,536 pounds, or 31.8 per cent. Condensed and evaporated milk, contributing 28.3 per cent of the total value of products, shows large increases in both quantity and value, the increase in quantity being 43,247,533 pounds, or 163.4 per cent, and in value, $2,954,868, or 199.5 per cent. The increase is due to the manufacture of unsweetened and evaporated milk, which increased from 15,683,771 pounds in 1909 to 53,296,814 pounds in 1914, or 239.8 per cent, while the value increased from $743,014 in 1909 to $3,239,753 in 1914, or 336 per cent. Cream sold as such shows a very large increase during the decade.

Table 52	1914	1909	1904
Products, total value	$15,687,299	$13,544,065	$11,581,115
Butter:			
Pounds	23,985,125	30,484,217	35,754,841
Value	$7,738,208	$9,613,299	$8,691,362
Packed solid—			
Pounds	7,221,417	9,283,220	10,660,820
Value	$2,099,201	$2,741,957	$2,278,140
Prints or rolls—			
Pounds	16,763,708	21,200,997	25,094,021
Value	$5,639,007	$6,871,342	$6,413,222
Cheese:			
Pounds	14,808,573	11,234,037	11,453,424
Value	$1,518,862	$1,414,890	$1,007,815
Full cream—			
Pounds	8,541,623	9,423,849	
Value	$1,277,197	$1,314,704	
Part cream—			11,453,424
Pounds	3,455,599	490,685	
Value	$133,723	$42,921	$1,007,815
Other kinds—			
Pounds	2,811,351	1,319,503	
Value	$107,942	$57,265	
Condensed and evaporated milk:			
Pounds	69,708,917	26,461,384	20,364,700
Value	$4,436,281	$1,481,413	$1,229,602
Sweetened—			
Pounds	16,412,103	10,777,613	19,160,432
Value	$1,196,528	$738,399	$1,177,969
Unsweetened and evaporated milk—			
Pounds	53,296,814	15,683,771	1,204,268
Value	$3,239,753	$743,014	$51,633
Cream sold:			
Pounds	8,791,734	4,754,954	1,778,703
Value	$970,939	$531,432	$161,913
Other butter, cheese, and condensed-milk factory products, value	$993,886	.....	.....
All other products, value	$29,123	$503,031	$490,423

Carriages and wagons.—Table 53 shows the number and value of the several products of this industry for 1914, 1909, and 1904.

Table 53	1914	1909	1904
Products, total value	$12,261,637	$12,748,383	$11,493,128
Carriages, pleasure:			
Number	15,551	23,395	33,467
Value	$1,101,307	$1,738,125	$2,355,043
Wagons:			
Number	32,983	33,634	35,395
Value	$2,849,777	$2,996,485	$2,839,372
Business—			
Number	21,976	21,414	21,722
Value	$2,153,542	$2,143,007	(1)
Farm—			
Number	10,960	11,964	13,321
Value	$684,624	$766,499	(1)
Government, municipal, etc.—			
Number	47	256	352
Value	$11,611	$86,979	(1)
Public conveyances:			
Number	71	432	333
Value	$48,710	$133,811	$117,093
Sleighs and sleds:			
Number	2,404	3,210	5,551
Value	$75,247	$90,619	$150,461
All other products, including parts and repair work, value	$8,186,596	$7,789,343	$6,031,159

[1] Not reported.

The total value of products of this industry shows a decrease of 3.8 per cent for the five-year period 1909–1914 and an increase of 6.7 per cent for the decade 1904–1914. With the exception of business wagons, there was a considerable decrease in the value of every kind of vehicle for which statistics are shown, but this loss was to a great extent counterbalanced by the gain in value of "all other products" and repair work. In number and value, business vehicles constituted the most important of the different classes of products made in 1914. Carriages for pleasure shows a decrease of 7,844, or 33.5 per cent, in number, and $636,818, or 36.6 per cent, in value.

Laundries.—Statistics for power laundries are not included in the general tables or in the totals for all manufacturing industries. They were not collected previous to 1909. Table 54, however, summarizes the power-laundry statistics for Pennsylvania for 1914 and 1909.

Table 54

	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase, 1909–1914.
	1914	1909	
Number of establishments	396	385	2.9
Persons engaged	11,831	10,915	8.4
Proprietors and firm members	447	436	2.5
Salaried employees	974	840	16.0
Wage earners (average number)	10,410	9,639	8.0
Primary horsepower	12,602	10,730	17.4
Capital	$8,160,248	$6,685,132	22.1
Salaries and wages	5,120,647	4,167,836	22.9
Salaries	884,289	680,843	29.9
Wages	4,236,358	3,486,993	21.5
Cost of materials	1,848,109	1,449,517	27.5
Amount received for work done	10,225,004	8,331,834	22.7

In 1914 Pennsylvania ranked fourth among the states in amount received for work done and in average number of persons engaged in the industry, while in 1909 the rank was fourth and third, respectively. The foregoing summary shows increases during the five-year period in all of the items. Establishments owned by individuals reported 30 per cent of the receipts for work done; those owned by corporations, 48.5 per cent; and those under other forms of ownership, 21.5 per cent. Of the 396 laundries reported for the state in 1914, 200 were located in 19 cities each having a population of 10,000 or more. Of these, 91 were in Philadelphia and 25 in Pittsburgh. Measured by the amount received for work done, these cities represent 38.9 and 19.9 per cent, respectively, of the total for the state.

Table 55 shows for 1914 and 1909 the number of wage earners employed in the laundries on the 15th day of each month, or the nearest representative day, and the percentage which this number forms of the greatest number employed in any month during the year. In the monthly employment of wage earners there was a greater variation in 1909 than in 1914.

Table 55

MONTH.	WAGE EARNERS.			
	Number.		Per cent of maximum.	
	1914	1909	1914	1909
January	10,404	9,331	98.4	94.7
February	10,402	9,357	98.4	95.0
March	10,477	9,380	99.1	95.2
April	10,471	9,474	99.0	96.2
May	10,576	9,630	100.0	97.8
June	10,521	9,771	99.5	99.2
July	10,407	9,756	98.4	99.1
August	10,355	9,716	97.9	98.6
September	10,310	9,820	97.5	99.7
October	10,410	9,849	98.4	100.0
November	10,320	9,802	97.6	99.5
December	10,259	9,782	97.0	99.3

Table 56 gives statistics as to kinds and amount of power used in the laundries of the state in 1914 and 1909, together with the percentages of increase for the five-year period.

Table 56

	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
			Amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	1914	1909	
Primary power, total	590	533	12,602	10,730	17.4
Owned	376	397	11,624	10,111	15.0
Steam	334	345	10,675	9,124	17.0
Internal combustion	41	52	937	987	—5.1
Water wheels	1	.....	12	.....	.....
Rented	214	136	978	619	58.0
Electric	214	136	904	549	64.7
Other	.....	.....	74	70	5.7
Electric—Generated in establishments reporting	465	287	1,319	764	72.6

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

Table 57 shows kinds and quantities of fuel used in the laundries, as reported at the censuses of 1914 and 1909, with the percentages of increase.

Table 57

KIND.	Unit.	QUANTITY.		Per cent of increase,[1] 1909–1914.
		1914	1909	
Anthracite coal	Tons, 2,240 lbs.	51,621	48,729	5.9
Bituminous coal	Tons, 2,000 lbs.	67,650	42,130	60.5
Coke	do.	.....	444	.....
Oil	Barrels	562	8,284	—93.2
Gas (excluding blast-furnace gas)	1,000 cubic feet	194,879	433,028	—55.0

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

GENERAL TABLES.

Table 58 gives, for 1914, 1909, and 1904, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products, for selected industries in the state and for the cities having more than 10,000 inhabitants, similar data for all industries combined.

Table 59 presents, for 1914, for the state as a whole and for cities with 50,000 inhabitants or more, statistics in detail for each industry for which figures can be shown without the disclosure of individual operations; and for each of the cities in the state having from 10,000 to 50,000 inhabitants, for all industries combined.

TABLE 58.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
All industries	1914	27,521	924,478	3,549,858	$527,953	$1,688,921	$2,832,349
	1909	27,563	877,543	2,921,547	455,627	1,582,560	2,626,742
	1904	23,495	763,282	2,302,398	367,961	1,142,943	1,955,551
Agricultural implements	1914	38	2,018	4,472	1,121	1,907	4,844
	1909	36	2,401	3,842	1,223	2,082	4,805
	1904	43	2,394	3,230	1,103	2,075	5,017
Artificial flowers and feathers and plumes.	1914	28	802	68	301	689	1,475
	1909	30	805	75	262	675	1,319
	1904	19	553	52	170	367	722
Automobiles, including bodies and parts.	1914	80	3,083	5,130	2,137	5,558	10,084
	1909	44	3,199	2,746	1,808	4,051	6,532
	1904	6	566	423	352	601	1,226
Babbitt metal and solder.	1914	20	157	180	101	1,159	1,510
	1909	17	181	271	107	1,717	2,117
	1904	11	58	60	33	723	888
Belting, leather	1914	15	189	310	129	1,295	1,775
	1909	17	156	363	105	1,011	1,379
	1904	14	127	205	84	541	865
Blacking and cleansing and polishing preparations.	1914	55	185	505	81	625	1,112
	1909	44	158	388	68	387	755
	1904	24	133	218	52	218	443
Boots and shoes, including cut stock and findings.	1914	146	13,414	6,352	6,213	17,427	28,989
	1909	140	10,822	4,337	4,266	12,064	20,219
	1904	[1] 133	8,990	3,221	3,263	8,907	14,884
Boxes, cigar	1914	63	1,693	1,840	562	1,208	2,124
	1909	77	1,801	1,818	580	1,252	2,328
	1904	88	1,585	1,754	428	1,023	1,879
Boxes, fancy and paper.	1914	133	5,140	2,427	1,826	2,977	6,546
	1909	118	4,604	2,121	1,472	2,290	5,184
	1904	98	4,179	1,569	1,213	1,676	3,906
Brass, bronze, and copper products.	1914	107	1,940	4,578	1,260	7,123	9,780
	1909	104	2,080	4,996	1,234	5,605	8,455
	1904	[2] 98	1,695	5,261	949	3,271	5,443
Bread and other bakery products.	1914	2,987	15,157	14,597	8,514	31,685	54,140
	1909	3,185	12,221	10,806	6,528	27,330	45,850
	1904	2,817	10,964	6,044	5,392	19,300	33,370
Brick, tile, pottery, and other clay products.	1914	377	18,976	70,949	9,735	8,727	24,467
	1909	465	17,061	61,389	8,238	6,562	22,297
	1904	528	16,230	54,710	7,192	4,508	18,039
Brooms	1914	80	514	456	264	758	1,259
	1909	84	444	451	214	737	1,261
Brushes	1914	46	385	273	204	597	1,138
	1909	55	416	360	196	518	1,043
Butter, cheese, and condensed milk.	1914	387	1,309	7,808	745	13,017	15,687
	1909	536	1,177	7,613	556	11,674	13,544
	1904	645	1,218	9,483	556	9,656	11,581
Buttons	1914	21	1,154	1,318	477	867	1,742
	1909	24	1,123	858	404	746	1,565
	1904	21	1,009	796	305	360	900
Canning and preserving.	1914	[3] 84	3,096	4,476	1,264	7,539	14,950
	1909	83	2,753	3,474	947	4,665	9,484
	1904	89	2,215	2,894	762	4,033	8,065
Carpets and rugs, other than rag.	1914	63	9,569	13,586	4,798	14,466	23,100
	1909	93	11,510	13,073	5,169	14,648	24,879
	1904	102	13,716	11,871	5,829	16,706	27,120
Carriages and wagons and materials.	1914	687	6,370	10,906	3,780	5,442	12,262
	1909	655	7,498	11,544	3,861	5,707	12,748
	1904	656	7,461	9,197	3,647	4,902	11,493
Cars and general shop construction and repairs by electric-railroad companies.	1914	92	2,972	4,782	$2,070	$1,143	$3,421
	1909	65	2,442	4,370	1,477	1,094	2,747
	1904	9	1,176	40	687	483	1,259
Cars and general shop construction and repairs by steam-railroad companies.	1914	163	54,729	77,885	38,863	49,157	93,608
	1909	132	46,645	56,774	30,157	41,401	76,035
	1904	128	41,838	32,157	25,517	32,361	61,021
Cars, steam-railroad, not including operations of railroad companies.	1914	12	9,955	26,462	6,635	29,377	39,831
	1909	13	7,766	31,732	4,819	19,002	27,510
	1904	9	5,461	13,842	3,061	13,821	19,428
Cement	1914	26	7,910	132,894	4,428	15,827	29,081
	1909	27	8,080	102,904	3,875	10,108	18,855
	1904	22	6,509	39,174	2,988	4,360	10,234
Chemicals	1914	39	4,748	16,570	2,928	12,615	22,388
	1909	37	3,185	9,771	1,892	10,200	15,978
	1904	41	3,373	10,662	1,892	7,265	11,774
Chocolate and cocoa products.	1914	7	1,756	7,607	739	7,546	12,342
	1909	6	863	2,885	324	2,955	4,811
	1904	4	351	865	121	1,390	2,134
Clocks and watches, including cases and materials.	1914	7	721	177	402	452	1,398
	1909	8	1,395	1,033	728	1,172	2,873
	1904	[1] 6	798	596	373	814	1,549
Clothing, men's, including shirts.	1914	699	21,126	6,578	8,390	20,365	40,370
	1909	696	23,623	5,288	8,992	19,863	39,682
	1904	451	17,574	4,198	5,853	16,617	31,714
Clothing, women's	1914	483	17,217	3,108	8,091	20,342	37,059
	1909	401	15,701	2,514	7,140	18,156	32,837
	1904	223	8,690	1,585	3,427	7,903	15,086
Coffee and spice, roasting and grinding.	1914	77	586	2,117	302	5,009	6,967
	1909	84	407	1,565	207	4,361	5,689
	1904	50	401	935	215	1,822	2,697
Coffins, burial cases, and undertakers' goods.	1914	32	1,382	2,066	724	2,005	3,672
	1909	36	1,103	1,447	514	1,575	2,757
	1904	24	868	1,137	427	1,005	1,989
Coke, not including gas-house coke.	1914	108	9,871	36,213	6,635	29,820	42,996
	1909	146	15,331	26,091	8,436	33,762	51,816
	1904	110	10,154	44,478	5,173	14,979	28,924
Confectionery	1914	281	6,465	6,811	2,307	10,099	16,668
	1909	251	5,408	3,869	1,760	8,203	13,542
	1904	150	4,729	3,603	1,400	5,881	10,073
Cooperage and wooden goods, not elsewhere specified.	1914	125	1,643	4,213	863	3,434	5,160
	1909	133	1,630	3,681	756	2,989	4,630
	1904	129	1,496	2,970	720	2,419	3,973
Copper, tin, and sheet-iron products.	1914	[4] 431	6,818	5,989	3,826	9,151	16,686
	1909	339	6,815	8,245	3,444	8,851	17,197
	1904	205	5,021	2,535	2,523	4,949	9,687
Cordage and twine and jute goods.	1914	28	2,678	7,128	1,071	5,057	6,776
	1909	18	2,119	4,630	685	3,001	4,805
	1904	20	2,232	4,344	666	3,648	5,138
Cork, cutting	1914	10	1,787	2,841	824	2,094	3,722
	1909	10	1,727	2,045	535	1,669	2,965
	1904	13	2,026	1,989	620	1,802	3,176
Corsets	1914	10	803	159	275	406	1,974
	1909	6	433	85	136	277	724
	1904	4	89	13	23	39	81
Cotton goods, including cotton small wares.	1914	[5] 155	14,640	23,411	6,676	17,564	32,400
	1909	175	16,293	24,589	7,034	18,757	33,917
	1904	165	15,263	22,611	5,943	14,322	26,300

[1] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[2] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[3] Includes "canning and preserving, fruits and vegetables" and "pickles, preserves, and sauces."
[4] Includes "stamped and enameled ware, not elsewhere specified" and "tinware, not elsewhere specified."
[5] Includes "cotton lace."

TABLE 58.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
Cutlery and tools, not elsewhere specified.	1914	101	3,504	9,194	$1,888	$2,904	$6,486
	1909	129	4,250	11,311	2,280	3,431	8,022
	1904	102	3,735	13,416	1,735	2,094	5,819
Dairymen's, poultrymen's, and apiarists' supplies.	1914	15	581	964	358	386	1,329
	1909	13	650	465	345	440	1,712
	1904	11	55	138	24	56	140
Dental goods	1914	45	1,645	443	695	2,177	4,362
	1909	23	1,072	427	464	1,325	2,745
	1904	20	887	339	368	1,410	2,337
Dyeing and finishing textiles.	1914	150	6,389	14,685	3,469	8,456	15,452
	1909	135	6,086	13,560	2,988	5,331	12,059
	1904	123	4,585	9,712	2,076	2,701	6,786
Dyestuffs and extracts	1914	9	265	3,113	182	1,158	1,569
	1909	14	369	3,516	187	1,373	2,345
	1904	8	203	2,731	105	629	966
Electrical machinery, apparatus, and supplies.	1914	105	14,866	36,537	8,737	17,240	44,396
	1909	84	11,025	33,829	6,237	13,535	31,351
	1904	80	9,404	29,238	5,300	11,365	26,258
Explosives	1914	33	1,037	5,831	716	4,107	6,003
	1909	27	1,033	4,594	630	4,088	6,388
	1904	40	897	5,699	527	2,516	4,013
Fancy articles, not elsewhere specified.	1914	[1] 41	770	355	319	652	1,399
	1909	52	828	498	322	592	1,385
	1904	44	675	358	206	366	894
Fertilizers	1914	47	1,110	4,647	608	4,170	6,178
	1909	48	1,224	5,174	575	4,613	6,543
	1904	43	958	4,551	447	2,891	4,095
Files	1914	7	1,315	1,694	583	401	1,495
	1909	7	1,217	1,313	528	427	1,540
	1904	8	953	1,082	390	395	1,127
Flour-mill and gristmill products.	1914	1,265	2,595	61,790	1,424	37,097	43,626
	1909	1,450	2,432	69,212	1,188	38,170	44,783
	1904	1,195	2,632	61,538	1,247	33,205	38,519
Food preparations, not elsewhere specified.	1914	131	1,512	3,490	789	4,810	7,291
	1909	128	1,185	2,685	541	3,005	4,864
	1904	78	879	1,540	344	1,797	3,184
Foundry and machine-shop products.	[2] 1914	1,887	91,820	199,364	58,771	108,989	233,616
	1909	1,695	86,821	162,414	51,366	101,011	210,746
	1904	1,415	75,581	127,846	40,664	69,036	153,393
Fur goods	1914	63	212	45	149	523	1,043
	1909	58	227	14	160	544	1,217
	1904	27	190	5	110	373	718
Furnishing goods, men's	1914	[3] 80	2,138	731	686	3,149	4,975
	1909	72	1,487	254	556	2,874	4,565
	1904	43	1,457	182	478	1,973	3,170
Furniture and refrigerators.	1914	324	12,088	21,272	6,640	11,770	25,155
	1909	304	9,924	17,211	4,829	9,039	18,952
	1904	229	8,047	12,292	3,608	5,439	12,776
Gas and electric fixtures and lamps and reflectors.	1914	61	1,327	1,148	787	1,333	2,864
	1909	75	1,482	1,249	765	1,239	2,962
	1904	60	1,348	783	703	835	2,543
Gas, illuminating and heating.	1914	99	2,796	12,552	1,420	6,440	16,745
	1909	99	3,119	9,374	1,501	4,099	15,840
	1904	90	2,882	6,582	1,478	3,143	10,809
Glass	1914	103	23,606	61,399	15,214	15,542	39,798
	1909	112	23,710	55,182	13,436	12,634	32,818
	1904	122	20,794	47,750	12,518	9,325	27,672
Glass, cutting, staining, and ornamenting.	1914	104	2,002	1,368	949	1,687	3,444
	1909	106	2,121	1,425	1,019	1,752	3,729
	1904	90	1,927	1,306	864	1,358	3,064
Glue, not elsewhere specified.	1914	8	519	1,628	290	1,418	2,029
	1909	6	506	1,951	221	1,489	2,048
	1904	7	634	3,933	301	1,431	1,999
Grease and tallow, not including lubricating greases.	1914	50	590	1,795	358	2,332	3,130
	1909	51	502	1,542	265	2,228	3,332
	1904	39	395	1,353	203	1,737	2,593
Hats and caps, other than felt, straw, and wool.	1914	66	756	113	$446	$861	$1,759
	1909	53	744	163	273	543	1,097
	1904	43	684	149	264	526	1,063
Hats, fur-felt	1914	27	6,714	6,241	3,934	3,889	11,041
	1909	38	7,220	5,335	3,725	5,013	13,023
	1904	25	4,619	2,745	2,122	2,729	7,350
Hats, straw	1914	9	343	74	162	649	1,011
	1909	9	460	85	214	403	872
	1904	7	267	57	112	237	555
Hosiery and knit goods.	1914	498	41,130	23,861	15,382	37,756	64,153
	1909	464	38,206	21,797	11,750	27,218	49,658
	1904	377	28,171	14,749	7,961	16,038	30,812
House-furnishing goods, not elsewhere specified.	1914	32	569	639	207	1,294	1,882
	1909	24	560	612	160	1,047	1,569
	1904	27	504	681	150	720	1,243
Ice, manufactured	1914	189	2,124	43,937	1,289	1,453	5,194
	1909	170	1,606	35,890	1,023	1,225	4,823
	1904	109	1,236	23,576	732	711	2,936
Ink, printing	1914	9	151	341	106	823	1,052
	1909	8	165	483	105	623	1,050
	1904	8	99	443	73	403	684
Instruments, professional and scientific.	1914	57	796	808	461	391	1,654
	1909	39	635	751	380	262	1,039
	1904	38	779	593	444	320	1,118
Iron and steel, blast furnaces.	1914	52	11,518	477,588	9,337	115,501	135,806
	1909	66	14,521	476,680	9,457	142,074	168,578
	1904	65	13,867	304,154	7,764	86,322	107,455
Iron and steel, steel works and rolling mills.	1914	178	131,955	1,270,642	96,926	285,382	448,106
	1909	189	126,911	896,440	85,113	329,013	500,344
	1904	186	110,904	820,823	65,306	237,875	363,774
Iron and steel, bolts, nuts, washers, and rivets.	1914	25	2,547	8,796	1,241	4,145	6,562
	1909	22	2,161	5,295	1,030	3,083	5,118
	1904	23	1,768	3,713	709	1,864	3,117
Iron and steel forgings	1914	43	2,205	9,008	1,356	2,713	5,167
	1909	38	2,312	10,145	1,372	3,147	5,855
	1904	36	1,568	.....	928	1,749	3,326
Iron and steel, wrought pipe.	1914	12	3,990	10,067	2,544	13,502	17,777
	1909	11	3,873	12,472	2,177	14,022	18,291
	1904	11	3,048	8,277	1,340	7,172	9,621
Jewelry	1914	117	549	319	382	820	1,693
	1909	75	456	160	292	597	1,275
	1904	43	492	164	296	483	1,040
Labels and tags	1914	16	445	206	219	534	1,018
	1909	16	381	354	193	362	818
	1904	7	132	56	42	126	218
Lead, bar, pipe, and sheet.	1914	4	58	537	39	882	1,006
	1909	4	46	326	31	706	845
	1904	4	133	434	92	876	1,089
Leather goods	1914	[4] 280	2,738	1,264	1,356	3,489	6,758
	1909	156	2,524	1,107	1,137	3,153	5,824
	1904	[5] 134	2,522	900	1,061	2,643	5,153
Leather, tanned, curried, and finished.	1914	120	11,988	39,964	6,492	68,309	85,253
	1909	163	14,008	37,440	6,801	59,113	77,926
	1904	205	14,413	31,075	6,418	55,412	69,428
Lime	1914	265	3,128	8,725	1,404	1,393	3,948
	1909	348	3,258	8,682	1,259	1,038	3,342
	1904	124	2,366	4,996	892	764	2,515
Liquors, distilled	1914	71	771	7,218	422	3,544	15,951
	1909	88	724	7,578	411	3,112	14,367
	1904	85	547	5,585	294	2,288	4,902
Liquors, malt	1914	215	7,512	58,147	6,321	15,703	50,363
	1909	237	7,234	54,360	5,453	12,610	47,713
	1904	225	5,864	40,519	4,072	9,277	34,864
Lumber and timber products.	1914	[6] 2,348	21,297	98,878	11,614	24,258	49,949
	1909	2,667	26,873	113,412	13,558	27,314	57,454
	1904	1,866	27,140	93,228	13,520	24,286	56,713

[1] Includes "combs and hairpins, not made from metal or rubber" and "ivory, shell, and bone work, not including combs and hairpins."
[2] Includes "automobile repairing"; "engines, steam, gas, and water;" "gas machines and gas and water meters"; "hardware"; "hardware, saddlery"; "iron and steel, cast-iron pipe"; "plumbers' supplies, not elsewhere specified"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; and "structural ironwork, not made in steel works or rolling mills."
[3] Includes "collars and cuffs, men's" and "suspenders, garters, and elastic woven goods."
[4] Includes "pocketbooks," "saddlery and harness," and "trunks and valises."
[5] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[6] Includes "boxes, wooden packing"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "window and door screens and weather strips."

TABLE 58.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
Marble and stone work..	1914	602	7,166	27,179	$4,137	$3,821	$10,631
	1909	596	9,264	29,037	4,860	3,720	11,570
	1904	255	4,614	11,171	2,611	2,032	6,710
Mattresses and spring beds.	1914	74	986	1,746	542	1,740	3,063
	1909	83	745	1,102	361	1,333	2,223
	1904	65	750	1,143	345	1,110	2,002
Millinery and lace goods.	1914	114	3,585	934	1,452	2,880	6,273
	1909	105	4,235	841	1,327	3,754	6,770
	1904	53	2,089	1,135	645	1,483	2,759
Mineral and soda waters	1914	482	1,151	1,901	711	2,230	5,079
	1909	485	968	1,851	512	1,411	4,026
	1904	364	909	1,073	410	954	2,807
Minerals and earths, ground.	1914	56	822	8,930	427	1,134	2,281
	1909	16	612	2,310	208	287	759
	1904	24	330	2,123	132	263	620
Musical instruments, pianos and organs and materials.	1914	28	922	1,233	555	1,058	2,084
	1909	30	1,182	1,260	505	1,248	2,382
	1904	[1] 28	1,008	877	525	646	1,757
Oil, not elsewhere specified.	1914	38	477	2,213	333	7,538	12,273
	1909	37	386	1,944	242	6,361	10,365
	1904	28	252	2,025	150	4,792	10,117
Optical goods.....	1914	37	854	370	377	801	2,023
	1909	24	579	292	219	461	1,063
	1904	18	352	184	120	155	471
Paint and varnish.....	1914	114	2,643	11,691	1,591	10,400	16,005
	1909	114	1,992	9,862	1,102	9,201	14,020
	1904	98	1,819	7,714	928	8,065	11,637
Paper and wood pulp...	1914	53	7,447	75,305	3,483	16,047	25,439
	1909	62	6,656	66,910	3,303	11,398	19,873
	1904	65	5,906	54,837	2,839	8,510	15,411
Paper goods, not elsewhere specified.	1914	[2] 32	1,408	1,443	626	2,685	4,558
	1909	34	1,357	1,348	538	2,225	3,719
	1904	[1] 28	627	549	240	985	1,662
Patent medicines and compounds and druggists' preparations.	1914	[3] 324	2,833	2,495	1,233	6,474	14,721
	1909	367	2,761	2,619	1,145	5,310	12,656
	1904	243	2,325	1,402	824	4,087	9,460
Peanuts, grading, roasting, cleaning, and shelling.	1914	7	234	176	82	870	1,103
	1909	5	80	83	24	580	693
Petroleum, refining....	1914	48	4,902	37,522	3,219	44,384	52,875
	1909	41	2,900	35,212	1,861	47,440	53,088
	1904	43	4,227	11,609	2,371	38,922	47,460
Photo-engraving.....	1914	29	630	314	668	282	1,509
	1909	31	489	197	446	231	1,132
	1904	23	443	168	301	128	802
Printing and publishing	1914	[4] 2,538	26,909	35,659	17,701	27,478	84,977
	1909	2,461	24,696	25,839	14,335	22,753	70,584
	1904	2,162	22,328	20,029	12,093	16,074	55,063
Roofing materials.....	1914	17	566	3,205	339	2,928	4,602
	1909	17	610	1,420	300	2,203	3,342
Rubber goods, not elsewhere specified.	1914	19	3,172	8,970	1,744	7,299	12,177
	1909	13	1,205	5,300	566	3,242	4,686
	1904	13	751	2,365	366	1,313	2,220
Safes and vaults.....	1914	8	759	1,844	420	757	1,659
	1909	7	695	1,163	391	643	1,338
	1904	7	762	891	414	542	1,344
Scales and balances....	1914	6	375	517	245	493	1,102
	1909	5	238	329	137	375	732
	1904	4	206	568	119	107	521
Shipbuilding, including boat building.	1914	33	4,773	9,694	3,411	4,797	9,540
	1909	31	3,558	7,771	2,120	2,710	6,178
	1904	33	6,511	8,583	3,473	5,180	10,327
Signs and advertising novelties.	1914	52	780	680	450	915	2,083
	1909	26	487	608	201	782	1,525
Silk goods, including throwsters.	1914	284	44,755	48,915	$16,312	$48,795	$86,939
	1909	226	36,469	41,962	11,443	35,166	62,061
	1904	168	26,915	28,390	6,973	24,267	39,334
Slaughtering and meat packing.	1914	[5] 166	3,687	12,229	2,528	58,273	65,981
	1909	180	3,050	12,139	1,987	44,845	51,851
	1904	177	2,528	7,366	1,518	28,340	33,101
Smelting and refining, not from the ore.	1914	15	177	503	121	3,318	3,612
	1909	24	206	566	143	2,978	3,577
	1904	18	240	419	150	2,280	2,755
Soap.....	1914	50	1,159	2,554	657	6,601	10,098
	1909	59	1,197	2,598	556	5,947	9,124
	1904	60	1,184	2,152	499	4,054	6,959
Springs, steel, car and carriage, not made in steel works or rolling mills.	1914	17	749	2,161	451	1,419	2,458
	1909	13	1,080	2,514	591	2,192	3,715
	1904	11	654	1,970	373	1,126	2,285
Stationery goods, not elsewhere specified.	1914	16	697	922	305	1,056	2,118
	1909	12	417	939	141	620	1,169
	1904	16	476	948	139	583	1,020
Steam packing.....	1914	34	1,637	6,789	905	2,705	5,003
	1909	31	1,677	5,817	814	2,981	4,987
	1904	24	1,197	4,794	533	1,680	4,059
Stoves and furnaces, including gas and oil stoves.	1914	77	4,111	4,772	2,635	2,948	8,040
	1909	74	4,198	4,675	2,465	2,472	7,409
	1904	78	4,681	3,953	2,723	2,302	7,696
Sulphuric, nitric, and mixed acids.	1914	6	274	6,993	236	500	1,158
	1909	6	132	286	87	328	624
	1904	5	155	216	85	266	561
Tin plate and terneplate.	1914	13	2,368	4,259	1,785	31,934	36,796
	1909	17	2,346	1,565	1,339	22,898	25,234
	1904	19	2,421	5,805	1,207	17,590	19,342
Tobacco manufactures..	1914	2,194	37,370	3,362	13,440	24,154	54,213
	1909	2,432	33,188	2,638	11,620	20,713	50,161
	1904	2,808	30,748	1,714	10,438	15,937	40,897
Toys and games.....	1914	36	1,170	1,521	498	624	1,769
	1909	23	714	743	266	284	847
	1904	14	696	698	231	219	630
Umbrellas and canes...	1914	45	2,141	1,747	915	2,963	4,470
	1909	45	2,315	1,570	906	3,148	5,060
	1904	37	2,736	1,501	842	3,319	5,133
Upholstering materials, not elsewhere specified.	1914	16	398	1,078	208	1,001	1,458
	1909	23	437	1,186	198	1,344	2,037
	1904	24	696	1,432	293	1,594	2,399
Wall paper, not made in paper mills.	1914	12	1,287	1,813	683	2,585	4,153
	1909	11	1,056	1,371	520	2,309	3,695
	1904	12	963	1,044	454	1,777	3,023
Wall plaster.....	1914	21	226	1,333	125	656	1,048
	1909	23	232	1,413	111	402	725
	1904	18	232	915	130	340	753
Wirework, including wire rope and cable,	1914	59	1,179	2,847	539	2,056	3,409
	1909	64	968	2,435	435	1,837	3,070
	1904	68	1,342	2,214	569	2,265	3,512
Wood distillation, not including turpentine and rosin.	1914	46	1,185	2,514	682	2,218	3,417
	1909	50	933	1,749	522	1,684	2,960
	1904	63	1,249	2,297	598	1,709	3,093
Wood, turned and carved.	1914	75	1,085	3,016	521	674	1,585
	1909	94	1,343	3,624	532	713	1,791
	1904	84	1,359	3,517	516	563	1,469
Woolen, worsted, and felt goods, and wool hats.	1914	203	24,461	44,646	10,968	44,482	64,409
	1909	217	27,409	50,405	10,947	54,634	77,447
	1904	232	24,251	39,682	8,791	37,247	55,934
All other.....	1914	1,862	42,039	133,203	23,460	114,387	171,167
	1909	1,386	34,957	73,244	18,835	87,363	130,513
	1904	1,328	40,967	78,625	20,746	78,494	124,517

[1] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[2] Includes "cardboard, not made in paper mills" and "envelopes."
[3] Includes "perfumery and cosmetics."
[4] Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing;" and "lithographing."
[5] Includes "sausage."

TABLE 58.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
ALLENTOWN—All industries.	1914	297	13,685	22,219	$6,501	$20,705	$33,918
	1909	274	11,481	19,101	5,061	15,581	26,263
	1904	257	8,984	.....	3,312	9,873	16,841
Boots and shoes	1914	12	820	504	335	1,007	1,578
	1909	9	724	365	297	762	1,302
	1904	10	716	.....	251	691	1,126
Bread and other bakery products.	1914	33	180	139	103	366	559
	1909	32	146	82	77	276	475
	1904	28	130	.....	62	192	348
Brick	1914	4	131	265	60	56	179
	1909	6	141	335	56	37	175
	1904	5	102	.....	37	21	101
Carriages and wagons and materials.	1914	6	32	33	18	9	43
	1909	4	30	33	18	26	61
	1904	[1] 5	31	.....	18	14	52
Clothing, men's	1914	4	146	13	57	218	397
	1909	5	169	14	64	130	252
	1904	6	227	.....	85	247	429
Copper, tin, and sheet-iron work.	1914	3	53	18	46	61	122
	1909	3	46	23	25	40	83
	1904	3	65	.....	27	59	118
Foundry and machine-shop products.	1914	[2] 25	1,012	1,486	594	670	1,723
	1909	23	851	1,286	400	769	1,632
	1904	20	805	.....	356	451	1,202
Furniture	1914	8	644	838	302	300	782
	1909	7	529	646	252	205	733
	1904	9	442	.....	182	149	481
Hosiery and knit goods.	1914	6	275	206	87	268	421
	1909	8	572	423	147	457	717
	1904	7	400	.....	108	285	465
Leather goods	1914	4	15	2	9	12	30
	1909	3	18	1	10	18	44
	1904	3	25	.....	13	24	63
Liquors, malt	1914	4	135	767	101	402	830
	1909	4	103	501	63	193	657
	1904	4	46	.....	36	110	434
Lumber and timber products.	1914	[3] 7	128	612	81	172	309
	1909	10	137	629	80	157	319
	1904	7	114	.....	59	107	211
Marble and stone work	1914	4	31	39	21	40	76
	1909	4	17	18	10	13	32
	1904	3	11	.....	7	6	19
Printing and publishing	1914	[4] 35	306	389	146	157	491
	1909	28	190	147	93	101	339
	1904	[5] 26	139	.....	62	61	230
Silk goods, including throwsters.	1914	22	4,416	3,304	1,970	6,118	10,210
	1909	15	3,778	2,808	1,484	4,299	7,456
	1904	9	2,711	.....	826	2,230	3,901
Tobacco, cigars	1914	33	1,890	307	621	1,174	2,695
	1909	47	1,104	152	439	682	1,446
	1904	56	992	.....	305	593	1,290
All other industries	1914	87	3,471	13,297	1,950	9,675	13,473
	1909	66	2,926	11,638	1,546	7,416	10,540
	1904	56	2,028	.....	878	4,633	6,371
ALTOONA—All industries.	1914	70	10,732	7,682	6,915	13,753	22,593
	1909	44	8,409	9,158	5,750	9,134	16,763
	1904	73	9,540	.....	5,564	7,248	14,350
Bread and other bakery products.	1914	23	118	118	66	224	375
	1909	11	45	55	22	68	122
	1904	15	39	.....	17	67	115
Liquors, malt	1914	3	93	652	52	98	337
	1909	3	96	730	42	238	526
	1904	3	59	.....	45	87	323
ALTOONA—Contd. Lumber, planing-mill products.	1914	3	103	177	$58	$246	$385
	1909	3	88	186	44	113	250
	1904	5	187	.....	102	298	476
Printing and publishing	1914	10	185	252	140	102	358
	1909	10	154	177	87	81	260
	1904	9	92	.....	51	46	159
All other industries	1914	31	10,233	6,483	6,599	13,083	21,138
	1909	17	8,026	8,010	5,555	8,634	15,605
	1904	41	9,163	.....	5,349	6,750	13,277
ERIE—All industries.	1914	363	11,016	26,852	6,736	16,095	29,447
	1909	[6] 390	9,619	21,758	4,991	11,934	23,812
	1904	261	8,415	.....	4,363	9,427	18,639
Brass and copper products.	1914	6	75	392	45	184	257
	1909	4	45	80	25	72	127
	1904	5	52	.....	33	58	107
Bread and other bakery products.	1914	42	259	166	160	458	746
	1909	48	150	117	91	364	561
	1904	28	121	.....	53	190	311
Carriages and wagons and materials.	1914	5	49	38	31	30	84
	1909	4	26	41	15	21	51
	1904	3	19	.....	9	16	37
Copper, tin, and sheet-iron products.	1914	[7] 14	103	95	79	103	236
	1909	10	124	163	65	111	216
	1904	[5] 6	68	.....	35	55	126
Flour-mill and gristmill products.	1914	5	36	842	24	1,357	1,470
	1909	4	32	540	18	764	843
	1904	3	42	.....	13	1,359	1,444
Foundry and machine-shop products.	1914	[8] 66	4,407	10,567	2,805	3,625	8,830
	1909	68	4,395	8,346	2,389	3,386	8,301
	1904	43	4,036	.....	2,180	3,085	7,319
Liquors, malt	1914	3	135	858	90	318	1,102
	1909	3	123	373	90	212	926
	1904	4	131	.....	94	167	882
Lumber and timber products.	1914	13	260	1,312	207	696	1,033
	1909	16	312	896	175	610	964
	1904	11	298	.....	148	442	731
Marble and stone work.	1914	6	13	15	11	29	53
	1909	6	13	24	12	55	99
	1904	5	20	.....	16	34	65
Musical instruments, organs and organ materials.	1914	3	98	132	62	107	209
	1909	4	100	190	64	104	237
	1904	3	113	.....	77	52	210
Printing and publishing.	1914	[9] 30	462	519	268	292	887
	1909	23	409	610	182	250	829
	1904	[5] 20	423	.....	230	250	694
Slaughtering and meat packing.	1914	6	79	254	61	1,161	1,273
	1909	6	54	159	31	740	957
	1904	3	17	.....	10	339	433
Stoves and furnaces, including gas and oil stoves.	1914	5	429	404	267	293	804
	1909	8	531	468	324	249	843
	1904	6	457	.....	264	270	774
Tobacco, cigars	1914	24	87	.....	57	69	173
	1909	23	68	.....	41	63	157
	1904	29	92	.....	45	63	168
All other industries	1914	135	4,524	11,258	2,569	7,373	12,290
	1909	163	3,237	9,751	1,469	4,933	8,701
	1904	92	2,526	.....	1,156	3,047	5,338

[1] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[2] Includes "automobile repairing;" "engines, steam, gas, and water;" "hardware;" "plumber's 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."
[3] Includes "boxes, wooden packing, except cigar boxes;" "lumber planing-mill products, not including planing mills connected with sawmills;" and "window and door screens."
[4] Includes "bookbinding and blank-book making."
[5] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[6] Figures do not agree with those published because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.
[7] Includes "stamped ware."
[8] Includes "automobile repairing;" "engines, steam, gas, and water;" "hardware;" "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."
[9] Includes "engraving, steel and copper plate, including plate printing," and "lithographing."

TABLE 58.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
HARRISBURG—All industries.	1914	219	7,966	24,216	$4,457	$10,605	$18,872
	1909	199	9,743	22,355	4,541	14,083	[1] 22,665
	1904	175	7,955	.....	3,673	10,327	16,571
Bread and other bakery products.	1914	38	205	206	124	458	794
	1909	39	185	143	91	362	601
	1904	40	129	.....	60	226	372
Carriages and wagons and materials.	1914	5	31	41	18	25	63
	1909	7	50	67	29	37	92
	1904	5	54	.....	29	23	75
Foundry and machine-shop products.	1914	[2] 11	419	1,131	238	253	750
	1909	8	394	529	205	209	610
	1904	4	565	.....	283	316	954
Iron and steel, steel works and rolling mills.	1914	3	1,035	17,106	743	2,966	4,028
	1909	5	2,136	15,937	964	6,157	7,621
	1904	4	2,049	.....	871	3,562	4,529
Liquors, malt	1914	3	82	684	55	138	368
	1909	3	57	347	37	105	361
	1904	3	41	.....	25	64	248
Patent medicines and compounds and druggists' preparations.	1914	13	18	9	7	43	73
	1909	11	14	2	5	25	57
	1904	5	3	.....	(3)	15	25
Printing and publishing.	1914	23	519	632	314	345	1,036
	1909	30	483	460	267	264	954
	1904	28	437	.....	229	152	846
Tobacco, cigars	1914	17	1,036	108	306	561	1,106
	1909	20	1,580	73	497	682	1,762
	1904	23	874	.....	308	494	1,258
All other industries	1914	106	4,621	4,299	2,652	5,816	10,654
	1909	76	4,844	4,797	2,446	6,242	10,607
	1904	63	3,803	.....	1,868	5,475	8,264
JOHNSTOWN—All industries.	1914	136	12,177	116,466	8,685	34,441	50,974
	1909	[4] 96	10,233	116,713	6,094	31,424	46,774
	1904	82	6,914	.....	3,865	19,755	28,892
Bread and other bakery products.	1914	17	125	160	65	231	398
	1909	11	61	84	35	146	219
	1904	9	42	.....	25	75	127
Copper, tin, and sheet-iron products.	1914	[5] 7	58	76	33	68	132
	1909	5	64	90	34	57	138
	1904	3	20	.....	14	22	47
Liquors, malt	1914	4	137	1,089	96	247	893
	1909	4	139	1,020	91	186	808
	1904	3	100	.....	64	110	508
Lumber and timber products.	1914	[6] 10	104	918	70	207	341
	1909	8	59	510	43	99	195
	1904	[7] 5	40	.....	33	83	142
Printing and publishing	1914	15	172	147	121	139	387
	1909	11	132	121	87	74	281
	1904	8	82	.....	56	45	188
All other industries	1914	83	11,581	114,076	8,300	33,549	48,823
	1909	57	9,778	114,888	5,804	30,862	45,133
	1904	54	6,630	.....	3,673	19,420	27,880
PHILADELPHIA—All industries.	1914	8,454	251,286	465,678	138,249	451,197	784,500
	1909	[8] 8,375	251,294	365,708	126,049	427,850	743,720
	1904	7,087	228,899	.....	107,640	333,352	591,388
Automobiles, including bodies and parts.	1914	30	882	1,574	673	1,102	2,425
	1909	18	213	202	166	317	610
Belting, leather	1914	11	157	252	108	1,098	1,507
	1909	13	119	286	81	809	1,104
	1904	10	96	.....	63	424	642
Boots and shoes, including findings.	1914	53	4,023	1,646	2,383	4,375	8,864
	1909	58	3,466	872	1,594	3,703	6,517
	1904	53	3,034	.....	1,321	2,943	5,386
PHILADELPHIA—Continued. Boxes, cigar	1914	5	73	59	$32	$53	$110
	1909	7	320	362	125	323	543
	1904	7	291	.....	90	203	394
Boxes, fancy and paper.	1914	70	3,640	1,401	1,333	2,050	4,670
	1909	65	3,379	1,382	1,113	1,631	3,822
	1904	54	3,200	.....	959	1,268	3,037
Brass, bronze, and copper products.	1914	46	860	1,677	573	2,844	3,936
	1909	49	1,042	1,651	625	2,518	4,057
	1904	[9] 45	697	.....	394	1,396	2,428
Bread and other bakery products.	1914	1,053	5,514	4,820	3,244	12,924	21,809
	1909	1,208	4,598	4,159	2,592	11,650	19,018
	1904	1,198	4,627	.....	2,386	8,344	14,440
Brick and tile, terra-cotta, and fire-clay products.	1914	34	1,417	3,204	769	661	1,963
	1909	44	1,954	3,518	1,131	689	2,708
	1904	45	1,936	.....	1,091	499	2,347
Brooms	1914	20	80	61	52	128	219
	1909	22	150	68	93	229	413
Brushes, other than toilet.	1914	28	231	133	124	381	711
	1909	37	259	187	130	385	719
Carpets and rugs, other than rag.	1914	59	8,368	10,956	4,294	12,741	20,587
	1909	84	10,363	11,435	4,722	13,375	22,629
	1904	91	12,618	.....	5,426	15,560	25,233
Carriages and wagons and materials.	1914	115	1,121	1,175	802	701	2,057
	1909	90	1,316	1,100	839	901	2,458
	1904	102	1,426	.....	832	775	2,183
Cars and general shop construction and repairs by steam-railroad companies.	1914	10	3,917	9,970	3,117	3,107	6,547
	1909	10	3,669	2,256	2,527	2,416	5,318
	1904	8	3,369	.....	2,164	2,207	4,673
Chemicals	1914	15	1,933	5,145	1,150	8,137	11,445
	1909	16	1,753	4,875	1,046	6,519	9,643
	1904	23	1,870	.....	1,109	5,484	8,452
Clothing, men's, including shirts.	1914	450	9,879	2,388	5,181	14,821	29,153
	1909	456	12,215	2,472	5,962	14,488	29,001
	1904	256	8,577	.....	3,773	12,293	23,642
Clothing, women's	1914	434	15,201	2,429	7,482	18,712	34,143
	1909	351	13,500	1,955	6,574	16,666	30,133
	1904	183	7,018	.....	2,964	6,933	12,871
Coffee and spice, roasting and grinding.	1914	49	498	1,714	258	3,603	5,163
	1909	61	355	1,195	178	3,500	4,563
	1904	37	362	.....	197	1,600	2,399
Confectionery	1914	134	3,039	3,255	1,159	4,727	8,120
	1909	129	2,891	1,699	1,008	4,340	7,315
	1904	76	2,669	.....	832	3,356	5,557
Cooperage and wooden goods, not elsewhere specified.	1914	48	551	627	318	1,210	1,827
	1909	44	733	729	344	1,449	2,214
	1904	41	438	.....	242	1,038	1,673
Copper, tin, and sheet-iron products.	1914	[10] 155	2,983	2,107	1,762	3,964	7,570
	1909	134	2,939	2,074	1,559	4,331	7,493
	1904	85	3,104	.....	1,494	2,714	5,470
Cordage and twine and jute goods.	1914	14	1,799	4,324	777	3,689	4,875
	1909	8	1,163	2,250	429	2,135	3,325
	1904	12	1,284	.....	434	3,048	4,121
Cotton goods, including cotton small wares.	1914	[11] 120	8,238	12,787	4,052	9,782	19,383
	1909	136	9,734	14,160	4,411	12,316	22,303
	1904	129	9,445	.....	3,712	9,168	17,463
Cutlery and tools, not elsewhere specified.	1914	26	1,007	1,401	545	899	1,956
	1909	33	883	2,086	536	605	1,686
	1904	30	744	.....	376	495	1,301
Dyeing and finishing textiles.	1914	116	3,589	7,269	1,997	3,901	7,597
	1909	104	3,575	7,037	1,829	2,413	6,327
	1904	97	2,882	.....	1,366	1,671	4,371

[1] Figures do not agree with those published in 1909 because certain establishments revised their reports for that census.
[2] Includes "automobile repairing," and "engines, steam, gas, and water."
[3] Less than $500.
[4] 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.
[5] Includes "enameled ware."
[6] Includes "lumber, planing-mill products, not including planing mills connected with sawmills."
[7] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[8] Figures do not agree with those published, because it was necessary to revise them to exclude data for some establishments not located within the corporate limits of the city.
[9] Excludes statistics for three establishments, to avoid disclosure of individual operations.
[10] Includes "stamped ware" and "tinware."
[11] Includes "cotton lace."

TABLE 58.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
PHILADELPHIA—Continued.							
Electrical machinery, apparatus, and supplies.	1914	51	2,489	4,540	$1,393	$4,405	$8,869
	1909	45	1,759	2,693	923	3,241	7,065
	1904	40	1,536	.....	773	2,878	5,066
Fancy articles, not elsewhere specified.	1914	[1] 32	614	207	269	535	1,181
	1909	42	719	341	296	545	1,281
	1904	33	600	.....	181	324	772
Fertilizers	1914	6	756	2,290	414	3,080	4,380
	1909	6	764	3,020	375	3,054	4,268
	1904	5	580	.....	279	1,972	2,597
Flour-mill and gristmill products.	1914	18	125	1,267	83	2,233	2,871
	1909	28	89	1,116	53	2,624	2,877
	1904	14	95	.....	66	1,666	1,905
Food preparations	1914	64	881	1,641	500	3,149	4,630
	1909	66	817	1,531	402	2,013	3,331
	1904	45	574	.....	228	1,304	2,400
Foundry and machine-shop products.	1914	[2] 659	16,126	25,953	10,856	15,280	38,047
	1909	544	17,102	23,587	10,109	15,859	38,234
	1904	440	16,310	.....	9,291	12,853	32,955
Fur goods	1914	49	152	30	106	426	794
	1909	47	181	10	129	484	1,002
	1904	25	181	.....	105	360	677
Furniture and refrigerators.	1914	159	4,491	5,139	2,945	4,847	11,148
	1909	147	3,393	3,870	1,940	3,731	8,052
	1904	[3] 89	2,910	.....	1,577	2,187	5,452
Gas and electric fixtures and lamps and reflectors.	1914	36	886	563	537	931	2,003
	1909	41	1,096	879	604	813	2,177
	1904	39	1,146	.....	621	623	2,135
Glass	1914	3	920	350	530	399	1,148
	1909	4	1,112	419	559	498	1,367
	1904	5	1,313	.....	656	352	1,294
Hats and caps, other than felt, straw, and wool.	1914	52	586	72	368	745	1,484
	1909	42	464	51	188	413	803
	1904	30	432	.....	173	296	637
Hats, fur-felt	1914	17	5,863	5,222	3,634	3,262	9,914
	1909	27	5,825	4,163	3,101	3,563	10,402
	1904	16	3,560	.....	1,754	1,885	5,848
Hats, straw	1914	9	343	74	162	649	1,011
	1909	9	460	85	214	403	872
	1904	7	267	.....	112	237	555
Hosiery and knit goods.	1914	200	18,002	8,615	7,599	17,829	31,350
	1909	177	15,999	7,962	5,753	12,870	23,971
	1904	151	13,286	.....	4,291	7,817	15,825
Ice, manufactured	1914	34	627	14,457	382	558	1,844
	1909	31	535	11,703	375	524	1,663
	1904	32	407	.....	250	353	1,188
Ink, printing	1914	9	151	341	106	823	1,052
	1909	8	165	483	105	623	1,050
	1904	8	99	.....	73	403	684
Iron and steel, steel works and rolling mills.	1914	7	4,968	74,245	2,881	4,446	10,169
	1909	8	4,821	27,009	2,774	5,588	11,789
	1904	6	3,746	.....	2,003	3,742	7,095
Jewelry	1914	82	346	223	254	555	1,147
	1909	52	295	110	186	427	884
	1904	35	394	.....	241	398	854
Leather goods	1914	[4] 136	1,884	674	924	2,341	4,494
	1909	84	1,707	430	781	2,141	3,994
	1904	[5] 70	1,743	.....	727	1,937	3,671
Leather, tanned, curried, and finished.	1914	33	4,821	9,518	2,698	18,296	23,557
	1909	41	5,972	8,664	3,009	17,140	23,526
	1904	43	6,108	.....	2,800	17,732	23,903
Liquors, malt	1914	39	1,767	13,023	1,561	4,151	13,908
	1909	48	1,857	13,368	1,443	3,933	14,257
	1904	51	1,652	.....	1,351	3,441	12,315
PHILADELPHIA—Continued.							
Lumber and timber products.	1914	[6] 93	3,188	9,026	$1,906	$4,460	$7,775
	1909	98	3,248	7,872	1,812	4,453	7,703
	1904	75	2,416	.....	1,255	2,906	5,243
Marble and stone work	1914	80	869	2,199	673	1,110	2,321
	1909	98	1,619	2,662	1,089	1,432	3,464
	1904	71	1,228	.....	852	880	2,476
Mattresses and spring beds.	1914	34	394	589	226	747	1,268
	1909	38	309	471	138	657	1,069
	1904	33	348	.....	170	522	982
Millinery and lace goods	1914	93	2,199	493	990	1,907	4,023
	1909	90	2,770	370	956	2,773	5,052
	1904	42	1,451	.....	491	1,134	2,132
Oil, not elsewhere specified.	1914	18	270	1,138	172	2,589	3,422
	1909	12	141	483	82	1,449	1,935
	1904	11	92	.....	44	542	759
Optical goods	1914	26	378	156	206	405	1,188
	1909	14	291	110	123	273	621
	1904	10	210	.....	75	90	249
Paint and varnish	1914	53	1,524	5,566	925	6,261	9,655
	1909	50	1,197	4,027	689	5,194	8,045
	1904	47	1,054	.....	557	4,778	6,949
Paper and wood pulp	1914	6	1,437	12,510	761	2,949	5,034
	1909	7	1,301	10,645	629	2,352	4,122
	1904	6	1,089	.....	506	1,640	2,921
Paper goods, not elsewhere specified.	1914	[7] 27	1,319	1,180	579	2,488	4,195
	1909	31	1,311	1,213	518	2,161	3,597
	1904	25	620	.....	238	976	1,651
Patent medicines and compounds and druggists' preparations.	1914	[8] 146	2,077	1,714	897	4,753	10,855
	1909	174	2,140	2,012	897	4,087	9,423
	1904	108	1,923	.....	660	3,258	7,371
Photo-engraving	1914	14	480	218	531	222	1,172
	1909	16	397	105	381	185	917
	1904	12	287	.....	224	85	547
Pickles, preserves, and sauces.	1914	19	397	540	185	1,453	2,108
	1909	23	628	723	226	1,772	2,538
	1904	14	299	.....	123	553	887
Printing and publishing	1914	[9] 936	14,759	19,257	10,033	18,507	55,340
	1909	931	13,681	12,267	8,249	15,387	45,807
	1904	756	12,333	.....	6,821	10,772	35,205
Safes and vaults	1914	4	225	731	153	275	557
	1909	3	245	418	160	288	493
	1904	3	310	.....	186	193	491
Silk goods, including throwsters.	1914	32	3,391	2,658	1,583	4,232	8,237
	1909	32	3,056	2,156	1,235	3,472	6,502
	1904	31	2,681	.....	959	2,852	5,079
Slaughtering and meat packing.	1914	[10] 58	1,318	3,152	948	23,563	26,484
	1909	81	1,109	3,004	793	19,781	22,079
	1904	95	795	.....	510	11,295	12,022
Soap	1914	27	912	1,594	552	6,039	9,024
	1909	32	799	1,520	388	5,071	7,319
	1904	31	813	.....	350	3,349	5,770
Steam packing	1914	16	187	257	106	436	859
	1909	15	193	413	100	566	1,136
	1904	11	93	.....	45	215	407
Stoves and furnaces, including gas and oil stoves.	1914	21	725	776	447	813	1,818
	1909	20	649	891	444	702	1,850
	1904	17	918	.....	551	752	1,955
Tobacco manufactures.	1914	426	6,961	654	2,923	5,374	12,733
	1909	496	6,545	891	2,650	5,390	13,429
	1904	617	5,646	.....	2,296	3,279	8,655
Umbrellas and canes	1914	27	1,069	1,494	518	976	1,859
	1909	31	1,166	1,342	505	1,060	2,075
	1904	24	1,394	.....	495	1,321	2,288

[1] Includes "combs and hairpins not made from metal or rubber" and "ivory, shell, and bone work, not including combs and hairpins."
[2] Includes "automobile repairing;" "engines, steam, gas, and water;" "gas machines and gas and water meters;" "hardware;" "hardware, saddlery;" "plumbers' supplies, not elsewhere specified;" "pumps, steam and other power;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork, not made in steel works or rolling mills."
[3] Excludes statistics for six establishments, to avoid disclosure of individual operations.
[4] Includes "pocketbooks;" "saddlery and harness;" and "trunks and valises."
[5] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[6] Includes "boxes, wooden packing;" "lumber, planing-mill products, not including planing mills connected with sawmills;" and "window and door screens and weather strips."
[7] Includes "cardboard, not made in paper mills," and "envelopes."
[8] Includes "perfumery and cosmetics."
[9] Includes "bookbinding and blank-book making;" "engraving, steel and copper plate, including plate printing;" and "lithographing."
[10] Includes "sausage."

TABLE 58.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
PHILADELPHIA—Continued.							
Wall paper	1914	4	485	470	$261	$976	$1,455
	1909	4	454	525	196	1,047	1,732
	1904	6	471	.....	219	741	1,415
Woolen, worsted, and felt goods, and wool hats.	1914	129	17,051	28,966	7,891	31,221	45,980
	1909	131	19,177	33,428	7,996	37,869	54,922
	1904	[1] 130	16,822	.....	6,160	25,574	39,258
All other	1914	1,375	43,873	121,522	24,396	124,891	185,500
	1909	1,274	43,147	98,656	22,860	122,234	181,106
	1904	1,146	48,980	.....	25,076	111,466	169,865
PITTSBURGH—All industries.	1914	1,741	69,620	308,823	45,068	149,915	246,694
	1909	[2] 1,658	67,420	307,216	39,939	148,507	243,392
	1904	1,562	71,618	.....	39,805	124,581	211,259
Boxes and cartons, paper.	1914	6	213	188	76	148	308
	1909	7	214	165	62	86	215
	1904	[1] 5	169	.....	46	68	140
Brass, bronze, and copper products.	1914	12	481	1,640	320	2,503	3,176
	1909	12	629	2,756	379	2,373	3,188
	1904	15	527	.....	287	1,783	2,462
Bread and other bakery products.	1914	242	2,563	2,722	1,330	5,007	9,363
	1909	248	2,009	2,222	1,048	4,472	8,054
	1904	208	1,872	.....	933	3,525	6,302
Brick and tile, terra-cotta, and fire-clay products.	1914	15	835	3,450	346	347	1,008
	1909	20	727	3,464	353	368	1,062
	1904	[3] 27	829	.....	353	343	1,114
Brooms and brushes	1914	12	184	130	112	298	542
	1909	9	100	165	57	162	325
	1904	11	109	.....	58	143	374
Carriages, wagons, and repairs.	1914	42	280	697	216	200	569
	1909	28	298	726	216	227	582
	1904	37	432	.....	321	241	763
Cars and general shop construction and repairs by steam-railroad companies.	1914	5	4,926	4,050	3,752	4,992	9,707
	1909	7	4,313	9,898	3,052	4,967	8,556
	1904	8	4,585	.....	2,895	2,884	6,107
Chemicals	1914	4	52	632	46	313	434
	1909	[3] 3	48	260	32	392	531
	1904	[1] 3	58	.....	30	270	351
Clothing, men's, including shirts.	1914	34	900	236	414	1,075	1,970
	1909	24	866	340	342	1,122	1,950
	1904	18	787	.....	291	859	1,428
Clothing, women's	1914	6	59	18	29	58	121
	1909	5	60	13	24	80	134
	1904	11	174	.....	97	208	430
Confectionery	1914	16	907	802	336	1,991	2,859
	1909	16	613	549	210	1,282	1,853
	1904	[1] 10	325	.....	118	601	1,048
Cooperage and wooden goods, not elsewhere specified.	1914	8	129	114	61	297	420
	1909	12	168	144	94	349	567
	1904	[1] 15	172	.....	94	300	493
Copper, tin, and sheet-iron products.	1914	[4] 65	688	691	451	1,098	1,965
	1909	48	471	349	297	495	1,121
	1904	35	697	.....	404	896	1,618
Electrical machinery, apparatus, and supplies.	1914	21	1,161	1,402	674	2,212	3,970
	1909	13	862	1,640	433	1,843	3,324
	1904	[1] 12	537	.....	261	1,074	1,797
Foundry and machine-shop products.	1914	[5] 184	10,026	21,632	6,940	12,972	27,778
	1909	156	8,635	18,911	5,967	10,653	22,772
	1904	151	9,733	.....	5,728	9,382	20,757
Furniture and refrigerators.	1914	16	468	984	328	772	1,444
	1909	11	315	629	188	440	900
	1904	11	270	.....	176	192	587
Gas and electric fixtures and lamps and reflectors.	1914	8	267	428	176	255	559
	1909	16	233	212	95	262	467
	1904	[1] 4	107	.....	37	143	246
PITTSBURGH—Continued.							
Glass	1914	8	1,312	1,258	$891	$472	$1,816
	1909	9	1,171	915	608	449	1,443
	1904	11	1,908	.....	987	748	2,131
Ice, manufactured	1914	9	457	5,075	260	207	952
	1909	15	196	6,384	131	199	958
	1904	10	383	.....	227	146	815
Iron and steel, blast furnaces.	1914	4	1,379	38,642	1,180	14,020	16,982
	1909	6	1,383	50,768	1,053	16,038	20,668
	1904	[3] 4	1,439	.....	836	12,581	15,500
Iron and steel, steel works and rolling mills.	1914	25	19,414	170,508	13,282	40,203	61,008
	1909	25	23,560	156,512	14,455	55,887	82,307
	1904	25	25,745	.....	14,910	50,667	77,440
Jewelry	1914	11	101	37	73	107	261
	1909	6	77	19	55	88	183
	1904	4	68	.....	42	63	128
Leather goods	1914	[6] 13	138	55	76	168	335
	1909	12	124	79	64	136	260
	1904	9	103	.....	60	120	243
Leather, tanned, curried, and finished.	1914	3	144	355	90	993	1,098
	1909	6	244	846	139	914	1,162
	1904	6	408	.....	224	1,189	1,640
Liquors, malt	1914	10	840	6,292	710	1,767	5,200
	1909	12	873	6,591	686	1,267	5,420
	1904	11	742	.....	560	1,222	4,083
Lumber and timber products	1914	[7] 33	503	2,346	376	1,141	1,888
	1909	40	645	2,836	433	960	1,694
	1904	42	788	.....	543	1,165	2,231
Marble and stone work.	1914	23	124	621	94	94	279
	1909	25	285	709	194	248	598
	1904	16	219	.....	156	146	443
Mattresses and spring beds.	1914	8	286	478	161	498	934
	1909	6	223	261	124	337	590
	1904	[3] 4	124	.....	60	183	335
Paint and varnish	1914	14	196	1,173	115	1,228	1,872
	1909	16	252	1,760	138	1,740	2,419
	1904	15	291	.....	143	1,514	2,127
Patent medicines and compounds and druggists' preparations.	1914	[8] 33	101	123	56	378	929
	1909	31	114	263	51	313	898
	1904	31	136	.....	63	475	1,019
Photo-engraving	1914	7	125	76	119	51	286
	1909	6	77	71	55	41	187
	1904	8	59	.....	52	13	127
Pickles, preserves, and sauces.	1914	11	2,105	2,182	917	5,187	11,492
	1909	11	1,710	1,811	615	2,392	6,202
	1904	[1] 6	1,406	.....	496	2,882	6,217
Printing and publishing.	1914	[9] 278	3,104	4,952	2,305	3,263	10,825
	1909	254	2,805	4,173	1,960	2,669	9,071
	1904	211	2,773	.....	1,877	2,156	7,789
Shipbuilding, including boat building.	1914	4	146	210	107	117	303
	1909	3	90	130	62	87	206
	1904	4	113	.....	63	64	220
Slaughtering and meat packing.	1914	12	1,042	3,168	738	16,175	17,947
	1909	14	841	3,391	553	11,466	13,107
	1904	[3] 21	886	.....	575	8,345	9,995
Soap	1914	4	138	438	54	297	590
	1909	7	243	488	104	458	1,207
	1904	[1] 6	163	.....	72	347	527
Stoves and furnaces, including gas and oil stoves.	1914	13	250	276	162	147	454
	1909	9	233	256	133	161	416
	1904	[1] 9	115	.....	53	103	243
Surgical appliances and artificial limbs.	1914	6	48	38	19	26	125
	1909	9	42	31	37	20	111
	1904	[1] 6	42	.....	28	7	71

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

TABLE 58.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
PITTSBURGH—Continued.							
Tobacco manufactures..	1914	186	2,978	263	$1,014	$1,410	$3,857
	1909	215	3,065	213	844	1,172	3,615
	1904	243	3,144	.....	944	1,084	3,986
Tools, not elsewhere specified.	1914	11	207	465	121	160	434
	1909	15	244	638	152	217	573
	1904	[1] 10	402	.....	218	361	757
All other industries.....	1914	319	10,343	29,976	6,541	27,268	40,634
	1909	271	8,362	25,628	4,444	21,675	34,496
	1904	269	8,778	.....	4,487	16,088	27,175
READING—All industries.	1914	486	24,131	46,702	11,885	31,386	53,232
	1909	482	24,145	43,193	11,011	29,848	51,135
	1904	402	18,053	.....	7,265	16,709	30,491
Automobiles, including bodies and parts.	1914	7	400	363	223	471	1,031
	1909	5	355	235	187	314	666
	1904	3	164	.....	91	133	269
Boxes, cigar.....	1914	3	79	30	32	49	91
	1909	4	108	99	39	62	128
	1904	4	91	.....	27	55	114
Boxes and cartons, paper.	1914	6	149	133	55	90	172
	1909	6	145	115	50	79	164
	1904	4	139	.....	35	47	105
Brass, bronze, and copper products.	1914	7	93	73	56	156	239
	1909	8	57	72	30	91	149
	1904	5	186	.....	73	138	273
Bread and other bakery products.	1914	48	414	410	213	642	1,109
	1909	55	342	282	191	536	950
	1904	53	294	.....	137	373	676
Brooms and brushes....	1914	7	33	20	18	61	98
	1909	6	47	26	16	88	159
	1904	5	41	.....	16	39	72
Carriages and wagons and materials.	1914	8	221	146	126	178	376
	1909	8	290	224	145	163	413
	1904	[1] 5	250	.....	105	205	394
Cars and general shop construction and repairs by steam-railroad companies.	1914	7	2,960	4,422	2,050	3,925	6,098
	1909	6	2,628	5,752	1,681	3,767	5,661
	1904	5	2,572	.....	1,476	2,719	4,275
Confectionery.....	1914	7	561	827	182	857	1,569
	1909	10	385	388	96	600	1,047
	1904	5	379	.....	84	427	781
Copper, tin, and sheet-iron work.	1914	5	22	9	15	22	49
	1909	3	13	3	9	15	33
	1904	4	31	.....	18	18	47
Dyeing and finishing textiles.	1914	4	121	665	54	114	20
	1909	4	272	625	84	134	29
	1904	3	135	.....	51	70	18
Foundry and machine-shop products.	1914	[2] 37	2,860	3,845	1,321	1,765	4,363
	1909	37	2,832	3,389	1,384	1,716	3,889
	1904	36	2,810	.....	969	1,200	2,991
Hosiery and knit goods.	1914	38	4,258	2,524	1,630	3,593	6,501
	1909	38	4,396	2,097	1,323	2,132	4,551
	1904	27	2,813	.....	721	1,164	2,540
Iron and steel, steel works and rolling mills.	1914	6	2,703	13,892	1,621	3,811	6,279
	1909	6	3,011	11,209	1,670	5,350	8,190
	1904	6	2,084	.....	1,081	3,437	4,818
Liquors, malt.....	1914	4	119	1,800	131	484	1,443
	1909	4	105	1,555	73	349	1,417
	1904	4	92	.....	68	267	1,168
Lumber, planing-mill products.	1914	6	267	834	135	375	614
	1909	6	222	722	106	306	547
	1904	6	171	.....	88	253	401
Marble and stone work.	1914	9	84	164	55	48	132
	1909	9	91	179	53	47	156
	1904	5	56	.....	38	40	103
Optical goods.....	1914	4	415	169	139	276	584
	1909	3	273	170	86	139	339
	1904	3	135	.....	41	52	191
READING—Contd.							
Patent medicines and compounds and druggists' preparations.	1914	11	5	1	$3	$32	$57
	1909	13	15	10	6	33	67
	1904	8	12	.....	5	9	41
Printing and publishing	1914	[3] 37	324	483	224	200	890
	1909	37	276	355	199	162	743
	1904	34	240	.....	122	110	564
Saddlery and harness...	1914	5	9	3	6	12	26
	1909	5	74	84	24	63	128
	1904	3	23	.....	8	24	43
Tobacco manufactures..	1914	78	1,774	93	786	1,616	3,000
	1909	81	1,403	49	563	1,282	2,574
	1904	81	1,528	.....	595	1,056	2,484
Woolen goods and wool hats.	1914	5	534	734	208	319	911
	1909	5	494	628	237	740	1,315
	1904	[1] 3	297	.....	116	302	484
All other industries.....	1914	137	5,726	15,062	2,602	12,290	17,398
	1909	123	6,311	14,925	2,759	11,680	17,555
	1904	90	3,510	.....	1,300	4,571	7,477
SCRANTON—All industries.	1914	308	12,559	24,994	6,040	15,799	28,722
	1909	293	12,851	20,564	5,146	[4] 14,282	[4] 26,365
	1904	258	10,912	.....	4,428	11,253	20,453
Bread and other bakery products.	1914	37	393	294	243	656	1,129
	1909	38	244	200	118	479	759
	1904	25	192	.....	88	331	572
Carriages and wagons and materials.	1914	12	199	319	106	139	315
	1909	13	197	294	103	150	331
	1904	[1] 10	129	.....	63	74	200
Clothing, women's.....	1914	6	420	54	122	433	697
	1909	7	421	103	128	285	550
	1904	4	149	.....	55	68	169
Copper, tin, and sheet-iron work.	1914	7	55	17	42	42	112
	1909	8	48	5	22	31	67
	1904	3	31	.....	24	21	35
Flour-mill and gristmill products.	1914	5	63	330	35	614	754
	1909	4	19	268	6	189	227
	1904	6	41	.....	20	828	948
Foundry and machine-shop products.	1914	[5] 16	553	1,637	356	548	1,569
	1909	20	1,083	2,467	567	853	2,218
	1904	[1] 13	1,040	.....	540	704	1,902
Liquors, malt.....	1914	4	321	1,322	271	638	2,458
	1909	5	281	1,172	214	509	1,947
	1904	4	149	.....	110	264	1,227
Lumber, planing-mill products.	1914	9	255	755	156	375	732
	1909	9	389	737	212	603	933
	1904	10	342	.....	199	490	860
Printing and publishing	1914	[6] 49	811	777	679	686	2,079
	1909	48	588	700	354	445	1,309
	1904	43	529	.....	338	292	1,098
Silk goods, including throwsters.	1914	19	3,330	5,133	976	4,138	5,755
	1909	15	3,814	4,738	976	4,640	6,631
	1904	10	3,061	.....	607	3,287	4,427
Tobacco manufactures..	1914	24	379	178	127	349	735
	1909	28	264	135	88	268	618
	1904	[7] 32	133	.....	52	64	178
All other industries.....	1914	120	5,780	14,178	2,927	7,181	12,387
	1909	98	5,503	9,745	2,358	5,830	10,767
	1904	98	5,116	.....	2,332	4,830	8,809
WILKES-BARRE—All industries.	1914	188	8,107	11,867	3,836	8,014	16,734
	1909	176	7,553	12,109	3,323	6,433	13,526
	1904	129	5,920	.....	2,496	5,265	11,000
Bread and other bakery products.	1914	22	228	170	118	422	723
	1909	28	196	126	109	418	660
	1904	13	129	.....	67	287	446
Flour-mill and gristmill products.	1914	3	25	157	11	208	237
	1909	4	18	270	10	293	332
	1904	4	24	.....	15	273	315

[1] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[2] Includes "automobile repairing;" "hardware;" "iron and steel, cast-iron pipe;" "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."
[3] Includes "bookbinding and blank-book making."
[4] Figures do not agree with those published in 1909 because certain establishments revised their reports for that census.
[5] Includes "steam fittings and steam and hot-water heating apparatus" and "structural ironwork, not made in steel works or rolling mills."
[6] Includes "bookbinding and blank-book making" and "lithographing."
[7] Excludes statistics for two establishments, to avoid disclosure of individual operations.

TABLE 58.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
WILKES-BARRE—Continued.							
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	7	90	271	$64	$101	$183
	1909	6	90	205	41	98	193
Printing and publishing.	1914	33	420	346	289	264	925
	1909	31	327	320	206	206	766
	1904	22	278	.....	158	137	570
WILKES-BARRE—Continued.							
Silk goods, including throwsters.	1914	5	1,594	1,891	$389	$748	$1,625
	1909	6	1,083	1,866	247	407	1,066
	1904	3	918	.....	195	649	1,055
All other industries	1914	118	5,750	9,032	2,965	6,271	13,041
	1909	101	5,839	9,322	2,710	5,011	10,509
	1904	87	4,571	.....	2,061	3,919	8,614

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
BEAVER FALLS	1914	59	2,639	7,327	$1,616	$4,222	$7,963
	1909	44	2,180	5,141	1,218	3,015	6,400
	1904	42	2,232	.....	1,123	2,242	4.908
BETHLEHEM	1914	40	1,496	2,485	632	2,262	3,787
	1909	49	1,583	3,086	593	2,330	3,712
BRADDOCK	1914	39	1,140	8,266	804	2,651	4,022
	1909	41	1,040	7,332	785	3,347	5,094
	1904	38	1,225	.....	756	2,738	4,125
BRADFORD	1914	71	1,178	3,957	687	2,617	4,034
	1909	82	1,318	3,856	655	2,442	3,887
	1904	80	1,490	.....	841	1,593	3,192
BUTLER	1914	69	3,303	13,875	2,051	11,005	15,006
	1909	[1] 60	2,807	11,885	1,561	7,581	11,034
	1904	48	2,093	.....	1,114	4,660	6,832
CARBONDALE	1914	43	1,897	2,196	945	1,531	3,170
	1909	34	1,503	1,407	636	1,253	2,523
	1904	32	1,475	.....	606	1,113	2,316
CARLISLE	1914	50	1,603	2,375	701	2,073	3,415
	1909	50	1,334	1,735	511	1,431	2,496
	1904	48	1,340	.....	411	1,129	1,986
CARNEGIE	1914	19	337	1,342	231	902	1,724
	1909	[1] 18	337	1,145	220	627	1,184
CHAMBERSBURG	1914	59	1,650	3,741	755	1,547	3,075
	1909	57	1,364	3,126	599	1,170	2,456
	1904	47	843	.....	312	569	1,085
CHESTER	1914	153	6,295	19,160	3,506	13,101	21,021
	1909	128	6,986	17,131	3,392	11,576	19,373
	1904	131	7,061	.....	3,417	10,422	16,645
COLUMBIA	1914	61	2,141	4,146	825	1,855	3,341
	1909	47	2,773	6,589	1,107	2,671	4,807
	1904	44	3,034	.....	943	2,453	3,887
CONNELLSVILLE	1914	42	1,087	3,205	689	789	1,994
	1909	39	1,035	4,526	576	817	1,971
DUBOIS	1914	34	1,105	3,130	686	1,245	2,395
	1909	[1] 36	920	3,174	484	829	1,753
	1904	32	900	.....	459	961	1,709
DUNMORE	1914	24	948	1,731	352	477	1,269
	1909	[2] 18	1,019	1,266	369	528	1,494
	1904	15	1,133	.....	464	550	1,460
EASTON	1914	118	4,062	7,272	2,278	4,671	10,357
	1909	126	3,388	5,965	1,524	3,424	6,915
	1904	97	2,720	.....	1,180	2,684	5,059
GREENSBURG	1914	53	494	1,043	462	536	1,382
	1909	[1] 46	270	533	147	313	687
HAZLETON	1914	76	2,744	3,334	1,217	3,271	5,594
	1909	77	2,682	3,112	940	2,702	4,707
	1904	62	1,406	.....	434	1,130	2,186
HOMESTEAD	1914	30	260	1,276	178	459	1,019
	1909	26	171	890	111	322	659
	1904	27	307	.....	171	265	713
LANCASTER	1914	304	8,862	14,555	4,067	11,139	20,011
	1909	[1] 305	7,955	10,027	3,236	8,803	15,934
	1904	300	8,693	.....	3,089	7,598	14,648
LEBANON	1914	97	5,270	22,201	2,370	5,109	9,871
	1909	109	5,591	21,717	2,441	6,778	11,429
	1904	103	4,387	.....	1,791	3,279	6,978
MCKEESPORT	1914	73	6,857	55,599	5,248	20,917	33,743
	1909	68	8,246	49,935	6,031	27,296	42,495
	1904	75	8,848	.....	5,521	12,310	23,054
MCKEES ROCKS	1914	39	3,548	11,534	2,419	3,955	7,894
	1909	[1] 30	3,554	8,872	2,280	5,358	9,582
MAHANOY CITY	1914	33	661	833	255	413	1,057
	1909	33	590	753	166	383	868
	1904	29	238	.....	93	133	431
MEADVILLE	1914	57	1,676	2,895	$879	$1,866	$5,058
	1909	[1] 59	2,036	2,457	969	1,674	3,498
	1904	52	1,300	.....	602	964	2,075
MOUNT CARMEL	1914	30	978	407	287	709	1,280
	1909	20	600	322	144	416	785
	1904	19	197	.....	79	427	620
NANTICOKE	1914	35	747	796	183	417	995
	1909	[1] 16	344	437	118	176	415
	1904	12	229	.....	65	160	358
NEW CASTLE	1914	95	6,381	71,118	5,058	29,547	38,385
	1909	[2] 82	5,521	64,897	4,024	31,134	38,341
	1904	71	5,433	.....	3,430	21,212	28,923
NORRISTOWN	1914	105	3,959	6,669	1,819	4,424	8,421
	1909	111	3,818	5,713	1,553	3,274	[2] 7,325
	1904	84	3,517	.....	1,315	2,867	5,925
OIL CITY	1914	36	2,276	4,447	1,559	2,041	4,872
	1909	[1] 33	1,283	2,467	872	1,380	2,955
	1904	36	1,557	.....	928	1,334	3,082
PHOENIXVILLE	1914	34	2,927	19,081	1,543	3,789	6,239
	1909	31	2,599	15,152	1,180	3,717	5,876
	1904	31	2,888	.....	1,314	3,023	5,500
PITTSTON	1914	39	729	2,102	354	787	1,900
	1909	40	792	2,133	316	1,067	1,969
	1904	40	830	.....	307	728	1,475
PLYMOUTH	1914	17	478	963	173	441	831
	1909	23	908	1,412	281	704	1,179
	1904	23	827	.....	210	447	860
POTTSTOWN	1914	77	2,622	18,578	1,156	6,199	8,866
	1909	[1] 77	3,619	17,420	1,722	8,998	12,502
	1904	77	3,457	.....	1,516	5,438	8,145
POTTSVILLE	1914	115	3,506	25,978	1,474	7,111	10,196
	1909	[1] 90	2,808	15,232	1,276	5,824	8,979
	1904	79	1,904	.....	759	4,025	5,806
SHAMOKIN	1914	51	2,634	2,706	1,030	3,556	5,542
	1909	39	1,623	1,862	499	2,129	3,544
	1904	48	897	.....	260	1,026	1,444
SHARON	1914	48	2,298	18,762	1,640	3,551	6,373
	1909	[1] 44	2,545	22,192	1,500	3,791	5,962
	1904	37	1,812	.....	997	3,791	5,671
SHENANDOAH	1914	46	475	1,497	209	912	1,573
	1909	29	242	1,382	134	336	888
	1904	30	170	.....	100	181	595
SOUTH BETHLEHEM	1914	43	10,892	117,017	7,389	22,621	40,179
	1909	49	7,985	31,562	4,973	15,967	26,417
	1904	46	5,754	.....	2,753	7,261	15,275
SUNBURY	1914	44	1,718	3,091	912	2,782	5,116
	1909	39	2,069	2,835	1,118	2,228	4,450
	1904	32	1,457	.....	678	1,702	2,593
UNIONTOWN	1914	43	776	2,195	488	772	2,237
	1909	41	335	1,620	225	379	1,347
WARREN	1914	72	1,876	4,347	1,244	5,761	8,611
	1909	72	1,489	3,960	836	3,676	5,744
	1904	63	1,174	.....	645	2,719	4,666
WASHINGTON	1914	64	2,002	4,016	1,217	2,844	5,094
	1909	[1] 73	1,896	2,891	1,009	2,062	4,311
WEST CHESTER	1914	55	894	1,678	537	773	2,085
	1909	35	916	934	478	667	2,146
	1904	35	849	.....	412	674	2,121
WILKINSBURG	1914	29	194	1,094	144	262	572
	1909	24	185	1,016	129	262	538
	1904	30	184	.....	127	235	472
WILLIAMSPORT	1914	176	6,015	12,041	3,190	8,625	15,864
	1909	[1] 154	5,594	11,628	2,478	6,992	13,202
	1904	115	5,296	.....	2,026	6,016	11,367
YORK	1914	247	10,851	18,965	5,031	11,161	22,043
	1909	[1] 214	9,836	14,799	4,200	8,304	17,650
	1904	228	7,952	.....	3,039	6,480	13,333

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

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	27,521	1,060,562	28,034	25,347	64,959	17,744	924,478	Mh 962,114	No 873,138	(3)	(3)	(3)	(3)	(3)	$3,149,411,089
2	Agricultural implements	38	2,395	34	50	228	65	2,018	Mh 2,205	No 1,714	1,812	1,799	.....	13	.....	10,594,938
3	Ammunition	8	376	10	17	7	7	335	No 383	Ap 296	365	90	254	7	14	253,893
4	Artificial flowers	17	411	21	3	9	10	368	Ap 385	Au 360	363	69	270	9	15	270,586
5	Artificial limbs	19	86	18	5	3	5	55	Ap[4] 57	Se[4] 53	55	52	2	1	.....	104,522
6	Artificial stone products	114	694	137	26	23	7	501	Jy 715	Ja 302	574	573	.....	1	.....	940,101
7	Artists' materials	9	135	7	13	15	21	79	Fe[4] 83	Jy 73	79	61	15	3	.....	285,439
8	Asbestos products, not including steam packing.	9	637	3	25	31	16	562	Fe 603	Oc 516	555	522	20	6	7	2,475,030
9	Automobile bodies and parts	58	1,688	58	72	91	27	1,440	De 1,593	Ja 1,204	1,626	1,604	11	11	.....	3,148,617
10	Automobiles	22	1,983	5	59	220	56	1,643	Jy 2,075	Oc 1,468	1,557	1,542	5	10	.....	7,368,899
11	Automobile repairing	270	2,099	304	56	93	43	1,603	Au 1,700	Ja 1,416	1,578	1,574	2	2	.....	2,323,948
12	Awnings, tents, and sails	61	355	69	15	25	8	238	My 362	Ja 184	259	170	89	.....	.....	469,127
13	Babbitt metal and solder	20	239	16	22	38	6	157	.....	.....	162	155	7	.....	.....	1,092,765
14	Babbitt and type metal	10	180	2	20	32	3	123	Oc 142	Ja 104	130	130	.....	.....	.....	933,128
15	White metal	4	41	7	1	5	2	26	Je[4] 30	Ja[4] 23	24	17	7	.....	.....	126,277
16	Solder	6	18	7	1	1	1	8	(5) 8	(5) 8	8	8	.....	.....	.....	33,360
17	Bags, paper, not including bags made in paper mills.	12	281	12	11	6	6	246	No 262	Ja 221	251	120	119	5	7	752,400
18	Baking powders	6	24	4	2	8	2	8	(5) 8	(5) 8	8	8	.....	.....	.....	33,190
19	Baskets, and rattan and willow ware.	39	298	39	8	7	6	238	Se 283	Fe 197	270	228	36	4	2	269,271
20	Belting, leather	15	282	14	20	53	6	189	Ja 192	Se 186	189	180	1	8	.....	1,042,456
21	Belting, woven	4	169	.....	7	18	13	131	My 142	De 117	123	62	54	4	3	923,047
22	Billiard tables and materials	5	78	11	.....	9	3	55	De 60	Jy 51	60	58	2	.....	.....	197,800
23	Blacking, stains, and dressings	14	128	15	15	21	5	72	Mh[4] 78	No[4] 63	83	44	37	2	.....	252,472
24	Bluing	6	28	6	1	.....	2	19	Ja[4] 22	De 8	19	9	10	.....	.....	55,843
25	Bookbinding and blank-book making	122	2,367	121	76	84	54	2,032	Jy 2,168	Au 1,928	2,049	976	996	50	27	2,546,775
26	Boot and shoe cut stock	6	202	4	9	7	5	177	Ja 198	Au 166	173	120	39	10	4	508,211
27	Boot and shoe findings	9	64	9	1	1	.....	53	Fe 59	Se 49	57	36	18	1	2	54,062
28	Boots and shoes	131	14,248	121	298	426	219	13,184	Fe 13,455	My 12,909	13,262	8,004	4,458	444	356	15,817,846
29	Boxes, cigar	63	1,844	78	30	27	16	1,693	Oc 1,738	Je 1,656	1,705	717	860	42	86	1,474,543
30	Boxes, fancy and paper	133	5,649	127	162	121	99	5,140	.....	.....	5,118	1,488	3,038	113	479	4,888,279
31	Paper boxes and cartons	130	5,634	124	162	121	98	5,129	Oc 5,270	Au 4,975	5,106	1,481	3,033	113	479	4,884,864
32	All other	3	15	3	.....	.....	1	11	Je[4] 13	De 7	12	7	5	.....	.....	3,415
33	Boxes, wooden packing	66	2,021	67	62	58	21	1,813	Mh 1,922	De 1,697	1,778	1,627	19	131	1	3,450,588
34	Brass, bronze, and copper products.	107	2,400	100	133	173	54	1,940	.....	.....	1,950	1,914	28	8	.....	8,708,223
35	Brass and bronze	95	1,933	93	108	131	47	1,554	My 1,601	No 1,493	1,571	1,542	21	8	.....	6,521,567
36	Copper	7	326	7	12	33	2	272	Ap 277	No 261	278	278	.....	.....	.....	1,689,558
37	All other	5	141	.....	13	9	5	114	Fe 128	Se 93	101	94	7	.....	.....	587,098
38	Bread and bakery products	2,987	20,421	3,152	267	1,359	486	15,157	.....	.....	15,434	12,795	2,344	173	122	36,089,443
39	Biscuits and crackers	19	3,400	10	47	506	87	2,750	Ap 2,876	Se 2,638	2,711	1,418	1,172	17	104	10,323,357
40	All other	2,968	17,021	3,142	220	853	399	12,407	Oc 12,544	Ja 12,188	12,723	11,377	1,172	156	18	25,766,086
41	Brick and tile, terra-cotta, and fire-clay products.	356	18,894	289	587	465	141	17,412	.....	.....	17,558	17,212	100	237	9	49,239,795
42	Building brick	237	8,572	232	284	160	69	7,827	Au 9,150	Fe 5,745	8,552	8,471	.....	81	.....	18,966,640
43	Sewer pipe and draintile	12	904	9	25	14	6	850	Je 916	Fe 751	875	875	.....	.....	.....	2,015,844
44	Fire brick and stove lining	92	8,592	42	241	250	57	8,002	Ap 8,489	De 6,986	7,380	7,220	11	149	.....	26,617,487
45	Tile, other than draintile	4	255	1	9	17	2	226	Je 241	De 211	210	144	57	5	4	394,550
46	Architectural and fireproofing terra cotta.	11	571	5	28	24	7	507	Oc 567	Ap 439	541	502	32	2	5	1,245,274
47	Brooms	80	662	92	19	26	11	514	.....	.....	561	509	30	20	2	829,333
48	From broom corn	77	643	88	19	26	11	499	No 561	Je 465	546	494	30	20	2	814,200
49	All other	3	19	4	.....	.....	.....	15	(5) 15	(5) 15	15	15	.....	.....	.....	15,133
50	Brushes	46	496	50	27	23	11	385	.....	.....	376	315	53	7	1	807,391
51	Paint and varnish	6	172	3	10	7	8	144	Ja 147	De 140	135	112	21	2	.....	343,806
52	All other	40	324	47	17	16	3	241	Mh 253	Jy 233	241	203	32	5	1	463,585
53	Butter	287	1,112	247	80	44	28	713	Au 764	Fe 669	705	689	14	2	.....	2,760,391
54	Buttons	21	1,235	21	27	19	14	1,154	Ap 1,239	No 1,042	1,094	573	438	45	38	1,555,971
55	Canning and preserving, fruits and vegetables.	35	613	47	23	8	7	528	.....	.....	1,730	670	910	67	83	1,051,675
56	Canned vegetables and fruits	29	580	33	21	8	7	511	Se 1,688	Fe 48	1,643	637	856	67	83	1,039,596
57	Dried fruits	6	33	14	2	.....	.....	17	Oc 80	De 13	87	33	54	.....	.....	12,079
58	Card cutting and designing	19	183	21	5	8	4	145	Mh 151	Ja 134	148	89	58	1	.....	253,339
59	Cardboard, not made in paper mills.	6	668	5	22	55	43	543	No 595	Fe 497	561	306	225	29	1	2,045,272
60	Carpets and rugs, other than rag	63	10,155	61	153	286	86	9,569	Mh 10,195	No 8,827	9,501	6,150	3,033	156	162	28,378,978
61	Carpets, rag	75	605	81	21	21	4	478	De 511	Jy[4] 463	522	403	76	26	17	483,098
62	Carriage and wagon materials	54	2,439	61	55	133	14	2,176	Ja 2,399	No 1,979	2,047	2,023	.....	24	.....	4,764,743
63	Carriages and sleds, children's	9	531	7	22	33	6	463	De 513	Jy 330	494	444	32	18	.....	836,285
64	Carriages, wagons, and repairs	633	5,244	760	124	122	44	4,194	.....	.....	4,080	4,049	16	15	.....	8,728,531
65	Carriages and wagons	566	4,952	681	122	114	42	3,993	My 4,266	De 3,676	3,874	3,844	16	14	.....	8,355,159
66	Repair work only	67	292	79	2	8	2	201	Je 226	No[4] 169	206	205	.....	1	.....	373,372
67	Cars and general shop construction and repairs by electric-railroad companies.	92	3,138	.....	78	85	3	2,972	Je 3,039	De 2,888	2,890	2,878	10	2	.....	3,004,720
68	Cars and general shop construction and repairs by steam-railroad companies.	163	58,079	.....	978	2,331	41	54,729	Ja 58,495	Je 53,397	53,805	53,645	147	13	.....	53,098,200

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

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$61,991,063	$82,619,422	$527,952,517	$20,604,279	$15,208,457	$37,247,555	$1,549,582,854	$139,337,862	$2,832,349,437	$1,143,428,721	3,549,858	2,922,616	237,728	45,325	344,189	1,184,962	1
143,443	302,562	1,121,427	240	1,392	26,551	1,801,404	105,890	4,843,655	2,936,361	4,472	2,985	172	79	1,236	1,501	2
30,363	9,629	100,208	97	300	482	174,122	5,444	403,680	224,114	56	15	12	.....	29	14	3
10,000	17,965	152,917	2,666	10,477	373	329,549	4,854	687,852	353,449	33	.....	5	.....	28	.....	4
7,178	4,057	48,454	915	10,588	503	42,126	1,134	166,292	123,032	36	.....	9	.....	27	.....	5
40,574	23,239	316,846	22,506	14,814	2,999	372,839	9,150	935,794	553,805	1,279	804	329	40	106	156	6
18,481	35,238	30,639	.....	4,145	752	136,153	4,080	242,333	102,100	156	20	45	.....	91	.....	7
65,613	34,545	278,463	4,315	2,724	4,366	774,775	26,663	1,674,959	873,521	1,216	655	1	.....	560	158	8
145,450	112,268	977,079	20,288	79,490	10,158	1,313,594	41,110	3,211,448	1,856,744	2,025	828	149	.....	1,048	553	9
143,883	212,978	1,159,694	3,624	48,714	17,025	4,124,102	79,675	6,872,635	2,668,858	3,105	1,865	153	.....	1,087	1,635	10
80,855	94,256	1,285,035	67,596	150,215	11,213	1,183,300	44,367	3,661,276	2,433,609	1,561	29	439	10	1,083	31	11
16,146	28,594	152,296	1,987	22,467	1,232	496,418	5,161	919,777	418,198	119	.....	15	.....	104	.....	12
44,812	39,275	101,266	.....	7,144	1,421	1,146,984	11,536	1,510,123	351,603	180	117	39	.....	24	30	13
43,062	32,653	80,951	.....	5,446	1,160	990,906	8,712	1,290,278	290,660	160	117	25	.....	18	30	14
1,000	6,052	16,641	.....	900	182	99,797	2,119	143,425	41,509	16	.....	14	.....	2	.....	15
750	570	3,674	.....	798	79	56,281	705	76,420	19,434	4	.....	.....	.....	4	.....	16
17,164	7,571	95,648	8,880	4,520	1,306	513,697	3,635	758,841	241,509	239	185	43	.....	11	15	17
1,876	6,191	4,183	.....	3,594	59	24,424	174	45,904	21,306	7	.....	2	.....	5	.....	18
8,612	9,479	120,780	150	8,338	912	183,045	3,744	443,171	256,382	170	85	12	.....	73	.....	19
46,862	60,643	128,606	.....	22,132	3,062	1,285,700	9,530	1,775,296	480,066	310	185	36	.....	89	40	20
18,820	31,675	57,000	.....	17,540	2,369	335,674	6,006	740,716	399,036	421	410	.....	.....	11	130	21
.....	9,645	28,528	.....	3,860	1,289	90,784	1,013	147,301	55,504	48	.....	12	.....	36	.....	22
25,361	25,099	32,503	350	3,301	689	306,924	9,869	462,213	145,420	210	201	6	.....	3	.....	23
1,000	880	6,841	.....	444	350	49,087	550	79,587	29,950	28	.....	10	.....	18	.....	24
141,944	122,514	1,008,196	37,774	119,353	3,004	1,315,848	24,000	3,367,249	2,027,401	1,102	301	209	.....	592	111	25
17,900	10,627	69,648	.....	3,845	1,481	855,629	1,962	1,041,864	184,273	71	.....	10	.....	61	.....	26
1,600	1,000	24,582	92	2,445	186	43,321	2,318	102,854	57,215	10	.....	.....	.....	10	.....	27
709,571	586,629	6,118,873	49,569	110,053	32,295	16,411,197	112,932	27,844,752	11,320,623	6,271	4,454	255	.....	1,562	1,175	28
37,156	26,608	562,158	559	11,853	4,379	1,181,944	26,256	2,123,876	915,676	1,840	1,272	110	.....	458	39	29
287,166	167,027	1,825,744	2,379	169,882	14,649	2,909,632	67,699	6,545,932	3,568,601	2,427	1,273	298	15	841	154	30
287,166	166,227	1,820,318	2,379	169,086	14,649	2,905,068	67,484	6,532,419	3,559,867	2,427	1,273	298	15	841	154	31
.....	800	5,426	.....	796	.....	4,564	215	13,513	8,734	.....	.....	.....	.....	.....	.....	32
125,298	66,296	886,863	5,393	23,594	16,196	3,043,496	27,213	4,652,835	1,582,126	6,022	4,742	95	15	1,170	135	33
342,603	235,025	1,259,963	16,234	32,137	33,418	6,964,783	158,430	9,779,626	2,656,413	4,578	2,505	806	35	1,232	578	34
274,290	160,522	1,011,352	16,234	26,575	25,251	5,477,256	126,233	7,827,374	2,223,885	2,739	1,170	623	35	911	428	35
36,833	61,952	170,729	.....	4,072	5,624	1,324,537	23,855	1,655,329	306,937	1,493	1,025	175	.....	293	.....	36
31,480	12,551	77,882	.....	2,490	1,543	162,990	8,342	296,923	125,591	346	310	8	.....	28	150	37
529,284	1,672,685	8,514,007	14,146	514,495	225,643	30,633,339	1,052,035	54,139,906	22,454,532	14,597	5,035	1,668	2	7,892	3,948	38
148,803	709,938	956,769	.....	49,480	45,518	3,987,921	83,406	7,673,687	3,602,360	1,777	1,509	20	.....	248	882	39
380,481	962,747	7,557,238	14,146	465,015	180,125	26,645,418	968,629	46,466,219	18,852,172	12,820	3,526	1,648	2	7,644	3,066	40
1,045,650	535,433	8,869,014	113,073	67,483	199,690	4,579,605	3,452,803	22,730,973	14,698,565	69,310	53,706	6,875	25	8,704	2,369	41
421,965	163,071	4,184,598	81,766	55,655	83,728	1,292,281	2,017,558	9,998,973	6,689,134	39,677	27,688	5,235	25	6,729	566	42
57,562	22,891	578,333	4,398	12	10,893	139,148	146,127	1,197,657	912,382	3,135	3,060	25	.....	50	6	43
505,096	303,296	3,753,483	9,261	7,492	97,706	2,911,742	1,188,735	10,561,537	6,461,060	24,693	21,683	1,205	.....	1,805	1,623	44
17,504	19,158	102,391	.....	364	970	77,632	22,378	274,899	174,889	196	105	.....	.....	91	.....	45
43,523	27,017	250,209	17,648	3,960	6,393	158,802	78,005	697,907	461,100	1,609	1,170	410	.....	29	174	46
28,368	36,089	264,500	850	8,374	4,862	748,983	9,346	1,259,171	500,842	456	78	145	.....	233	30	47
28,368	36,089	256,070	850	7,684	4,843	729,943	9,051	1,221,567	482,573	451	78	145	.....	228	30	48
.....	.....	8,430	.....	690	19	19,040	295	37,604	18,269	5	.....	.....	.....	5	.....	49
45,910	28,602	203,691	.....	17,611	1,818	590,753	6,309	1,137,491	540,429	273	146	29	8	90	9	50
19,650	14,259	88,682	.....	9,022	399	331,231	2,283	596,899	263,385	73	6	18	8	41	1	51
26,260	14,343	115,009	.....	8,589	1,419	259,522	4,026	540,592	277,044	200	140	11	.....	49	8	52
66,590	35,268	409,708	8,903	13,124	13,929	7,272,541	101,722	8,619,651	1,245,388	5,278	4,600	352	92	234	54	53
63,646	33,167	476,649	9,514	27,965	4,356	843,163	23,823	1,741,507	874,521	1,318	1,150	66	.....	102	.....	54
28,661	8,067	133,358	2,622	608	1,873	749,455	10,239	1,119,963	360,269	1,234	1,128	51	6	49	54	55
28,424	8,067	129,553	2,622	596	1,797	744,550	9,045	1,107,254	353,659	1,214	1,128	37	.....	49	54	56
237	.....	3,805	.....	12	76	4,905	1,194	12,709	6,610	20	.....	14	6	.....	.....	57
5,356	12,450	86,298	.....	12,376	413	120,141	2,739	317,748	194,868	258	25	20	.....	213	.....	58
82,518	88,114	236,099	.....	8,500	5,057	968,095	10,633	1,512,419	533,691	780	650	110	.....	20	312	59
515,277	427,759	4,798,257	340,350	104,845	66,094	14,186,339	279,201	23,099,647	8,634,107	13,586	11,013	588	.....	1,985	3,329	60
13,144	15,481	175,741	4,496	12,236	1,954	319,858	7,201	734,764	407,705	402	88	138	.....	176	25	61
92,067	117,133	1,198,925	1,155	5,152	15,835	1,849,945	124,649	4,084,277	2,109,683	5,029	4,129	585	19	296	1,226	62
30,480	31,214	236,404	.....	2,460	2,921	456,206	7,776	976,137	512,155	356	280	25	.....	51	172	63
204,607	147,372	2,581,202	22,290	89,991	42,526	3,347,195	120,046	8,177,360	4,710,119	5,877	2,316	1,571	84	1,906	844	64
201,435	139,726	2,442,690	21,611	81,504	39,624	3,239,023	113,555	7,798,032	4,445,454	5,597	2,241	1,441	84	1,831	813	65
3,172	7,646	138,512	679	8,487	2,902	108,172	6,491	379,328	264,665	280	75	130	.....	75	31	66
89,931	85,538	2,070,115	8,520	1,950	5,082	1,106,366	36,704	3,421,052	2,277,982	4,782	10	17	.....	4,755	21	67
1,578,283	2,127,817	38,863,035	.....	10,765	90,231	47,365,767	1,791,279	93,608,049	44,451,003	77,885	65,409	469	.....	12,007	51,679	68

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

[5] Same number reported throughout the year.

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

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

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
1	Cars, steam-railroad, not including operations of railroad companies.	12	11,205	11	164	991	84	9,955	Ja 13,060	My 7,962	9,449	9,422	24	3	.....	$32,446,140
2	Cement	26	9,192	.....	156	982	144	7,910	Se 8,483	No 7,130	8,129	8,088	3	38	.....	60,948,356
3	Cheese	83	242	132	11	13	2	84	Je[4] 113	Ja[3] 45	112	108	4	.....	.....	440,614
4	Chemicals	39	5,276	8	100	335	85	4,748	Ja 4,905	Jy 4,605	4,809	4,147	548	28	86	29,527,205
5	Chocolate and cocoa products	7	2,121	6	24	285	50	1,756	Oc 1,852	Jy 1,553	1,715	1,003	656	24	32	8,495,134
6	Cleansing and polishing preparations.	41	225	39	23	32	18	113	.....	.....	113	69	41	2	1	439,802
7	Cleansing preparations	18	111	14	14	15	10	58	Ap 64	Jy 53	57	33	24	.....	.....	177,220
8	Polishing preparations	23	114	25	9	17	8	55	Fe 61	My[3] 51	56	36	17	2	1	262,582
9	Clothing, horse	10	315	9	8	30	10	258	Fe 271	De 225	242	94	145	.....	3	601,798
10	Clothing, men's	504	12,341	719	180	914	292	10,236	.....	.....	10,631	5,137	5,273	79	142	16,798,163
11	Regular factories	231	8,270	359	166	912	285	6,548	.....	.....	6,683	3,126	3,377	70	110	16,418,020
12	Men's and youths'	209	7,887	324	160	898	280	6,225	Fe 6,615	Oc 5,807	6,349	3,011	3,165	69	104	15,832,268
13	All other	22	383	35	6	14	5	323	Je 353	De 266	334	115	212	1	6	585,761
14	Contract work	273	4,071	360	14	2	7	3,688	.....	.....	3,948	2,011	1,896	9	32	380,134
15	Men's and youths'	266	3,923	350	12	2	7	3,552	Mh 3,667	Jy 3,470	3,804	1,940	1,823	9	32	372,255
16	Boys'	7	148	10	2	.....	.....	136	Fe 148	De 115	144	71	73	.....	.....	7,870
17	Clothing, men's, buttonholes	15	183	20	.....	.....	.....	163	Je[3] 165	Ja[3] 162	163	47	108	.....	8	37,862
18	Clothing, women's	483	19,600	715	293	910	465	17,217	.....	.....	17,414	5,203	11,982	27	202	14,117,695
19	Regular factories	437	18,780	652	286	906	457	16,479	.....	.....	16,548	4,987	11,336	25	200	14,006,860
20	Suits, skirts, and cloaks	190	6,041	301	106	340	169	5,125	Oc 5,870	De 4,387	5,230	3,303	1,879	15	33	4,295,338
21	Shirt waists and dresses, except house dresses.	161	9,171	253	113	418	183	8,204	Mh 9,203	Jy 7,043	8,307	1,334	6,880	9	84	6,397,699
22	Undergarments and petticoats.	30	2,066	31	39	96	62	1,838	Mh 1,988	Jy 1,685	1,768	166	1,541	.....	61	2,161,404
23	Wrappers and house dresses.	21	736	25	18	19	18	656	Ap 739	Au 561	663	108	550	1	4	545,199
24	All other	35	766	42	10	33	25	656	Ap 766	De 542	580	76	486	.....	18	607,220
25	Contract work	46	820	63	7	4	8	738	.....	.....	866	216	646	2	2	110,835
26	Suits, skirts, and cloaks	23	261	33	1	3	2	222	Oc 238	Ap 202	234	164	69	1	.....	29,830
27	Shirt waists and dresses, except house dresses.	13	294	19	3	1	2	269	Mh 349	Au 130	352	37	315	.....	.....	43,712
28	Undergarments, petticoats, wrappers, and house dresses.	5	234	6	3	.....	4	221	My 243	De 152	228	9	217	.....	2	32,703
29	All other	5	31	5	.....	.....	.....	26	Ja[3] 49	Se[3] 8	52	6	45	1	.....	4,590
30	Coffee and spice, roasting and grinding.	77	1,048	79	54	233	96	586	.....	.....	561	322	216	14	9	2,454,231
31	Coffee	72	707	75	41	151	86	354	Mh 365	Jy 344	360	205	154	1	.....	2,232,910
32	Spice	5	341	4	13	82	10	232	Ja 249	De 201	201	117	62	13	9	221,321
33	Coffins, burial cases, and undertakers' goods.	32	1,585	24	53	103	23	1,382	Mh 1,417	Fe 1,354	1,379	1,052	296	24	7	3,614,024
34	Coke, not including gas-house coke	108	11,307	34	337	988	127	9,871	Mh 11,619	De 8,365	9,137	9,051	3	83	.....	68,525,664
35	Collars and cuffs, men's	4	38	4	2	6	2	24	Fe[3] 25	De 21	21	5	16	.....	.....	82,279
36	Condensed milk and milk products, other than butter and cheese.	17	647	29	36	48	22	512	My 575	Fe 451	486	399	83	2	2	2,640,210
37	Confectionery and ice cream	657	9,950	719	261	516	312	8,142	.....	.....	8,952	4,070	4,329	148	405	16,602,974
38	Confectionery	276	7,408	293	166	379	209	6,361	Oc 7,311	Je 5,515	7,044	2,522	4,021	109	392	9,954,930
39	Chewing gum	5	122	.....	7	7	4	104	Se 138	Ja 45	204	85	103	4	12	473,592
40	Ice cream	376	2,420	426	88	130	99	1,677	Jy 2,038	Fe 1,435	1,704	1,463	205	35	1	6,174,452
41	Cooperage	99	1,513	95	37	31	9	1,341	.....	.....	1,282	1,200	2	80	.....	3,269,853
42	Hogsheads and barrels	81	1,187	75	24	26	8	1,054	Mh 1,103	De 984	991	935	.....	56	.....	2,805,212
43	All other	18	326	20	13	5	1	287	Ja 303	No 252	291	265	2	24	.....	464,641
44	Copper, tin, and sheet-iron work	361	4,510	444	158	249	96	3,563	My 3,725	Mh 3,465	3,560	3,357	151	34	18	7,202,216
45	Cordage and twine	17	1,947	8	40	41	9	1,849	Fe 1,969	De 1,749	1,850	963	792	48	47	5,985,583
46	Cordials and flavoring sirups	6	40	6	5	7	1	21	Je[3] 23	My 18	21	14	5	.....	2	106,171
47	Cork, cutting	10	1,885	3	21	52	22	1,787	Mh 1,951	De 1,538	1,726	875	700	86	65	4,316,369
48	Corsets	10	1,054	8	41	19	183	803	Ap 970	No 637	646	121	522	1	2	652,174
49	Cotton goods	116	9,813	117	238	208	92	9,158	My 9,581	Fe 8,895	9,352	4,704	4,011	253	384	18,719,177
50	Cotton lace	13	3,970	3	79	232	54	3,602	Fe 3,993	No 3,148	3,458	1,373	1,855	98	132	12,404,430
51	Cotton small wares	26	2,002	16	47	41	18	1,880	Ap 1,972	De 1,767	1,796	485	1,157	21	133	3,298,271
52	Crucibles	5	114	.....	14	9	3	88	Ap 109	Se 75	101	101	.....	.....	.....	821,984
53	Cutlery and edge tools	30	1,608	16	59	72	34	1,427	.....	.....	1,416	1,321	68	19	8	4,205,569
54	Table cutlery, razors, and pocket-knives.	8	386	2	12	31	15	326	Fe 384	Jy 205	321	285	27	9	.....	732,831
55	Axes and hatchets	6	942	2	25	31	14	870	Ja 978	Jy 509	871	821	36	6	8	2,853,988
56	Scissors, shears, and clippers	4	102	1	7	3	2	89	Mh 96	De 83	89	84	5	.....	.....	278,487
57	Augers, bits, chisels, and planes	5	76	6	6	4	1	59	Ja 65	Au 55	57	57	.....	.....	.....	138,732
58	All other	7	102	5	9	3	2	83	Fe 95	Se[3] 76	78	74	.....	4	.....	201,531
59	Dairymen's, poultrymen's, and apiarists' supplies.	15	699	5	26	48	39	581	Au 646	No 458	467	461	4	2	.....	2,867,441
60	Dental goods	45	1,839	52	46	56	40	1,645	.....	.....	1,377	590	703	15	69	4,603,698
61	Teeth	10	1,540	9	35	46	20	1,430	Jy 1,742	Au 1,072	1,159	424	654	12	69	4,251,233
62	All other	35	299	43	11	10	20	215	Mh 225	Au 208	218	166	49	3	.....	352,465
63	Drug grinding	4	64	8	3	9	3	41	De 44	Au 38	43	42	1	.....	.....	150,616
64	Druggists' preparations	46	2,480	24	83	323	191	1,859	Fe 2,051	Au 1,729	1,811	810	949	15	37	9,719,432
65	Dyeing and finishing textiles	150	7,251	156	244	351	111	6,389	Mh 6,749	No 6,160	6,222	5,352	727	105	38	17,281,294
66	Dyestuffs and extracts	9	320	2	19	22	12	265	Oc 298	Fe 223	278	276	1	1	.....	1,991,830
67	Electrical machinery, apparatus, and supplies.	105	19,332	53	489	3,015	909	14,866	Se 15,482	De 13,813	12,881	11,269	1,515	74	23	61,587,091
68	Electroplating	33	206	49	6	4	4	143	Ap 154	Se 135	142	138	2	2	.....	213,532

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$522,870	$1,421,493	$6,635,350	.....	$13,375	$141,989	$28,721,396	$655,295	$39,831,095	$10,454,404	26,462	24,007	715	.....	1,740	23,523	1
562,334	1,193,918	4,427,805	$181,409	475,241	245,509	10,586,244	5,240,791	29,080,593	13,253,558	132,894	102,144	30	2,546	28,174	36,409	2
10,694	6,605	50,263	1,707	533	1,583	1,220,078	12,064	1,497,340	265,198	769	666	82	.....	21	.....	3
460,482	424,008	2,927,562	21,300	15,054	97,362	11,713,607	901,774	22,387,835	9,772,454	16,570	10,051	484	.....	6,035	6,318	4
109,725	498,346	738,988	.....	8,233	27,868	7,429,160	116,846	12,342,217	4,796,211	7,607	5,650	1,520	.....	437	4,525	5
38,947	33,919	48,548	100	12,603	1,407	302,622	5,707	649,728	341,399	295	140	13	.....	142	1	6
23,165	16,818	27,746	.....	7,102	1,165	205,636	4,275	432,259	222,348	207	69	11	.....	127	.....	7
15,782	17,101	20,802	100	5,501	242	96,986	1,432	217,469	119,051	88	71	2	.....	15	1	8
14,730	44,754	99,255	6,700	12,540	584	682,786	4,383	984,669	297,500	174	112	16	.....	46	110	9
437,728	934,264	4,967,976	2,439,901	384,780	27,026	14,317,759	113,097	28,033,167	13,602,311	2,457	484	253	28	1,692	183	10
422,644	929,798	3,281,950	2,371,170	334,113	25,598	14,295,163	72,961	25,761,181	11,393,057	1,881	445	123	28	1,285	183	11
417,674	902,649	3,146,596	2,306,207	325,937	25,055	13,890,536	67,960	25,024,447	11,065,951	1,835	445	111	28	1,251	183	12
4,970	27,149	135,354	64,963	8,176	543	404,627	5,001	736,734	327,106	46	.....	12	.....	34	.....	13
15,084	4,466	1,686,026	68,731	50,667	1,428	22,596	40,136	2,271,986	2,209,254	576	39	130	.....	407	.....	14
13,484	4,466	1,645,645	68,731	49,335	1,428	17,311	39,247	2,217,325	2,160,767	555	39	127	.....	389	.....	15
1,600	.....	40,381	.....	1,332	.....	5,285	889	54,661	48,487	21	.....	3	.....	18	.....	16
.....	.....	91,870	.....	3,492	.....	30,822	1,386	176,347	144,139	22	.....	1	.....	21	.....	17
686,727	1,218,823	8,090,555	427,303	647,172	11,159	20,190,233	152,158	37,059,174	16,716,783	3,108	610	269	.....	2,229	186	18
679,049	1,213,889	7,792,503	423,079	631,363	11,059	20,145,972	145,130	36,579,992	16,288,890	2,919	575	260	.....	2,084	186	19
261,680	411,853	3,125,472	225,118	255,417	1,062	6,883,813	49,396	13,040,989	6,107,780	710	.....	40	.....	670	.....	20
250,873	577,945	3,507,178	125,045	277,654	5,519	9,197,508	66,596	16,796,530	7,532,426	1,618	450	170	.....	998	181	21
123,846	157,212	634,472	32,516	45,491	3,591	2,806,094	13,458	4,302,419	1,482,867	393	125	18	.....	250	5	22
14,695	21,965	290,160	34,410	21,605	238	595,502	9,878	1,208,354	602,974	90	.....	.....	.....	90	.....	23
27,955	44,914	235,221	5,990	31,196	649	663,055	5,802	1,231,700	562,843	108	.....	32	.....	76	.....	24
7,678	4,934	298,052	4,224	15,809	100	44,261	7,028	479,182	427,893	189	35	9	.....	145	.....	25
1,400	2,022	138,711	3,235	7,268	14	31,657	3,204	254,885	220,024	32	.....	2	.....	30	.....	26
2,888	1,280	93,497	739	5,766	6	8,489	1,970	139,318	128,859	89	.....	7	.....	82	.....	27
3,390	1,632	58,439	250	2,103	.....	1,555	1,415	70,520	67,550	59	35	.....	.....	24	.....	28
.....	.....	7,405	.....	672	80	2,560	439	14,459	11,460	9	.....	.....	.....	9	.....	29
144,260	404,763	302,307	1,575	52,902	9,568	4,965,858	42,813	6,967,154	1,958,483	2,117	1,184	327	.....	606	403	30
100,260	271,635	181,629	1,575	44,800	6,842	4,167,846	35,978	5,721,622	1,517,798	1,532	640	304	.....	588	403	31
44,000	133,128	120,678	.....	8,102	2,726	798,012	6,835	1,245,532	440,685	585	544	23	.....	18	.....	32
102,036	145,655	724,430	1,316	26,305	20,036	1,975,045	30,293	3,671,698	1,666,360	2,066	1,433	196	.....	437	849	33
631,010	617,093	6,634,898	.....	71,855	864,011	1,399,267	28,420,770	42,996,443	13,176,406	36,213	32,176	2	.....	4,035	21,829	34
2,043	2,973	9,556	.....	480	81	20,648	473	45,414	24,293	15	.....	.....	.....	15	.....	35
91,805	56,851	285,439	17,793	1,623	8,352	4,334,421	76,056	5,570,308	1,159,831	1,761	1,668	73	6	14	480	36
664,541	704,187	3,344,275	43,672	334,068	86,624	14,656,776	340,938	24,838,995	9,841,281	14,474	6,773	2,270	9	5,422	1,597	37
478,421	527,339	2,268,575	41,612	224,216	41,695	9,559,346	170,622	15,916,312	6,186,344	6,608	3,968	551	.....	2,089	1,266	38
11,294	5,457	38,610	.....	16,159	6,850	365,868	3,620	751,485	381,997	203	130	.....	.....	73	.....	39
174,826	171,391	1,037,090	2,060	93,693	38,079	4,731,562	166,696	8,171,198	3,272,940	7,663	2,675	1,719	9	3,260	331	40
81,644	33,679	730,560	2,844	22,403	14,829	3,214,024	28,111	4,676,415	1,434,280	3,016	2,230	146	.....	640	45	41
59,701	30,315	590,905	.....	21,239	11,155	2,755,108	24,972	3,978,430	1,198,350	2,395	1,657	131	.....	607	45	42
21,943	3,364	139,655	2,844	1,164	3,674	458,916	3,139	697,985	235,930	621	573	15	.....	33	.....	43
333,073	348,463	2,250,372	65,836	89,307	29,129	4,699,145	52,919	9,308,029	4,555,965	2,514	1,096	342	.....	1,076	761	44
153,034	61,372	727,182	.....	8,467	17,545	3,822,985	43,930	4,984,662	1,117,747	5,110	4,821	165	100	24	970	45
5,446	10,146	12,796	.....	2,055	2,498	210,248	875	456,768	245,645	40	35	.....	.....	5	.....	46
84,014	76,247	824,477	1,759	3,290	27,494	2,037,921	56,111	3,721,515	1,627,483	2,841	1,655	1,028	.....	158	1,932	47
77,843	116,465	274,692	.....	17,697	1,219	400,845	4,832	1,973,760	1,568,083	159	.....	.....	.....	159	.....	48
539,795	367,877	4,409,928	271,469	218,323	48,215	12,425,039	299,184	22,408,007	9,683,784	16,870	13,571	1,751	231	1,317	712	49
278,504	423,894	1,528,155	18,411	5,396	41,957	2,946,693	91,243	6,534,485	3,496,549	4,743	4,374	49	.....	320	2,020	50
123,819	64,790	738,021	62,857	55,086	8,801	1,760,534	40,835	3,457,954	1,656,585	1,798	1,331	281	.....	186	312	51
54,040	17,205	61,122	.....	.....	5,153	482,084	11,259	756,682	263,339	360	340	20	.....	.....	.....	52
98,069	68,678	735,796	10,150	2,274	16,167	938,087	73,100	2,255,845	1,244,658	4,854	3,152	810	304	588	2,817	53
18,700	31,929	157,258	80	1,014	1,288	65,427	5,594	319,744	248,723	539	235	298	.....	6	100	54
55,493	27,313	446,178	10,000	.....	12,806	796,430	56,712	1,593,186	740,044	3,774	2,550	420	304	500	2,687	55
7,764	2,366	56,783	.....	.....	894	30,968	4,616	128,442	92,858	160	62	60	.....	38	30	56
6,484	2,160	36,384	.....	.....	544	10,467	2,397	75,461	62,597	128	110	18	.....	.....	.....	57
9,628	4,910	39,193	70	1,260	635	34,795	3,781	139,012	100,436	253	195	14	.....	44	.....	58
41,002	90,326	357,634	.....	4,159	5,002	375,621	10,332	1,328,808	942,855	964	765	155	.....	44	789	59
93,592	95,916	695,060	.....	23,421	8,321	2,143,935	32,571	4,362,422	2,185,916	443	290	31	.....	122	115	60
66,231	68,460	581,294	.....	6,684	7,846	1,338,647	28,542	3,244,920	1,877,731	328	290	4	.....	34	115	61
27,361	27,456	113,766	.....	16,737	475	805,288	4,029	1,117,502	308,185	115	.....	27	.....	88	.....	62
2,680	12,190	21,661	.....	6,000	705	130,851	5,595	230,511	94,065	190	60	50	.....	80	.....	63
283,501	519,321	770,277	2,890	31,402	32,512	4,034,734	38,821	8,300,728	4,227,173	1,319	1,120	47	2	150	873	64
574,175	401,428	3,469,473	77,772	124,123	60,729	7,810,373	645,315	15,451,576	6,995,888	14,685	14,013	270	25	377	2,283	65
48,283	35,121	182,417	12	2,371	11,387	1,136,790	21,246	1,568,612	410,576	3,113	3,056	2	.....	55	657	66
1,351,629	4,911,444	8,737,295	28,315	128,845	154,489	16,810,210	429,810	44,395,789	27,155,769	36,537	31,430	1,622	20	3,465	60,803	67
9,085	4,992	98,071	.....	16,690	146	32,072	7,406	229,914	190,436	291	35	144	.....	112	.....	68

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

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

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

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. 16 and over. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
1	Emery and other abrasive wheels	7	148	2	12	29	5	100	Ja 120	No 75	91	91	.....	.....	.....	$721,126
2	Enameling	7	284	4	14	14	8	244	Ja 266	Jy 226	249	195	46	8	.....	900,016
3	Engines, steam, gas, and water	56	6,352	24	188	785	133	5,222	Ap 5,421	De 4,995	4,877	4,872	3	2	.....	25,900,475
4	Engraving and diesinking	47	132	49	2	4	4	73	De 82	Ja 69	76	74	.....	2	.....	133,746
5	Engraving, steel and copper plate, including plate printing.	41	1,239	42	34	85	71	1,007	De 1,071	Jy 881	1,044	557	446	30	11	2,139,176
6	Engraving, wood	6	8	6	.....	.....	.....	2	De 3	Mh 1	3	3	.....	.....	.....	2,046
7	Envelopes	12	646	7	37	78	20	504	Oc 527	Ja 457	515	150	354	6	5	986,914
8	Explosives	33	1,360	18	74	193	38	1,037	My 1,112	De 760	958	929	27	2	.....	8,519,334
9	Fancy articles, not elsewhere specified.	35	612	29	24	23	21	515	.....	.....	480	201	266	6	7	916,660
10	Metal novelties	7	65	3	7	5	2	48	Se 59	Ja [3] 40	57	34	22	1	.....	135,377
11	Paper novelties	6	143	5	3	1	4	130	Jy 156	Ja 114	123	55	60	2	6	147,053
12	Celluloid and wood novelties	3	27	3	1	1	1	21	Je 27	No [3] 14	17	15	2	.....	.....	27,158
13	All other	19	377	18	13	16	14	316	Oc 344	De 276	283	97	182	3	1	607,072
14	Feathers and plumes	11	489	12	2	23	18	434	Ap 481	De 358	426	44	316	2	64	506,260
15	Felt goods	6	169	1	10	6	2	150	De 172	Fe 84	171	155	16	.....	.....	675,951
16	Fertilizers	47	1,384	51	73	120	30	1,110	Mh 1,391	No 902	997	997	.....	.....	.....	6,658,303
17	Files	7	1,414	2	17	61	19	1,315	Fe 1,338	De 1,285	1,285	958	252	58	17	3,017,605
18	Fire extinguishers, chemical	3	12	2	1	3	1	5	(4) 5	(4) 5	5	5	.....	.....	.....	67,665
19	Fireworks	6	72	3	7	2	3	57	Je 81	Jy 18	79	34	44	1	.....	92,807
20	Flags and banners	8	168	8	3	10	7	140	My 196	Ja 118	136	54	78	4	.....	283,849
21	Flavoring extracts	34	143	35	6	28	5	69	My 73	Ja 66	71	42	21	8	.....	281,484
22	Flour-mill and gristmill products	1,265	4,695	1,613	180	203	104	2,595	No 2,678	Je 2,530	2,687	2,660	10	17	.....	23,352,164
23	Food preparations, not elsewhere specified.	131	2,079	134	84	240	109	1,512	.....	.....	1,545	1,127	373	27	18	4,310,747
24	Breadstuff preparations and sirups.	10	328	6	16	41	16	249	Jy 300	Ja 210	203	156	47	.....	.....	1,126,452
25	Macaroni, vermicelli, and noodles.	35	529	42	12	25	5	445	No 486	Je 409	481	353	106	11	11	987,439
26	Meat products and sausage casings.	14	179	14	6	22	7	130	No 151	My 112	147	104	43	.....	.....	276,913
27	Other food products for human consumption.	60	912	64	41	133	72	602	Oc 654	Jy 567	625	426	176	16	7	1,582,946
28	For animals and fowls	12	131	8	9	19	9	86	Mh 99	Jy 72	89	88	1	.....	.....	336,997
29	Foundry and machine-shop products	1,231	66,822	990	2,231	5,382	1,103	57,116	.....	.....	53,664	52,906	457	281	20	211,900,618
30	Boiler shops	33	2,939	25	121	192	47	2,554	Ja 2,786	No 2,387	2,529	2,521	2	6	.....	9,927,877
31	Foundries	144	8,793	117	229	335	75	8,037	Fe 8,537	No 7,215	7,698	7,513	156	29	.....	17,924,485
32	Machine shops	1,054	55,090	848	1,881	4,855	981	46,525	Ja 49,008	De 42,277	43,437	42,872	299	246	20	184,048,256
33	Foundry supplies	12	242	7	21	32	8	174	Au 208	Fe 141	167	166	1	.....	.....	1,083,693
34	Fur goods	63	347	68	17	17	33	212	No 354	Ap 103	326	171	152	2	1	1,020,459
35	Furnishing goods, men's	54	1,769	72	46	92	32	1,527	No 1,685	Au 1,336	1,646	237	1,316	23	70	1,372,785
36	Furniture	316	13,451	331	392	748	220	11,760	.....	.....	11,553	11,045	362	141	5	27,641,462
37	Wood, and rattan and willow	244	10,042	246	316	416	150	8,914	Mh 9,179	De 8,507	8,761	8,311	318	127	5	16,952,709
38	Metal	15	2,260	17	47	276	51	1,869	Ja 2,057	Jy 1,637	1,812	1,768	40	4	.....	9,471,306
39	Store and office fixtures	57	1,149	68	29	56	19	977	Mh 1,050	Se 925	980	966	4	10	.....	1,217,447
40	Furs, dressed	5	55	8	2	1	1	43	No [3] 50	Mh 34	45	42	2	1	.....	92,126
41	Galvanizing	10	310	1	20	15	4	270	Mh 322	No 229	237	237	.....	.....	.....	466,595
42	Gas and electric fixtures	44	1,138	44	48	91	33	922	.....	.....	870	695	159	16	.....	1,918,328
43	Gas fixtures	19	425	19	18	27	12	349	Ja 432	Jy 270	318	162	151	5	.....	654,017
44	Electric fixtures	14	530	14	19	45	19	433	No 462	De 415	415	401	4	10	.....	890,540
45	All other	11	183	11	11	19	2	140	No 152	Mh 134	137	132	4	1	.....	373,771
46	Gas, illuminating and heating	99	4,556	6	163	1,420	171	2,796	Se 3,263	Fe 2,551	2,636	2,630	6	.....	.....	70,800,220
47	Gas machines and gas and water meters.	14	1,402	2	23	129	22	1,226	.....	.....	1,166	1,104	56	6	.....	4,012,600
48	Gas meters and water meters	8	1,286	.....	17	110	21	1,138	Ap 1,236	De 982	1,071	1,013	53	5	.....	3,407,728
49	All other	6	116	2	6	19	1	88	Je 93	Ja [3] 82	95	91	3	1	.....	604,872
50	Glass	103	25,013	41	426	657	283	23,606	Mh 26,391	Jy 18,056	26,353	23,493	1,448	1,128	284	61,474,647
51	Glass, cutting, staining, and ornamenting.	104	2,341	98	84	100	57	2,002	Fe 2,155	Jy 1,785	2,020	1,500	416	47	57	2,911,487
52	Gloves and mittens, leather	7	92	6	5	2	1	78	Ja 107	Se 62	74	25	42	1	6	89,669
53	Glue, not elsewhere specified	8	594	4	19	38	14	519	Fe 581	Se 439	528	504	20	4	.....	2,820,250
54	Gold and silver, reducing and refining, not from the ore.	5	16	5	2	.....	1	8	(4) 8	(4) 8	9	9	.....	.....	.....	48,223
55	Grease and tallow, not including lubricating greases.	50	748	91	18	46	3	590	No 609	Ja [3] 578	599	590	8	1	.....	2,578,904
56	Haircloth	15	523	15	12	19	11	466	Fe 482	No 429	476	216	243	7	10	2,056,989
57	Hair work	16	128	23	3	5	4	93	Mh 103	Se 83	94	25	69	.....	.....	231,527
58	Hammocks	3	191	4	8	10	6	163	Je 215	Au 122	146	77	61	5	3	421,787
59	Hand stamps	28	312	28	8	27	21	228	Ja 299	Au 115	219	167	41	11	.....	634,930
60	Hardware	65	5,624	54	145	204	109	5,112	.....	.....	5,031	4,284	444	240	63	12,308,203
61	Locks	9	2,174	3	33	95	43	2,000	Mh 2,068	My 1,933	1,987	1,677	189	94	27	4,764,767
62	Hinges and other builders' hardware.	13	743	11	15	25	10	682	Mh 730	De 637	637	428	147	40	22	2,008,885
63	All other	43	2,707	40	97	84	56	2,430	Ap 2,592	Jy 2,304	2,407	2,179	108	106	14	5,534,551
64	Hardware, saddlery	6	30	5	3	.....	1	21	Mh 23	Ja 18	21	21	.....	.....	.....	73,482

[1] Owned power only.

[2] Includes rented power, other than electric.

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

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
$27,945	$38,783	$66,286	$1,000	$1,292	$1,889	$99,744	$13,723	$324,512	$211,045	512	325	.....	180	7	156	1
22,493	17,555	95,254	.....	2,973	1,773	414,619	11,766	643,669	217,284	795	410	300	.....	85	247	2
482,489	1,013,679	3,520,794	125	6,804	57,121	4,542,632	185,695	11,391,872	6,663,545	12,375	8,540	3,103	.....	732	11,942	3
2,340	3,492	58,362	1,133	9,753	272	14,239	2,568	160,785	143,978	95	15	52	.....	28	.....	4
89,871	132,051	602,297	50,632	49,475	3,001	539,641	12,731	1,773,679	1,221,307	509	125	34	.....	350	7	5
.....	.....	2,000	601	826	.....	524	20	11,032	10,488	.....	.....	.....	.....	.....	.....	6
61,100	58,452	218,494	.....	27,050	493	680,951	10,637	1,301,281	609,693	231	15	5	.....	211	.....	7
199,959	250,407	716,033	.....	3,629	32,866	4,005,411	101,629	6,003,048	1,896,008	5,831	5,004	10	100	717	1,781	8
32,559	27,835	198,505	19,725	17,359	1,508	504,815	9,070	1,082,203	568,318	209	67	39	.....	103	.....	9
6,003	3,419	25,326	400	3,271	154	67,981	673	134,316	65,662	63	.....	13	.....	50	.....	10
3,120	1,809	35,744	1,200	1,180	580	68,548	1,006	150,426	80,872	37	20	15	.....	2	.....	11
1,200	1,250	10,504	50	2,238	11	5,762	152	26,358	20,444	7	7	.....	.....	.....	.....	12
22,236	21,357	126,931	18,075	10,670	763	362,524	7,239	771,103	401,340	102	40	11	.....	51	.....	13
6,500	31,785	147,737	.....	14,976	1,109	350,197	4,183	787,111	432,731	35	25	.....	.....	10	.....	14
28,224	7,888	88,873	.....	150	1,923	288,786	12,835	518,732	217,111	705	495	.....	140	70	.....	15
183,252	164,221	608,406	5,494	22,853	21,277	4,036,995	133,184	6,177,610	2,007,431	4,647	3,779	40	138	690	1,148	16
68,886	56,447	582,894	.....	11,520	4,519	335,646	64,871	1,495,004	1,094,487	1,694	1,445	20	.....	229	245	17
1,350	2,232	3,172	723	820	.....	785	17	11,565	10,763	113	.....	110	.....	3	.....	18
7,249	2,351	36,286	.....	1,845	109	46,359	641	130,711	83,711	25	.....	.....	.....	25	.....	19
5,192	10,503	60,276	1,000	2,260	417	237,531	1,886	379,851	140,434	137	125	6	.....	6	.....	20
8,325	22,868	31,595	.....	7,339	1,474	196,914	1,450	379,224	180,860	28	8	.....	.....	20	.....	21
276,723	195,473	1,424,085	2,873	100,819	113,277	36,781,338	315,544	43,626,356	6,529,474	61,790	20,489	9,147	26,446	5,708	510	22
172,336	253,181	788,882	6,270	30,438	25,348	4,723,869	85,633	7,291,254	2,481,752	3,490	1,718	466	155	1,151	451	23
24,166	52,668	110,245	.....	9,980	4,720	1,064,853	18,418	1,516,261	432,990	680	226	6	.....	448	74	24
16,146	26,352	210,092	100	6,150	5,268	805,091	20,652	1,350,919	525,176	1,215	553	280	155	227	122	25
6,664	19,527	64,504	.....	720	1,061	841,821	3,587	1,048,999	203,591	184	110	14	.....	60	.....	26
114,681	130,260	355,317	4,190	11,418	13,095	1,444,320	28,832	2,584,484	1,111,332	983	637	72	.....	274	255	27
10,679	24,374	48,724	1,980	2,170	1,204	567,784	14,144	790,591	208,663	428	192	94	.....	142	.....	28
5,612,529	6,577,852	36,968,380	315,805	711,524	813,762	60,793,010	2,959,340	140,799,115	77,046,765	136,025	79,908	21,624	530	33,963	78,354	29
290,611	243,302	1,495,742	1,746	5,992	27,162	3,246,242	117,293	6,135,780	2,772,245	6,393	4,242	1,943	.....	208	6,915	30
506,777	430,016	5,153,448	5,378	121,507	84,295	7,566,703	586,931	16,188,061	8,034,427	18,783	9,227	1,861	25	7,670	5,052	31
4,815,141	5,904,534	30,319,190	308,681	584,025	702,305	49,980,065	2,255,116	118,475,274	66,240,093	110,849	66,439	17,820	505	26,085	66,387	32
59,218	34,571	103,200	.....	2,282	4,241	249,953	19,110	551,024	281,961	1,345	570	425	70	280	8	33
32,453	31,378	149,183	1,850	70,270	2,598	518,318	4,847	1,043,417	520,252	45	.....	.....	.....	45	.....	34
77,860	112,199	468,013	49,611	35,559	4,325	1,708,164	13,332	2,758,916	1,037,420	567	215	91	.....	261	48	35
798,133	931,597	6,393,895	63,764	230,368	74,366	10,983,490	259,051	24,147,096	12,904,555	20,424	16,690	1,165	4	2,565	3,007	36
541,067	470,803	4,511,942	52,164	142,848	51,244	7,425,793	195,999	16,662,568	9,040,776	16,578	14,177	687	4	1,710	2,403	37
195,692	397,518	1,338,124	.....	33,386	20,809	2,765,807	43,162	5,517,263	2,708,294	2,511	1,760	147	.....	604	472	38
61,374	63,276	543,829	11,600	54,134	2,313	791,890	19,890	1,967,265	1,155,485	1,335	753	331	.....	251	132	39
2,450	2,000	32,393	2,000	3,610	.....	82,298	946	145,638	62,394	28	25	.....	.....	3	.....	40
42,169	12,165	134,101	1,622	10,460	3,002	492,621	23,410	757,142	241,111	153	43	65	.....	45	2	41
114,765	106,411	548,519	5,534	36,892	5,210	746,554	28,219	1,800,705	1,025,932	648	208	205	.....	235	66	42
40,946	38,044	163,390	1,524	14,085	1,688	316,972	11,392	641,999	313,635	250	8	140	.....	102	5	43
56,009	54,562	301,446	4,000	11,838	3,029	271,894	11,407	837,186	553,885	274	200	10	.....	64	60	44
17,810	13,805	83,683	10	10,969	493	157,688	5,420	321,520	158,412	124	.....	55	.....	69	1	45
232,732	1,295,301	1,420,142	6,631	1,950,783	96,632	1,996,284	4,443,851	16,745,216	10,305,081	12,552	11,094	1,219	73	166	2,503	46
98,217	203,726	792,941	350	11,942	16,725	1,604,209	27,423	3,607,577	1,975,945	1,191	661	321	.....	209	488	47
76,315	173,175	724,564	.....	9,248	13,731	1,380,442	25,407	3,061,178	1,655,329	922	426	299	.....	197	458	48
21,902	30,551	68,377	350	2,694	2,994	223,767	2,016	546,399	320,616	269	235	22	.....	12	30	49
1,139,303	883,311	15,214,434	47,023	35,972	188,323	11,781,613	3,760,092	39,797,822	24,256,117	61,399	41,517	16,394	1	3,487	19,673	50
129,561	157,207	949,408	2,701	35,460	8,407	1,643,202	43,748	3,443,910	1,756,960	1,368	724	259	80	305	95	51
1,590	1,679	24,460	.....	1,770	645	79,349	922	123,326	43,055	30	6	8	.....	16	.....	52
75,511	51,417	290,002	22,865	21,241	10,212	1,321,946	96,305	2,028,762	610,511	1,628	1,611	5	.....	12	897	53
2,780	624	5,732	.....	4,185	42	189,568	1,226	222,247	31,453	54	.....	35	.....	19	.....	54
37,800	38,779	357,822	400	10,055	9,196	2,239,564	92,631	3,129,735	797,540	1,795	1,743	12	.....	40	271	55
42,737	36,090	232,742	2,913	26,576	3,487	1,310,738	13,009	1,938,394	614,647	1,186	1,042	134	.....	10	105	56
2,992	7,532	49,765	.....	17,378	532	74,375	1,942	219,373	143,056	10	.....	.....	.....	10	.....	57
7,800	14,050	61,720	4,000	5,800	1,101	203,251	848	367,833	163,734	158	125	30	.....	3	.....	58
32,950	51,222	149,314	2,250	17,518	1,642	190,710	7,795	533,344	334,839	252	200	30	.....	22	54	59
303,452	255,363	2,360,777	11,250	23,278	35,526	2,920,495	184,355	7,687,845	4,582,995	6,980	5,191	738	10	1,041	2,724	60
92,258	110,678	819,099	.....	10,170	11,722	844,943	56,328	2,707,249	1,805,978	1,930	1,550	240	.....	140	1,138	61
37,703	30,324	295,488	1,250	2,962	6,043	546,599	26,230	1,004,723	431,894	863	295	134	.....	434	.....	62
173,491	114,361	1,246,190	10,000	10,146	17,761	1,528,953	101,797	3,975,873	2,345,123	4,187	3,346	364	10	467	1,586	63
3,180	336	13,890	500	480	590	14,979	1,588	42,339	25,772	107	30	77	.....	.....	.....	64

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

[4] Same number reported throughout the year.

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	Hat and cap materials	5	56	6	4	6	7	33	Je 46	Fe[3] 27	32	19	11	2	.....	$243,333
2	Hats and caps, other than felt, straw, and wool.	66	907	88	18	30	15	756	De 777	Au 730	789	521	253	9	6	816,274
3	Hats, fur-felt	27	6,991	27	32	199	19	6,714	Ja 7,109	De 6,315	6,590	4,954	1,476	94	66	19,525,904
4	Hats, straw	9	389	13	11	11	11	343	Fe 456	Au 174	410	107	299	3	1	486,804
5	Hats, wool-felt	11	498	19	9	9	2	459	My 597	Ja 301	421	273	141	7	.....	614,422
6	Hosiery and knit goods	498	43,465	517	787	678	353	41,130	Mh 42,885	Au 39,548	41,832	8,801	29,081	930	3,020	45,722,610
7	House-furnishing goods, not elsewhere specified.	32	673	28	19	36	21	569	.....	.....	564	193	352	8	11	1,615,074
8	Comforts, quilts, feather pillows, and beds.	9	512	6	14	32	19	441	Jy 479	My 406	432	108	307	8	9	1,423,888
9	All other	23	161	22	5	4	2	128	Se 140	Je 117	132	85	45	.....	2	191,186
10	Ice, manufactured	189	2,667	109	230	148	56	2,124	Jy 2,871	De 1,520	2,300	2,276	17	7	.....	20,618,282
11	Ink, printing	9	182	7	8	10	6	151	Fe[3] 152	Ja 148	152	148	4	.....	.....	1,206,157
12	Ink, writing	6	29	4	6	3	.....	16	No 18	Ja[3] 15	16	10	5	1	.....	47,005
13	Instruments, professional and scientific.	57	1,014	59	43	81	35	796	.....	.....	800	761	26	12	1	1,691,663
14	Medical and surgical	21	609	18	16	36	21	518	Fe 528	No 502	513	481	21	10	1	820,929
15	All other	36	405	41	27	45	14	278	De 291	Au 268	237	230	5	2	.....	870,734
16	Iron and steel, blast furnaces	52	13,205	14	285	1,210	178	11,518	Ap 13,230	No 9,417	10,988	10,981	4	3	.....	180,585,390
17	Iron and steel, steel works and rolling mills.	178	144,954	36	2,101	9,640	1,222	131,955	Mh 142,367	No 114,695	129,021	127,914	420	651	36	601,245,338
18	Iron and steel, bolts, nuts, washers, and rivets.	25	2,868	12	94	163	52	2,547	Ja 2,760	No 2,231	2,247	2,086	99	62	.....	10,911,388
19	Iron and steel forgings	43	2,445	12	95	110	23	2,205	Ap 2,385	Oc 2,010	2,332	2,268	1	63	.....	8,265,005
20	Iron and steel, nails and spikes, cut and wrought, including wire nails.	8	270	4	13	35	7	211	.....	.....	249	212	33	4	.....	1,020,224
21	Cut and wire nails	4	110	2	8	5	5	90	Ap 94	Ja[3] 87	88	84	2	2	.....	386,713
22	All other, includng tacks	4	160	2	5	30	2	121	Oc[3] 160	Ja[3] 107	161	128	31	2	.....	633,511
23	Iron and steel, cast-iron pipe	7	1,945	.....	27	64	19	1,835	Jy 1,992	No 1,609	1,789	1,779	4	6	.....	5,241,345
24	Iron and steel, wrought pipe	12	4,416	3	116	272	35	3,990	Ap 5,450	No 2,516	3,604	3,603	.....	1	.....	16,803,064
25	Japanning	3	20	3	.....	.....	1	16	Mh 19	Au[3] 15	15	13	2	.....	.....	19,581
26	Jewelry	117	769	143	20	28	29	549	Fe 568	Au 531	542	464	55	21	2	1,511,036
27	Jewelry and instrument cases	10	115	9	7	8	2	89	Oc 104	Ja 82	85	43	41	1	.....	77,081
28	Jute goods	11	880	10	19	17	5	829	Fe 864	De 761	771	383	348	20	20	1,741,086
29	Labels and tags	16	511	11	19	24	12	445	Ap[3] 457	De 424	437	225	186	20	6	700,230
30	Lamps and reflectors	17	497	20	18	36	18	405	No 430	Ja 362	431	366	59	5	1	1,476,914
31	Lapidary work	5	22	4	.....	1	1	16	(4) 16	(4) 16	16	14	1	1	.....	12,000
32	Lasts	5	100	7	2	8	1	82	Fe[3] 87	Au[3] 77	85	85	.....	.....	.....	129,335
33	Lead, bar, pipe, and sheet	4	83	.....	6	16	3	58	Jy 64	Oc[3] 56	56	56	.....	.....	.....	913,797
34	Leather goods, not elsewhere specified	28	1,149	33	15	111	39	951	Oc 1,051	Ja 896	950	377	432	30	111	1,619,162
35	Leather, tanned, curried, and finished.	120	12,833	106	293	366	80	11,988	Je 12,460	De 11,229	11,296	10,727	472	62	35	79,908,690
36	Lime	265	3,637	281	89	91	48	3,128	Se 3,438	Ja 2,766	3,199	3,195	1	3	.....	7,887,418
37	Liquors, distilled	71	1,280	122	101	246	40	771	Mh 901	Au 612	899	708	171	18	2	20,371,994
38	Liquors, malt	215	9,268	109	570	1,012	65	7,512	Jy 7,901	Fe 7,225	7,354	7,335	14	5	.....	109,939,985
39	Liquors, vinous	5	6	5	.....	.....	.....	1	Se[3] 4	Au[3] 1	8	6	.....	2	.....	29,925
40	Lithographing	23	1,007	18	28	78	25	858	Ja 903	Au 832	850	679	135	25	11	1,993,695
41	Looking-glass and picture frames	46	368	55	10	19	19	265	No 304	Jy 224	255	218	34	3	.....	452,580
42	Lubricating greases	12	252	6	20	36	37	153	Au 170	De 121	117	117	.....	.....	.....	1,187,310
43	Lumber and timber products	1,654	13,365	2,122	219	216	54	10,754	Ap 11,727	De 10,183	13,603	13,536	54	11	2	17,434,835
44	Lumber, planing-mill products, not including planing mills connected with sawmills.	613	10,518	760	477	506	189	8,586	Au 9,207	Fe 7,868	8,451	8,263	115	65	8	26,000,548
45	Malt	4	19	2	4	.....	.....	13	Fe 23	Je[3] 8	23	23	.....	.....	.....	73,264
46	Marble and stone work	602	8,424	703	296	203	56	7,166	.....	.....	7,632	7,593	11	28	.....	11,885,999
47	Marble and stone	517	3,700	630	117	114	31	2,808	Au 3,234	Fe 2,144	2,992	2,982	4	6	.....	6,221,875
48	Roofing slate	51	3,443	42	127	62	14	3,198	Ap 3,491	Fe 2,908	3,478	3,457	5	16	.....	4,369,360
49	Other slate products	34	1,281	31	52	27	11	1,160	Au 1,235	Fe 1,043	1,162	1,154	2	6	.....	1,294,764
50	Mattresses and spring beds, not elsewhere specified.	74	1,225	81	45	70	43	986	Je 1,023	Ja 950	988	770	200	17	1	2,211,337
51	Millinery and lace goods, not elsewhere specified.	114	4,026	160	50	113	118	3,585	.....	.....	3,491	702	2,711	12	66	3,675,470
52	Embroideries	33	647	47	15	5	7	573	Ap 609	Jy 528	582	79	470	6	27	468,117
53	Trimmed hats and hat frames	50	1,373	69	20	51	70	1,163	Mh 1,562	Jy 775	1,245	185	1,045	3	12	891,915
54	Dress and cloak trimmings, braids and fringes.	10	446	18	4	30	6	388	Mh 535	Ap 281	341	163	169	2	7	786,425
55	Women's neckwear	4	86	13	.....	5	3	65	Mh[3] 74	Jy 44	71	2	69	.....	.....	73,178
56	All other	17	1,474	13	11	22	32	1,396	Oc 1,479	Ja 1,288	1,252	273	958	1	20	1,455,835
57	Mineral and soda waters	482	1,938	555	65	114	53	1,151	Jy 1,298	Ja 965	1,106	1,079	12	15	.....	4,797,194
58	Minerals and earths, ground	56	1,000	38	82	44	14	822	Se 892	De 663	796	794	.....	2	.....	4,688,624
59	Mirrors, framed and unframed, not elsewhere specified.	13	306	11	7	19	14	255	No 265	My[3] 247	266	203	56	5	2	661,361
60	Models and patterns, not including paper patterns.	79	512	83	33	10	9	377	Mh 405	Se 347	397	395	.....	2	.....	559,562
61	Motorcycles, bicycles, and parts	8	202	10	13	15	8	156	Ap 250	Au 77	126	125	1	.....	.....	340,292

[1] Owned power only.

[2] Includes rented power, other than electric.

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

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

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
$15,200	$8,780	$14,623	.....	$5,060	$228	$283,185	$435	$371,020	$87,400	4	.....	.....	.....	4	.....	1
39,954	90,676	446,338	$35,581	38,045	1,010	849,613	11,150	1,759,284	898,521	113	10	4	.....	99	.....	2
155,155	225,432	3,933,731	2,000	14,703	82,820	3,762,624	125,906	11,040,820	7,152,290	6,241	5,527	45	.....	669	3,470	3
28,328	21,988	161,733	3,596	22,290	548	641,429	7,233	1,010,821	362,159	74	30	.....	.....	44	.....	4
14,125	9,290	175,166	.....	4,730	3,478	423,021	14,564	776,878	339,293	1,072	990	.....	45	37	.....	5
1,431,804	874,025	15,382,310	1,103,541	439,683	102,300	37,313,244	443,057	64,153,449	26,397,148	23,861	16,639	1,507	775	4,940	3,803	6
44,716	51,090	207,042	1,517	9,520	3,394	1,283,727	9,955	1,881,817	588,135	639	460	31	8	140	1	7
41,030	46,773	157,835	200	4,066	3,024	1,092,132	7,347	1,557,000	457,521	514	435	.....	.....	79	1	8
3,686	4,317	49,207	1,317	5,454	370	191,595	2,608	324,817	130,614	125	25	31	8	61	.....	9
278,011	149,612	1,288,879	17,978	40,731	102,261	546,423	906,611	5,194,493	3,741,459	43,937	40,759	1,889	199	1,090	1,208	10
25,100	11,314	106,178	100	6,513	2,332	809,892	13,449	1,051,871	228,530	341	200	112	.....	29	60	11
7,296	1,973	6,276	248	1,420	285	35,245	326	62,364	26,793	37	16	21	.....	.....	.....	12
108,362	103,593	460,686	3,189	48,990	6,012	373,430	18,019	1,653,773	1,262,324	808	562	119	.....	127	207	13
57,430	63,847	284,565	534	27,766	2,385	141,421	10,877	924,514	772,216	645	550	58	.....	37	207	14
50,932	39,746	176,121	2,655	21,224	3,627	232,009	7,142	729,259	490,108	163	12	61	.....	90	.....	15
918,887	1,599,397	9,337,086	223,043	418,731	760,124	82,537,986	32,963,403	135,806,067	20,304,678	477,588	414,815	60,605	366	1,802	74,495	16
6,515,506	12,211,843	96,926,375	148,031	463,593	2,205,514	258,086,670	27,295,414	448,106,324	162,724,240	1,270,642	1,194,594	28,418	213	47,417	529,869	17
297,096	188,080	1,241,430	13,176	10,312	48,795	3,951,398	193,330	6,562,382	2,417,654	8,796	3,535	845	350	4,066	1,835	18
202,389	143,766	1,356,031	18,742	7,637	22,572	2,361,443	351,637	5,166,761	2,453,681	9,008	5,429	468	.....	3,111	3,103	19
31,020	71,394	118,635	.....	1,225	1,442	387,897	15,077	697,083	294,109	887	300	400	.....	187	.....	20
15,820	6,192	45,375	.....	1,225	99	273,060	6,775	363,787	83,952	327	150	.....	.....	177	.....	21
15,200	65,202	73,260	.....	.....	1,343	114,837	8,302	333,296	210,157	560	150	400	.....	10	.....	22
85,959	76,786	1,028,490	.....	2,900	25,316	3,084,740	210,624	4,550,718	1,255,354	4,062	1,866	.....	.....	2,196	3,941	23
272,715	272,933	2,544,151	2,150	2,690	62,435	12,963,378	538,646	17,776,655	4,274,631	10,067	9,807	.....	.....	260	10,261	24
.....	307	9,928	.....	330	111	13,230	1,028	35,662	21,404	4	.....	.....	.....	4	.....	25
26,688	44,195	381,965	14,028	45,372	3,082	808,611	11,377	1,692,797	872,809	319	.....	98	.....	221	15	26
11,333	8,383	40,822	275	6,340	94	29,463	1,792	120,453	89,198	36	.....	9	.....	27	.....	27
61,599	13,607	344,099	12,100	7,420	5,611	1,171,626	18,622	1,791,545	601,297	1,918	1,722	65	.....	131	85	28
36,224	42,684	219,169	18,292	5,768	2,726	526,450	7,887	1,018,363	484,026	206	4	53	.....	149	.....	29
41,343	58,254	238,069	.....	14,782	5,463	544,683	13,569	1,062,826	504,574	500	350	29	.....	121	.....	30
.....	1,040	12,080	250	2,106	6	30,360	408	54,200	23,432	6	.....	.....	.....	6	.....	31
3,700	13,475	55,100	.....	2,529	180	28,141	4,025	135,616	103,450	183	100	40	.....	43	61	32
20,106	25,024	39,447	.....	940	5,216	872,057	9,898	1,006,136	124,181	537	470	37	.....	30	38	33
57,944	146,941	399,467	15	23,260	4,260	924,636	8,706	1,839,869	906,527	321	198	28	.....	95	54	34
932,872	444,242	6,492,420	6,790	164,946	230,450	67,435,795	872,925	85,252,532	16,943,812	39,964	33,105	5,722	26	1,111	7,999	35
150,807	96,774	1,403,687	4,156	21,359	25,832	661,830	731,495	3,948,018	2,554,693	8,725	6,496	276	66	1,887	38	36
319,182	398,515	422,277	12,696	37,356	10,349,080	3,391,573	152,283	15,950,605	12,406,749	7,218	6,654	221	12	331	207	37
2,209,961	1,332,256	6,320,629	48,458	458,712	9,039,108	14,516,901	1,185,620	50,362,792	34,660,271	58,147	55,297	526	56	2,268	11,320	38
.....	.....	585	.....	.....	779	8,731	51	20,800	12,018	5	.....	5	.....	.....	.....	39
84,825	147,403	595,748	13,989	63,240	2,494	841,282	16,190	1,946,687	1,089,215	813	455	108	.....	250	599	40
14,543	29,535	148,205	320	25,408	1,335	255,699	5,248	579,686	318,739	185	100	5	.....	80	.....	41
54,826	88,749	88,888	49,744	10,126	7,073	586,456	13,440	1,361,355	761,459	1,566	1,300	259	.....	7	884	42
309,101	201,542	5,110,816	2,397,890	14,045	248,136	6,426,124	103,533	19,983,752	13,454,095	56,118	52,501	1,814	1,498	305	1,803	43
758,182	551,373	5,535,602	209,517	136,202	106,765	14,116,534	291,043	24,861,997	10,454,420	35,854	20,699	3,477	755	10,923	2,431	44
2,850	.....	9,135	.....	1,265	225	73,927	1,499	100,096	24,670	56	54	.....	.....	2	.....	45
370,784	192,785	4,136,884	96,800	76,265	53,469	3,488,693	332,157	10,631,294	6,810,444	27,179	21,395	2,523	155	3,106	489	46
169,636	122,728	1,905,167	93,977	61,213	28,161	2,808,286	154,301	6,862,323	3,899,736	10,760	6,313	2,463	155	1,829	483	47
132,623	45,206	1,594,106	2,212	3,947	21,652	319,749	110,999	2,449,917	2,019,169	11,848	11,087	35	.....	726	.....	48
68,525	24,851	637,611	611	11,105	3,656	360,658	66,857	1,319,054	891,539	4,571	3,995	25	.....	551	6	49
88,796	87,149	541,646	2,696	54,328	8,481	1,713,416	26,169	3,063,127	1,323,542	1,746	651	317	.....	778	357	50
91,817	179,991	1,451,919	6,932	149,138	4,839	2,851,963	27,818	6,272,893	3,393,112	934	625	66	.....	243	69	51
20,827	6,831	236,604	5,436	15,730	836	112,612	5,883	508,578	390,083	135	25	5	.....	105	10	52
37,543	79,581	551,065	1,033	61,504	643	1,445,053	8,210	2,614,957	1,161,694	87	.....	11	.....	76	.....	53
5,810	41,973	182,647	.....	10,776	1,864	310,157	5,412	779,003	463,434	173	120	29	.....	24	58	54
.....	6,464	26,465	.....	2,680	.....	78,744	684	164,154	84,726	7	.....	.....	.....	7	.....	55
27,637	45,142	455,138	463	58,448	1,496	905,397	7,629	2,206,201	1,293,175	532	480	21	.....	31	1	56
105,885	203,500	711,040	5,980	92,776	31,286	2,181,346	48,937	5,078,746	2,848,463	1,901	688	396	24	793	161	57
127,904	37,550	426,595	13,074	23,173	16,430	994,354	139,324	2,280,939	1,147,261	8,930	5,793	199	430	2,508	51	58
65,600	31,995	142,816	975	7,618	3,367	441,848	8,241	799,807	349,718	327	200	80	.....	47	1	59
37,718	9,210	264,232	975	22,986	1,973	138,931	12,606	584,627	433,090	803	15	365	.....	423	.....	60
13,760	13,583	110,524	.....	2,280	644	180,181	5,805	351,593	165,607	122	65	15	.....	42	.....	61

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

[4] Same number reported throughout the year.

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

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

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
1	Mucilage and paste	13	140	9	18	13	8	92	Au 100	No 83	96	70	26	.....	.....	$445,894
2	Musical instruments and materials	18	106	19	4	4	6	73	.....	.....	75	64	.....	11	.....	178,798
3	Brass and other metal	8	67	10	4	4	4	45	De 52	Mh [3] 43	47	37	.....	10	.....	131,788
4	Violins and other stringed instruments.	10	39	9	.....	.....	2	28	Ja 30	Jy [3] 27	28	27	.....	1	.....	47,010
5	Musical instruments, organs	8	189	6	8	6	6	163	Je 175	De 136	155	151	3	.....	1	272,455
6	Musical instruments, pianos	13	728	10	24	34	14	646	Fe 732	Se 579	624	600	17	7	.....	2,402,457
7	Musical instruments, piano and organ materials.	7	136	7	6	3	7	113	De 135	Ja 100	126	124	2	.....	.....	256,717
8	Oil, not elsewhere specified	38	860	15	132	181	55	477	Mh 505	Au 451	467	449	5	13	.....	9,418,079
9	Oilcloth and linoleum, floor	5	1,980	.....	22	121	34	1,803	Oc 1,927	Jy 1,621	1,864	1,852	5	7	.....	9,446,876
10	Optical goods	37	1,134	33	39	138	70	854	De 872	Ja 823	872	420	296	72	84	1,439,629
11	Paints	91	3,358	75	208	447	136	2,492	Je 2,612	De 2,425	2,498	2,406	77	14	1	15,942,052
12	Paper and wood pulp	53	8,064	17	154	353	93	7,447	.....	.....	7,350	6,774	569	5	12	34,962,148
13	Paper exclusively	41	2,855	15	85	90	41	2,624	Ap 2,725	De 2,516	2,613	2,419	182	3	9	12,185,174
14	Paper and pulp	12	5,209	2	69	263	52	4,823	Fe 4,929	De 4,746	4,737	4,355	377	2	3	22,776,974
15	Paper goods, not elsewhere specified.	14	493	10	19	76	27	361	Ja [3] 392	De 306	335	209	111	7	8	1,241,788
16	Patent medicines and compounds	237	1,601	211	134	304	138	814	Mh 855	Au 772	836	436	379	13	8	3,930,395
17	Paving materials	111	2,540	98	81	86	8	2,267	Oc 2,980	Fe 1,127	2,515	2,507	1	7	.....	5,193,689
18	Peanuts, grading, roasting, cleaning, and shelling.	7	264	5	5	13	7	234	Mh 238	Oc 229	237	83	154	.....	.....	235,968
19	Pens, fountain and stylographic	4	47	2	6	9	1	29	Ja 36	Oc 20	31	25	5	1	.....	174,721
20	Perfumery and cosmetics	41	288	37	32	29	30	160	Oc 175	Ja 136	165	58	101	.....	6	384,393
21	Petroleum, refining	48	5,709	33	147	555	72	4,902	Fe 5,201	My 4,622	4,791	4,740	30	21	.....	55,393,563
22	Photo-engraving	29	847	33	37	108	39	630	Ja 647	De 612	617	584	23	10	.....	683,144
23	Photographic apparatus	4	32	3	1	.....	3	25	Fe 31	De 19	19	17	2	.....	.....	34,975
24	Photographic materials	4	67	5	2	13	1	46	Au 50	Se [3] 43	43	32	3	8	.....	216,850
25	Pickles, preserves, and sauces	49	4,420	51	96	1,431	274	2,568	.....	.....	2,296	1,185	1,035	9	67	11,332,154
26	Preserves	22	425	27	10	67	14	307	Se 387	Ja 242	287	167	117	2	1	1,135,731
27	Pickles and sauces	27	3,995	24	86	1,364	260	2,261	Se 2,720	Ja 1,877	2,009	1,018	918	7	66	10,196,423
28	Plated ware	4	88	3	3	2	.....	80	Fe 90	Se 74	81	69	11	1	.....	157,526
29	Plumbers' supplies, nor elsewhere specified.	36	4,695	22	152	318	96	4,107	Au 4,440	No [3] 3,868	4,115	4,033	47	32	3	10,482,065
30	Pocketbooks	5	61	4	3	5	4	45	Ap 50	Au 39	46	26	20	.....	.....	61,218
31	Pottery	21	1,645	15	34	16	16	1,564	.....	.....	1,608	1,178	392	24	14	2,402,742
32	Chinaware	8	1,206	3	22	10	13	1,158	Oc 1,207	Fe 1,055	1,206	820	354	23	9	1,699,757
33	Earthen and stone ware	13	439	12	12	6	3	406	Fe 420	My 381	402	358	38	1	5	702,985
34	Printing and publishing, book and job.	1,206	13,506	1,347	558	877	585	10,139	.....	.....	10,339	7,556	2,400	325	58	24,398,868
35	Job printing	1,124	12,032	1,244	486	649	374	9,279	Ja 9,615	Jy 8,948	9,469	7,001	2,118	304	46	18,331,823
36	Book publishing and printing	16	1,051	17	34	93	133	774	Oc [3] 791	Ap 745	780	472	275	21	12	4,220,128
37	Book publishing without printing	51	305	65	36	131	73	.....	.....	.....	.....	.....	.....	.....	.....	1,680,119
38	Linotype work and typesetting.	15	118	21	2	4	5	86	Ja 92	Jy 77	90	83	7	.....	.....	166,798
39	Printing and publishing, music	13	179	15	4	25	12	123	No 140	De 107	108	90	16	2	.....	330,352
40	Printing and publishing, newspapers and periodicals.	1,133	20,501	916	1,045	3,977	1,813	12,750	.....	.....	12,996	10,110	2,448	426	12	56,002,339
41	Printing and publishing	77	8,685	36	331	1,982	681	5,655	Ja 6,032	Au 5,220	5,827	4,196	1,496	128	7	31,260,703
42	Printing, publishing, and job printing.	767	10,534	697	544	1,498	700	7,095	My 7,165	Au 7,021	7,169	5,914	952	298	5	21,407,052
43	Publishing without printing	289	1,282	183	170	497	432	.....	.....	.....	.....	.....	.....	.....	.....	3,325,584
44	Printing materials	8	70	6	9	12	3	40	Oc 44	Ja [3] 38	40	40	.....	.....	.....	87,921
45	Pumps, not including steam pumps.	7	26	6	1	3	2	14	De 20	Fe [3] 13	15	14	.....	1	.....	44,756
46	Pumps, steam and other power	8	618	11	18	52	14	523	.....	.....	493	486	7	.....	.....	1,897,292
47	Steam	4	371	3	10	29	9	320	Fe 340	My 292	308	301	7	.....	.....	1,339,041
48	Other power	4	247	8	8	23	5	203	My 220	De 185	185	185	.....	.....	.....	558,251
49	Refrigerators	8	413	4	17	54	10	328	Mh 360	Ja 296	338	338	.....	.....	.....	1,028,788
50	Regalia and society badges and emblems.	24	136	22	11	10	7	86	My 97	No 78	83	31	50	1	1	144,729
51	Roofing materials	17	724	9	41	76	32	566	Se 627	De 455	533	533	.....	.....	.....	3,201,281
52	Rubber goods, not elsewhere specified	19	3,585	9	64	232	108	3,172	My 3,698	No 2,668	2,746	2,360	336	33	17	12,326,867
53	Saddlery and harness	189	1,050	211	20	56	23	740	My 787	No 692	711	621	79	9	2	2,018,198
54	Safes and vaults	8	856	1	35	49	12	759	Ja 862	No 628	683	683	.....	.....	.....	2,342,990
55	Sausage, not made in slaughtering and meat-packing establishments.	20	100	24	2	2	1	71	Oc 84	Fe 62	82	64	18	.....	.....	158,687
56	Scales and balances	6	500	3	24	88	10	375	Je 398	Se 355	364	364	.....	.....	.....	1,621,799
57	Screws, machine	9	177	6	15	16	4	136	Fe 160	Au 121	133	119	11	3	.....	352,349
58	Shipbuilding, including boat building.	33	5,052	37	67	173	2	4,773	Je 5,710	De 3,514	3,630	3,581	9	40	.....	18,285,168
59	Shirts	195	11,929	332	161	380	166	10,890	Mh 11,480	Au 10,247	11,204	1,888	8,693	115	508	6,871,536
60	Show cases	6	56	10	2	2	.....	42	No 52	Fe 37	44	44	.....	.....	.....	52,474
61	Signs and advertising novelties	52	984	57	24	89	34	780	.....	.....	801	564	196	27	14	1,417,916
62	Electric signs	6	63	1	7	8	5	42	Mh 48	No 31	43	39	3	1	.....	77,430
63	Signs other than electric	32	540	37	10	23	15	455	Au 481	Ap 429	450	385	46	19	.....	877,715
64	Advertising novelties	14	381	19	7	58	14	283	Oc 319	Mh 225	308	140	147	7	14	462,771

[1] Owned power only.

[2] Includes rented power, other than electric.

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

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

EXPENSES.										POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
$51,713	$20,660	$47,706	$207	$2,434	$1,987	$566,848	$5,284	$869,307	$297,175	271	137	134	.....	.....	13	1
5,120	5,160	45,645	1,272	3,370	975	20,940	2,918	133,365	109,507	97	20	16	.....	61	.....	2
5,120	4,348	27,502	1,272	1,000	756	10,130	2,216	86,021	73,675	83	20	6	.....	57	.....	3
.....	812	18,143	.....	2,370	219	10,810	702	47,344	35,832	14	.....	10	.....	4	.....	4
15,550	8,086	96,503	4,625	2,076	940	106,884	2,937	266,513	156,692	223	75	29	.....	119	.....	5
83,973	26,596	389,309	1,472	12,314	7,106	736,699	12,990	1,504,502	754,813	869	625	.....	.....	244	400	6
12,340	5,842	68,830	.....	2,370	460	194,704	3,677	312,712	114,331	141	.....	28	.....	113	8	7
374,854	325,417	332,567	2,097	58,693	45,582	7,448,678	88,868	12,272,896	4,735,350	2,213	1,703	453	.....	57	583	8
87,444	190,181	1,072,309	.....	464	12,740	4,441,328	205,575	7,165,362	2,518,459	9,554	5,336	.....	.....	4,218	1,428	9
104,400	156,648	377,379	.....	56,607	3,567	784,922	16,493	2,023,031	1,221,616	370	136	42	.....	192	3	10
545,992	590,623	1,488,185	5,268	95,953	62,303	9,224,981	277,571	14,207,095	4,704,543	11,120	6,806	795	810	2,709	689	11
632,796	467,644	3,482,975	62,573	9,891	94,250	14,272,287	1,774,270	25,439,346	9,392,789	75,305	68,591	60	4,845	1,809	19,176	12
274,609	128,196	1,468,117	.....	9,891	38,214	5,566,644	701,454	9,537,184	3,269,086	31,193	28,201	.....	1,620	1,372	2,358	13
358,187	339,448	2,014,858	62,573	.....	56,036	8,705,643	1,072,816	15,902,162	6,123,703	44,112	40,390	60	3,225	437	16,818	14
61,801	90,382	171,852	400	16,012	1,307	1,002,472	12,376	1,744,191	729,343	432	267	44	.....	121	.....	15
316,044	523,680	404,506	7,702	60,146	23,831	2,059,412	27,092	5,733,868	3,647,364	1,045	542	164	.....	339	186	16
130,153	83,813	1,171,878	19,802	16,068	17,989	1,313,190	160,285	3,574,002	2,100,527	12,256	10,305	200	.....	1,751	30	17
30,897	19,213	81,612	125	6,480	484	865,813	4,207	1,103,146	233,126	176	25	126	.....	25	130	18
7,754	5,849	13,226	.....	1,160	73	33,765	577	125,131	90,789	41	15	20	.....	6	.....	19
44,570	29,047	57,745	350	20,662	3,181	310,007	3,510	686,735	373,218	131	63	40	.....	28	.....	20
441,292	660,331	3,219,048	183,124	17,359	150,694	42,181,115	2,203,379	52,875,101	8,490,607	37,522	33,694	2,842	5	981	4,206	21
110,498	117,944	668,144	15,560	47,802	766	259,958	22,265	1,508,755	1,226,532	314	.....	5	.....	309	.....	22
1,500	2,685	17,742	.....	1,740	173	15,610	1,111	61,028	44,307	18	.....	.....	.....	18	.....	23
4,240	12,008	22,001	.....	3,549	378	100,885	4,937	177,464	71,642	28	.....	5	.....	23	.....	24
306,298	1,683,530	1,130,526	386	33,673	45,546	6,704,600	75,131	13,829,588	7,049,857	3,242	2,832	92	54	264	1,880	25
32,280	104,455	137,004	386	5,447	4,598	1,048,512	16,356	1,580,465	515,597	713	493	15	54	151	.....	26
274,018	1,579,075	993,522	.....	28,226	40,948	5,656,088	58,775	12,249,123	6,534,260	2,529	2,339	77	.....	113	1,880	27
4,525	1,795	52,473	.....	3,994	325	35,672	680	146,639	110,287	55	.....	30	.....	25	.....	28
325,069	319,446	2,706,130	2,782	32,477	34,680	3,380,449	256,507	10,019,414	6,382,458	5,558	4,593	555	.....	410	4,341	29
3,640	6,942	19,287	.....	2,500	6	36,824	1,479	98,503	60,200	11	.....	.....	.....	11	.....	30
60,842	36,000	866,146	4,071	3,872	8,218	536,584	158,334	1,735,873	1,040,955	1,639	1,203	34	110	292	47	31
42,282	28,417	657,900	.....	3,600	5,725	447,433	107,610	1,283,845	728,802	970	580	.....	110	280	37	32
18,560	7,583	208,246	4,071	272	2,493	89,151	50,724	452,028	312,153	669	623	34	.....	12	10	33
1,397,970	1,140,471	6,308,084	726,478	698,268	56,119	8,957,535	258,280	25,285,844	16,070,029	9,585	2,417	1,322	8	5,838	1,199	34
1,196,443	843,131	5,765,013	232,492	615,772	48,488	7,090,494	226,996	20,547,229	13,229,739	8,919	1,984	1,321	8	5,606	960	35
129,201	137,496	470,521	14,555	58,780	6,490	1,677,996	26,608	3,303,491	1,598,887	617	433	.....	.....	184	239	36
69,326	154,042	.....	479,431	19,099	1,109	178,528	1,410	1,286,568	1,106,630	2	.....	.....	.....	2	.....	37
3,000	5,802	72,550	.....	4,617	32	10,517	3,266	148,556	134,773	47	.....	1	.....	46	.....	38
6,872	25,699	68,593	79,020	9,205	120	61,560	2,084	364,194	300,550	27	.....	.....	.....	27	.....	39
2,745,044	4,823,708	9,118,085	1,814,615	545,881	269,307	15,042,549	406,777	52,239,269	36,789,943	23,623	8,667	2,270	209	12,477	4,736	40
1,291,846	2,414,712	4,438,070	121,867	159,350	183,919	9,326,703	158,287	29,098,930	19,613,940	12,815	6,841	1,004	100	4,870	4,573	41
1,150,044	1,804,315	4,680,015	186,554	303,495	76,149	5,269,461	244,702	18,829,205	13,315,042	10,797	1,826	1,266	109	7,596	163	42
303,154	604,681	.....	1,506,194	83,036	9,239	446,385	3,788	4,311,134	3,860,961	11	.....	.....	.....	11	.....	43
22,335	8,266	30,236	90	10,956	321	77,421	2,052	208,044	128,571	55	16	4	.....	35	.....	44
1,000	2,821	8,705	3,312	1,476	37	8,544	499	34,316	25,273	77	20	27	23	7	.....	45
53,790	76,676	310,497	1,849	720	12,646	503,841	26,806	1,094,093	563,446	1,685	615	169	.....	901	.....	46
39,484	58,595	176,524	1,849	300	9,503	319,233	16,623	691,752	355,896	1,159	485	169	.....	505	.....	47
14,306	18,081	133,973	.....	420	3,143	184,608	10,183	402,341	207,550	526	130	.....	.....	396	.....	48
45,394	41,282	245,793	4,064	1,980	10,417	515,321	12,457	1,007,744	479,966	848	225	40	.....	583	20	49
14,090	8,470	39,853	2,231	9,406	224	75,990	2,090	187,449	109,369	31	.....	.....	.....	31	.....	50
106,859	116,765	339,179	104	25,504	10,568	2,799,913	128,506	4,602,466	1,674,047	3,205	757	65	.....	2,383	27	51
289,249	379,520	1,744,128	.....	6,931	24,019	7,135,136	164,116	12,176,847	4,877,595	8,970	7,775	10	220	965	3,408	52
34,940	72,307	384,856	465	39,339	6,791	1,039,083	15,361	2,124,283	1,069,839	459	183	93	.....	183	10	53
73,628	57,882	419,642	2,775	5,353	5,068	725,322	31,898	1,659,178	901,958	1,844	285	.....	.....	1,559	40	54
3,600	2,348	36,125	360	3,020	649	664,830	3,921	790,112	121,361	346	157	13	.....	176	75	55
45,289	99,799	244,676	.....	200	1,288	482,781	9,969	1,102,456	609,706	517	250	75	.....	192	175	56
21,849	7,464	77,148	.....	6,674	685	74,682	6,786	253,020	171,552	188	.....	73	.....	115	.....	57
230,190	143,732	3,411,350	176	4,079	46,782	4,635,922	161,353	9,539,865	4,742,590	9,694	2,243	37	26	7,388	17	58
222,229	519,496	3,422,099	426,628	150,542	8,991	5,839,331	94,403	12,337,163	6,403,429	4,121	1,794	680	.....	1,647	700	59
3,020	1,846	28,513	.....	4,392	250	29,180	1,349	83,800	53,271	61	50	.....	.....	11	.....	60
52,431	194,938	450,150	10,756	28,366	6,373	890,079	25,029	2,082,672	1,167,564	680	500	4	.....	176	360	61
10,583	8,447	30,409	3,565	1,183	51	59,581	488	116,309	56,240	5	.....	.....	.....	5	.....	62
28,668	46,321	275,237	1,354	7,879	4,732	381,757	21,548	1,065,292	661,987	543	500	4	.....	39	360	63
13,180	140,170	144,504	5,837	19,304	1,590	448,741	2,993	901,071	449,337	132	.....	.....	.....	132	.....	64

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

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

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

	Industry and city.	Number of establishments.	Persons engaged in the industry.								Wage earners Dec. 15, or nearest representative day.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of— Maximum month.	Number, 15th day of— Minimum month.		Male.	Female.	Male.	Female.	
1	Silk goods, including throwsters	284	47,107	140	614	1,165	433	44,755			44,051	13,030	25,502	1,733	3,786	$63,916,124
2	Finished products	190	36,475	112	424	1,048	354	34,537	Jy 35,773	De 32,201	33,684	11,297	18,824	1,164	2,399	54,814,123
3	Throwsters and winders	94	10,632	28	190	117	79	10,218	Jy 11,272	No 8,372	10,367	1,733	6,678	569	1,387	9,102,001
4	Silversmithing and silverware	3	20	3	1		2	14	Fe [3] 17	Ja [3] 11	17	16		1		16,000
5	Slaughtering and meat packing	146	4,605	143	161	590	95	3,616	No 3,719	Ap 3,516	3,744	3,647	83	12	2	16,251,971
6	Smelting and refining, not from the ore.	15	232	7	25	16	7	177	Jy 201	Oc 151	263	262	1			1,857,736
7	Soap	50	1,642	55	37	198	193	1,159	Oc 1,184	Fe 1,137	1,155	870	242	41	2	6,714,196
8	Springs, steel, car and carriage, not made in steel works or rolling mills.	17	897	10	42	83	13	749			714	713	1			4,813,112
9	Carriage, wagon, and automobile.	8	209	2	17	3	6	181	Se 206	Fe 161	205	205				488,842
10	Railway	4	530		17	65	4	444	Jy 486	De 383	383	382	1			3,898,319
11	Machinery and other	5	158	8	8	15	3	124	Ja 155	No 104	126	126				425,951
12	Stamped and enameled ware, not elsewhere specified.	34	1,914	20	65	109	40	1,680			1,544	1,170	280	75	19	4,173,109
13	Stamped ware	29	1,349	20	50	68	27	1,184	Je 1,224	No 1,108	1,138	822	237	67	12	2,186,205
14	Enameled ware, bath tubs, and lavatories and sinks.	5	565		15	41	13	496	Ap 586	Ja 324	406	348	43	8	7	1,986,904
15	Stationery goods, not elsewhere specified.	16	897	16	24	90	70	697	Je 761	No 627	692	373	286	27	6	2,032,173
16	Statuary and art goods	18	200	23	10	5	3	159	No 218	Fe 134	194	194				327,631
17	Steam fittings and steam and hot-water heating apparatus.	57	6,959	30	189	794	199	5,747			5,457	5,258	96	102	1	21,599,708
18	Radiators and cast-iron heating boilers.	23	2,154	7	47	264	84	1,752	Oc 1,871	Jy 1,682	1,711	1,666	6	39		7,604,369
19	All other	34	4,805	23	142	530	115	3,995	Fe 4,244	De 3,725	3,746	3,592	90	63	1	13,995,339
20	Steam packing	34	1,938	11	85	160	45	1,637	Fe 1,883	Au 1,381	1,678	1,524	130	13	11	8,134,134
21	Stencils and brands	12	114	12	12	18	6	66	Je [3] 68	Fe 63	66	60	3	3		163,715
22	Stereotyping and electrotyping	21	476	15	22	43	12	384	My 401	De 365	364	353	3	8		644,809
23	Stoves and hot-air furnaces	53	4,117	29	151	268	54	3,615			3,704	3,665	9	30		9,905,757
24	Stoves and ranges	42	3,811	21	118	235	48	3,389	Fe 3,546	Jy 2,884	3,399	3,361	9	29		9,093,775
25	Hot-air furnaces	11	306	8	33	33	6	226	No 306	Ap 167	305	304		1		811,982
26	Stoves, gas and oil	24	622	21	38	51	16	496	My 582	De 431	547	522	15	10		1,476,934
27	Structural ironwork, not made in steel works or rolling mills.	137	11,155	107	282	1,295	163	9,308	Jy 9,728	De 8,298	8,711	8,687	13	11		38,182,188
28	Sugar, refining	3	1,896		44	110	1	1,741	Au 2,023	Fe 1,394	1,686	1,576	101	1	8	19,698,629
29	Sulphuric, nitric, and mixed acids	6	347		12	49	12	274	De 433	Ja 191	429	429				5,689,927
30	Surgical appliances	19	652	23	29	56	35	509	My 526	No 491	517	308	192	8	9	856,139
31	Suspenders, garters, and elastic woven goods.	22	737	23	17	87	23	587	De 687	Ja 477	696	186	459	9	42	787,627
32	Tin plate and terneplate	13	2,600		44	148	40	2,368	Mh 2,595	De 1,997	2,650	2,277	356	17		15,179,343
33	Tinware, not elsewhere specified	36	1,841	34	31	165	36	1,575	Je 1,725	De 1,415	1,428	1,066	320	29	13	6,813,294
34	Tobacco, chewing and smoking, and snuff.	73	607	91	15	52	10	439			456	214	241		1	1,574,926
35	Chewing	9	58	12	2	4		40	Fe 44	My [3] 38	40	9	30		1	63,077
36	Smoking	38	401	44	11	45	8	293	De 302	Ap 285	303	115	188			1,182,558
37	Snuff	3	3	3							1	1				3,325
38	All other	23	145	32	2	3	2	106	Ja 124	Au 86	112	89	23			325,966
39	Tobacco, cigars and cigarettes	2,121	41,079	2,288	425	1,145	290	36,931	No 37,636	Jy 36,035	38,294	13,924	23,155	216	999	29,281,074
40	Tools, not elsewhere specified	71	2,427	74	98	132	46	2,077			2,093	2,041	27	24	1	6,719,289
41	Shovels, spades, scoops, and hoes.	10	483	8	13	19	8	435	Mh 477	Se 343	420	420				1,881,586
42	Carpenters' tools, not elsewhere specified.	4	424	3	8	31	6	376	Je 399	No 345	382	370	8	3	1	1,192,655
43	Machinists' tools	7	713	5	35	29	16	628	Ap 659	No 588	618	598	18	2		1,597,646
44	All other	50	807	58	42	53	16	638	Fe 727	Au 568	673	653	1	19		2,047,402
45	Toys and games	36	1,298	27	40	26	35	1,170	Oc 1,416	Ja 1,031	1,211	769	330	78	34	2,088,614
46	Trunks and valises	58	1,194	76	34	61	21	1,002	Ap 1,103	De 896	989	900	74	10	5	1,296,992
47	Umbrellas and canes	45	2,336	47	41	78	29	2,141	Fe 2,400	Jy 1,947	2,018	909	1,009	46	54	5,027,943
48	Upholstering materials, not elsewhere specified.	16	462	13	19	26	6	398			411	247	149	1	14	1,731,941
49	Excelsior	5	37	9	2			26	Fe [3] 29	Jy [3] 22	29	29				53,350
50	Curled hair	4	114	1	5	10	1	97	Oc 107	Au 89	100	90	10			933,113
51	All other	7	311	3	12	16	5	275	Mh 305	Jy 251	282	128	139	1	14	745,478
52	Varnishes	23	261	15	34	35	26	151	My 154	Ja 147	151	147	4			1,300,843
53	Vault lights and ventilators	6	55	4	4	4	6	37	Ja 56	Jy 21	52	52				108,037
54	Vinegar and cider	49	166	61	10	10	7	78			145	142	2	1		304,344
55	Vinegar	10	69	14	6		5	44	Oc 61	Mh 30	59	56	2	1		135,763
56	Cider	39	97	47	4	10	2	34	Oc 83	Ja [3] 16	86	86				168,581
57	Wall paper, not made in paper mills.	12	1,455	1	30	113	24	1,287	De 1,440	Au 821	1,430	1,152	204	47	27	4,800,726
58	Wall plaster	21	302	10	27	25	14	226	Jy 282	Mh 159	218	218				1,369,534
59	Waste	31	660	38	35	36	22	529			503	415	88			2,066,057
60	Cotton waste	21	496	23	26	21	16	410	Ja 453	No 365	375	296	79			1,732,204
61	All other	10	164	15	9	15	6	119	Fe 144	Jy 90	128	119	9			333,853
62	Wheelbarrows	5	53	2	8	3		40	Ap 55	Se 25	44	44				191,998

[1] Owned power only.

[3] Includes rented power, other than electric.

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

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
$1,032,010	$1,657,660	$16,311,788	$6,098,112	$270,059	$163,005	$47,988,665	$806,816	$86,938,554	$38,143,073	48,915	37,448	1,562	840	9,065	9,737	1
1,282,538	1,513,818	13,718,304	6,072,581	245,445	117,124	46,571,731	481,364	81,034,861	33,981,766	30,851	23,882	1,240	740	4,989	8,931	2
349,472	143,842	2,593,484	25,531	24,614	45,881	1,416,934	325,452	5,903,693	4,161,307	18,064	13,566	322	100	4,076	806	3
1,500	1,028	7,184	.....	1,554	3	8,025	1,135	28,230	19,070	15	.....	.....	.....	15	.....	4
445,039	637,051	2,492,207	18,171	148,402	89,570	57,315,977	288,712	65,191,272	7,586,583	11,883	9,972	317	.....	1,594	3,344	5
80,870	21,151	120,578	10,695	3,000	4,274	3,286,845	31,096	3,611,861	293,920	503	137	182	4	180	46	6
121,281	243,192	657,190	120	13,229	24,231	6,532,779	68,623	10,098,393	3,496,991	2,554	2,189	59	.....	306	322	7
140,605	119,630	451,206	.....	14,227	21,888	1,318,107	100,907	2,457,683	1,038,669	2,161	1,461	323	.....	377	529	8
32,817	8,472	111,851	.....	5,564	1,863	158,999	21,616	401,540	220,925	478	170	88	.....	220	.....	9
80,041	99,666	261,871	.....	4,463	19,070	1,035,540	68,339	1,738,299	634,420	1,238	1,178	50	.....	10	529	10
27,747	11,492	77,484	.....	4,200	955	123,568	10,952	317,844	183,324	445	113	185	.....	147	.....	11
142,103	125,946	790,582	2,070	24,502	13,161	1,467,870	65,363	2,779,800	1,246,567	2,001	711	688	.....	602	120	12
111,372	79,621	540,833	2,070	23,974	7,120	1,075,685	34,098	1,915,639	805,856	1,258	511	338	.....	409	60	13
30,731	46,325	249,749	.....	528	6,041	392,185	31,265	864,161	440,711	743	200	350	.....	193	60	14
83,720	124,647	304,682	8,608	29,830	7,970	1,041,156	14,345	2,117,525	1,062,024	922	625	7	65	225	302	15
17,088	6,037	137,505	10,423	6,834	598	62,873	2,892	333,880	268,115	52	.....	45	.....	7	10	16
581,613	1,044,047	3,475,414	49,607	89,865	74,040	6,450,825	254,072	14,999,061	8,294,164	8,246	4,466	846	.....	2,934	2,414	17
140,561	324,959	1,126,404	9,498	6,250	19,803	2,148,700	96,526	4,861,054	2,615,828	2,873	649	274	.....	1,950	13	18
441,052	719,088	2,349,010	40,109	83,615	54,237	4,302,125	157,546	10,138,007	5,678,336	5,373	3,817	572	.....	984	2,401	19
261,868	213,686	905,238	1,856	27,040	18,429	2,448,583	256,035	5,002,709	2,298,091	6,789	5,631	303	.....	855	2,237	20
18,908	12,052	50,195	615	5,323	637	54,020	1,794	180,015	124,201	106	18	37	.....	51	.....	21
64,376	45,654	318,837	6,548	30,980	1,509	189,410	26,133	923,234	707,691	775	60	74	.....	641	.....	22
333,753	346,651	2,327,682	3,983	39,971	32,938	1,889,809	119,947	6,365,013	4,355,257	4,224	2,615	172	.....	1,437	993	23
283,387	316,834	2,188,498	3,983	32,665	30,772	1,708,224	111,260	5,845,772	4,026,288	3,791	2,288	155	.....	1,348	501	24
50,366	29,817	139,184	.....	7,306	2,166	181,585	8,687	519,241	328,969	433	327	17	.....	89	492	25
76,167	65,817	307,421	2,120	16,617	3,632	927,712	10,737	1,674,913	736,464	548	70	323	.....	155	90	26
778,585	1,601,729	6,308,179	172,837	55,836	128,732	19,981,016	378,968	35,763,060	15,403,076	21,574	8,789	8,363	.....	4,422	22,915	27
187,296	87,130	1,240,297	1,043	1,000	92,549	41,447,743	650,655	45,936,147	3,837,749	16,955	16,955	.....	.....	.....	3,137	28
31,779	54,923	235,857	.....	.....	12,424	428,082	72,299	1,158,479	658,098	6,993	5,942	898	.....	153	2,881	29
79,439	79,978	290,835	600	21,887	4,683	338,259	9,262	1,007,163	659,642	398	310	45	.....	43	.....	30
50,880	190,515	208,819	.....	21,538	1,331	1,400,618	5,735	2,171,156	764,803	149	75	10	.....	64	.....	31
178,087	216,038	1,784,929	.....	900	81,702	31,796,440	137,441	36,795,990	4,862,109	4,259	3,133	.....	.....	1,126	490	32
72,152	161,372	784,923	.....	27,503	13,560	2,834,164	31,867	4,598,543	1,732,512	1,474	830	233	.....	411	626	33
35,760	40,957	178,442	2,135	23,498	426,334	1,095,501	13,594	2,191,618	1,082,523	790	480	6	.....	304	171	34
1,200	2,666	18,422	1,200	312	47,406	79,514	1,218	166,965	86,233	25	.....	.....	.....	25	.....	35
32,021	35,650	120,161	376	13,796	353,310	675,974	5,844	1,546,819	865,001	508	360	.....	.....	148	171	36
.....	.....	120	.....	132	1,026	1,654	27	5,435	3,754	7	.....	2	.....	5	.....	37
2,539	2,641	39,739	559	9,258	24,592	338,359	6,505	472,399	127,535	250	120	4	.....	126	.....	38
783,032	1,405,364	13,261,477	85,720	353,407	6,332,893	22,912,834	132,323	52,021,430	28,976,273	2,572	1,462	180	.....	930	193	39
209,935	189,474	1,152,647	2,529	13,652	20,881	1,772,507	120,401	4,230,586	2,337,678	4,340	2,170	748	230	1,192	386	40
37,419	26,277	214,296	.....	3,324	5,717	422,411	32,660	846,727	391,656	1,125	685	77	230	133	173	41
28,781	50,853	172,798	.....	300	1,651	292,243	30,051	707,022	384,728	1,045	800	.....	.....	245	.....	42
63,361	52,728	371,423	.....	180	4,658	496,069	13,251	1,190,589	681,269	455	325	55	.....	75	38	43
80,374	59,616	394,130	2,529	9,848	8,855	561,784	44,439	1,486,248	880,025	1,715	360	616	.....	739	175	44
105,785	39,096	497,576	9,615	10,709	6,657	599,536	24,442	1,769,073	1,145,095	1,521	970	105	.....	446	.....	45
96,436	163,700	552,553	500	62,540	4,126	1,445,866	16,998	2,695,433	1,232,569	473	289	92	.....	92	.....	46
62,991	259,150	914,974	220	24,836	9,927	2,920,879	42,454	4,469,659	1,506,326	1,747	1,568	62	.....	117	313	47
33,434	50,856	208,361	.....	12,434	3,968	975,445	25,312	1,458,307	457,550	1,078	885	20	50	123	41	48
2,100	.....	11,875	.....	900	211	24,381	1,400	51,895	26,114	305	235	20	50	.....	.....	49
7,244	26,274	60,064	.....	3,224	1,879	504,456	7,823	656,100	143,821	333	250	.....	.....	83	1	50
24,090	24,582	136,422	.....	8,310	1,878	446,608	16,089	750,312	287,615	440	400	.....	.....	40	40	51
163,883	61,613	102,924	.....	8,487	5,337	884,611	12,730	1,797,521	900,180	571	370	132	.....	69	22	52
8,223	6,270	27,525	.....	1,113	485	56,102	992	134,228	77,134	103	40	25	.....	38	.....	53
11,765	16,860	45,409	146	6,301	1,652	316,634	5,949	499,699	177,116	715	427	176	87	25	.....	54
6,725	4,586	27,144	21	5,401	734	181,883	4,067	269,077	83,127	190	95	66	12	17	.....	55
5,040	12,274	18,265	125	900	918	134,751	1,882	230,622	93,989	525	332	110	75	8	.....	56
125,714	172,105	682,846	1,534	35,393	9,473	2,535,419	49,506	4,152,855	1,567,930	1,813	1,480	80	.....	253	255	57
61,567	44,319	125,420	10,484	4,712	3,352	629,804	25,699	1,048,282	392,779	1,333	290	107	.....	936	.....	58
95,290	43,965	256,305	3,119	15,339	7,779	2,513,164	32,973	3,285,380	739,243	2,373	1,480	67	.....	826	20	59
77,360	33,477	193,252	3,119	11,303	6,631	2,106,514	22,812	2,726,007	596,681	1,777	1,240	57	.....	480	20	60
17,930	10,488	63,053	.....	4,036	1,148	406,650	10,161	559,373	142,562	596	240	10	.....	346	.....	61
9,543	3,343	16,483	.....	1,011	368	54,362	2,937	104,260	46,961	111	60	50	.....	1	.....	62

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

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	Window and door screens, and weather strips.	15	181	17	10	5	5	144	.....	.....	175	155	14	2	4	$501,801
2	Window and door screens	11	156	11	7	1	4	133	My 190	Se 51	163	143	14	2	4	443,455
3	Weather strips	4	25	6	3	4	1	11	No 16	Ja [3] 10	12	12	.....	.....	.....	58,346
4	Window shades and fixtures	22	336	22	18	44	9	243	My 290	Au 210	259	184	68	7	.....	614,710
5	Wirework, including wire rope and cable.	59	1,375	45	59	64	28	1,179	Ja 1,238	De 1,107	1,156	900	213	39	4	3,978,885
6	Wood distillation, not including turpentine and rosin.	46	1,351	27	91	34	14	1,185	Ja 1,455	Je 994	1,358	1,358	.....	.....	.....	7,818,808
7	Wood preserving	3	205	.....	7	11	6	181	Mh 219	My 169	171	171	.....	.....	.....	1,697,120
8	Wood, turned and carved	75	1,247	81	45	28	8	1,085	Fe [3] 1,150	Au 988	1,122	1,056	51	15	.....	1,434,498
9	Wooden goods, not elsewhere specified.	26	358	31	14	4	7	302	No 325	Ja 289	325	281	39	5	.....	418,560
10	Wool pulling	8	273	7	13	11	.....	242	Mh 263	No 220	257	257	.....	.....	.....	1,033,992
11	Wool scouring	3	98	4	5	5	2	82	Mh 112	Oc 47	116	98	18	.....	.....	337,600
12	Wool shoddy	12	226	21	6	6	.....	193	De 206	Je [3] 183	203	152	48	3	.....	850,325
13	Woolen and worsted goods	186	25,048	157	380	513	146	23,852	Mh 25,145	No 22,723	24,133	10,591	11,434	904	1,204	53,445,140
14	All other industries *	171	26,593	117	546	1,551	435	23,944	.....	.....	23,918	21,182	2,122	415	199	104,974,563

* All other industries embrace—
Aluminum ware 4
Bags, other than paper 8
Bone, carbon, and lamp black 3
Canning and preserving, fish 2
Cars, electric-railroad, not including operations of railroad companies 2
Cash registers and calculating machines 2
China decorating, not including that done in potteries 4
Clocks 2
Cloth, sponging and refinishing 6
Combs and hairpins, not made from metal or rubber 2
Engravers' materials 1
Firearms 3
Fuel, manufactured 1
Glucose and starch 1
Gold and silver, leaf and foil 4
Graphite, ground and refined 3
Grindstones 1
Horseshoes 4
Iron and steel, doors and shutters 1
Ivory, shell, and bone work, not including combs and hairpins 4
Linen goods 1
Locomotives, not made by railroad companies 8
Matches 2

	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	**ALLENTOWN**—All industries	297	15,072	328	306	573	180	13,685	Mh 14,120	Se 13,040	13,674	8,271	4,734	388	281	$26,715,867
2	Boots and shoes	12	904	11	40	21	12	820	De 858	Je 766	866	535	255	41	35	869,589
3	Bread and other bakery products	33	233	40	1	3	9	180	Jy 189	Ja 172	182	172	7	3	.....	255,570
4	Brick	4	144	7	2	3	1	131	De 161	Ap 102	161	160	.....	1	.....	293,970
5	Carriages and wagons and materials	6	43	11	.....	.....	.....	32	Ap 35	Oc 28	30	30	.....	.....	.....	85,100
6	Clothing, men's	4	165	5	2	10	2	146	Ap 157	De 134	144	35	101	3	5	123,998
7	Confectionery and ice cream	11	54	10	5	3	.....	36	.....	.....	39	33	6	.....	.....	114,566
8	Confectionery	4	8	5	.....	.....	.....	3	(4) 3	(4) 3	3	3	.....	.....	.....	9,485
9	Ice cream	7	46	5	5	3	.....	33	Jy [3] 38	Ja [3] 29	36	30	6	.....	.....	105,081
10	Copper, tin, and sheet-iron work	3	66	6	3	3	1	53	De [3] 57	Oc [3] 48	53	53	.....	.....	.....	65,836
11	Foundry and machine-shop products.	13	860	13	23	47	11	766	.....	.....	781	769	.....	10	2	1,569,302
12	Boiler shops and foundries	3	94	5	2	7	.....	80	Au [3] 88	No 67	72	72	.....	.....	.....	140,794
13	Machine shops	10	766	8	21	40	11	686	Je 746	De 635	709	697	.....	10	2	1,428,508
14	Furniture, wood, other than rattan and willow.	8	723	10	40	29	.....	644	Fe 702	Jy 586	624	599	9	16	.....	740,199
15	Hosiery and knit goods	6	302	6	11	7	3	275	Mh 358	Se 153	311	27	268	4	12	361,822
16	Leather goods	4	22	5	.....	2	.....	15	Ap [3] 16	Oc [3] 14	16	16	.....	.....	.....	51,535
17	Liquors, malt	4	165	3	10	16	1	135	Jy 148	De 124	124	124	.....	.....	.....	1,969,835
18	Lumber, planing-mill products	4	146	19	3	8	.....	116	Je [3] 125	Fe 102	119	119	.....	.....	.....	381,811
19	Marble and stone work, other than slate.	4	37	6	.....	.....	.....	31	Jy 37	Oc 12	32	32	.....	.....	.....	36,214
20	Printing and publishing, book and job, job printing and linotype work.	20	140	17	4	3	6	110	Oc 118	Fe 99	122	98	17	4	3	239,009
21	Printing and publishing, newspapers and periodicals.	11	255	11	13	25	27	179	.....	.....	179	121	2	56	.....	510,376
22	Printing and publishing and job printing.	6	222	5	12	19	7	179	(4) 179	(4) 179	179	121	2	56	.....	503,000
23	Publishing without printing	5	33	6	1	6	20	.....	.....	.....	.....	.....	.....	.....	.....	7,376
24	Silk goods, including throwsters	22	4,552	13	31	73	19	4,416	Ap 4,762	Se 3,773	4,208	1,989	1,910	158	151	6,057,567
25	Structural ironwork	5	25	7	.....	.....	1	17	My 21	De [3] 14	17	17	.....	.....	.....	24,448
26	Tobacco, cigars	33	2,018	32	18	55	23	1,890	No 2,000	Ja 1,805	1,996	208	1,747	3	38	1,037,132
27	All other industries *	90	4,218	96	100	265	64	3,693	.....	.....	3,670	3,134	412	89	35	11,927,988

* All other industries embrace—
Automobiles 1
Automobile repairing 1
Baskets, and rattan and willow ware 1
Blacking, stains, and dressings 2
Bookbinding and blank-book making 3
Boot and shoe cut stock 1
Boxes, cigar 2
Boxes and cartons, paper 1
Boxes, wooden packing, except cigar boxes 1
Brass and bronze products 2
Brooms 1
Brushes 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 1
Chemicals 1
Clothing, women's 3
Cooperage 1
Druggists' preparations 1
Dyeing and finishing textiles, exclusive of that done in textile mills 4
Engines, steam, gas, and water 1
Flour-mill and gristmill products 1
Food preparations, not elsewhere specified 1
Fur goods 1
Furnishing goods, men's 2
Gas and electric fixtures 3
Gas, illuminating and heating 1
Glass, cutting, staining, and ornamenting 2
Hardware 1
Hats and caps, other than felt, straw, and wool 1

Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.										POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$13,843	$5,269	$80,908	$100	$1,704	$1,884	$247,023	$3,103	$449,939	$199,813	884	705	65	.....	114	.....	1
9,560	3,707	73,619	100	1,344	1,687	224,314	2,022	396,886	170,550	460	300	50	.....	110	.....	2
4,283	1,562	7,289	.....	360	197	22,709	1,081	53,053	29,263	424	405	15	.....	4	.....	3
24,095	41,369	160,735	120	13,897	4,049	584,603	3,503	988,126	400,020	68	40	.....	.....	28	.....	4
118,337	75,290	538,777	1,673	18,449	10,383	2,008,472	47,219	3,409,050	1,353,359	2,847	1,344	215	.....	1,288	417	5
99,717	24,860	681,763	24,096	9,361	43,840	1,777,735	439,853	3,417,199	1,199,611	2,514	1,909	546	59	.....	396	6
11,194	7,220	116,867	.....	.....	3,288	2,372,486	4,415	2,557,436	180,535	780	780	.....	.....	.....	16	7
52,013	32,725	520,589	5,448	12,088	6,286	658,932	14,937	1,584,597	910,728	3,016	2,281	478	71	186	84	8
16,076	4,856	132,885	5,148	4,510	1,185	187,828	3,876	483,838	292,134	1,197	947	187	.....	63	1	9
32,910	15,780	[4]151,697	.....	7,200	4,180	2,058,190	16,731	2,671,891	596,970	650	543	.....	.....	107	.....	10
9,343	3,791	43,356	.....	6,000	1,153	17,831	13,155	126,537	95,551	990	975	.....	.....	15	.....	11
6,683	5,996	97,838	.....	6,970	2,469	754,072	15,135	959,466	190,259	1,307	1,252	.....	.....	55	.....	12
972,899	912,043	10,703,807	1,023,338	305,834	125,882	43,046,840	695,612	63,113,060	19,370,608	42,869	36,720	3,291	878	1,980	4,427	13
1,658,781	2,167,248	13,061,842	80,094	140,669	398,861	37,350,465	1,601,146	68,362,621	29,411,010	62,823	46,960	9,502	125	6,236	58,414	14

Mats and matting, from cocoa fiber and grass 2
Needles, pins, and hooks and eyes 7
Nets and seines 3
Oil, essential 2
Pencils, lead 2
Pens, steel 1
Phonographs and graphophones 1
Pipes, tobacco 2
Pulp goods 3
Sand and emery paper and cloth 3
Sand-lime brick 1
Saws 16
Screws, wood 1
Sewing machines and attachments 1
Smelting and refining, lead 1
Smelting and refining, zinc 2
Soda-water apparatus 6
Sporting and athletic goods 8
Tin foil 1
Type founding 3
Typewriters and supplies 6
Washing machines and clothes wringers 15
Watch and clock materials 2
Watchcases 2
Watches 1
Whips 3
Wire 7

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

$630,309	$664,808	$6,500,701	$856,082	$126,249	$498,816	$20,168,792	$536,000	$33,918,299	$13,213,507	22,219	17,595	337	139	4,148	2,044	1
54,068	23,827	334,610	408	5,760	2,877	999,447	7,684	1,577,945	570,814	504	355	30	.....	119	.....	2
1,300	4,186	102,987	1,000	5,165	1,775	354,592	11,904	558,529	192,033	139	.....	.....	.....	139	.....	3
4,436	2,744	60,185	.....	3,255	519	28,166	28,078	178,661	122,417	265	265	.....	.....	.....	.....	4
.....	.....	18,105	.....	60	560	8,065	758	42,655	33,832	33	20	.....	.....	13	.....	5
2,690	12,261	56,581	71,274	1,940	450	216,771	1,709	396,671	178,191	13	.....	3	.....	10	.....	6
11,000	3,840	19,119	.....	4,236	599	149,004	4,013	204,464	51,447	111	10	6	.....	95	.....	7
.....	.....	2,530	.....	276	15	8,067	311	14,451	6,073	10	10	.....	.....	.....	.....	8
11,000	3,840	16,589	.....	3,960	584	140,937	3,702	190,013	45,374	101	.....	6	.....	95	.....	9
3,200	2,894	46,362	.....	398	68	60,600	175	121,923	61,148	18	.....	.....	.....	18	.....	10
43,159	47,918	443,301	1,200	11,830	4,183	399,239	21,750	1,231,552	810,563	891	590	12	.....	289	772	11
2,500	5,346	33,745	1,200	150	958	39,494	2,194	105,315	63,627	200	200	.....	.....	.....	.....	12
40,659	42,572	409,556	.....	11,680	3,225	359,745	19,556	1,126,237	746,936	691	390	12	.....	289	772	13
55,999	28,239	302,384	.....	7,360	2,786	287,977	12,334	781,586	481,275	838	775	.....	4	59	10	14
11,316	6,919	86,571	.....	3,365	822	263,553	4,530	420,825	152,742	206	140	.....	.....	66	91	15
.....	676	9,325	.....	96	603	12,056	227	30,032	17,749	2	.....	.....	.....	2	.....	16
37,610	23,916	101,486	.....	.....	138,562	384,495	17,786	830,423	428,142	767	641	.....	.....	126	16	17
3,663	4,614	75,407	450	.....	1,685	151,660	6,564	284,112	125,888	549	105	.....	.....	444	.....	18
.....	.....	21,003	667	314	15	39,257	1,141	75,711	35,313	39	.....	3	.....	36	.....	19
3,890	3,494	60,772	651	3,811	891	60,913	2,890	182,161	118,358	95	.....	.....	.....	95	.....	20
15,560	18,963	78,749	5,843	2,832	1,518	79,786	8,334	291,533	203,413	284	30	.....	.....	254	.....	21
14,560	16,404	78,749	350	2,500	1,514	79,436	8,278	274,677	186,963	279	30	.....	.....	249	.....	22
1,000	2,559	.....	5,493	332	4	350	56	16,856	16,450	5	.....	.....	.....	5	.....	23
93,521	105,494	1,969,811	774,085	46,509	13,323	6,059,671	58,170	10,209,972	4,092,131	3,304	2,374	140	85	705	43	24
.....	255	10,804	.....	400	133	19,180	676	41,920	22,064	42	.....	37	.....	5	.....	25
47,181	88,340	620,690	.....	12,371	292,711	1,168,344	5,856	2,694,602	1,520,402	307	260	.....	.....	47	20	26
241,716	286,228	2,082,449	504	16,547	34,736	9,426,016	341,421	13,763,022	3,995,585	13,812	12,030	106	50	1,626	1,092	27

Hats, fur-felt 1
Ice, manufactured 2
Instruments, professional and scientific 1
Iron and steel, blast furnaces 1
Iron and steel, steel works and rolling mills 1
Jewelry 1
Jute goods 1
Lime 2
Mattresses and spring beds 1
Mineral and soda waters 4
Optical goods 1
Patent medicines and compounds 11
Paving materials 3
Photo-engraving, not done in printing establishments 1
Plumbers' supplies, not elsewhere specified 1
Printing and publishing, music 1
Pumps, steam and other power 1
Regalia and society badges and emblems 1
Slaughtering and meat packing 1
Soap 1
Stamped ware not elsewhere specified 1
Statuary and art goods 1
Steam fittings and steam and hot-water heating apparatus 2
Umbrellas and canes 1
Washing machines and clothes wringers 1
Window and door screens 2
Wood, turned and carved 2

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

[4] Same number reported throughout the year.

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

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

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
1	**ALTOONA**—All industries	70	11,452	68	122	479	51	10,732	Ja 11,641	Oct. 10,283	10,547	9,903	526	56	62	$13,793,623
2	Bread and other bakery products	23	152	24	2	2	6	118	Au [3] 121	Ja [3] 115	119	113	6	.....	.....	225,246
3	Ice, manufactured	3	72	.....	7	3	3	59	Se 83	Ja 22	38	36	2	.....	.....	233,240
4	Liquors, malt	3	111	5	5	7	1	93	Jy 113	De 80	80	79	.....	1	.....	939,841
5	Lumber, planing-mill products	3	117	4	5	2	3	103	Jy 136	Ja 70	73	71	2	.....	.....	292,217
6	Printing and publishing	10	231	6	5	21	14	185	Se 192	Ap 176	186	155	28	3	.....	450,912
7	All other industries *	28	10,769	29	98	444	24	10,174	.....	.....	10,051	9,449	488	52	62	11,652,167

* All other industries embrace—
Artificial stone products 1
Carriages and wagons 1
Cars and general shop construction and repairs by steam-railroad companies 2
Clothing, men's 1
Confectionery and ice cream 5
Copper, tin, and sheet-iron work 1
Electroplating 1
Flour-mill and gristmill products 1

1	**ERIE**—All industries	363	12,575	280	397	652	230	11,016	Ap 11,695	No 10,241	10,771	9,233	1,214	217	107	$38,530,405
2	Artificial stone products	7	38	8	2	1	.....	27	My 37	Ja 14	36	36	.....	.....	.....	45,554
3	Automobile repairing	5	36	5	.....	1	2	28	Je 32	Mh 25	27	27	.....	.....	.....	27,359
4	Brass and copper products	6	93	3	8	2	5	75	Je 88	No 65	83	83	.....	.....	.....	271,451
5	Bread and other bakery products	42	323	40	6	9	9	259	Jy [3] 265	De 248	268	216	50	2	.....	412,306
6	Carpets, rag	3	7	5	.....	.....	.....	2	(4) 2	(4) 2	2	2	.....	.....	.....	7,357
7	Carriages and wagons and materials	5	60	7	1	1	2	49	Mh 57	No [3] 43	50	49	.....	1	.....	130,950
8	Clothing, men's	4	279	7	.....	16	6	250	Mh [3] 254	Jy 242	246	47	189	2	8	193,237
9	Copper, tin, and sheet-iron products	14	134	18	6	4	3	103	Se [3] 111	Ja 87	107	106	.....	1	.....	279,580
10	Engines, steam, gas, and water	6	361	.....	14	24	5	318	Ja [3] 332	No 286	295	294	1	.....	.....	2,216,714
11	Flour-mill and gristmill products	5	66	1	12	16	1	36	My [3] 37	Ap [3] 35	35	35	.....	.....	.....	484,572
12	Foundry and machine-shop products	46	3,079	27	87	141	36	2,788	.....	.....	2,679	2,544	122	11	2	9,817,961
13	Boiler shops and foundries	7	1,749	.....	24	55	11	1,659	Fe 1,931	Jy 1,490	1,630	1,519	110	1	.....	5,339,808
14	Machine shops	39	1,330	27	63	86	25	1,129	Ja 1,295	De 935	1,049	1,025	12	10	2	4,478,153
15	Hand stamps	3	5	4	.....	.....	.....	1	(4) 1	(4) 1	2	2	.....	.....	.....	2,400
16	Liquors, malt	3	164	.....	12	17	.....	135	Au 140	Ap 130	134	134	.....	.....	.....	2,782,043
17	Lumber and timber products	13	320	9	21	22	8	260	My 298	Fe 211	269	269	.....	.....	.....	1,373,091
18	Marble and stone work	6	22	9	.....	.....	.....	13	Se 16	Fe [3] 11	12	12	.....	.....	.....	40,791
19	Mineral and soda waters	5	20	5	1	3	.....	11	Je [3] 14	De [3] 7	13	13	.....	.....	.....	107,202
20	Models and patterns, not including paper patterns.	5	27	5	.....	.....	1	21	Mh [3] 26	No 16	22	21	.....	1	.....	18,802
21	Musical instruments, organs, and organ materials.	3	112	1	6	3	4	98	Au [3] 104	De 83	102	98	3	.....	1	232,341
22	Oil, not elsewhere specified	4	56	.....	13	17	3	23	Fe [3] 24	De [3] 22	22	21	1	.....	.....	363,833
23	Patent medicines and compounds	5	8	4	.....	.....	.....	4	(4) 4	(4) 4	4	4	.....	.....	.....	13,638
24	Printing and publishing, job printing, and book publishing without printing.	18	306	17	12	9	5	263	Ja 274	Au 248	263	166	96	1	.....	705,761
25	Printing and publishing, newspapers and periodicals.	9	212	1	5	53	24	129	.....	.....	130	124	.....	6	.....	447,298
26	Printing, publishing, and job printing.	5	203	.....	5	45	24	129	No [3] 132	Ja 126	130	124	.....	6	.....	445,554
27	Publishing without printing	4	9	1	.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,744
28	Saddlery and harness	4	10	4	.....	.....	.....	6	(4) 6	(4) 6	6	6	.....	.....	.....	7,310
29	Slaughtering and meat packing	6	102	7	5	9	2	79	Oc 82	Ap 74	79	79	.....	.....	.....	301,280
30	Stoves and furnaces, including gas and oil stoves.	5	479	1	13	27	9	429	Fe 458	De 379	396	389	.....	7	.....	1,087,040
31	Tobacco, cigars	24	120	27	1	5	.....	87	Fe [3] 90	Se 83	86	75	2	8	1	89,998
32	Wall plaster	3	17	4	1	1	1	10	No [3] 13	Mh [3] 9	10	10	.....	.....	.....	17,592
33	All other industries *	104	6,119	61	171	271	104	5,512	.....	.....	5,393	4,371	750	177	95	17,052,944

* All other industries embrace—
Agricultural implements 1
Aluminum ware 2
Automobiles 1
Awnings, tents, and sails 2
Babbitt metal and solder 2
Boxes and cartons, paper 2
Boxes, wooden packing, except cigar boxes 1
Brooms 2
Brushes 2
Buttons 1
Canning and preserving, fish 1
Carriages and sleds, children's 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 2
Cars, steam-railroad, not including operations of railroad companies 1
Cleansing preparations 1
Coffee, roasting and grinding 2
Coffins, burial cases, and undertakers' goods 1
Confectionery and ice cream 6
Cooperage 3
Cork, cutting 1
Corsets 1
Dairymen's, poultrymen's, and apiarists' supplies 1
Druggists' preparations 1
Dyeing and finishing textiles, exclusive of that done in textile mills 2
Electroplating 1
Engraving, steel and copper plate, including plate printing 1
Flavoring extracts 1
Food preparations, not elsewhere specified 1
Fur goods 2
Furniture 1
Gas and electric fixtures 1
Gas, illuminating and heating 1
Glass, cutting, staining, and ornamenting 1
Grease and tallow, not including lubricating greases 1
Hardware 3

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.										POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$218,623	$515,560	$6,915,440	$202,155	$11,284	$120,212	$13,424,459	$328,918	$22,592,676	$8,839,299	7,682	6,735	28	.....	919	9,036	1
2,980	2,536	65,689	.....	3,699	1,726	216,645	7,576	374,990	150,769	118	.....	.....	.....	118	.....	2
8,580	4,170	28,633	3,206	.....	1,538	22,332	9,614	90,448	58,502	340	340	.....	.....	.....	.....	3
11,495	8,531	51,830	791	.....	69,790	88,149	9,594	337,173	239,430	652	530	.....	.....	122	.....	4
4,200	4,840	57,699	1,200	1,200	1,269	244,532	1,922	384,743	138,289	177	105	.....	.....	72	.....	5
11,590	24,149	139,554	715	3,310	1,990	97,233	4,603	358,362	256,526	252	.....	.....	.....	252	.....	6
179,778	471,334	6,572,035	196,243	3,075	43,899	12,755,568	295,609	21,046,960	7,995,783	6,143	5,760	28	.....	355	9,036	7

Food preparations, not elsewhere specified..... 2
Foundry and machine-shop products. 1
Furniture..... 1
Gas, illuminating and heating..... 2
Gloves and mittens, leather..... 1
Jewelry..... 1
Mattresses and spring beds..... 1
Mineral and soda waters..... 3
Monuments and tombstones..... 1
Patent medicines and compounds..... 1
Silk goods..... 1

$943,064	$880,393	$6,735,534	$186,740	$84,889	$296,975	$15,173,161	$922,012	$29,447,084	$13,351,911	26,852	18,557	2,006	.....	6,289	11,820	1
2,160	780	17,567	300	.....	195	15,803	454	45,799	29,542	60	.....	42	.....	18	.....	2
.....	1,972	22,621	.....	780	52	26,345	474	55,755	28,936	12	.....	2	.....	10	.....	3
18,559	3,700	45,327	.....	.....	1,272	176,535	7,153	257,184	73,496	392	80	105	.....	207	.....	4
7,445	13,719	159,500	500	5,992	1,848	440,694	16,907	745,670	288,069	166	.....	33	.....	133	.....	5
.....	.....	1,070	.....	.....	38	1,104	61	3,950	2,785	45	.....	45	.....	.....	.....	6
1,560	1,734	31,394	.....	.....	724	28,994	1,210	84,114	53,910	38	.....	31	.....	7	22	7
.....	19,824	93,857	.....	3,850	91	271,999	1,282	410,806	137,525	40	.....	.....	.....	40	.....	8
9,410	4,200	79,280	.....	1,332	981	100,339	2,805	235,813	132,669	95	.....	35	.....	60	10	9
38,030	35,840	200,630	.....	1,200	3,591	264,601	13,528	787,562	509,433	679	615	25	.....	39	515	10
21,470	17,345	23,625	.....	1,020	2,811	1,350,447	6,346	1,469,852	113,059	842	250	320	.....	272	13	11
231,434	169,691	1,873,123	11,087	3,723	31,228	2,122,275	181,766	5,823,738	3,519,697	6,711	3,177	348	.....	3,186	4,541	12
99,318	75,096	1,166,072	.....	.....	17,848	1,262,629	128,128	3,283,939	1,893,182	3,933	1,857	100	.....	1,976	3,327	13
132,116	94,595	707,051	11,087	3,723	13,380	859,646	53,638	2,539,799	1,626,515	2,778	1,320	248	.....	1,210	1,214	14
.....	.....	610	.....	552	4	1,190	82	4,025	2,753	1	.....	.....	.....	1	.....	15
34,221	19,593	90,169	.....	.....	165,565	294,613	23,856	1,101,755	783,286	858	728	.....	.....	130	118	16
46,130	22,763	206,557	26,167	1,646	7,221	689,301	6,688	1,033,114	337,125	1,312	932	32	.....	348	40	17
.....	.....	10,528	.....	560	51	28,540	149	52,550	23,861	15	.....	10	.....	5	.....	18
1,300	1,704	6,794	.....	780	500	23,425	383	42,700	18,892	75	30	4	.....	41	.....	19
.....	480	15,307	.....	1,617	13	5,723	355	26,861	20,783	49	.....	24	.....	25	.....	20
15,070	5,166	61,889	100	.....	779	104,486	2,020	208,757	102,251	132	.....	.....	.....	132	.....	21
21,000	17,958	16,361	.....	525	1,257	245,099	1,307	340,477	94,071	210	150	60	.....	.....	2	22
.....	.....	2,456	102	670	32	2,746	95	7,562	4,721	4	.....	3	.....	1	.....	23
24,632	6,030	135,541	215	6,660	1,663	148,748	4,968	438,729	285,013	238	50	.....	.....	188	60	24
8,390	65,167	89,991	12,031	8,639	1,078	73,063	3,928	328,089	251,098	165	.....	.....	.....	165	.....	25
8,390	59,214	89,991	.....	8,639	1,078	72,621	3,928	305,751	229,202	165	.....	.....	.....	165	.....	26
.....	5,953	.....	12,031	.....	.....	442	.....	22,338	21,896	.....	.....	.....	.....	.....	.....	27
.....	.....	4,194	.....	420	37	1,935	196	8,160	6,029	2	.....	.....	.....	2	.....	28
18,820	12,387	60,669	.....	.....	1,603	1,153,917	7,055	1,272,986	112,014	254	220	.....	.....	34	71	29
37,532	49,570	266,771	.....	1,460	3,159	282,769	10,505	803,879	510,605	404	260	18	.....	126	30	30
2,500	4,040	56,804	.....	2,764	16,026	68,264	325	173,557	104,968	.....	.....	.....	.....	.....	.....	31
1,000	1,240	5,615	.....	620	25	22,769	1,096	39,029	15,164	50	.....	.....	.....	50	.....	32
402,401	405,490	3,157,284	136,238	40,079	55,131	7,227,437	627,018	13,644,611	5,790,156	14,003	12,065	869	.....	1,069	6,398	33

Hosiery and knit goods..... 1
House-furnishing goods, not elsewhere specified..... 1
Ice, manufactured..... 1
Iron and steel, blast furnaces..... 1
Iron and steel, steel works and rolling mills..... 2
Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills..... 1
Jewelry..... 3
Lithographing..... 2
Locomotives, not made by railroad companies..... 1
Looking-glass and picture frames..... 2
Mattresses and spring beds..... 1
Oilcloth and linoleum, floor..... 1
Optical goods..... 3
Paints..... 1
Paper and wood pulp..... 1
Perfumery and cosmetics..... 1
Plumbers' supplies, not elsewhere specified..... 4
Rubber goods..... 2
Saws..... 1
Shipbuilding, wooden, including boat building..... 4
Show cases..... 1
Signs and advertising novelties..... 2
Silk goods..... 1
Soap..... 1
Steam fittings and steam and hot-water heating apparatus..... 1
Stereotyping and electrotyping..... 1
Structural ironwork, not made in steel works or rolling mills..... 1
Tobacco, chewing and smoking, and snuff..... 1
Tools, not elsewhere specified..... 2
Washing machines and clothes wringers..... 1
Wirework..... 1
Wood, turned and carved..... 1
Woolen goods..... 1

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

[4] Same number reported throughout the year.

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

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

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.	Number, 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
1	**HARRISBURG**—All industries	219	9,280	206	240	638	230	7,966	Fe 8,651	Oc 7,297	7,778	5,356	2,305	50	67	$21,650,149
2	Bread and other bakery products	38	269	39	8	6	11	205	Ja 217	Ap 196	218	205	11	2	.....	443,134
3	Carriages and wagons and materials	5	40	6	1	1	1	31	Je 37	Ja[3] 28	34	33	1	.....	.....	55,149
4	Confectionery (ice cream)	8	31	9	.....	1	1	20	Je 26	Fe[3] 16	17	14	3	.....	.....	110,676
5	Copper, tin, and sheet-iron work	3	30	3	.....	1	1	25	My 28	De 22	22	21	1	.....	.....	42,405
6	Foundry and machine-shop products	11	495	10	23	30	13	419	Ja 488	De 318	419	410	9	.....	.....	2,034,441
7	Iron and steel, steel works and rolling mills	3	1,119	.....	23	59	2	1,035	Je 1,237	Oc 627	795	795	.....	.....	.....	6,224,578
8	Liquors, malt	3	101	3	6	9	1	82	Je 91	De[3] 76	76	75	1	.....	.....	1,332,658
9	Marble and stone work	3	18	3	.....	1	1	13	My 18	Fe[3] 9	11	11	.....	.....	.....	29,888
10	Mineral and soda waters	3	16	5	.....	4	.....	7	Jy 9	Ja[3] 6	5	5	.....	.....	.....	19,885
11	Patent medicines and compounds and druggists' preparations	13	51	15	3	11	4	18	Ja[3] 21	Je[3] 17	20	13	7	.....	.....	63,487
12	Printing and publishing, book and job	15	241	19	9	9	9	195	Ja 303	Je[3] 150	194	132	57	4	1	447,367
13	Printing and publishing, newspapers and periodicals	8	478	3	21	101	29	324	No 332	Au 317	333	292	38	3	.....	810,942
14	Tobacco, cigars	17	1,074	14	5	13	6	1,036	Ja 1,100	My 961	1,059	102	899	25	33	419,552
15	All other industries *	89	5,317	77	141	392	151	4,556	.....	.....	4,575	3,248	1,278	16	33	9,616,593

*All other industries embrace—
Artificial limbs 2
Artificial stone products 1
Automobile bodies and parts 1
Automobiles 1
Awnings, tents, and sails 2
Bookbinding and blank-book making 1
Boots and shoes, not including rubber boots and shoes 4
Boxes and cartons, paper 2
Brass products 2
Brick and tile 1
Brooms 1
Butter 2
Carpets, rag 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 1
Cleansing and polishing preparations 1
Clothing, women's 5
Coffee, roasting and grinding 2
Coffins, burial cases, and undertakers' goods 1
Collars and cuffs, men's 2
Confectionery 3
Dental goods 2
Fancy articles, not elsewhere specified 1
Flour-mill and gristmill products 1
Food preparations 5
Gas, illuminating and heating 2
Glass, cutting, staining, and ornamenting 1

1	**JOHNSTOWN**—All industries	136	13,915	134	189	1,165	250	12,177	Fe 13,278	No 10,816	11,218	10,746	336	85	51	$36,706,981
2	Bread and other bakery products	17	178	11	6	18	18	125	My 135	De[3] 117	119	94	19	6	.....	237,524
3	Carriages and wagons	3	22	4	2	1	.....	15	(4) 15	(4) 15	15	15	.....	.....	.....	19,480
4	Confectionery	4	82	4	6	11	8	53	De[3] 68	Je[3] 50	68	37	31	.....	.....	138,435
5	Copper, tin, and sheet-iron products	7	73	7	5	.....	3	58	Au 65	Ja 51	51	48	1	2	.....	149,866
6	Liquors, malt	4	196	3	8	42	6	137	Jy 150	Fe[3] 128	133	133	.....	.....	.....	1,675,082
7	Lumber and timber products	10	143	12	12	13	2	104	Oc 138	Fe 81	109	109	.....	.....	.....	378,676
8	Mineral and soda waters	3	7	3	.....	1	.....	3	(4) 3	(4) 3	3	3	.....	.....	.....	15,700
9	Monuments and tombstones	3	10	4	.....	.....	.....	6	(4) 6	(4) 6	6	6	.....	.....	.....	33,076
10	Printing and publishing, book and job	9	62	10	2	.....	2	48	(4) 48	(4) 48	48	28	16	4	.....	57,085
11	Printing and publishing, newspapers and periodicals	6	160	4	8	20	4	124	Se 134	Mh 118	123	107	13	2	1	332,777
12	All other industries *	70	12,982	72	140	1,059	207	11,504	.....	.....	10,543	10,166	256	71	50	33,669,280

*All other industries embrace—
Automobiles 1
Automobile repairing 3
Brass products 1
Brick and tile 3
Brooms 1
Cars and general shop construction and repairs by steam-railroad companies 2
Chemicals 1
Clothing, men's 1
Coffee, roasting and grinding 1
Confectionery (ice cream) 4
Cooperage 2
Engraving and diesinking 1
Flour-mill and gristmill products 2
Food preparations, not elsewhere specified 1
Foundry and machine-shop products 6
Furniture 1
Gas, illuminating and heating 1
Gas machines and gas and water meters 1
Glass, cutting, staining, and ornamenting 2
Hand stamps 1
Ice, manufactured 2

1	**PHILADELPHIA**—All industries	8,454	294,643	8,987	7,298	20,258	6,814	251,286	Mh 261,435	De 242,380	251,609	166,150	76,921	3,841	4,697	$772,695,709
2	Artificial limbs	7	22	8	1	.....	2	11	Ap[3] 12	Se 9	11	10	1	.....	.....	42,151
3	Artificial stone products	9	206	8	3	7	3	185	Jy 313	Ja 95	194	194	.....	.....	.....	226,164
4	Asbestos products, not including steam packing	3	16	2	.....	.....	1	13	Ap 21	Ja 8	16	16	.....	.....	.....	29,241
5	Automobile bodies and parts	25	747	26	41	44	13	623	De 777	Ja 483	780	766	9	5	.....	1,767,971
6	Automobiles	5	343	1	12	56	15	259	De 296	No 219	262	256	3	3	.....	699,312
7	Automobile repairing	162	1,499	173	36	69	16	1,205	Oc[3] 1,268	Ja 1,086	1,179	1,175	2	2	.....	1,214,201
8	Awnings, tents, and sails	33	162	38	1	6	3	114	Je 166	Ja 93	124	90	34	.....	.....	221,576
9	Babbitt metal and solder	14	170	14	14	28	3	111	Oc 130	Ja 91	118	118	.....	.....	.....	796,213
10	Bags, paper, not including bags made in paper mills	7	78	9	2	4	3	60	Ja 62	Au 56	60	26	29	2	3	79,120
11	Baskets, and rattan and willow ware	15	109	14	3	2	2	88	Ap 96	Ja 79	90	87	2	1	.....	82,765
12	Belting, leather	11	232	11	16	43	5	157	Ja 163	Oc 153	157	148	1	8	.....	738,417
13	Blacking, stains, and dressings	7	98	5	10	16	4	63	Mh 70	De 51	73	39	32	2	.....	213,550
14	Bookbinding and blank-book making	79	1,621	78	49	62	39	1,393	Jy 1,519	Au 1,291	1,431	684	691	33	23	1,552,811
15	Boot and shoe findings	9	64	9	1	1	.....	53	Fe 61	Au 48	57	36	18	1	2	54,062
16	Boots and shoes	44	4,338	44	85	148	91	3,970	Jy 4,147	My 3,711	3,994	2,541	1,281	93	79	4,574,735

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$513,661	$721,873	$4,457,488	$63,048	$101,181	$258,194	$9,880,723	$724,435	$18,872,156	$8,266,998	24,216	18,155	98	.....	5,963	2,709	1
9,045	10,750	123,551	4,515	2,175	3,795	439,636	18,037	794,310	336,637	206	3	43	.....	160	.....	2
1,800	564	18,326	350	1,500	663	23,524	1,335	62,584	37,725	41	.....	1	.....	40	.....	3
.....	1,760	10,533	195	132	953	98,157	4,254	138,063	35,652	146	80	.....	.....	66	.....	4
.....	1,112	15,201	.....	300	275	14,096	215	39,255	24,944	.....	.....	.....	.....	.....	.....	5
49,121	27,627	237,883	443	1,030	7,069	238,780	13,766	750,143	497,597	1,131	940	18	.....	173	548	6
87,775	67,113	743,384	.....	12,000	17,605	2,532,001	433,637	4,028,321	1,062,683	17,106	13,950	.....	.....	3,156	1,267	7
9,490	7,456	54,554	.....	.....	71,785	125,388	12,716	367,843	229,739	684	550	.....	.....	134	80	8
.....	630	8,538	500	192	449	5,666	493	25,093	18,934	52	.....	22	.....	30	.....	9
.....	1,124	5,260	500	804	136	6,849	303	29,449	22,297	10	.....	.....	.....	10	.....	10
3,488	10,423	6,730	294	2,942	312	42,697	667	73,245	29,881	9	.....	.....	.....	9	.....	11
22,160	13,757	125,976	3,503	3,872	1,155	94,871	5,728	335,273	234,674	247	80	.....	.....	167	144	12
40,120	73,283	188,793	1,250	7,710	3,892	238,187	6,818	700,972	455,967	385	40	.....	.....	345	31	13
12,743	18,414	306,140	297	7,978	125,679	556,620	4,449	1,105,804	544,735	108	35	5	.....	68	.....	14
277,919	487,860	2,612,619	51,201	60,546	24,426	5,464,251	222,017	10,421,801	4,735,533	4,091	2,477	9	.....	1,605	639	15

Grease and tallow, not including lubricating greases 1
Hand stamps 2
Hosiery and knit goods 4
Ice, manufactured 1
Jewelry 2
Lumber, planing-mill products 3
Mattresses and spring beds 3
Models and patterns, not including paper patterns 1
Mucilage and paste 1
Musical instruments and materials, not specified 1
Paints 1
Peanuts, grading, roasting, cleaning, and shelling 2
Photo-engraving 1
Roofing material 1
Saddlery and harness 5
Sausage, not made in slaughtering and meat-packing establishments 1
Silk goods 1
Slaughtering and meat packing 3
Soap 1
Tin plate and terneplate 1
Tobacco, chewing and smoking, and snuff 1
Typewriters 1
Wheelbarrows 1
Window shades and fixtures 1

$482,746	$1,601,498	$8,684,586	$20,798	$487,320	$492,612	$30,366,343	$4,074,964	$50,973,960	$16,532,653	116,466	109,501	2,124	1	4,840	58,646	1
7,465	11,554	64,626	.....	8,670	1,255	224,561	6,600	397,799	166,638	160	.....	.....	.....	160	.....	2
1,920	600	11,071	.....	972	45	6,146	526	35,650	28,978	23	.....	.....	.....	23	.....	3
5,460	8,900	15,671	.....	8,640	559	51,990	2,898	100,929	46,041	39	2	.....	.....	37	.....	4
4,973	1,352	33,274	125	441	952	66,071	1,667	131,733	63,995	76	75	.....	.....	1	.....	5
25,800	51,917	96,239	.....	8,000	167,101	225,347	21,799	892,871	645,725	1,089	1,071	.....	.....	18	365	6
15,517	10,862	69,969	18,482	1,300	1,745	190,803	16,163	340,567	133,601	918	239	.....	.....	679	.....	7
.....	550	1,708	.....	.....	129	2,696	152	9,388	6,540	6	.....	.....	.....	6	.....	8
.....	.....	5,447	.....	700	105	11,375	252	29,329	17,702	11	.....	5	.....	6	.....	9
3,120	936	25,923	.....	3,015	104	23,875	1,190	69,287	44,222	36	.....	2	1	33	.....	10
14,780	19,076	95,343	.....	3,240	1,178	109,212	4,361	317,538	203,965	111	.....	4	.....	107	.....	11
403,711	1,495,751	8,265,315	2,191	452,342	319,439	29,454,267	4,019,356	48,648,869	15,175,246	113,997	108,114	2,113	.....	3,770	58,281	12

Iron and steel, blast furnaces 1
Iron and steel, steel works and rolling mills 1
Malt 1
Mattresses and spring beds 2
Models and patterns, not including paper patterns 1
Paints 1
Patent medicines and compounds 1
Photo-engraving, not done in printing establishments 1
Rubber goods 1
Saddlery and harness 5
Silk goods 1
Slaughtering and meat packing 4
Springs, steel, car and carriage, not made in steel works or rolling mills 1
Steam fittings and steam and hot-water heating apparatus 2
Steam packing 1
Stoves, gas and oil 1
Structural ironwork 1
Tobacco, cigars 3
Wall plaster 1
Washing machines and clothes wringers 1
Wire 1

$20,689,722	$26,545,425	$138,249,444	$9,192,176	$9,417,897	$8,241,522	$436,318,434	$14,878,757	$784,499,633	$333,302,442	465,678	383,378	26,459	680	55,161	127,820	1
390	650	9,068	800	3,556	239	12,174	624	41,480	28,682	7	.....	2	.....	5	.....	2
13,112	9,836	148,012	18,550	5,576	237	190,816	2,241	407,168	214,111	145	100	40	.....	5	10	3
.....	70	7,673	.....	1,300	15	44,470	10	63,427	18,947	6	.....	1	.....	5	.....	4
82,807	54,510	495,739	250	53,417	1,278	701,134	17,566	1,577,277	858,577	1,216	569	82	.....	565	408	5
32,274	66,417	176,790	3,624	18,284	109	374,495	9,126	847,926	464,305	358	100	58	.....	200	58	6
47,872	61,749	972,647	33,898	117,557	3,418	877,597	25,197	2,599,633	1,696,839	803	.....	153	9	641	6	7
1,200	7,488	73,272	1,717	8,526	679	271,171	3,587	481,808	207,050	46	.....	.....	.....	46	.....	8
26,257	28,554	70,473	.....	4,110	834	908,740	9,203	1,157,664	239,721	132	117	.....	.....	15	30	9
1,560	2,220	21,918	520	3,720	135	69,587	848	130,272	59,837	29	.....	18	.....	11	.....	10
4,060	1,719	45,523	150	5,146	210	48,754	1,089	146,974	97,131	16	.....	.....	.....	16	.....	11
37,312	53,629	107,705	.....	21,604	1,024	1,090,598	7,543	1,507,020	408,879	252	185	36	.....	31	40	12
18,041	17,594	28,277	350	1,995	494	275,336	9,620	393,158	108,202	204	196	6	.....	2	.....	13
91,695	90,691	724,046	21,216	98,871	919	590,533	15,817	1,967,732	1,361,382	630	.....	206	.....	424	.....	14
1,600	1,000	24,582	92	2,445	186	43,321	2,318	102,854	57,215	10	.....	.....	.....	10	.....	15
183,912	238,319	2,358,484	45,549	91,595	10,310	4,286,240	42,813	8,761,494	4,432,441	1,636	1,125	144	.....	367	299	16

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

[4] Same number reported throughout the year.

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PHILADELPHIA—Continued.															
1	Boxes, cigar	5	82	7	.....	.....	2	73	Ja [3] 74	De [3] 72	72	29	43	.....	.....	$30,769
2	Boxes, fancy and paper	70	3,964	60	99	97	68	3,640	.....	.....	3,583	956	2,257	31	339	3,211,747
3	Paper boxes and cartons	67	3,949	57	99	97	67	3,629	Oc 3,744	De 3,523	3,571	949	2,252	31	339	3,208,332
4	All other	3	15	3	.....	.....	1	11	Se 13	De 7	12	7	5	.....	.....	3,415
5	Boxes, wooden packing	34	1,085	42	28	30	11	974	Ap 1,000	Se 945	982	879	2	101	.....	1,875,788
6	Brass, bronze, and copper products	46	1,041	39	48	74	20	860	.....	.....	860	839	19	2	.....	3,351,364
7	Brass and bronze	41	862	37	33	61	15	716	Ja 738	Oc 685	732	718	12	2	.....	2,672,472
8	All other	5	179	2	15	13	5	144	Fe 169	Se 117	128	121	7	.....	.....	678,892
9	Bread and bakery products	1,053	7,421	1,056	83	599	169	5,514	.....	.....	5,597	4,695	822	39	41	15,097,617
10	Biscuits and crackers	7	1,428	3	15	191	35	1,184	Mh 1,264	No 1,123	1,166	681	443	3	39	5,161,422
11	All other	1,046	5,993	1,053	68	408	134	4,330	No 4,369	Ja 4,298	4,431	4,014	379	36	2	9,936,195
12	Brick and tile, terra-cotta, and fire-clay products.	34	1,545	51	39	35	3	1,417	.....	.....	1,442	1,439	.....	3	.....	3,394,928
13	Building brick	25	1,126	45	23	17	1	1,040	Au 1,213	Fe 666	1,080	1,077	.....	3	.....	2,501,894
14	Fire brick, and architectural and fireproofing terra cotta.	9	419	6	16	18	2	377	Au 411	Ap 338	362	362	.....	.....	.....	893,034
15	Brooms	20	106	24	1	1	.....	80	Se [3] 88	Ja [3] 72	89	89	.....	.....	.....	73,993
16	Brushes, other than toilet	28	297	31	14	16	5	231	Fe 237	Au 226	228	181	41	5	1	476,095
17	Carpets and rugs, other than rag	59	8,890	59	139	257	67	8,368	Mh 8,975	No 7,658	8,307	5,277	2,752	124	154	25,635,136
18	Carpets, rag	14	215	14	17	3	1	180	De 205	My 162	204	141	32	20	11	156,290
19	Carriage and wagon materials	11	86	13	2	6	1	64	Fe 68	Au 61	65	65	.....	.....	.....	204,226
20	Carriages, wagons, and repairs	104	1,257	118	43	33	6	1,057	.....	.....	1,007	1,003	2	2	.....	1,817,581
21	Carriages and wagons	87	1,172	95	42	32	6	997	My 1,087	De 899	948	944	2	2	.....	1,749,054
22	Repair work only	17	85	23	1	1	.....	60	Je 64	No 56	59	59	.....	.....	.....	68,527
23	Cars and general shop construction and repairs by electric-railroad companies.	4	1,240	.....	16	39	.....	1,185	Je [3] 1,187	De [3] 1,184	1,184	1,182	.....	2	.....	975,553
24	Cars and general shop construction and repairs by steam-railroad companies.	10	4,123	.....	70	136	.....	3,917	Ja 4,133	Oc 3,803	3,874	3,854	20	.....	.....	4,828,817
25	Chemicals	15	2,185	7	46	155	44	1,933	Se 1,983	No 1,879	1,889	1,776	109	4	.....	14,462,516
26	Cleansing and polishing preparations	25	159	25	15	22	14	83	.....	.....	85	51	31	2	1	237,240
27	Cleansing preparations	11	70	10	7	9	6	38	Oc 41	Fe 34	40	22	18	.....	.....	119,125
28	Polishing preparations	14	89	15	8	13	8	45	Fe 52	My [3] 41	45	29	13	2	1	118,115
29	Clothing, horse	7	234	7	6	23	8	190	Fe 201	De 161	179	48	127	1	3	419,156
30	Clothing, men's	404	8,164	577	112	730	234	6,511	.....	.....	6,882	4,308	2,462	63	49	13,329,010
31	Men's and youths'	161	5,142	243	110	725	229	3,835	Fe 4,158	Oc 3,416	3,988	2,516	1,372	60	40	12,866,727
32	Boys'	18	157	30	.....	5	2	120	My 134	De 96	128	76	52	.....	.....	258,811
33	Contract work	225	2,865	304	2	.....	3	2,556	Mh 2,673	No 2,452	2,766	1,716	1,038	3	9	203,472
34	Clothing, men's, buttonholes	15	183	20	.....	.....	.....	163	Je [3] 165	Se [3] 162	163	47	108	.....	8	37,862
35	Clothing, women's	434	17,372	667	250	828	426	15,201	.....	.....	15,368	5,074	10,145	25	124	12,156,179
36	Suits, skirts, and cloaks	185	5,973	295	104	339	168	5,067	Oc 5,813	De 4,324	5,172	3,273	1,852	14	33	4,208,456
37	Shirt waists and dresses, except house dresses.	153	8,606	245	104	396	182	7,679	Mh 8,610	Jy 6,580	7,775	1,304	6,402	9	60	5,654,231
38	Undergarments and petticoats	18	1,109	27	19	44	38	981	Mh 1,094	Au 868	939	122	802	.....	15	1,336,558
39	Wrappers and house dresses	15	637	20	15	19	16	567	Ap 636	Au 481	578	103	471	.....	4	407,258
40	All other	29	615	32	6	27	20	530	My 620	De 446	487	74	401	.....	12	499,618
41	Contract work	34	432	48	2	3	2	377	My 404	Au 321	417	198	217	2	.....	50,058
42	Coffee and spice, roasting and grinding.	49	844	56	28	193	69	498	.....	.....	475	260	193	13	9	1,842,207
43	Coffee	44	503	52	15	111	59	266	Oc 276	Jy 258	274	143	131	.....	.....	1,620,886
44	Spice	5	341	4	13	82	10	232	Ja 249	De 201	201	117	62	13	9	221,321
45	Coffins, burial cases, and undertakers' goods.	12	174	14	7	22	9	122	Oc [3] 134	Ja 105	127	86	34	2	5	313,898
46	Confectionery and ice cream	196	4,076	198	92	191	133	3,462	.....	.....	3,894	1,708	1,989	53	144	6,421,009
47	Confectionery and chewing gum	134	3,510	132	80	161	98	3,039	De 3,645	Je 2,516	3,469	1,356	1,916	53	144	4,372,650
48	Ice cream	62	566	66	12	30	35	423	Je 537	Fe 329	425	352	73	.....	.....	2,048,359
49	Cooperage	42	605	56	7	18	3	521	.....	.....	493	444	.....	49	.....	1,430,491
50	Hogsheads and barrels	35	548	44	5	16	2	481	Se 518	Oc 404	453	404	.....	49	.....	1,381,596
51	All other	7	57	12	2	2	1	40	Ja 44	Au 38	40	40	.....	.....	.....	48,895
52	Copper, tin, and sheet-iron work	128	2,224	171	75	163	50	1,765	Ja 1,970	No 1,684	1,761	1,739	9	13	.....	3,588,706
53	Cordage and twine	8	1,514	4	23	31	7	1,449	Fe 1,529	Je 1,354	1,435	717	654	26	38	5,177,928
54	Cork, cutting	5	29	2	6	1	1	19	Mh [3] 24	Ap 12	28	16	12	.....	.....	46,135
55	Corsets	5	57	5	1	4	.....	47	Ap [3] 50	Au 32	49	7	41	.....	1	41,577
56	Cotton goods	92	5,624	94	152	166	69	5,143	Ja 5,550	Fe 4,864	5,337	2,785	2,218	123	211	11,415,045
57	Cotton lace	5	1,639	3	40	152	30	1,414	Fe 1,633	Se 1,078	1,456	625	734	35	62	7,050,306
58	Cotton small wares	23	1,789	16	41	36	15	1,681	Ap 1,728	De 1,595	1,597	409	1,061	14	113	2,835,671
59	Cutlery and edge tools	8	122	6	7	7	.....	102	My 111	No [3] 94	102	99	3	.....	.....	305,833
60	Dairymen's and poultrymen's supplies.	4	82	2	5	6	3	66	My 82	No 52	61	58	3	.....	.....	145,937
61	Dental goods	38	964	44	42	48	28	802	Je 939	Au 616	648	367	265	6	10	2,468,150
62	Druggists' preparations	22	1,883	9	48	265	140	1,421	Fe 1,587	Au 1,301	1,371	578	754	11	28	8,213,300
63	Dyeing and finishing textiles	116	4,102	132	147	185	49	3,589	Mh 3,791	No 3,472	3,569	2,998	485	60	26	7,002,168
64	Dyestuffs and extracts	4	22	2	5	7	.....	8	Je 9	Oc 7	8	7	.....	1	.....	33,899

[1] Owned power only.

[2] Includes rented power, other than electric.

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

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
.....	$2,000	$31,980	.....	$2,386	.....	$51,670	$1,463	$110,362	$57,229	59	40	19	.....	.....	.....	1
$199,596	133,556	1,332,646	$2,124	143,069	$10,113	2,002,963	46,698	4,670,038	2,620,377	1,401	767	196	.....	438	112	2
199,596	132,756	1,327,220	2,124	142,273	10,113	1,998,399	46,483	4,656,525	2,611,643	1,401	767	196	.....	438	112	3
.....	800	5,426	.....	796	.....	4,564	215	13,513	8,734	.....	.....	.....	.....	.....	.....	4
70,228	36,027	520,748	3,645	14,938	7,632	1,696,911	7,138	2,613,441	909,392	2,794	2,702	32	.....	60	133	5
144,907	92,168	573,305	14,544	20,200	10,760	2,781,017	62,878	3,936,447	1,092,552	1,677	1,212	216	.....	249	432	6
109,527	75,017	470,561	14,544	16,540	9,217	2,474,338	53,401	3,490,541	962,802	1,311	877	208	.....	226	282	7
35,380	17,151	102,744	.....	3,660	1,543	306,679	9,477	445,906	129,750	366	335	8	.....	23	150	8
200,054	805,153	3,244,360	2,923	180,943	89,443	12,502,536	421,271	21,809,150	8,885,343	4,820	2,556	211	.....	2,053	2,465	9
55,143	308,121	441,776	.....	6,090	14,624	1,765,006	32,950	3,238,126	1,440,170	580	489	20	.....	71	343	10
144,911	497,032	2,802,584	2,923	174,853	74,819	10,737,530	388,321	18,571,024	7,445,173	4,240	2,067	191	.....	1,982	2,122	11
73,642	35,560	768,975	51,461	9,942	21,999	367,708	292,901	1,963,088	1,302,479	3,204	2,939	65	.....	200	170	12
35,726	15,951	582,762	32,564	2,640	18,003	196,654	252,764	1,382,162	932,744	2,498	2,493	.....	.....	5	.....	13
37,916	19,609	186,213	18,897	7,302	3,996	171,054	40,137	580,926	369,735	706	446	65	.....	195	170	14
310	780	52,346	.....	4,063	177	125,915	1,564	219,425	91,946	61	.....	52	.....	9	.....	15
27,740	16,595	123,591	.....	12,820	1,065	377,217	4,138	710,715	329,360	133	100	11	.....	22	8	16
447,921	368,725	4,294,154	318,661	96,540	63,469	12,499,449	241,674	20,586,553	7,845,430	10,956	9,483	588	.....	885	3,217	17
8,594	1,997	65,251	3,148	7,418	676	107,525	1,379	229,815	120,911	70	.....	49	.....	21	.....	18
3,225	10,225	43,639	300	1,650	1,181	76,234	4,691	169,824	88,899	234	230	.....	.....	4	50	19
86,782	37,832	758,696	6,489	43,964	11,223	588,087	32,184	1,887,613	1,267,342	941	400	111	.....	430	42	20
85,482	36,896	716,671	6,489	39,878	10,338	563,058	30,154	1,789,221	1,196,009	897	400	91	.....	406	42	21
1,300	936	42,025	.....	4,086	885	25,029	2,030	98,392	71,333	44	.....	20	.....	24	.....	22
19,650	44,945	907,457	.....	.....	.....	95,044	14,358	1,081,454	972,052	1,806	10	.....	.....	1,796	21	23
192,669	123,175	3,116,673	.....	.....	.....	2,817,885	289,195	6,547,385	3,440,305	9,970	9,934	6	.....	30	5,411	24
240,981	213,714	1,149,589	.....	6,552	51,985	7,710,468	426,918	11,444,625	3,307,239	5,145	3,475	22	.....	1,648	1,098	25
28,946	26,387	35,624	100	9,354	1,028	249,333	4,292	534,145	280,520	132	50	5	.....	77	1	26
14,664	11,806	20,148	.....	5,216	921	169,292	3,355	355,227	182,580	95	25	3	.....	67	.....	27
14,282	14,581	15,476	100	4,138	107	80,041	937	178,918	97,940	37	25	2	.....	10	1	28
12,100	38,210	77,306	6,700	12,540	451	582,583	3,537	830,668	244,548	131	100	.....	.....	31	110	29
326,010	769,267	3,627,992	2,259,769	326,647	23,152	10,916,596	76,573	21,977,449	10,984,280	1,048	300	75	.....	673	167	30
323,710	754,259	2,278,346	2,179,389	276,584	22,426	10,669,385	46,734	19,831,067	9,114,948	703	300	23	.....	380	167	31
.....	13,524	60,752	62,749	7,696	239	232,223	2,916	462,003	226,864	21	.....	.....	.....	21	.....	32
2,300	1,484	1,288,894	17,631	42,367	487	14,988	26,923	1,684,379	1,642,468	324	.....	52	.....	272	.....	33
.....	.....	91,870	.....	3,492	.....	30,822	1,386	176,347	144,139	22	.....	1	.....	21	.....	34
574,998	1,135,593	7,481,948	416,863	627,078	6,963	18,574,581	137,137	34,142,518	15,430,800	2,429	375	249	.....	1,805	53	35
255,440	411,073	3,086,152	225,118	253,217	1,044	6,820,961	49,010	12,918,725	6,048,754	703	.....	40	.....	663	.....	36
212,647	557,172	3,340,674	120,797	275,440	3,666	8,696,504	62,794	15,897,375	7,138,077	1,257	250	170	.....	837	48	37
71,238	105,581	387,176	26,574	37,841	1,555	1,918,139	7,392	2,848,467	922,936	260	125	10	.....	125	5	38
10,448	21,252	262,754	34,410	19,664	43	530,106	8,601	1,074,540	535,833	64	.....	.....	.....	64	.....	39
22,575	38,285	204,898	5,990	28,640	641	567,809	5,101	1,067,512	494,602	86	.....	20	.....	66	.....	40
2,650	2,230	200,294	3,974	12,276	14	41,062	4,239	335,899	290,598	59	.....	9	.....	50	.....	41
109,799	346,302	258,363	1,425	38,855	6,260	3,568,492	34,298	5,162,629	1,559,839	1,714	1,144	214	.....	356	379	42
65,799	213,174	137,685	1,425	30,753	3,534	2,770,480	27,463	3,917,097	1,119,154	1,129	600	191	.....	338	379	43
44,000	133,128	120,678	.....	8,102	2,726	798,012	6,835	1,245,532	440,685	585	544	23	.....	18	.....	44
14,620	37,678	64,949	.....	3,841	1,329	180,769	2,959	380,991	197,263	66	.....	15	.....	51	.....	45
318,718	315,557	1,454,290	9,639	153,859	35,118	6,200,017	131,969	10,638,925	4,306,939	4,876	3,395	237	.....	1,244	574	46
272,972	258,108	1,158,523	9,639	142,574	22,146	4,644,421	82,677	8,119,636	3,392,538	3,255	2,661	190	.....	404	550	47
45,746	57,449	295,767	.....	11,285	12,972	1,555,596	49,292	2,519,289	914,401	1,621	734	47	.....	840	24	48
15,212	16,961	299,651	.....	19,093	6,602	1,182,838	6,832	1,780,532	590,862	548	487	45	.....	16	30	49
12,804	15,637	270,966	.....	17,929	6,301	1,149,954	6,635	1,694,948	538,359	473	417	40	.....	16	30	50
2,408	1,324	28,685	.....	1,164	301	32,884	197	85,584	52,503	75	70	5	.....	.....	.....	51
174,527	255,368	1,114,919	53,587	41,256	13,855	2,621,872	27,876	4,960,126	2,310,378	1,036	486	196	.....	354	261	52
103,600	54,236	600,413	.....	8,389	13,147	3,237,428	25,294	4,139,033	876,311	3,871	3,751	115	.....	5	968	53
5,029	1,456	7,649	475	2,350	113	23,548	229	47,219	23,442	30	.....	28	.....	2	.....	54
1,600	2,966	20,731	.....	2,732	457	33,030	642	77,249	43,577	2	.....	.....	.....	2	.....	55
387,493	294,489	2,668,524	268,663	203,094	26,815	6,746,305	133,112	13,288,633	6,409,216	9,261	7,276	1,641	30	314	609	56
169,625	279,557	722,754	18,118	5,000	23,069	1,220,239	49,770	2,983,994	1,713,985	2,019	1,985	24	.....	10	1,554	57
111,039	61,426	660,292	57,227	55,086	7,838	1,598,621	33,983	3,110,589	1,477,985	1,507	1,181	281	.....	45	312	58
9,916	4,216	57,588	80	2,010	1,088	18,192	5,236	118,135	94,707	177	80	96	.....	1	25	59
8,972	7,468	49,092	.....	1,760	591	64,457	1,141	158,699	93,101	58	50	5	.....	3	.....	60
83,272	78,466	376,964	.....	19,511	7,490	1,409,750	23,175	2,684,889	1,251,964	314	210	31	.....	73	64	61
202,924	445,068	582,001	1,365	22,289	27,651	3,155,071	28,307	6,490,270	3,306,892	1,037	955	23	2	57	774	62
329,212	181,518	1,997,359	62,233	119,609	41,664	3,508,746	392,354	7,596,570	3,695,470	7,269	6,755	262	.....	252	515	63
9,150	11,719	5,180	12	918	31	30,080	788	71,445	40,577	52	45	2	.....	5	.....	64

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

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PHILADELPHIA—Continued.															
1	Electrical machinery, apparatus, and supplies.	51	3,181	34	108	411	139	2,489	Mh 2,650	No 2,175	2,207	1,941	227	34	5	$8,964,558
2	Electroplating	18	138	24	5	3	3	103	Ap 108	Se [3] 98	103	100	1	2	.....	169,393
3	Engines, steam, gas, and water	5	371	1	15	32	8	315	Je 432	Ja 225	288	288	.....	.....	.....	1,991,242
4	Engraving and diesinking	42	113	42	2	3	4	62	De 65	Oc [3] 61	64	62	.....	2	.....	121,375
5	Engraving, steel and copper plate, including plate printing.	33	916	38	21	74	57	726	My 792	Jy 607	764	404	331	23	6	1,630,216
6	Fancy articles, not elsewhere specified	32	705	31	19	20	21	614	Oc 646	De 568	578	329	229	14	6	1,019,218
7	Feathers and plumes	11	489	12	2	23	18	434	Ap 481	De 358	426	44	316	2	64	506,260
8	Felt goods	3	137	.....	7	6	.....	124	De 146	Fe 58	145	132	13	.....	.....	527,737
9	Fertilizers	6	898	1	33	85	23	756	Fe 1,016	No 568	644	644	.....	.....	.....	4,839,125
10	Flavoring extracts	15	69	16	3	10	.....	40	My 47	Ja 37	39	28	11	.....	.....	162,342
11	Flour-mill and gristmill products	18	179	21	11	17	5	125	No [3] 138	Je 106	140	140	.....	.....	.....	1,420,772
12	Food preparations	64	1,238	63	53	164	77	881	.....	.....	915	696	195	15	9	2,272,614
13	Macaroni, vermicelli, and noodles.	12	223	15	2	9	2	195	De 207	Jy 176	207	175	29	.....	3	346,357
14	Other food products for human consumption.	48	980	46	48	155	75	656	Oc 708	Jy 601	675	488	166	15	6	1,848,417
15	For animals and fowls	4	35	2	3	.....	.....	30	Oc [3] 33	Jy [3] 27	33	33	.....	.....	.....	77,840
16	Foundry and machine-shop products.	374	13,775	335	548	1,349	293	11,250	.....	.....	10,781	10,484	159	123	15	43,350,302
17	Boiler shops	9	181	11	7	9	2	152	Fe 174	De 140	140	138	1	1	.....	224,202
18	Foundries	18	909	14	24	34	7	830	My 880	De 757	784	763	17	4	.....	1,530,606
19	Machine shops	347	12,685	310	517	1,306	284	10,268	Ja 10,673	Oc 9,842	9,857	9,583	141	118	15	41,595,494
20	Fur goods	49	260	53	16	14	25	152	De 256	Ap 81	233	131	100	1	1	658,935
21	Furnishing goods, men's	25	782	33	22	78	24	625	No 718	Au 559	710	132	572	2	4	868,617
22	Furniture	155	5,224	174	130	425	79	4,416	.....	.....	4,313	4,216	64	33	.....	12,582,004
23	Wood, and rattan and willow	108	2,831	120	84	182	51	2,394	Se 2,503	De 2,256	2,296	2,230	42	24	.....	4,501,364
24	Metal, and store and office fixtures.	47	2,393	54	46	243	28	2,022	Ja 2,273	Au 1,758	2,017	1,986	22	9	.....	8,080,640
25	Furs, dressed	5	55	8	2	1	1	43	No [3] 50	Mh 34	45	42	2	1	.....	92,126
26	Galvanizing	5	143	1	9	11	1	121	Mh [3] 128	No 113	123	123	.....	.....	.....	187,139
27	Gas and electric fixtures	25	837	23	36	73	26	679	No 715	Jy 639	654	584	54	16	.....	1,381,004
28	Gas machines and gas and water meters.	7	456	2	13	31	3	407	Mh 458	No 321	413	384	28	1	.....	1,138,099
29	Glass	3	973	.....	17	24	12	920	Ja 1,172	Jy 305	1,093	883	67	125	18	1,140,535
30	Glass, cutting, staining and ornamenting.	41	586	44	16	56	24	446	Fe 488	De 425	429	377	33	14	5	1,018,619
31	Grease and tallow, not including lubricating greases.	7	422	31	7	33	2	349	Je 364	No 342	346	346	.....	.....	.....	1,787,718
32	Haircloth	14	522	14	12	19	11	466	Fe 482	No 429	476	216	243	7	10	2,034,989
33	Hair work	11	112	16	2	5	4	85	Mh [3] 92	Se [3] 79	84	23	61	.....	.....	215,942
34	Hand stamps	16	164	16	1	2	3	142	Ja 205	Au 31	139	97	37	5	.....	338,440
35	Hardware	27	1,239	28	50	78	47	1,036	.....	.....	944	804	97	33	10	3,395,436
36	Builders' hardware	9	378	7	5	28	14	324	Ja 343	De 287	287	212	59	12	4	697,101
37	All other	18	861	21	45	50	33	712	My 773	De 631	657	592	38	21	6	2,698,335
38	Hats and caps, other than felt, straw, and wool.	52	707	70	11	27	13	586	Ap 605	Au 563	600	436	155	6	3	704,983
39	Hats, fur-felt	17	6,089	14	23	176	13	5,863	Ja 6,264	De 5,528	5,776	4,374	1,284	61	57	18,383,757
40	Hats, straw	9	389	13	11	11	11	343	Fe 456	Au 174	410	107	299	3	1	486,804
41	Hats, wool-felt	3	7	4	.....	.....	.....	3	(4) 3	(4) 3	3	2	1	.....	.....	8,835
42	Hosiery and knit goods	200	19,110	201	353	374	180	18,002	Mh 18,717	Ja 17,163	18,090	4,109	12,434	371	1,176	22,128,729
43	House-furnishing goods, not elsewhere specified.	21	389	20	11	27	13	318	Jy 356	My 286	300	97	200	.....	3	1,198,348
44	Ice, manufactured	34	765	24	59	50	5	627	Jy 771	Ja 496	730	729	.....	1	.....	5,730,470
45	Ink, printing	9	182	7	8	10	6	151	Ap [3] 152	Mh 148	152	148	4	.....	.....	1,206,157
46	Instruments, professional and scientific.	40	861	40	32	64	34	691	Fe 711	No 670	685	655	19	11	.....	1,284,060
47	Iron and steel, steel works and rolling mills.	7	5,567	4	68	504	23	4,968	Ja 5,275	Oc 4,715	4,998	4,975	4	19	.....	19,468,547
48	Iron and steel, bolts, nuts, washers, and rivets.	9	755	7	26	38	19	665	Ja 727	De 617	617	602	.....	15	.....	2,369,504
49	Iron and steel forgings	8	250	6	14	18	.....	212	Mh 225	Se 201	207	207	.....	.....	.....	862,672
50	Jewelry	82	492	95	14	14	23	346	Mh 358	No 337	343	290	38	13	2	936,518
51	Jute goods	6	369	4	8	4	3	350	Mh 368	Se 316	358	219	130	2	7	591,186
52	Lamps and reflectors	11	263	10	13	24	9	207	Oc 218	Jy 192	212	195	16	1	.....	842,608
53	Lasts	5	100	7	2	8	1	82	Fe [3] 87	Au [3] 77	85	85	.....	.....	.....	129,335
54	Leather goods, not elsewhere specified.	21	1,062	22	12	110	39	879	Oc 975	Ja 823	877	334	404	28	111	1,470,569
55	Leather, tanned, curried, and finished.	33	5,192	34	110	178	49	4,821	Ja 5,060	De 4,391	4,420	3,951	411	40	18	17,122,128
56	Liquors, malt	39	2,147	22	142	209	7	1,767	Jy 1,811	Fe 1,746	1,748	1,743	3	2	.....	29,724,474
57	Looking-glass and picture frames	27	212	32	5	14	13	148	Oc 171	Jy [3] 130	144	139	3	2	.....	273,421
58	Lubricating greases	4	2	2	8	11	31	29	Jy 31	De 23	23	23	.....	.....	.....	394,973
59	Lumber, planing-mill products, not including planing mills connected with sawmills.	51	2,353	57	55	115	26	2,100	Au 2,329	Fe 1,938	1,969	1,828	97	38	6	4,753,490
60	Marble and stone work	80	1,059	100	37	44	9	869	Au 1,039	Fe 655	874	873	.....	1	.....	1,753,169
61	Mattresses and spring beds	34	483	33	13	27	16	394	Se 413	De 377	384	310	68	6	.....	789,474

[1] Owned power only.

[3] Includes rented other power, than electric.

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

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

EXPENSES.										POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
$325,576	$565,846	$1,393,249	$22,469	$63,187	$41,831	$4,304,957	$100,320	$8,869,003	$4,463,726	4,540	3,690	181	.....	669	2,150	1
8,385	3,744	74,870	.....	12,119	.....	26,017	3,923	174,314	144,374	146	35	95	.....	16	.....	2
36,207	36,526	233,356	.....	4,300	7,318	242,671	12,393	522,183	267,119	577	450	127	.....	.....	340	3
2,340	3,222	49,006	1,133	8,698	245	11,827	2,352	140,452	126,273	75	15	33	.....	27	.....	4
61,451	105,777	414,250	39,584	37,333	1,928	408,877	9,993	1,342,461	923,591	422	75	34	.....	313	.....	5
29,111	27,145	269,362	19,925	21,762	1,946	525,930	8,998	1,180,521	645,593	207	85	46	.....	76	.....	6
6,500	31,788	147,737	.....	14,976	1,109	350,197	4,183	787,111	432,731	35	25	.....	.....	10	.....	7
18,820	6,692	72,432	.....	150	1,326	204,712	10,600	366,396	151,084	520	400	.....	100	20	.....	8
128,788	128,399	414,187	5,464	17,430	15,534	2,996,060	84,197	4,380,363	1,300,106	2,290	2,205	.....	.....	85	1,008	9
4,000	7,564	20,735	.....	4,149	577	100,835	887	192,356	90,634	15	8	.....	.....	7	.....	10
16,380	17,976	83,165	.....	2,827	4,619	2,208,543	24,324	2,870,852	637,985	1,267	1,050	131	.....	86	200	11
129,918	155,312	499,981	3,975	21,236	15,998	3,103,261	45,974	4,629,763	1,480,528	1,641	1,192	140	.....	309	290	12
2,040	9,968	97,093	.....	3,810	1,833	336,976	8,950	560,460	214,534	377	325	14	.....	38	15	13
124,394	145,344	383,032	3,975	16,466	13,533	2,589,075	31,267	3,834,342	1,214,000	1,069	712	86	.....	271	275	14
3,484	.....	19,856	.....	960	632	177,210	5,757	234,961	51,994	195	155	40	.....	.....	.....	15
1,462,389	1,605,036	7,619,724	31,951	288,566	143,844	9,891,049	455,240	26,588,018	16,241,729	20,239	14,858	2,440	.....	2,941	13,598	16
10,348	9,645	95,742	42	3,882	962	156,887	4,997	338,319	176,435	281	231	50	.....	.....	.....	17
51,513	33,980	520,593	3,236	22,812	3,448	358,345	33,011	1,212,366	821,010	793	577	82	.....	134	107	18
1,400,528	1,561,411	7,003,389	28,673	261,872	139,434	9,375,817	417,232	25,037,333	15,244,284	19,165	14,050	2,308	.....	2,807	13,491	19
30,293	24,482	105,903	1,850	56,131	1,334	422,355	3,747	793,630	367,528	30	.....	.....	.....	30	.....	20
50,039	95,740	256,214	13,537	29,755	254	1,190,948	6,667	1,815,106	617,491	107	.....	30	.....	77	.....	21
348,002	532,569	2,882,623	50,351	189,513	34,482	4,630,566	89,975	10,898,421	6,177,880	5,079	3,931	381	.....	767	1,105	22
180,976	213,130	1,391,584	38,751	119,865	15,907	2,108,165	48,054	5,409,520	3,253,301	2,859	2,383	253	.....	223	1,105	23
167,026	319,439	1,491,039	11,600	69,648	18,575	2,522,401	41,921	5,488,901	2,924,579	2,220	1,548	128	.....	544	.....	24
2,450	2,000	32,393	2,000	3,610	.....	82,298	946	145,638	62,394	28	25	.....	.....	3	.....	25
18,379	7,221	67,380	.....	5,660	465	305,668	11,201	461,266	144,397	55	25	.....	.....	30	.....	26
94,905	86,846	432,087	4,010	30,690	2,715	526,502	21,994	1,346,747	798,251	451	200	142	.....	109	61	27
39,552	41,296	265,053	.....	7,442	4,818	586,738	12,016	1,350,779	752,025	155	80	44	.....	31	.....	28
39,820	42,819	530,120	9,017	240	4,341	298,007	100,924	1,147,871	748,940	350	300	.....	.....	50	87	29
37,552	63,101	262,845	1,035	22,386	3,652	664,292	13,990	1,222,961	544,679	549	429	54	.....	66	40	30
24,760	29,845	212,064	.....	6,130	6,004	1,709,107	57,901	2,210,192	443,184	818	813	.....	.....	5	271	31
42,737	36,090	232,742	2,913	26,576	3,457	1,293,378	12,549	1,916,554	610,627	1,174	1,030	134	.....	10	105	32
2,392	7,532	46,331	.....	15,038	459	58,525	1,842	187,923	127,556	10	.....	.....	.....	10	.....	33
8,450	4,810	91,926	1,550	8,338	222	50,560	4,875	221,553	166,118	111	100	5	.....	6	.....	34
100,780	110,688	569,280	11,250	13,888	10,896	535,555	39,601	1,817,629	1,242,473	1,555	1,460	68	.....	27	1,182	35
18,248	42,261	154,387	1,250	3,962	2,414	150,231	13,382	541,758	378,145	516	488	14	.....	14	520	36
82,532	68,427	414,893	10,000	9,926	8,482	385,324	26,219	1,275,871	864,328	1,039	972	54	.....	13	662	37
25,704	87,164	367,567	23,081	32,283	871	735,944	9,441	1,483,738	738,353	72	.....	4	.....	68	.....	38
139,671	199,484	3,634,453	2,000	12,217	79,760	3,161,411	100,917	9,914,443	6,652,115	5,222	4,654	45	.....	523	3,390	39
28,328	21,988	161,733	3,596	22,290	548	641,429	7,233	1,010,821	362,159	74	30	.....	.....	44	.....	40
.....	.....	2,102	.....	530	94	1,890	329	5,642	3,423	3	.....	.....	.....	3	.....	41
743,033	509,416	7,598,593	807,169	369,292	38,333	17,669,839	159,639	31,350,085	13,520,607	8,615	6,073	1,266	.....	1,276	1,446	42
26,530	41,593	125,890	1,404	6,936	2,278	920,936	7,080	1,264,697	336,681	456	360	.....	.....	96	.....	43
79,888	40,647	382,191	13,052	5,470	28,910	162,064	395,481	1,843,890	1,286,345	14,457	13,918	508	.....	31	817	44
25,100	11,314	106,178	100	6,513	2,332	809,892	13,449	1,051,871	228,530	341	200	112	.....	29	60	45
89,937	87,743	384,337	2,222	43,132	3,967	303,661	15,929	1,409,850	1,090,260	729	550	111	.....	68	207	46
397,956	585,849	2,880,858	.....	9,600	32,673	3,204,507	1,241,395	10,168,512	5,722,610	74,245	74,245	.....	.....	.....	20,689	47
68,557	52,904	277,461	.....	900	10,989	716,163	32,589	1,254,047	505,295	1,722	1,660	60	.....	2	1,033	48
28,664	16,474	139,546	.....	1,950	2,036	195,900	40,704	492,188	255,584	916	837	6	.....	73	150	49
18,108	33,210	254,159	13,022	31,131	2,001	546,472	8,898	1,147,461	592,091	223	.....	86	.....	137	.....	50
15,990	5,564	176,937	12,100	4,960	1,694	417,129	8,651	735,668	309,888	453	387	65	.....	1	.....	51
30,150	29,621	104,457	.....	13,882	1,366	375,112	7,433	656,468	273,923	112	25	14	.....	73	.....	52
3,700	13,475	55,100	.....	2,529	180	28,141	4,025	135,616	103,450	183	100	40	.....	43	61	53
54,920	146,381	366,432	15	22,396	3,876	868,927	7,395	1,729,467	853,145	223	133	13	.....	77	54	54
431,266	220,424	2,697,911	3,609	128,522	55,313	18,125,235	170,540	23,557,091	5,261,316	9,518	9,013	60	.....	445	3,733	55
882,663	289,408	1,560,588	15,799	249,864	2,614,790	3,841,310	310,112	13,908,391	9,756,969	13,023	12,455	50	.....	518	2,178	56
8,713	18,956	88,635	320	15,818	770	162,958	3,286	357,814	191,570	74	.....	5	.....	69	.....	57
11,370	52,326	20,499	.....	1,200	1,760	150,237	1,908	550,803	398,658	38	.....	37	.....	1	.....	58
150,547	143,725	1,324,929	101,468	59,379	21,844	2,524,299	34,932	4,835,355	2,276,124	5,503	4,735	100	.....	668	1,088	59
69,979	40,817	672,514	16,309	26,033	8,399	1,071,522	38,169	2,321,324	1,211,633	2,199	1,227	686	.....	286	195	60
26,262	33,658	225,735	.....	25,874	1,992	737,100	10,055	1,268,437	521,282	589	275	175	.....	139	37	61

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

[4] Same number reported throughout the year.

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PHILADELPHIA—Continued.															
1	Millinery and lace goods	93	2,540	141	33	94	73	2,199	.....	.....	2,171	476	1,633	12	50	$2,342,379
2	Trimmed hats and hat frames	39	1,177	60	12	45	54	1,006	Fe 1,329	Jy 711	1,044	179	850	3	12	765,039
3	Dress and cloak trimmings, braids, and fringes.	10	446	18	4	30	6	388	Mh 535	Ap 281	341	163	169	2	7	786,425
4	All other	44	917	63	17	19	13	805	Fe 875	Je 724	786	134	614	7	31	790,915
5	Mineral and soda waters	67	513	68	19	60	29	337	My 392	Ja 296	305	302	2	1	.....	1,506,706
6	Minerals and earths, ground	7	79	9	9	7	1	53	Oc 59	Fe [3] 50	54	54	.....	.....	.....	270,071
7	Mirrors, framed and unframed	6	83	7	.....	9	5	62	No 66	Je [3] 59	64	64	.....	.....	.....	127,208
8	Models and patterns, not including paper patterns.	33	204	41	10	1	4	148	Ap 173	Jy 133	150	149	.....	1	.....	129,904
9	Motorcycles, bicycles, and parts	4	26	4	9	.....	1	12	De [3] 14	Au [3] 9	14	13	1	.....	.....	22,625
10	Mucilage and paste	10	130	6	16	12	8	88	Se 99	No 79	92	66	26	.....	.....	427,206
11	Musical instruments and materials, not specified.	13	53	14	1	1	3	34	No 37	Jy [3] 31	37	27	.....	10	.....	68,423
12	Musical instruments, organs	3	67	4	2	2	2	57	My 64	Se 51	53	53	.....	.....	.....	31,145
13	Musical instruments, pianos	5	186	2	7	6	.....	171	Fe 201	Se 140	165	156	2	7	.....	375,206
14	Musical instruments, piano and organ materials.	3	66	4	2	2	3	55	Jy 62	Fe [3] 50	57	57	.....	.....	.....	127,109
15	Oil, not elsewhere specified	18	395	10	37	43	35	270	Mh 294	Au 243	260	244	3	13	.....	2,151,066
16	Optical goods	26	578	23	20	103	54	378	Mh 386	Jy 373	381	224	103	24	30	793,626
17	Paints	38	1,950	33	115	306	73	1,423	Oc 1,461	Mh 1,349	1,426	1,373	39	13	1	9,268,005
18	Paper and wood pulp	6	1,547	2	39	45	24	1,437	Se 1,473	No 1,388	1,403	1,291	112	.....	.....	6,786,939
19	Paper goods, not elsewhere specified	27	1,698	21	71	201	86	1,319	Oc 1,398	De 1,247	1,320	608	659	40	13	4,038,096
20	Patent medicines and compounds	96	988	72	74	229	100	513	Mh 544	Au 489	491	262	225	1	3	2,488,861
21	Paving materials	3	703	.....	14	21	1	667	Oc 1,130	Ja [3] 108	743	741	1	1	.....	1,337,157
22	Perfumery and cosmetics	28	239	28	22	22	24	143	Oc 155	Ja 122	144	52	86	.....	6	320,976
23	Photo-engraving	14	644	17	25	92	30	480	Ja 497	De 465	470	443	21	6	.....	521,421
24	Photographic apparatus	4	32	3	1	.....	3	25	Fe 31	De 19	19	17	2	.....	.....	34,975
25	Photographic materials	4	67	5	2	13	1	46	Au 50	De [3] 43	43	32	3	8	.....	216,850
26	Pickles, preserves, and sauces	19	505	23	8	48	29	397	.....	.....	378	230	145	.....	3	1,153,403
27	Preserves	8	171	9	3	12	5	142	Jy 172	Ja 117	124	80	43	.....	1	510,582
28	Pickles and sauces	11	334	14	5	36	24	255	Se 292	Fe 238	254	150	102	.....	2	642,881
29	Plumbers' supplies, not elsewhere specified.	17	560	16	33	58	23	430	Ja 462	My 412	439	416	16	6	1	1,395,736
30	Pocketbooks	5	61	4	3	5	4	45	My 50	Au 39	46	26	20	.....	.....	61,218
31	Printing and publishing, book and job.	556	8,196	607	330	654	418	6,187	.....	.....	6,304	4,737	1,335	184	48	16,499,987
32	Job printing	501	6,860	537	263	452	219	5,389	Ja 5,602	Jy 5,134	5,504	4,233	1,070	165	36	10,602,398
33	Book publishing and printing	10	1,003	8	34	93	133	735	Jy 759	My 711	736	444	261	19	12	4,175,775
34	Book publishing without printing	38	253	52	31	107	63	.....	.....	.....	.....	.....	.....	.....	.....	1,625,276
35	Linotype work and typesetting	7	80	10	2	2	3	63	Ja 75	Jy 55	64	60	4	.....	.....	96,538
36	Printing and publishing, newspapers and periodicals.	240	9,831	162	432	2,455	1,169	5,613	.....	.....	5,778	4,084	1,558	129	7	33,529,190
37	Printing and publishing	31	6,375	17	221	1,312	500	4,325	Ja 4,718	Au 3,898	4,483	2,903	1,464	109	7	24,800,927
38	Printing, publishing, and job printing.	64	2,540	57	111	772	312	1,288	Mh 1,304	Se 1,271	1,295	1,181	94	20	.....	5,894,077
39	Publishing without printing	145	916	88	100	371	357	.....	.....	.....	.....	.....	.....	.....	.....	2,834,186
40	Pumps, not including power pumps	3	10	2	1	2	1	4	De [3] 5	No [3] 3	5	4	.....	1	.....	8,085
41	Refrigerators	4	96	3	5	12	1	75	Se 83	Ja 60	75	75	.....	.....	.....	150,168
42	Regalia and society badges and emblems.	16	92	14	6	7	5	60	My [3] 71	No 53	59	19	38	1	1	77,397
43	Rubber goods, not elsewhere specified	5	616	2	23	35	7	549	Fe 610	No. 507	523	461	56	3	3	2,951,830
44	Saddlery and harness	64	197	68	2	7	1	119	Je 131	De 112	112	107	4	1	.....	218,554
45	Safes and vaults	4	262	.....	16	17	4	225	Ap 241	No 210	219	219	.....	.....	.....	888,325
46	Sausage	5	24	8	.....	.....	.....	16	(4) 16	(4) 16	16	16	.....	.....	.....	20,820
47	Screws, machine	6	120	6	8	12	3	91	Fe 108	Au 77	90	79	11	.....	.....	213,456
48	Shirts	46	3,942	69	62	322	121	3,368	My 3,456	Ja 3,201	3,522	988	2,446	42	46	3,815,261
49	Signs and advertising novelties	30	428	40	9	57	17	305	Oc 330	Mh 256	319	175	122	8	14	570,859
50	Silk goods, including throwsters	32	3,656	33	65	126	41	3,391	Mh 3,520	No 3,226	3,307	1,023	2,051	46	187	6,572,742
51	Silversmithing and silverware	3	20	3	1	.....	2	14	Mh [3] 17	Au [3] 11	17	16	.....	1	.....	16,000
52	Slaughtering and meat packing	53	1,677	57	50	234	34	1,302	De 1,350	Au 1,265	1,352	1,288	62	.....	2	5,152,180
53	Smelting and refining, not from the ore.	9	96	6	11	6	4	69	Je 88	Oc 46	160	160	.....	.....	.....	313,527
54	Soap	27	1,160	31	20	125	72	912	Jy 939	Ja 895	903	718	145	39	1	5,156,592
55	Stamped ware	11	513	7	18	21	3	464	Ja 526	Se 431	453	373	79	1	.....	922,660
56	Stationery goods, not elsewhere specified.	10	287	11	9	41	29	197	My 212	Ja 176	194	65	125	3	1	221,677
57	Statuary and art goods	11	179	15	10	5	3	146	No 206	Fe 121	180	180	.....	.....	.....	311,626
58	Steam fittings and steam and hot-water heating apparatus.	16	892	10	40	141	23	678	.....	.....	683	665	14	4	.....	1,885,903
59	Radiators and cast-iron heating boilers.	4	43	5	2	6	3	27	Oc 30	Jy 23	28	28	.....	.....	.....	67,588
60	All other	12	849	5	38	135	20	651	Fe 693	Jy 610	655	637	14	4	.....	1,818,375

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$64,500	$146,346	$990,274	$6,409	$93,169	$2,814	$1,885,995	$21,129	$4,023,121	$2,115,997	493	220	66	.....	207	59	1
24,846	70,387	479,482	1,033	52,163	249	1,229,800	7,604	2,235,857	998,453	73	.....	11	.....	62	.....	2
5,810	41,973	182,647	.....	10,776	1,864	310,157	5,412	779,003	463,434	173	120	29	.....	24	58	3
33,844	33,986	328,145	5,376	30,230	701	346,038	8,113	1,008,261	654,110	247	100	26	.....	121	1	4
40,834	159,329	232,934	208	35,078	6,465	669,518	15,570	1,719,811	1,034,723	345	149	69	.....	127	.....	5
16,100	5,214	42,549	9,232	2,297	1,821	135,537	10,286	261,186	115,363	349	320	21	.....	8	.....	6
.....	8,701	38,714	975	5,588	217	140,618	4,295	226,783	81,870	65	27	8	.....	30	1	7
12,224	1,626	99,638	25	12,254	197	42,081	3,829	210,458	164,548	156	15	66	.....	75	.....	8
6,820	418	7,212	.....	1,440	13	14,815	525	24,470	9,130	16	.....	15	.....	1	.....	9
50,067	20,060	44,896	.....	2,434	1,916	545,034	4,728	840,830	291,068	185	91	94	.....	.....	13	10
1,820	2,164	23,728	1,022	2,830	523	11,607	1,706	61,186	47,873	38	.....	6	.....	32	.....	11
2,400	1,720	39,807	438	2,076	.....	15,845	827	77,720	61,048	29	.....	29	.....	.....	.....	12
37,906	6,847	90,039	.....	12,124	1,037	184,961	4,187	362,162	173,014	197	.....	.....	.....	197	.....	13
6,100	4,286	32,809	.....	2,370	180	147,736	1,696	223,476	74,044	53	.....	28	.....	25	.....	14
106,764	65,118	171,638	.....	52,283	7,053	2,542,217	46,419	3,421,694	833,058	1,138	1,020	100	.....	18	549	15
62,353	115,734	205,986	.....	44,687	1,658	395,472	9,313	1,187,796	783,011	156	51	30	.....	75	.....	16
309,506	377,590	867,419	.....	56,848	33,240	5,452,209	189,634	8,612,068	2,970,225	5,348	4,032	245	.....	1,071	372	17
163,480	67,265	760,679	.....	.....	13,743	2,599,690	349,053	5,034,167	2,085,424	12,510	12,210	.....	300	.....	2,093	18
188,728	220,429	578,971	.....	46,765	6,631	2,459,314	29,038	4,194,982	1,706,630	1,180	777	154	.....	249	312	19
180,398	436,090	263,004	5,523	41,127	14,570	1,262,472	15,716	3,730,149	2,451,961	564	367	37	.....	160	171	20
40,858	21,304	402,461	13,965	7,118	3,703	660,576	32,846	1,426,535	733,113	1,193	1,143	50	.....	.....	.....	21
37,265	25,522	51,959	350	15,724	3,032	287,867	3,317	634,371	343,187	113	63	30	.....	20	.....	22
83,984	102,578	531,272	11,972	34,638	521	204,361	17,669	1,172,095	950,065	218	.....	5	.....	213	.....	23
1,500	2,694	17,742	.....	1,740	173	15,610	1,111	61,028	44,307	18	.....	.....	.....	18	.....	24
4,240	12,008	22,001	.....	3,549	378	100,885	4,937	177,464	71,642	28	.....	5	.....	23	.....	25
21,700	64,812	185,483	.....	11,100	4,728	1,435,829	16,905	2,108,137	655,403	540	491	.....	.....	49	.....	26
8,700	16,534	64,597	.....	580	2,359	569,034	7,444	818,061	241,583	195	187	.....	.....	8	.....	27
13,000	48,278	120,886	.....	10,520	2,369	866,795	9,461	1,290,076	413,820	345	304	.....	.....	41	.....	28
66,829	58,195	266,084	1,722	9,608	4,384	578,961	17,446	1,098,334	501,927	846	700	125	.....	21	310	29
3,640	6,942	19,287	.....	2,500	6	36,824	1,479	98,503	60,200	11	.....	.....	.....	11	.....	30
991,990	874,836	3,985,747	627,113	479,155	30,648	6,444,265	165,782	17,355,793	10,745,746	5,483	2,112	508	.....	2,863	689	31
801,463	593,066	3,477,947	171,125	403,844	23,200	4,610,269	135,934	12,844,792	8,098,589	4,859	1,679	508	.....	2,672	450	32
129,201	137,496	455,705	12,273	56,018	6,423	1,654,362	25,900	3,229,018	1,548,756	594	433	.....	.....	161	239	33
58,326	140,932	.....	443,715	16,684	1,025	174,117	1,410	1,183,742	1,008,215	2	.....	.....	.....	2	.....	34
3,000	3,342	52,095	.....	2,609	.....	5,517	2,538	98,241	90,186	28	.....	.....	.....	28	.....	35
1,597,934	3,106,684	4,340,034	1,350,583	227,434	179,769	9,915,567	170,409	32,656,741	22,570,765	12,060	7,435	118	.....	4,507	3,705	36
1,014,358	1,660,897	3,289,701	89,731	87,537	148,506	7,515,870	111,662	23,079,310	15,451,778	9,846	6,320	20	.....	3,506	3,604	37
371,240	965,403	1,050,333	129,182	81,663	22,314	2,019,869	55,421	6,230,707	4,155,417	2,214	1,115	98	.....	1,001	101	38
212,336	480,384	.....	1,131,670	58,234	8,949	379,828	3,326	3,346,724	2,963,570	.....	.....	.....	.....	.....	.....	39
1,000	1,880	2,342	3,312	480	.....	4,551	160	17,182	12,471	.....	.....	.....	.....	.....	.....	40
8,500	7,754	62,310	2,314	1,800	747	125,043	1,734	249,756	122,979	60	25	25	.....	10	20	41
7,538	5,590	27,934	1,074	7,322	54	51,841	1,571	125,119	71,707	12	.....	.....	.....	12	.....	42
125,917	37,023	284,057	.....	3,331	5,514	1,965,388	65,656	2,812,935	781,891	2,581	1,797	.....	.....	784	95	43
4,758	7,472	72,262	370	13,767	1,134	155,920	3,055	333,078	174,103	59	.....	30	.....	29	.....	44
30,662	19,501	153,378	2,775	1,395	3,232	257,946	17,352	556,657	281,359	731	35	.....	.....	696	.....	45
.....	.....	6,561	.....	600	196	67,668	810	89,030	20,552	47	7	.....	.....	40	.....	46
12,843	4,522	54,989	.....	6,074	430	37,765	3,288	169,124	128,071	93	.....	58	.....	35	.....	47
103,648	447,007	1,552,995	327,377	113,107	3,567	3,789,716	37,866	7,175,845	3,348,263	1,340	735	296	.....	309	393	48
19,860	143,837	163,644	4,931	22,996	517	525,056	3,889	1,027,970	499,025	145	.....	4	.....	141	.....	49
182,073	261,911	1,583,086	680,093	107,467	15,923	4,189,441	42,357	8,237,255	4,005,457	2,658	1,630	627	.....	401	1,250	50
1,500	1,028	7,184	.....	1,554	3	8,025	1,135	28,230	19,070	15	.....	.....	.....	15	.....	51
155,482	236,881	941,059	12,533	68,078	30,990	23,383,541	110,713	26,395,302	2,901,048	3,105	2,839	45	.....	221	936	52
18,290	7,003	41,223	.....	2,175	782	832,950	11,161	921,986	77,875	210	57	41	4	108	16	53
100,883	185,669	552,245	120	9,693	16,946	5,985,614	53,294	9,023,926	2,985,018	1,594	1,435	59	.....	100	247	54
50,902	28,253	231,612	2,020	9,364	3,538	301,660	15,308	596,151	279,183	412	251	65	.....	96	.....	55
22,459	40,332	85,497	8,608	15,835	778	133,786	3,634	440,856	303,436	20	.....	5	.....	15	.....	56
17,088	6,037	114,305	10,223	5,322	568	54,969	2,643	283,867	226,255	49	.....	45	.....	4	10	57
92,943	198,679	423,852	3,600	35,943	4,919	895,759	21,382	2,105,553	1,188,412	945	665	189	.....	91	290	58
6,020	11,056	17,279	3,600	3,360	174	40,603	1,892	102,351	59,856	54	.....	54	.....	.....	.....	59
86,923	187,623	406,573	.....	32,583	4,745	855,156	19,490	2,003,202	1,128,556	891	665	135	.....	91	290	60

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

[2] Same number reported throughout the year.

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PHILADELPHIA—Continued.															
1	Steam packing	16	294	8	27	61	11	187	Fe 209	Au 169	184	163	21	.....	.....	$1,152,461
2	Stencils and brands	9	70	11	7	10	2	40	My 44	Fe[3] 38	41	39	.....	2	.....	121,822
3	Stereotyping and electrotyping	15	380	10	14	39	10	307	My 319	De 289	287	282	1	4	.....	459,488
4	Stoves and furnaces, including gas and oil stoves.	21	900	19	61	79	16	725	Oc 793	Mh 663	734	729	2	3	.....	2,098,001
5	Structural ironwork, not made in steel works or rolling mills.	45	971	48	30	77	16	800	Se 850	Mh 750	802	801	1	.....	.....	1,519,040
6	Sugar, refining	3	1,896	.....	44	110	1	1,741	Au 2,023	Fe 1,394	1,686	1,576	101	1	8	19,698,629
7	Surgical appliances	16	564	19	25	43	31	446	My 462	No 432	459	278	164	8	9	722,372
8	Suspenders, garters, and elastic woven goods.	13	622	16	12	83	19	492	De 595	Ja 380	601	145	405	9	42	677,394
9	Tinware	16	904	19	16	91	24	754	My 796	Fe 687	736	640	79	12	5	3,259,420
10	Tobacco, smoking, and snuff	16	78	16	2	9	.....	51	Jy 57	Ja 43	55	26	29	.....	.....	161,152
11	Tobacco, cigars and cigarettes	410	7,904	439	108	351	96	6,910	No 7,295	Au 6,659	7,083	2,215	4,781	7	80	7,441,124
12	Tools, not elsewhere specified	18	1,041	23	26	71	16	905	My 951	No 847	918	888	26	3	1	2,228,657
13	Toys and games	17	607	16	17	14	7	553	Oc 735	My 460	662	364	205	70	23	1,251,394
14	Trunks and valises	46	1,000	65	26	54	14	841	Ap 929	No 753	842	772	55	10	5	1,092,416
15	Umbrellas and canes	27	1,159	32	22	25	11	1,069	Fe 1,292	Jy 907	929	564	326	28	11	3,403,264
16	Varnishes	15	166	11	17	22	15	101	Oc[3] 102	Ja 99	103	101	2	.....	.....	727,624
17	Wall paper	4	554	.....	11	48	10	485	De 542	Au 291	535	419	67	31	18	1,748,423
18	Window and door screens and weather strips.	8	133	12	4	.....	3	114	De 140	Se 45	145	125	14	2	4	368,621
19	Window shades and fixtures	17	287	21	10	38	5	213	My 251	Ja 182	228	165	60	3	.....	505,362
20	Wirework	21	309	19	13	26	8	243	My 261	Fe 219	244	197	37	7	3	448,084
21	Wood, turned and carved	28	361	31	7	13	.....	310	De 349	Au 244	348	348	.....	.....	.....	424,215
22	Woodengoods, not elsewhere specified	6	38	8	.....	.....	.....	30	Jy[3] 32	Ap 28	31	31	.....	.....	.....	27,640
23	Wool pulling	5	181	5	6	6	.....	164	Fe 173	My 151	166	166	.....	.....	.....	451,814
24	Wool scouring	3	98	4	5	5	2	82	Mh 112	Oc 47	116	98	18	.....	.....	337,690
25	Wool shoddy	7	161	9	3	5	.....	144	De 152	Au 139	152	108	41	3	.....	668,948
26	Woolen and worsted goods	123	17,815	101	246	430	114	16,924	Mh 17,923	No 16,043	17,038	7,402	8,203	573	860	39,198,537
27	All other industries*	386	31,970	354	626	2,720	471	27,799	.....	.....	27,370	23,577	3,198	406	189	168,182,793

*All other industries embrace—
Agricultural implements 2
Aluminum ware 1
Ammunition 1
Artificial flowers 16
Artists' materials 5
Bags, other than paper 8
Baking powders 4
Belting and hose, woven 2
Billiard tables and materials 3
Bluing 5
Bone, carbon, and lamp black 2
Boot and shoe cut stock 2
Butter 1
Buttons 19
Canning and preserving, fish 1
Card cutting and designing 18
Carriages and sleds, children's 4
Cars, electric-railroad, not including operations of railroad companies 1
Cash registers and calculating machines 1
China decorating, not including that done in potteries 3
Chocolate and cocoa products, not including confectionery 3
Clocks 2
Cloth, sponging and refinishing 5
Collars and cuffs, men's 1
Condensed milk 1
Cordials and flavoring sirups 4
Crucibles 3
Drug grinding 3
Emery and other abrasive wheels 4
Enameling 4
Engravers' materials 1
Engraving, wood 4
Files 6
Firearms 3
Fire extinguishers, chemical 2
Flags and banners 3
Foundry supplies 2
Gas, illuminating and heating 3
Gloves and mittens, leather 2
Glue, not elsewhere specified 4
Gold and silver, leaf and foil 4
Gold and silver, reducing and refining, not from the ore 4
Grindstones 1
Hammocks 3
Hardware, saddlery 4
Hat and cap materials 5
Ink, writing 3
Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills 3
Iron and steel, wrought pipe 2
Japanning 2
Jewelry and instrument cases 8

1	**PITTSBURGH**—All industries	1,741	83,385	1,580	2,460	7,919	1,806	69,620	Mh 73,597	No 63,561	67,265	56,887	9,134	671	573	$309,217,271
2	Automobile bodies and parts	11	189	13	9	4	6	157	Je 196	Ja 114	157	155	2	.....	.....	$327,347
3	Automobile repairing	24	242	25	15	13	16	173	Je 223	Ja 128	158	158	.....	.....	.....	594,766
4	Awnings, tents, and sails	10	124	13	11	18	5	77	My 136	Fe 55	70	40	30	.....	.....	161,751
5	Bookbinding and blank-book making	14	189	15	8	11	4	151	Jy 162	Se 144	145	71	65	9	.....	111,364
6	Boxes, cigar	3	147	5	4	2	5	131	Ja 144	Jy 120	139	27	96	2	14	99,188
7	Boxes and cartons, paper	6	243	5	10	8	7	213	Oc[3] 219	Je 202	218	69	126	4	19	194,338
8	Brass, bronze, and copper products	12	591	18	25	60	7	481	My[3] 507	No[3] 441	447	442	3	2	.....	2,995,530
9	Bread and bakery products	242	3,509	256	58	534	98	2,563	.....	.....	2,655	1,848	726	17	64	8,226,669
10	Biscuits and crackers	4	1,563	2	19	280	39	1,223	Ap 1,276	Se 1,177	1,188	571	550	8	59	4,643,117
11	All other	238	1,946	254	39	254	59	1,340	Oc 1,418	Ja 1,258	1,467	1,277	176	9	5	3,583,552
12	Brick and tile, terra-cotta, and fire-clay products.	15	883	13	17	13	5	835	Je 977	Ja 631	890	882	7	1	.....	1,954,567
13	Brooms and brushes	12	216	11	11	4	6	184	No 207	Je 174	203	170	24	7	2	344,668
14	Carpets, rag	4	16	4	1	.....	.....	11	Je 14	Ja[3] 10	10	7	2	.....	1	14,567
15	Carriages, wagons, and repairs	42	357	58	11	12	1	280	.....	.....	273	272	.....	1	.....	589,187
16	Carriages and wagons	32	284	38	10	7	.....	229	Ap 246	De 206	219	218	.....	1	.....	513,648
17	Repair work only	10	73	15	1	5	1	51	Jy[3] 59	De[3] 34	54	54	.....	.....	.....	75,539
18	Cars and general shop construction and repairs by steam-railroad companies.	5	5,333	.....	63	341	3	4,926	Fe 5,124	De 4,738	4,738	4,642	92	4	.....	4,254,429
19	Chemicals	4	90	.....	8	23	7	52	Jy 57	De[3] 48	52	50	2	.....	.....	583,853
20	Cleansing and polishing preparations.	8	45	9	5	8	3	20	Ap 30	Jy[3] 15	18	11	7	.....	.....	36,600
21	Clothing, men's	30	988	45	16	79	20	828	.....	.....	807	186	614	2	5	1,170,638
22	Men's and youths'	13	838	23	16	79	20	700	Mh 752	De 631	675	115	553	2	5	1,164,569
23	Contract work, men's and youths'	17	150	22	.....	.....	.....	128	My[3] 132	Jy[3] 126	132	71	61	.....	.....	6,069

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$58,582	$77,017	$106,101	.....	$18,991	$3,349	$422,447	$13,633	$858,566	$422,486	257	58	94	.....	105	.....	1
10,120	3,632	32,079	$615	1,970	520	36,819	945	110,288	72,524	33	18	12	.....	3	.....	2
48,850	40,626	267,422	5,668	26,245	1,210	153,595	22,817	777,713	601,301	583	50	60	.....	473	.....	3
119,977	96,953	447,146	4,983	40,448	6,072	787,681	25,799	1,818,057	1,004,577	776	630	119	.....	27	738	4
62,534	83,615	501,087	1,173	27,108	5,840	1,041,550	37,048	1,932,674	854,076	814	484	195	.....	135	165	5
187,296	87,130	1,240,297	1,043	1,000	92,549	41,447,743	650,655	45,936,147	3,837,749	16,955	16,955	.....	.....	.....	3,137	6
73,232	64,542	255,701	100	16,327	3,251	309,061	8,137	893,457	576,259	253	210	20	.....	23	.....	7
43,408	185,145	175,883	.....	19,332	1,109	1,288,089	3,642	1,987,726	695,995	34	.....	10	.....	24	.....	8
36,308	95,324	415,211	.....	21,076	6,340	982,094	15,206	2,013,330	1,016,030	659	485	129	.....	45	364	9
7,200	5,650	23,155	36	10,684	48,672	61,757	1,611	193,903	130,535	92	85	.....	.....	7	75	10
254,568	463,344	2,899,721	4,786	148,966	1,284,831	5,264,205	46,635	12,539,378	7,228,538	562	225	99	.....	238	35	11
73,085	90,909	487,683	150	5,404	6,988	832,454	43,268	1,837,884	962,162	1,224	770	122	15	317	8	12
52,520	13,239	248,332	9,415	3,947	4,430	335,287	10,922	983,635	637,426	456	270	12	.....	174	.....	13
78,734	152,073	465,997	500	47,732	3,980	1,252,442	15,451	2,332,645	1,064,752	381	254	57	.....	70	.....	14
47,222	44,206	518,284	200	20,638	5,878	945,329	30,591	1,858,582	882,662	1,494	1,388	62	.....	44	313	15
83,617	37,252	57,250	.....	8,187	2,309	613,113	6,322	1,042,539	423,104	218	165	26	.....	27	22	16
57,114	59,094	260,949	.....	22,525	5,210	960,983	15,124	1,455,336	479,229	470	470	.....	.....	.....	30	17
7,736	2,782	60,790	100	780	1,571	195,196	1,949	326,578	129,433	729	705	5	.....	19	.....	18
17,621	33,207	145,323	120	12,065	3,771	462,702	2,874	815,044	349,468	16	.....	.....	.....	16	.....	19
33,590	17,163	123,065	1,560	11,690	1,314	117,409	5,010	407,039	284,620	208	15	58	.....	135	.....	20
11,800	12,222	146,700	50	8,998	1,832	174,988	5,075	424,755	244,692	374	242	93	.....	39	.....	21
.....	.....	18,181	.....	2,796	97	19,894	60	46,115	26,161	79	20	59	.....	.....	.....	22
19,014	8,532	100,680	.....	6,200	2,437	1,393,690	10,901	1,889,277	484,686	333	333	.....	.....	.....	.....	23
9,343	3,791	43,356	.....	6,000	1,153	17,831	13,155	126,537	95,551	990	975	.....	.....	15	.....	24
3,506	4,956	74,613	.....	3,970	1,469	664,240	10,509	806,987	132,238	682	627	.....	.....	55	.....	25
694,002	795,219	7,816,832	928,032	282,804	92,969	30,498,123	505,758	45,608,227	14,604,346	28,443	23,857	2,786	220	1,580	2,439	26
1,860,292	3,129,898	15,253,806	221,211	2,343,394	2,482,441	52,246,729	4,950,656	94,335,713	37,138,328	83,359	65,165	5,746	.....	12,448	32,982	27

Labels and tags	10	Oilcloth and linoleum, floor	2	Roofing materials	3	Vault lights and ventilators	4
Lapidary work	4	Peanuts, grading, roasting, cleaning, and shelling	2	Sand and emery paper and cloth	2	Vinegar and cider	2
Lead, bar, pipe, and sheet	2	Pencils, lead	1	Saws	5	Wall plaster	1
Lime	1	Pens, fountain and stylographic	2	Scales and balances	1	Washing machines and clothes wringers	1
Linen goods	1	Pens, steel	1	Shipbuilding, iron and steel	4	Waste	30
Liquors, distilled	3	Petroleum, refining	2	Shipbuilding, wooden, including boat building	8	Watchcases	2
Lithographing	16	Phonographs and graphophones	1	Show cases	5	Wheelbarrows	1
Locomotives, not made by railroad companies	1	Pipes, tobacco	2	Soda-water apparatus	6	Wire	1
Mats and matting	1	Plated ware	3	Sporting and athletic goods	6	Wood preserving	1
Needles, pins, and hooks and eyes	4	Pottery	2	Springs, steel, car and carriage	4		
Nets and seines	3	Printing and publishing, music	12	Type founding	3		
Oil, lard, not made in slaughtering and meat-packing establishments	1	Printing materials	6	Typewriter supplies	3		
		Pumps, steam and other power	2	Upholstering materials	10		

$6,505,292	$9,795,516	$45,068,232	$726,766	$1,566,865	$3,309,390	$139,444,826	$10,470,576	$246,694,018	$96,778,616	308,823	253,400	22,102	3	33,318	107,803	1
21,360	7,219	116,145	3,263	11,718	2,322	117,023	3,923	336,724	215,778	201	.....	.....	.....	201	.....	2
25,632	19,427	140,457	33,608	17,403	5,502	140,789	8,809	554,789	405,191	234	.....	65	.....	169	4	3
10,726	20,626	51,618	.....	10,105	175	174,039	849	322,704	147,816	26	.....	.....	.....	26	.....	4
13,340	9,381	81,739	13,690	12,797	41	61,819	1,213	263,020	199,988	63	1	2	.....	60	1	5
5,720	4,034	46,183	.....	2,700	204	66,984	848	146,072	78,240	69	.....	56	.....	13	5	6
17,070	9,652	75,999	.....	14,647	264	144,833	2,791	307,992	160,368	188	100	33	.....	55	40	7
70,206	93,979	319,549	25	6,322	12,670	2,459,916	43,402	3,175,811	672,493	1,640	1,075	340	.....	225	137	8
151,331	620,598	1,330,484	.....	102,863	60,480	4,862,247	144,794	9,363,270	4,356,229	2,722	1,563	457	.....	702	1,296	9
69,650	361,645	418,364	.....	39,400	28,057	1,671,773	38,971	3,506,636	1,795,892	859	859	.....	.....	.....	539	10
81,681	258,953	912,120	.....	63,463	32,423	3,190,474	105,823	5,856,634	2,560,337	1,863	704	457	.....	702	757	11
38,622	15,589	346,494	4,089	3,490	18,546	191,730	154,992	1,007,863	661,141	3,450	2,377	88	.....	985	88	12
17,610	10,363	111,514	.....	6,375	1,022	295,272	3,054	542,248	243,922	130	.....	18	.....	112	1	13
900	.....	3,632	.....	1,218	107	14,800	216	29,305	14,289	18	.....	18	.....	.....	.....	14
15,902	9,877	215,858	4,294	10,227	9,037	189,846	10,427	568,960	368,687	697	75	357	.....	265	48	15
14,030	5,703	179,943	4,216	7,616	8,097	148,704	9,050	453,882	296,128	550	.....	307	.....	243	36	16
1,872	4,174	35,915	78	2,611	940	41,142	1,377	115,078	72,559	147	75	50	.....	22	12	17
148,317	317,666	3,751,699	.....	.....	27,856	4,824,218	168,140	9,706,953	4,714,595	4,050	3,730	70	.....	250	4,656	18
13,122	26,926	45,581	.....	3,442	2,259	304,632	8,160	434,254	121,462	632	310	322	.....	.....	9	19
5,676	6,222	8,803	.....	2,193	126	38,189	774	79,323	40,360	53	50	.....	.....	3	.....	20
31,649	61,816	380,440	34,709	37,664	141	1,006,442	8,898	1,818,772	803,432	192	.....	6	.....	186	1	21
31,649	61,816	331,780	34,709	33,070	141	1,006,085	7,984	1,743,445	729,376	178	.....	6	.....	172	1	22
.....	.....	48,660	.....	4,594	.....	357	914	75,327	74,056	14	.....	.....	.....	14	.....	23

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

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PITTSBURGH—Continued.															
1	Clothing, women's	6	69	6	.....	3	1	59	(3) 59	(3) 59	59	17	42	.....	.....	$57,979
2	Coffee, roasting and grinding	6	102	6	16	27	20	33	(3) 33	(3) 33	33	22	11	.....	.....	379,772
3	Confectionery and ice cream	23	1,461	17	34	135	35	1,240	.....	.....	1,394	648	687	11	48	2,746,621
4	Confectionery	16	1,037	11	19	75	25	907	De 1,098	Jy 785	1,095	349	687	11	48	1,817,605
5	Ice cream	7	424	6	15	60	10	333	Jy 382	De 283	299	299	.....	.....	.....	929,016
6	Cooperage and wooden goods, not elsewhere specified.	8	154	11	8	5	1	129	Fe 137	Jy 118	126	111	.....	15	.....	407,250
7	Copper, tin, and sheet-iron work	57	589	64	35	24	13	453	Jy 494	Ja 407	436	432	3	1	.....	1,013,168
8	Druggists' preparations	6	70	1	11	2	8	48	Oc 4 52	De 44	44	25	16	1	2	249,498
9	Electrical machinery, apparatus, and supplies.	21	1,472	7	49	194	61	1,161	Se 1,245	Je 1,074	1,138	879	247	10	2	2,936,089
10	Electroplating	5	23	8	.....	1	.....	14	Ja 4 15	De 12	13	12	1	.....	.....	10,865
11	Food preparations, not elsewhere specified.	12	317	14	5	37	15	246	Ap 275	Jy 223	248	151	89	1	7	988,001
12	Foundry and machine-shop products.	122	6,771	65	312	505	122	5,767	.....	.....	5,203	5,104	71	27	1	21,571,618
13	Boiler shops and foundries	15	1,553	12	31	95	20	1,395	Ja 1,567	No 1,217	1,242	1,225	14	3	.....	2,460,934
14	Machine shops	107	5,218	53	281	410	102	4,372	Mh 4,579	De 3,918	3,961	3,879	57	24	1	19,110,684
15	Fur goods	9	62	10	1	2	4	45	Se 73	Ap 18	64	29	35	.....	.....	216,501
16	Furniture and refrigerators	16	588	17	24	63	16	468	Je 532	Ja 416	454	447	4	3	.....	1,458,867
17	Gas and electric fixtures and lamps and reflectors.	8	315	6	9	21	12	267	Oc 4 287	Ja 230	253	152	96	4	1	778,550
18	Gas and water meters and regulators.	3	582	.....	12	65	15	490	Ap 528	De 454	454	449	.....	5	.....	1,784,846
19	Glass	8	1,400	6	27	38	17	1,312	Fe 1,473	Au 859	1,352	1,101	93	148	10	2,317,129
20	Glass, cutting, staining, and ornamenting.	16	236	14	11	6	6	199	Je 227	Se 130	213	93	101	3	16	345,838
21	Hats and caps, other than felt, straw, and wool.	5	39	7	.....	.....	.....	32	No 38	Ja 25	35	26	8	.....	1	23,863
22	House-furnishing goods, not elsewhere specified.	4	22	2	5	1	1	13	Ja 17	Au 4 9	14	7	7	.....	.....	20,698
23	Ice, manufactured	9	532	3	26	40	6	457	Jy 643	De 280	529	522	7	.....	.....	7,313,443
24	Instruments, professional and scientific.	5	85	6	9	15	.....	55	De 65	Se 4 51	63	61	2	.....	.....	342,829
25	Iron and steel, blast furnaces	4	1,629	.....	64	156	30	1,379	Fe 1,647	De 996	1,150	1,145	3	2	.....	23,125,426
26	Iron and steel, steel works and rolling mills.	25	21,376	.....	381	1,399	182	19,414	Mh 21,418	No 16,864	18,823	18,429	291	69	34	111,479,452
27	Iron and steel, bolts, nuts, washers, and rivets.	6	1,039	3	25	63	13	935	Fe 1,000	De 824	839	731	81	22	5	2,463,950
28	Iron and steel forgings	5	118	2	13	6	2	95	De 111	Au 72	94	94	.....	.....	.....	377,033
29	Jewelry	11	133	16	3	9	4	101	My 107	Au 90	100	87	10	3	.....	286,010
30	Leather, tanned, curried, and finished.	3	163	1	7	8	3	144	My 157	Oc 134	143	143	.....	.....	.....	1,035,522
31	Liquors, malt	10	952	.....	25	85	2	840	Je 861	Ap 4 824	843	842	1	.....	.....	22,546,586
32	Looking-glass and picture frames	5	32	7	1	4	.....	20	No 22	Jy 4 19	20	18	2	.....	.....	31,476
33	Lubricating greases	3	129	1	9	21	5	93	Au 109	De 70	96	96	.....	.....	.....	647,302
34	Lumber, planing-mill products	30	472	28	34	46	9	355	Jy 368	Fe 337	356	353	1	2	.....	1,382,407
35	Marble and stone work, other than slate.	23	166	27	8	6	1	124	My 155	Ja 94	132	132	.....	.....	.....	208,618
36	Mattresses and spring beds	8	341	13	16	16	10	286	My 313	De 267	286	219	60	6	1	690,575
37	Millinery and lace goods	9	230	5	6	5	6	208	Ap 312	Au 118	243	14	229	.....	.....	288,945
38	Mineral and soda waters	21	159	18	16	14	7	104	Je 127	De 83	100	97	2	1	.....	337,010
39	Models and patterns, not including paper patterns.	10	88	8	8	2	.....	70	De 77	Se 59	78	78	.....	.....	.....	119,437
40	Oil, not elsewhere specified	4	38	1	5	8	2	22	No 4 24	Ja 4 21	24	24	.....	.....	.....	360,018
41	Optical goods	3	90	3	9	19	7	52	Fe 55	De 48	48	41	.....	7	.....	133,863
42	Paints	11	279	3	28	55	18	175	Je 198	De 143	161	144	17	.....	.....	1,409,283
43	Patent medicines and compounds	21	115	17	15	32	6	45	No 4 46	Ja 43	46	36	6	4	.....	444,726
44	Perfumery and cosmetics	6	30	4	7	7	4	8	Oc 4 9	Ja 4 7	9	4	5	.....	.....	22,171
45	Petroleum, refining	3	397	3	5	90	13	286	Je 301	De 4 273	270	264	2	4	.....	3,261,352
46	Photo-engraving	7	163	6	10	15	7	125	Fe 4 126	De 122	122	117	2	3	.....	136,671
47	Pickles, preserves, and sauces	11	3,815	9	85	1,374	242	2,105	Se 2,558	Ja 1,717	1,836	901	863	8	64	9,964,235
48	Plumbers' supplies, not elsewhere specified.	4	1,465	.....	49	109	30	1,277	Se 1,399	My 1,155	1,311	1,275	21	13	2	3,459,677
49	Printing and publishing, book and job	156	1,773	198	80	86	68	1,341	.....	.....	1,347	954	338	54	1	2,260,565
50	Job work only	148	1,720	190	75	81	59	1,315	Ap 1,332	Au 1,277	1,322	940	328	53	1	2,196,714
51	Book publishing and printing	8	53	8	5	5	9	26	De 4 31	Ja 18	25	14	10	1	.....	63,851
52	Printing and publishing, newspapers and periodicals.	98	2,364	66	160	674	189	1,275	.....	.....	1,282	1,180	85	16	1	6,753,651
53	Printing and publishing	15	1,467	4	67	494	106	796	My 813	Fe 782	809	796	10	3	.....	4,894,405
54	Printing, publishing, and job printing.	31	693	23	49	102	40	479	No 502	Au 457	473	384	75	13	1	1,486,062
55	Publishing without printing	52	204	39	44	78	43	.....	.....	.....	.....	.....	.....	.....	.....	373,184
56	Roofing materials, other than metal	3	48	1	4	5	1	37	Se 55	De 23	28	28	.....	.....	.....	255,528
57	Shipbuilding, including boat building	4	167	3	12	6	.....	146	Au 162	Ja 4 128	131	131	.....	.....	.....	340,850
58	Shirts	4	85	5	2	5	1	72	Mh 88	Se 35	71	6	65	.....	.....	94,864
59	Slaughtering and meat packing	12	1,295	4	39	185	25	1,042	No 1,073	Ap 1,014	1,071	1,063	8	.....	.....	4,541,588
60	Soap	4	323	6	6	61	112	138	Oc 4 146	Fe 129	141	63	76	2	.....	938,077
61	Springs, steel, car and carriage	6	367	1	18	45	1	302	Ja 323	De 269	269	269	.....	.....	.....	1,738,630

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
.....	$3,114	$29,100	.....	$5,004	.....	$57,740	$621	$120,800	$62,439	18	.....	.....	.....	18	.....	1
$18,695	42,432	18,250	.....	12,046	$1,792	863,076	3,661	1,118,226	251,489	178	20	65	.....	93	24	2
103,772	143,075	550,181	.....	52,068	23,627	2,609,894	45,836	4,139,368	1,483,638	1,747	650	715	.....	382	554	3
63,540	80,056	336,313	.....	34,078	12,087	1,969,883	21,458	2,859,305	867,964	802	390	240	.....	172	377	4
40,232	63,019	213,868	.....	17,990	11,540	640,011	24,378	1,280,063	615,674	945	260	475	.....	210	177	5
16,220	3,438	61,360	.....	1,140	3,101	294,755	2,599	420,395	123,041	114	25	18	.....	71	.....	6
65,583	28,647	347,344	$8,466	25,142	6,037	543,952	7,212	1,225,208	674,134	365	15	65	.....	285	.....	7
21,600	7,410	25,991	.....	4,633	1,580	139,247	2,012	291,788	150,529	40	.....	.....	.....	40	.....	8
121,444	286,577	674,299	5,000	62,345	10,121	2,177,798	34,500	3,969,683	1,757,385	1,402	220	195	.....	987	140	9
.....	780	8,526	.....	2,510	3	1,713	1,241	23,808	20,854	40	.....	2	.....	38	.....	10
11,036	51,476	123,712	2,030	4,066	5,334	920,067	11,443	1,228,378	296,868	421	131	171	.....	119	54	11
831,381	659,409	4,115,625	125,112	169,052	119,703	6,807,346	352,592	14,999,351	7,839,413	15,128	4,154	6,074	3	4,897	11,863	12
91,053	141,428	961,895	604	62,020	24,366	1,152,432	93,262	2,781,000	1,535,306	2,816	450	785	.....	1,581	1,558	13
740,328	517,981	3,153,730	124,508	107,032	95,337	5,654,914	259,330	12,218,351	6,304,107	12,312	3,704	5,289	3	3,316	10,305	14
2,160	4,946	34,255	.....	13,050	275	76,093	496	203,415	126,826	7	.....	.....	.....	7	.....	15
71,730	55,911	328,137	1,750	15,782	11,140	759,303	12,793	1,444,114	672,018	984	40	335	.....	609	.....	16
21,613	38,054	175,771	1,200	2,955	4,940	246,973	7,974	558,635	303,688	428	325	33	.....	70	5	17
53,500	113,634	339,453	.....	4,500	10,935	625,396	10,024	1,399,569	764,149	619	175	277	.....	167	45	18
61,920	44,066	891,007	11,172	9,704	9,180	326,487	145,566	1,816,445	1,344,392	1,258	245	495	.....	518	1	19
13,822	8,709	89,529	1,110	3,934	1,773	158,725	5,541	317,244	152,978	48	.....	20	.....	28	.....	20
.....	.....	18,751	.....	2,852	5	38,763	566	69,770	30,441	7	.....	.....	.....	7	.....	21
3,686	1,217	6,035	113	1,444	77	37,107	63	59,399	22,229	.....	.....	.....	.....	.....	.....	22
55,612	46,512	259,517	.....	3,300	25,202	79,207	127,879	951,542	744,456	5,075	5,010	.....	.....	65	15	23
14,425	13,930	42,306	156	3,696	1,904	41,181	791	170,755	128,783	34	.....	8	.....	26	.....	24
207,468	213,157	1,180,450	.....	.....	109,169	10,840,003	3,179,872	16,982,402	2,962,527	38,642	38,642	.....	.....	.....	4,667	25
1,228,606	1,780,442	13,282,104	16,449	102,139	424,487	37,177,533	3,025,527	61,007,875	20,804,815	170,508	163,738	1,211	.....	5,559	55,151	26
90,784	45,418	425,430	1,414	9,412	16,106	1,495,267	67,267	2,215,599	653,065	3,113	115	650	.....	2,348	185	27
16,947	5,832	76,279	.....	4,045	1,132	108,843	14,673	248,910	125,394	602	212	180	.....	210	.....	28
4,080	6,592	72,735	.....	10,245	22	107,052	343	261,136	153,741	37	.....	12	.....	25	15	29
20,120	13,968	89,801	.....	3,600	5,574	985,236	8,192	1,098,472	105,044	355	310	.....	.....	45	.....	30
105,281	154,720	710,266	.....	.....	928,459	1,646,296	121,087	5,200,263	3,432,880	6,292	6,292	.....	.....	.....	2,532	31
2,000	3,066	13,764	.....	5,590	27	28,434	139	59,477	30,904	.....	.....	.....	.....	.....	.....	32
34,856	29,868	46,019	.....	8,194	5,115	388,606	5,468	665,065	270,991	1,002	800	200	.....	2	884	33
54,435	44,755	309,527	8,265	26,098	9,187	923,357	15,843	1,542,866	603,666	1,978	455	429	.....	1,094	179	34
9,710	6,261	93,864	25,575	6,686	2,797	91,709	2,779	279,304	184,816	621	105	516	.....	.....	.....	35
33,252	26,094	160,503	.....	19,116	4,494	492,807	5,661	934,145	435,677	478	228	76	.....	174	320	36
10,700	4,642	128,817	.....	52,950	326	360,163	180	623,516	263,173	5	.....	.....	.....	5	.....	37
22,438	13,028	73,011	.....	5,150	2,694	108,891	6,511	342,336	226,934	149	3	34	.....	112	.....	38
12,584	1,196	55,707	900	3,804	1,207	26,528	1,189	122,553	94,836	156	.....	75	.....	81	.....	39
13,300	12,512	19,468	1,968	2,230	746	274,920	9,772	380,152	95,460	33	25	8	.....	.....	.....	40
18,883	23,022	26,481	.....	9,100	262	104,275	3,036	217,227	109,916	35	.....	.....	.....	35	.....	41
90,041	80,375	104,630	500	30,562	7,170	1,082,266	13,322	1,645,226	549,638	1,131	630	193	.....	308	300	42
52,200	31,608	26,740	.....	5,228	4,578	220,424	3,101	607,263	383,738	81	.....	30	.....	51	13	43
4,915	2,913	3,161	.....	3,846	67	13,552	52	30,076	16,472	2	.....	.....	.....	2	.....	44
21,590	108,210	197,407	.....	1,321	17,179	2,571,728	76,345	3,202,159	554,086	1,856	1,736	.....	.....	120	65	45
23,424	14,352	118,772	3,190	11,190	223	48,072	3,343	286,280	234,865	76	.....	.....	.....	76	.....	46
281,478	1,611,277	916,883	261	21,376	40,212	5,131,429	55,266	11,492,328	6,305,633	2,182	1,921	78	.....	183	1,880	47
107,499	98,189	878,239	.....	21,129	13,678	1,301,037	71,681	3,649,819	2,277,101	1,318	1,133	145	.....	40	1,501	48
153,368	110,569	860,818	68,447	119,576	10,597	950,535	30,073	3,016,074	2,035,466	1,361	51	226	.....	1,084	44	49
142,368	102,469	847,426	38,063	115,468	10,578	934,824	29,590	2,889,735	1,925,321	1,348	51	226	.....	1,071	44	50
11,000	8,100	13,392	30,384	4,108	19	15,711	483	126,339	110,145	13	.....	.....	.....	13	.....	51
371,290	863,418	1,141,279	262,916	117,989	36,278	1,981,261	47,115	6,992,078	4,963,702	3,419	910	969	.....	1,540	965	52
194,596	581,471	814,412	28,527	50,216	30,487	1,491,770	26,823	4,737,107	3,218,514	2,015	465	928	.....	622	954	53
102,584	189,802	326,867	16,475	48,271	5,528	436,462	20,060	1,645,666	1,189,144	1,398	445	41	.....	912	11	54
74,110	92,145	.....	217,914	19,502	263	53,029	232	609,305	556,044	6	.....	.....	.....	6	.....	55
8,355	9,129	19,778	.....	2,850	2,728	402,680	13,531	538,802	122,591	400	260	65	.....	75	17	56
50,360	4,680	107,186	.....	525	5,927	112,785	3,845	302,547	185,917	210	205	.....	.....	5	.....	57
3,624	5,726	33,747	.....	4,560	.....	59,633	504	151,606	91,469	44	.....	40	.....	4	5	58
113,431	227,755	737,897	.....	37,500	28,580	16,103,654	71,080	17,946,949	1,772,215	3,168	2,570	195	.....	403	1,334	59
8,231	45,569	54,490	.....	1,000	6,114	286,513	10,480	590,149	293,156	438	438	.....	.....	.....	75	60
71,418	72,083	182,710	.....	7,680	15,342	783,492	41,245	1,328,943	504,206	675	458	110	.....	107	65	61

[3] Same number reported throughout the year.

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

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PITTSBURGH—Continued.															
1	Steam fittings and steam and hot-water heating apparatus.	9	992	3	41	168	29	751	Fe 918	My 668	682	650	.....	32	.....	$3,112,599
2	Stereotyping and electrotyping	3	50	.....	5	3	2	40	My [3] 41	Jy 38	40	36	.....	4	.....	128,940
3	Stoves and furnaces, including gas and oil stoves.	13	316	9	13	34	10	250	Oc 284	Je 233	276	264	11	1	.....	1,124,065
4	Structural ironwork	19	1,291	15	35	144	11	1,086	Je 1,244	De 853	977	973	3	1	.....	2,628,710
5	Surgical appliances and artificial limbs.	6	70	6	7	6	3	48	My [3] 49	No [3] 47	48	46	2	.....	.....	46,967
6	Tinware, not elsewhere specified	8	263	5	7	12	4	235	Au 276	My 196	215	99	112	3	1	400,813
7	Tobacco, smoking, and snuff	4	10	4	.....	.....	.....	6	([4]) 6	([4]) 6	6	4	2	.....	.....	3,764
8	Tobacco, cigars	182	3,281	186	43	44	36	2,972	Mh 3,118	De 2,824	2,922	531	2,187	16	188	2,221,120
9	Tools, not elsewhere specified	11	252	15	10	15	5	207	Fe [3] 214	Je 198	217	215	1	1	.....	501,010
10	Trunks and valises	8	147	8	6	6	5	122	Fe 130	De 109	116	99	17	.....	.....	130,524
11	Varnishes	3	35	2	5	5	2	21	Je [3] 25	Ja [3] 19	19	17	2	.....	.....	157,089
12	Vinegar and cider	3	28	1	2	10	3	12	([4]) 12	([4]) 12	12	11	.....	1	.....	52,370
13	Wirework	5	20	4	1	.....	.....	15	Je 19	De [3] 14	14	14	.....	.....	.....	30,839
14	Wool pulling	3	92	2	7	5	.....	78	Mh 92	No 51	91	91	.....	.....	.....	582,178
15	All other industries*	143	8,636	96	262	537	150	7,591	.....	.....	7,055	5,541	1,313	118	83	30,337,889

*All other industries embrace—

Artificial flowers	1
Artificial stone products	2
Automobiles	1
Babbitt metal and solder	2
Baking powders	2
Baskets, and rattan and willow ware	3
Belting, leather	1
Billiard tables and materials	2
Blacking, stains, and dressings	2
Bluing	1
Boot and shoe cut stock	1
Boxes, wooden packing, except cigar boxes	2
Butter	2
Carriage and wagon materials	1
Cars and general shop construction and repairs by electric-railroad companies	1
Cars, steam-railroad, not including operations of railroad companies	1
China decorating, not including that done in potteries	1
Chocolate and cocoa products, not including confectionery	1
Cloth, sponging and refinishing	1
Coffins, burial cases, and undertakers' goods	3
Coke, not including gas-house coke	2
Cordials and flavoring sirups	1
Cork, cutting	2
Corsets	1
Crucibles	1
Dental goods	1
Engraving and diesinking	3
Engraving, steel and copper plate, including plate printing	7
Fireworks	1
Flavoring extracts	4
Foundry supplies	1
Galvanizing	3
Gas, illuminating and heating	2
Gloves and mittens, leather	2
Gold and silver, reducing and refining, not from the ore	1
Grease and tallow, not including lubricating greases	2
Hair work	2

1	**READING**—All industries	486	26,572	520	547	1,105	269	24,131	Ap 25,469	Oc 22,729	24,360	16,919	6,393	497	551	$45,334,320
2	Automobiles, including bodies and parts.	7	457	4	11	39	3	400	Je 494	Se 282	367	367	.....	.....	.....	470,553
3	Bookbinding and blank-book making	3	39	2	3	1	3	30	De [3] 34	Se 26	32	19	12	1	.....	31,597
4	Boots and shoes	4	1,111	4	26	3	26	1,052	Ja 1,146	De 922	1,043	533	350	92	68	642,040
5	Boxes, cigar	3	85	4	1	1	.....	79	Oc 84	Jy 72	83	30	50	1	2	29,579
6	Boxes and cartons, paper	6	168	8	7	1	3	149	Fe 167	Oc 127	150	57	78	6	9	239,437
7	Brass, bronze, and copper products	7	121	6	9	11	2	93	De 128	Jy 80	125	122	2	1	.....	156,702
8	Bread and other bakery products	48	508	53	7	23	11	414	Se 424	Ja 402	423	366	34	19	4	645,704
9	Brick and tile and fire brick	3	98	2	6	.....	.....	90	Se [3] 94	Fe 87	90	90	.....	.....	.....	298,525
10	Brooms and brushes	7	48	9	2	3	1	33	Fe [3] 35	De 31	36	32	2	2	.....	45,935
11	Carpets, rag	4	16	4	.....	.....	1	11	My 12	Mh 10	12	11	1	.....	.....	10,466
12	Carriages and wagons and materials	8	248	11	5	8	3	221	Fe 267	No 192	195	191	1	3	.....	288,045
13	Cars and general shop construction and repairs by steam-railroad companies.	7	3,075	.....	8	107	.....	2,960	Ja 2,978	Au 2,937	2,975	2,975	.....	.....	.....	2,675,267
14	Clothing, men's	3	367	6	2	14	3	342	Ja 367	Au 314	339	97	242	.....	.....	250,135
15	Coffee, roasting and grinding	4	10	3	2	1	.....	4	([4]) 4	([4]) 4	4	4	.....	.....	.....	20,094
16	Confectionery	7	668	10	25	48	24	561	Fe 745	Jy 418	570	223	288	7	52	977,691
17	Copper, tin, and sheet-iron work	5	28	4	1	1	.....	22	De 27	Jy 19	25	25	.....	.....	.....	43,054
18	Cutlery and edge tools	3	56	1	5	1	2	47	Fe [3] 51	Jy 44	46	43	3	.....	.....	101,642
19	Dyeing and finishing textiles	4	141	5	6	7	2	121	My 135	Oc 97	122	97	14	11	.....	213,090
20	Foundry and machine-shop products.	22	899	17	35	51	11	785	.....	.....	814	813	1	.....	.....	2,287,677
21	Boiler shops and foundries	4	383	3	13	18	5	344	Fe 372	Jy 319	347	347	.....	.....	.....	1,413,116
22	Machine shops	18	516	14	22	33	6	441	Jy 468	Ja 424	467	466	1	.....	.....	874,561
23	Gas and electric fixtures	5	62	8	3	4	.....	47	No [3] 49	Ja [3] 45	47	45	2	.....	.....	172,281
24	Hardware	7	1,905	2	28	72	26	1,777	Ap 1,833	My 1,727	1,824	1,572	125	101	26	4,073,278
25	Hats, fur-felt	5	477	8	6	9	1	453	Se 480	My 427	434	297	109	23	5	671,216
26	Hosiery and knit goods	38	4,448	30	67	58	35	4,258	Mh 4,731	Au 3,495	4,401	920	3,147	76	258	5,078,961
27	Iron and steel, steel works and rolling mills.	6	2,905	.....	37	150	15	2,703	My 3,011	Oc 1,960	2,608	2,587	.....	21	.....	6,546,274
28	Lumber, planing-mill products	6	301	5	13	14	2	267	Se 290	De 233	240	237	1	2	.....	529,225
29	Marble and stone work	9	107	14	5	4	.....	84	Se [3] 89	Fe [3] 76	85	84	.....	1	.....	124,864
30	Mineral and soda waters	9	33	10	.....	.....	.....	23	Au 27	Ja 20	23	23	.....	.....	.....	91,052
31	Models and patterns, not including paper patterns.	8	54	8	7	4	1	34	Je 36	Se 32	33	33	.....	.....	.....	41,956
32	Motorcycles, bicycles, and parts	4	176	6	4	15	7	144	Ap 238	Au 68	112	112	.....	.....	.....	317,667
33	Optical goods	4	448	2	9	15	7	415	De [3] 433	Ja 386	434	147	193	40	54	489,190

[1] Owned power only.

[2] Includes rented power, other than electric.

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

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

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
$142,789	$203,595	$526,371	$30,000	$42,865	$11,268	$1,689,173	$29,266	$3,426,759	$1,708,320	1,062	330	330	.....	402	885	1
10,846	3,728	30,780	880	4,235	112	27,879	2,320	101,527	71,328	134	10	.....	.....	124	.....	2
22,142	32,572	162,316	720	9,785	8,392	139,803	7,164	454,064	307,097	276	150	111	.....	15	87	3
65,960	186,207	697,648	12,206	19,816	15,982	1,363,549	32,638	2,871,164	1,474,977	2,596	488	1,283	.....	825	1,071	4
10,788	7,107	44,661	500	10,540	300	25,555	471	124,921	98,895	38	.....	3	.....	35	.....	5
9,590	12,653	103,344	.....	5,637	1,056	545,662	1,365	739,931	192,904	326	.....	104	.....	222	.....	6
.....	.....	2,213	.....	589	3,193	5,941	34	18,059	12,084	6	.....	.....	.....	6	.....	7
67,167	68,938	1,011,321	1,535	24,649	852,528	1,392,489	11,979	3,839,163	2,434,695	257	.....	28	.....	229	2	8
21,050	21,816	120,766	.....	7,882	3,555	146,478	13,225	434,287	274,584	465	10	245	.....	210	175	9
14,180	8,812	65,076	.....	14,460	44	138,900	809	275,790	136,081	52	.....	35	.....	17	.....	10
22,450	5,130	10,403	.....	.....	957	130,963	1,610	227,237	94,664	42	.....	.....	.....	42	.....	11
3,200	13,059	9,964	.....	860	477	101,043	470	156,278	54,765	8	.....	.....	.....	8	.....	12
600	.....	10,659	.....	1,600	75	13,031	208	33,142	19,903	22	.....	10	.....	12	.....	13
13,896	7,248	51,017	.....	1,000	1,743	664,500	5,830	782,614	112,284	317	210	.....	.....	107	.....	14
778,584	767,513	4,908,386	41,253	125,869	331,750	15,153,277	2,119,965	26,061,442	8,788,200	20,577	10,674	4,206	.....	5,697	16,399	15

Hand stamps..... 2
Hardware..... 2
Ink, writing..... 2
Iron and steel, doors and shutters..... 1
Iron and steel, wrought pipe..... 2
Jute goods..... 1
Labels and tags..... 1
Lapidary work..... 1
Lead, bar, pipe, and sheet..... 2
Leather goods, not elsewhere specified..... 1
Liquors, distilled..... 1
Lithographing..... 3
Locomotives, not made by railroad companies..... 2
Minerals and earths, ground..... 1
Mirrors, framed and unframed, not elsewhere specified..... 2
Paving materials..... 1
Peanuts, grading, roasting, cleaning, and shelling..... 1
Plated ware..... 1
Printing materials..... 2
Pumps, steam..... 1
Regalia and society badges and emblems..... 2
Rubber goods..... 1
Saddlery and harness..... 4
Sausage, not made in slaughtering and meat-packing establishments..... 1
Saws..... 2
Signs and advertising novelties..... 6
Smelting and refining, not from the ore..... 3
Stamped ware, not elsewhere specified..... 3
Statuary and art goods..... 3
Steam packing..... 3
Stencils and brands..... 2
Suspenders, garters, and elastic woven goods..... 2
Tin plate and terneplate..... 1
Toys and games..... 2
Umbrellas and canes..... 1
Wall plaster..... 2
Washing machines and clothes wringers..... 1
Watch and clock materials..... 1
Wheelbarrows..... 1
Window and door screens and weather strips..... 1
Window shades and fixtures..... 2
Wood, turned and carved..... 2

$1,094,451	$1,113,729	$11,884,541	$133,987	$226,606	$756,020	$29,652,517	$1,733,619	$53,231,926	$21,845,790	46,702	40,378	876	26	5,422	16,097	1
24,233	35,002	222,553	225	29,625	4,972	453,094	17,679	1,030,983	560,210	363	110	12	.....	241	.....	2
3,378	1,730	18,201	1,800	1,455	.....	12,843	741	56,327	42,743	17	.....	.....	.....	17	.....	3
42,589	12,967	370,783	.....	2,590	3,144	948,875	7,418	1,640,021	683,728	315	.....	.....	.....	315	.....	4
936	600	32,315	.....	1,885	18	47,346	1,230	90,751	42,175	30	10	.....	.....	20	.....	5
7,677	2,142	55,260	.....	1,440	801	88,014	2,400	172,435	82,021	133	107	.....	.....	26	2	6
12,097	5,044	56,136	200	1,830	445	151,881	4,550	239,403	82,972	73	35	.....	.....	38	4	7
8,494	15,014	213,304	675	6,129	3,721	615,262	26,851	1,109,398	467,285	410	173	.....	.....	237	56	8
9,179	.....	49,065	.....	.....	1,419	30,899	21,828	160,938	108,211	410	410	.....	.....	.....	.....	9
2,680	2,740	17,593	.....	659	196	60,553	870	98,218	36,795	20	.....	3	.....	17	.....	10
.....	480	4,141	.....	192	82	2,622	429	11,055	8,004	12	.....	.....	.....	12	.....	11
7,358	5,336	125,848	228	5,249	717	170,965	6,622	375,816	198,229	146	85	.....	.....	61	5	12
12,176	111,731	2,049,510	.....	.....	.....	3,817,175	107,447	6,098,040	2,173,418	4,422	4,422	.....	.....	.....	6,205	13
4,400	10,016	95,705	.....	5,400	230	177,791	2,535	414,446	234,120	65	20	.....	.....	45	1	14
1,040	937	1,870	.....	399	49	50,822	786	63,463	11,855	21	10	.....	.....	11	.....	15
36,409	59,974	182,091	31,523	1,920	2,174	840,597	16,432	1,568,582	711,553	827	340	.....	.....	487	85	16
575	520	15,409	.....	360	184	21,900	158	48,549	26,491	9	.....	7	.....	2	.....	17
4,764	622	30,900	.....	264	283	21,872	2,886	83,960	59,202	94	50	.....	.....	44	10	18
12,584	6,894	54,313	.....	780	1,024	101,736	11,848	201,737	88,153	665	649	8	.....	8	10	19
80,785	63,616	429,486	280	5,735	5,735	673,828	49,177	1,553,093	830,088	2,009	1,181	376	.....	452	1,880	20
47,891	19,190	183,761	.....	4,375	2,094	400,914	24,203	815,806	390,689	660	275	.....	.....	385	.....	21
32,894	44,426	245,725	280	1,360	3,641	272,914	24,974	737,287	439,399	1,349	906	376	.....	67	1,880	22
3,140	3,204	29,541	.....	1,692	1,071	43,235	1,687	99,879	54,957	49	8	.....	.....	41	.....	23
75,822	62,388	706,223	.....	2,830	10,430	697,124	54,383	2,218,133	1,466,626	1,510	1,199	240	.....	71	618	24
8,824	11,686	163,704	.....	342	1,659	305,724	12,951	624,718	306,043	438	438	.....	.....	.....	80	25
148,581	78,648	1,629,821	38,205	12,509	19,076	3,549,209	43,384	6,500,704	2,908,111	2,524	2,276	15	.....	233	754	26
116,038	162,124	1,621,370	.....	.....	27,601	3,419,384	391,696	6,279,306	2,468,226	13,892	12,677	.....	.....	1,215	781	27
20,228	9,622	135,070	.....	263	2,001	365,210	10,171	614,354	238,973	834	643	.....	.....	191	2	28
5,020	4,974	54,549	.....	1,126	339	45,454	2,462	132,251	84,335	164	99	60	.....	5	.....	29
.....	.....	15,711	.....	612	2,530	33,689	1,040	65,345	30,616	40	20	.....	.....	20	.....	30
4,970	2,760	19,762	.....	1,313	42	24,261	1,542	63,781	37,978	54	.....	.....	.....	54	.....	31
6,940	13,165	103,312	.....	840	631	165,366	5,280	327,123	156,477	106	65	.....	.....	41	.....	32
21,364	15,078	139,372	.....	180	1,637	272,565	3,745	584,123	307,813	169	85	12	.....	72	3	33

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

[4] Same number reported throughout the year.

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	READING—Continued.															
1	Patent medicines and compounds, and druggists' preparations.	11	21	13	1	1	1	5	(3) 5	(3) 5	6	6	.....	.....	.....	$77,118
2	Photo-engraving	3	17	5	.....	.....	.....	12	(3) 12	(3) 12	12	11	.....	1	.....	7,496
3	Printing and publishing, book and job.	24	159	37	7	23	.....	92	Oc 4 99	Se 4 87	99	88	8	3	.....	211,547
4	Printing and publishing, newspapers and periodicals.	10	342	10	9	95	26	202	.....	.....	188	175	7	6	.....	240,809
5	Printing, publishing, and job printing.	6	233	6	3	62	18	144	Ap 4 166	No 4 125	127	120	5	2	.....	124,740
6	Printing and publishing and publishing without printing.	4	109	4	6	33	8	58	Ap 4 59	Ja 4 57	61	55	2	4	.....	116,069
7	Saddlery and harness	5	15	6	.....	.....	.....	9	(3) 9	(3) 9	9	9	.....	.....	.....	15,675
8	Shirts	7	269	22	7	4	2	244	Ap 4 244	Oc 4 221	265	29	235	.....	1	180,570
9	Signs and advertising novelties	5	34	5	5	.....	1	23	Ja 4 25	Jy 4 21	23	18	5	.....	.....	36,054
10	Silk goods, including throwsters	5	300	6	6	8	7	273	De 320	Fe 219	324	115	148	24	37	178,334
11	Structural ironwork, not made in steel works or rolling mills.	4	96	4	3	3	1	85	Ja 111	Ap 73	84	84	.....	.....	.....	131,330
12	Tobacco, chewing and smoking	5	53	8	1	4	.....	40	Fe 4 43	Je 4 38	40	9	31	.....	.....	51,329
13	Tobacco, cigars	73	1,909	86	16	63	10	1,734	De 1,793	Ap 1,665	1,795	907	874	3	11	1,558,411
14	Woolen goods and wool hats	5	563	10	6	12	1	534	My 683	De 426	458	248	166	30	14	784,084
15	All other industries*	73	3,735	62	146	227	31	3,269	.....	.....	3,365	3,068	264	23	10	14,298,366

* All other industries embrace—

Automobile repairing 1
Bags, paper, not including bags made in paper mills 1
Baskets, and rattan and willow ware. 1
Butter 1
Cars and general shop construction and repairs by electric-railroad companies 1
Clothing, women's 2
Confectionery (ice cream) 2
Cooperage 1
Cordage and twine 2
Cordials and flavoring sirups 1
Cotton goods 2
Electroplating 1
Flags and banners 1
Flour-mill and gristmill products 2
Food preparations, not elsewhere specified 2
Furniture 2
Gas, illuminating and heating 2
Glass, cutting, staining, and ornamenting 1
Hand stamps 1
Hats and caps, other than felt, straw, and wool 1
Ice, manufactured 2
Iron and steel, blast furnaces 1
Iron and steel forgings, not made in steel works or rolling mills 2
Iron and steel, cast-iron pipe 1
Iron and steel, wrought pipe 1
Jewelry 3

1	**SCRANTON**—All industries	308	14,090	251	431	601	248	12,559	Ap 12,934	No 11,964	12,455	7,036	4,647	282	490	$25,151,781
2	Awnings, tents, and sails	3	19	3	2	1	.....	13	My 4 17	Ja 4 10	16	8	8	.....	.....	22,855
3	Bread and other bakery products	37	472	34	10	15	20	393	Ap 399	Se 388	378	316	59	2	1	541,360
4	Carriages and wagons and materials	12	235	16	13	3	4	199	Fe 228	De 167	204	201	.....	3	.....	555,994
5	Cars and general shop construction and repairs by steam-railroad companies.	4	1,727	.....	44	81	.....	1,602	De 1,641	My 1,573	1,637	1,637	.....	.....	.....	1,696,812
6	Clothing, women's	6	476	3	11	32	10	420	Oc 464	De 385	390	41	325	1	23	472,778
7	Confectionery and ice cream	6	78	3	7	5	6	57	No 68	Fe 37	70	47	23	.....	.....	130,480
8	Copper, tin, and sheet-iron work	7	74	8	3	6	2	55	Jy 57	Ap 4 54	57	57	.....	.....	.....	99,740
9	Flour-mill and gristmill products	5	96	3	9	14	7	63	Ja 4 64	No 4 62	62	62	.....	.....	.....	697,603
10	Food preparations, not elsewhere specified.	5	29	6	.....	.....	2	21	Se 4 22	No 4 20	22	12	9	1	.....	21,376
11	Foundry and machine-shop products	12	488	8	30	44	6	400	Mh 428	De 389	399	398	1	.....	.....	2,162,256
12	Liquors, malt	4	392	.....	21	46	4	321	Ja 334	No 310	322	321	1	.....	.....	2,855,635
13	Looking-glass and picture frames	3	12	3	.....	.....	2	7	(3) 7	(3) 7	7	5	1	1	.....	25,965
14	Lumber, planing-mill products	9	314	4	20	32	3	255	Oc 287	Fe 229	246	243	1	2	.....	883,492
15	Marble and stone work	9	78	11	4	3	1	59	Au 69	Je 4 52	61	61	.....	.....	.....	109,534
16	Mineral and soda waters	9	50	16	3	1	2	23	Au 32	Oc 4 26	29	29	.....	.....	.....	78,581
17	Patent medicines and compounds	5	15	4	2	2	1	6	Mh 4 7	Jy 4 5	6	6	.....	.....	.....	23,032
18	Printing and publishing, book and job	27	315	24	22	15	10	244	Je 252	No 237	244	152	84	8	.....	491,823
19	Printing and publishing, newspapers and periodicals.	17	710	7	53	83	39	528	.....	.....	551	434	112	5	.....	1,746,306
20	Printing, publishing, and job printing.	10	688	4	45	75	36	528	My 568	Se 505	551	434	112	5	.....	1,706,065
21	Publishing without printing	7	22	3	8	8	3	.....	.....	.....	.....	.....	.....	.....	.....	40,241
22	Silk goods, including throwsters	19	3,422	1	29	35	27	3,330	My 3,604	No 2,767	3,183	415	2,267	134	367	3,166,786
23	Tobacco manufactures	24	429	26	10	10	4	379	Se 393	Ja 358	381	52	310	.....	19	590,491
24	All other industries*	85	4,659	71	138	173	93	4,179	.....	.....	4,190	2,539	1,446	125	80	8,778,882

* All other industries embrace—

Artificial limbs 2
Artists' materials 1
Automobile bodies and parts 2
Automobiles 1
Bookbinding and blank-book making. 4
Boots and shoes 1
Boxes and cartons, paper 1
Brass and bronze products 2
Brooms 1
Buttons 1
Carpets, rag 2
Cars and general shop construction and repairs by electric-railroad companies 2
Cheese 1
Clothing, men's 2
Coffins, burial cases, and undertakers' goods 2
Cotton lace 1
Dental goods 2
Electric machinery, apparatus, and supplies 1
Electroplating 2
Emery and other abrasive wheels 1
Engraving and diesinking 1
Flavoring extracts 1
Fur goods 1
Furnishing goods, men's 1
Furniture 1
Gas, illuminating and heating 1
Glass, cutting, staining, and ornamenting 2
Hair work 3
Hats and caps, other than felt, straw, and wool 1
Horseshoes 2
Hosiery and knit goods 2

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$1,300	$2,680	$2,638	.....	$788	$245	$31,763	$305	$56,591	$24,523	1	.....	.....	.....	1	.....	1
.....	.....	7,504	$398	690	10	1,435	472	14,838	12,931	9	.....	.....	.....	9	.....	2
10,760	8,447	55,640	4,984	5,413	453	62,893	3,223	215,276	149,100	122	.....	.....	.....	122	6	3
20,156	81,816	150,541	2,721	15,084	1,439	110,558	9,654	618,538	498,326	344	.....	.....	.....	344	.....	4
8,700	59,053	112,143	.....	10,544	1,192	72,345	6,396	451,698	372,957	266	.....	.....	.....	266	.....	5
11,456	22,763	38,398	2,721	4,540	247	38,213	3,258	166,840	125,369	78	.....	.....	.....	78	.....	6
.....	.....	6,004	.....	1,244	63	12,295	196	26,042	13,551	3	.....	.....	.....	3	.....	7
7,960	6,490	78,111	13,668	3,678	442	147,254	2,219	283,100	133,627	44	.....	.....	.....	44	.....	8
8,388	520	12,069	.....	2,124	1,559	43,540	376	76,138	32,222	4	.....	.....	.....	4	.....	9
7,478	9,107	94,137	33,011	10,547	29	299,852	5,078	530,874	225,944	244	120	95	.....	29	.....	10
10,920	2,392	64,832	.....	780	419	88,325	2,245	195,232	104,662	153	125	14	.....	14	.....	11
1,200	2,250	15,200	1,200	156	31,201	60,124	1,135	126,322	65,063	27	.....	.....	.....	27	.....	12
28,383	63,413	770,522	133	12,820	261,987	1,550,418	4,489	2,874,054	1,319,147.	66	25	.....	.....	41	.....	13
16,505	11,624	208,294	.....	4,200	4,075	306,677	12,082	911,239	592,480	734	700	.....	.....	34	25	14
299,120	225,976	1,776,131	4,736	81,463	361,887	9,728,087	881,917	14,776,750	4,166,746	15,130	14,296	34	26	774	5,570	15

Leather, tanned, curried, and finished. 1
Liquors, malt 4
Mattresses and spring beds 1
Needles, pins, and hooks and eyes 1
Paints 3
Paper and wood pulp 2
Paper goods, not elsewhere specified 1
Plumbers' supplies, not elsewhere specified 1
Regalia and society badges and emblems 2
Scales and balances 1
Shipbuilding, wooden, including boat building 1
Slaughtering and meat packing 2
Soap 1
Statuary and art goods 1
Steam fittings and steam and hot-water heating apparatus 1
Stencils and brands 1
Stoves and hot-air furnaces, except gas and oil stoves 1
Stoves, gas and oil 1
Trunks and valises 1
Umbrellas and canes 2
Wall paper, not made in paper mills 1
Washing machines and clothes wringers 3
Wood, turned and carved 1
Wooden goods, not elsewhere specified 1

$962,904	$698,745	$6,039,510	$268,571	$120,122	$589,920	$15,266,098	$533,308	$28,721,829	$12,922,423	24,994	14,192	186	.....	10,616	4,401	1
2,400	480	7,012	.....	1,440	.....	19,644	45	36,500	16,811	3	.....	.....	.....	3	.....	2
15,072	19,058	242,617	.....	10,252	3,095	634,290	21,299	1,129,445	473,856	294	.....	.....	.....	294	.....	3
16,640	3,264	106,222	75	2,364	2,174	122,033	17,301	315,422	176,088	319	195	10	.....	114	35	4
53,153	66,572	941,873	.....	.....	.....	2,423,686	17,876	3,499,157	1,057,595	5,526	1,500	.....	.....	4,026	1,438	5
31,794	27,847	121,729	5,942	4,820	1,107	429,449	3,059	696,675	264,167	54	.....	.....	.....	54	.....	6
9,910	10,521	43,104	.....	6,710	132	140,261	5,205	270,113	124,647	238	.....	.....	.....	238	.....	7
3,300	4,276	41,729	241	3,530	20	40,791	868	111,849	70,190	17	.....	.....	.....	17	.....	8
23,305	15,373	34,842	.....	1,210	3,305	610,874	3,542	754,393	139,977	330	30	.....	.....	300	.....	9
.....	600	10,682	.....	1,344	7	10,271	1,635	30,212	18,306	40	.....	20	.....	20	.....	10
64,787	67,596	235,152	3,050	774	7,984	351,582	26,293	954,056	576,181	1,187	645	14	.....	528	280	11
114,405	73,370	271,206	.....	.....	396,037	603,850	34,146	2,458,371	1,820,375	1,322	1,310	.....	.....	12	353	12
.....	1,140	4,615	.....	2,460	.....	28,368	36	53,007	24,603	4	.....	.....	.....	4	.....	13
28,515	28,349	156,450	800	1,746	4,030	365,514	9,378	731,889	356,997	755	250	.....	.....	505	282	14
6,744	1,594	41,171	682	1,150	249	55,342	1,828	131,900	74,730	184	.....	16	.....	168	.....	15
2,440	1,600	19,374	.....	1,412	1,293	18,185	748	82,334	63,401	37	.....	20	.....	17	.....	16
3,840	2,573	3,607	120	996	16	24,897	12	47,960	23,051	.....	.....	.....	.....	.....	.....	17
32,502	12,558	212,240	1,713	10,139	498	135,373	3,561	555,183	416,249	136	.....	.....	.....	136	.....	18
148,491	85,331	436,727	21,765	28,576	3,503	512,658	11,573	1,445,971	921,740	603	.....	.....	.....	603	.....	19
142,306	79,355	436,727	5,798	26,284	3,503	504,894	11,573	1,366,960	850,493	603	.....	.....	.....	603	.....	20
6,185	5,976	.....	15,967	2,292	.....	7,764	.....	79,011	71,247	.....	.....	.....	.....	.....	.....	21
65,700	45,624	975,958	174,012	10,898	18,828	4,056,052	82,233	5,754,859	1,616,574	5,133	3,995	.....	.....	1,138	1,522	22
17,761	11,023	126,566	.....	2,697	115,525	345,714	3,730	735,306	385,862	178	100	.....	.....	78	.....	23
322,145	219,996	2,006,634	60,171	27,604	32,117	4,337,264	288,940	8,927,227	4,301,023	8,634	6,167	106	.....	2,361	491	24

Iron and steel, steel works and rolling mills 1
Iron and steel forgings 1
Jewelry 1
Lamps and reflectors 2
Lime 1
Lithographing 1
Lubricating greases 1
Mattresses and spring beds 2
Millinery and lace goods 1
Mirrors 1
Musical instruments, pianos 2
Perfumery and cosmetics 1
Saddlery and harness 2
Sand-lime brick 1
Scales and balances 1
Shirts 1
Slaughtering and meat packing 2
Soap 1
Statuary and art goods 2
Steam fittings and steam and hot-water heating apparatus 1
Steam packing 1
Stereotyping and electrotyping 1
Stoves and hot-air furnaces 1
Structural ironwork, not made in steel works or rolling mills 3
Umbrellas and canes 1
Vinegar 1
Wall plaster 1
Wirework 1
Wood, turned and carved 1

[3] Same number reported throughout the year.

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

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	Industry and city.	Number of establishments.	Persons engaged in the industry.									Wage earners Dec. 15, or nearest representative day.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of— Maximum month.	Number, 15th day of— Minimum month.			Male.	Female.	Male.	Female.	
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
1	**WILKES-BARRE**—All industries.	188	9,019	188	166	475	83	8,107	Ja 8,453	No 7,653		7,800	4,871	2,415	179	335	$19,013,528
2	Bread and other bakery products	22	308	23	6	44	7	228	De 241	Fe 219		235	178	44	9	4	371,780
3	Carriages and wagons	6	34	7	.....	.....	1	26	Fe [3] 27	Oc [3] 24		27	26	1	.....	.....	39,620
4	Confectionery (ice cream)	6	79	6	3	.....	2	68	Au 75	Mh 64		65	26	38	1	.....	126,697
5	Copper, tin, and sheet-iron work	7	41	5	1	.....	.....	35	([4]) 35	([4]) 35		35	35	.....	.....	.....	33,446
6	Flour-mill and gristmill products	3	31	2	3	1	.....	25	([4]) 25	([4]) 25		24	24	.....	.....	.....	307,626
7	Foundry and machine-shop products	9	153	8	14	5	.....	126	Ap 137	De 118		118	118	.....	.....	.....	393,193
8	Jewelry	3	10	5	.....	.....	.....	5	([4]) 5	([4]) 5		5	5	.....	.....	.....	7,800
9	Lumber, planing-mill products, not including planing mills connected with sawmills.	7	116	9	6	8	3	90	Au 107	Fe 75		96	95	1	.....	.....	267,350
10	Marble and stone work	6	39	10	2	1	.....	26	Je 33	Ja 14		25	25	.....	.....	.....	71,757
11	Printing and publishing, book and job.	18	254	22	7	9	8	208	De 219	My [3] 201		222	160	45	15	2	333,934
12	Printing and publishing, newspapers and periodicals.	15	283		22	24	12	212	Je 223	Fe 205		215	200	4	11	.....	446,194
13	Silk goods, including throwsters	5	1,643	6	9	24	10	1,594	Jy 1,679	De 1,425		1,425	188	1,013	50	174	1,341,915
14	Structural ironwork	3	16	3	1	1	.....	11	Jy 14	De [3] 10		14	14	.....	.....	.....	10,217
15	Tobacco, cigars	7	18	9	.....	.....	.....	9	([4]) 9	([4]) 9		9	9	.....	.....	.....	15,895
16	All other industries *	71	5,994	60	92	358	40	5,444	.....	.....		5,285	3,768	1,269	93	155	15,246,104

* All other industries embrace—
Artificial limbs 2
Awnings, tents, and sails 1
Boots and shoes, not including rubber boots and shoes 1
Brass and bronze products 1
Brick and tile 2
Butter 1
Carpets, rag 1
Carriage and wagon materials 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 3
Clothing, men's 2
Clothing, women's 1
Coffee, roasting and grinding 1
Confectionery 3
Cotton lace 2
Cutlery and edge tools 2
Dental goods 1
Electrical machinery, apparatus, and supplies 1
Flavoring extracts 1
Food preparations, not elsewhere specified 1
Furniture 1
Gas, illuminating and heating 1

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

1	BEAVER FALLS	59	2,984	51	80	157	57	2,639	Au 2,754	Jy 2,551		2,558	2,340	147	53	18	$9,480,509
2	BETHLEHEM	40	1,647	43	38	57	13	1,496	My 1,567	No 1,334		1,331	760	444	47	80	4,116,219
3	BRADDOCK	39	1,339	38	58	83	20	1,140	Ap 1,265	De 993		1,016	1,005	9	2	.....	5,214,683
4	BRADFORD	71	1,459	62	76	102	41	1,178	My 1,268	De 1,018		1,101	983	107	5	6	4,535,190
5	BRISTOL	32	1,920	29	36	30	16	1,809	Se 1,833	Ja 1,785		1,785	944	711	62	68	4,212,611
6	BUTLER	69	3,827	77	37	380	30	3,303	Ja 3,634	My 2,806		3,120	2,993	92	25	10	18,379,935
7	CARBONDALE	43	2,090	34	51	87	21	1,897	Ja [3] 1,951	No 1,815		1,871	1,315	445	47	64	2,895,554
8	CARLISLE	50	1,760	50	48	42	17	1,603	Fe 1,723	Ja 1,508		1,641	1,089	492	33	27	2,906,651
9	CARNEGIE	19	432	17	19	54	5	337	Mh 383	No 291		356	327	25	4	.....	2,202,451
10	CHAMBERSBURG	59	1,921	59	70	117	25	1,650	Ja 1,719	De 1,486		1,640	1,279	304	22	35	3,739,869
11	CHARLEROI	29	2,111	16	30	86	75	1,904	Fe 2,171	Au 1,356		1,873	1,420	282	109	62	3,432,739
12	CHESTER	153	7,127	143	212	346	131	6,295	Ja 6,678	No 5,678		6,162	4,539	1,441	88	94	25,148,453
13	COLUMBIA	61	2,316	58	38	66	13	2,141	Mh 2,219	Je 1,994		2,152	1,432	635	35	50	3,512,670
14	CONNELLSVILLE	42	1,246	32	37	76	14	1,087	Ja 1,225	De 938		1,047	1,000	41	6	.....	3,246,062
15	DUBOIS	34	1,281	25	56	80	15	1,105	Ap 1,218	Jy 1,004		1,052	1,043	7	2	.....	3,296,121
16	DUNMORE	24	1,056	27	26	36	19	948	Oc 983	Ja 845		951	800	116	17	18	1,535,386
17	EASTON	118	4,529	121	100	164	82	4,062	Se 4,238	No 3,921		4,009	3,023	892	47	47	9,452,408
18	FRANKLIN	45	2,002	44	144	266	69	1,479	Au 1,617	No 1,207		1,474	1,357	108	6	3	13,515,874
19	GREATER PUNXSUTAWNEY	34	802	27	29	25	11	710	De 841	Jy 589		834	771	46	7	10	3,738,609
20	GREENSBURG	53	627	67	28	19	19	494	Ap 563	Au [3] 343		560	485	53	22	.....	1,038,619
21	HAZLETON	76	3,005	92	47	90	32	2,744	Je 2,835	De 2,561		2,799	917	1,583	65	234	5,507,870
22	HOMESTEAD	30	360	26	26	38	10	260	Au 292	De 213		229	203	23	1	2	1,480,478
23	LANCASTER	304	9,938	323	231	373	149	8,862	Ja 9,062	Au 8,646		9,203	5,739	3,019	172	273	21,232,178
24	LATROBE	25	719	20	25	95	9	570	My 611	Oc 520		562	477	80	2	3	7,055,425
25	LEBANON	97	5,854	77	94	308	105	5,270	Se 5,538	Fe 5,030		5,128	3,885	1,110	88	45	15,148,765
26	MCKEESPORT	73	7,838	65	178	649	89	6,857	Mh 8,088	Oc 5,457		6,715	6,395	197	123	.....	42,482,263
27	MCKEES ROCKS	39	3,887	30	60	211	38	3,548	Ja 3,893	No 2,760		3,413	3,059	263	66	25	10,885,543
28	MAHANOY CITY	33	729	38	7	17	6	661	Fe 683	Oc 645		657	174	463	8	12	1,106,043
29	MEADVILLE	57	2,129	50	121	112	170	1,676	Mh 1,905	Se 1,518		1,639	1,289	319	31	.....	4,305,167
30	MOUNT CARMEL	30	1,069	38	19	27	7	978	De 1,074	Ap 738		1,094	187	721	17	169	809,084
31	NANTICOKE	35	828	39	8	26	8	747	Je 772	De 688		741	102	534	6	99	1,317,912
32	NEW CASTLE	95	7,269	72	93	630	93	6,381	Ja 7,579	No 5,166		6,626	6,287	316	23	.....	26,871,844
33	NORRISTOWN	105	4,368	86	127	110	86	3,959	Oc 4,037	Jy 3,832		4,048	2,175	1,719	61	93	9,173,067
34	OIL CITY	36	2,614	51	39	220	28	2,276	Ja 2,630	De 1,831		1,871	1,821	47	3	.....	6,514,110
35	PHOENIXVILLE	34	3,169	36	73	98	35	2,927	Se 2,995	De 2,817		3,034	2,379	490	43	122	8,697,771
36	PITTSTON	39	845	35	28	34	19	729	Je 802	No 613		648	390	222	12	24	2,324,172
37	PLYMOUTH	17	529	14	14	15	8	478	Ap 550	De 353		443	99	292	6	46	831,929
38	POTTSTOWN	77	3,002	79	78	181	42	2,622	Au 2,883	No 2,192		2,490	1,872	525	55	38	6,157,148
39	POTTSVILLE	115	3,992	117	79	251	39	3,506	Ja 3,743	De 3,022		3,018	2,051	727	99	141	15,495,303
40	SHAMOKIN	51	2,853	47	48	84	40	2,634	Ap 2,693	Jy 2,492		2,677	699	1,459	127	392	4,532,119

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$421,865	$507,845	$3,836,351	$78,227	$63,832	$621,065	$7,728,653	$285,459	$16,733,954	$8,719,842	11,867	10,135	111	1	1,620	4,096	1
12,657	36,819	118,421	.....	8,741	2,444	411,967	10,266	723,440	301,207	170	70	.....	.....	100	30	2
.....	600	16,688	.....	1,640	195	13,982	1,241	43,617	28,394	33	15	.....	1	17	.....	3
1,893	624	25,377	300	4,820	226	107,283	4,025	171,715	60,407	105	.....	44	.....	61	.....	4
1,382	.....	28,265	240	1,852	113	23,280	47	69,900	46,573	.....	.....	.....	.....	.....	.....	5
3,717	885	11,438	100	.....	1,215	206,095	1,809	237,109	29,205	157	40	.....	.....	117	.....	6
23,097	4,220	72,592	.....	605	1,891	138,981	8,326	300,034	152,727	258	235	16	.....	7	125	7
.....	.....	3,070	.....	576	6	1,855	93	10,500	8,552	2	.....	.....	.....	2	.....	8
6,795	8,488	64,227	.....	1,320	1,016	98,009	2,667	183,105	82,429	271	195	.....	.....	76	.....	9
1,956	1,000	25,203	746	500	360	36,788	1,671	91,315	52,856	60	.....	10	.....	50	.....	10
11,336	12,644	114,822	1,021	10,186	696	109,065	3,678	317,363	204,620	115	40	.....	.....	75	3	11
77,194	23,358	174,492	18,879	8,770	3,691	142,779	8,162	607,454	456,513	231	.....	.....	.....	231	.....	12
28,032	28,631	388,885	44,215	1,275	5,480	715,562	31,985	1,624,702	877,155	1,891	1,750	.....	.....	141	3	13
1,040	942	7,146	.....	446	65	5,170	1,817	20,406	13,419	36	25	11	.....	.....	.....	14
.....	.....	5,517	.....	1,316	2,149	12,839	34	26,090	13,217	.....	.....	.....	.....	.....	.....	15
252,766	389,634	2,780,208	12,726	21,785	601,518	5,704,998	209,638	12,307,204	6,392,568	8,538	7,765	30	.....	743	3,935	16

Grease and tallow, not including lubricating greases 2
Hats and caps, other than felt, straw, and wool 2
Horseshoes, not made in steel works or rolling mills 1
Instruments, professional and scientific 1
Liquors, malt 3
Locomotives, not made by railroad companies 1
Mattresses and spring beds 4
Millinery and lace goods, not elsewhere specified 1
Mineral and soda waters 7
Paints 1
Patent medicines and compounds 4
Regalia and society badges and emblems 1
Saddlery and harness 3
Shipbuilding, wooden, including boat building 1
Signs and advertising novelties 1
Soap 1
Stamped ware, not elsewhere specified 1
Steam packing 1
Tinware 1
Tobacco, chewing and smoking, and snuff 1
Wire 1
Wirework 1

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

$186,743	$217,952	$1,615,686	$854	$9,694	$86,500	$4,052,807	$168,945	$7,963,420	$3,741,668	7,327	4,785	589	579	1,374	1,762	1
74,170	67,599	632,215	182,928	3,044	39,064	2,196,549	65,056	3,786,568	1,524,963	2,485	1,651	210	397	227	160	2
110,934	108,160	803,577	385	12,442	53,524	2,498,758	152,657	4,021,540	1,370,125	8,266	6,750	579	.....	937	685	3
133,775	116,486	687,489	1,785	11,816	12,145	2,468,804	148,269	4,034,401	1,417,328	3,957	744	2,859	.....	354	380	4
62,173	53,341	811,408	4,528	14,404	7,741	4,066,813	70,089	5,037,120	900,218	4,487	4,320	135	.....	32	176	5
100,284	456,828	2,050,555	11,013	10,655	51,873	10,742,306	262,761	15,006,393	4,001,326	13,875	9,574	2,054	.....	2,247	6,575	6
117,543	102,873	944,977	88,911	5,070	37,206	1,478,566	52,269	3,170,410	1,639,575	2,196	1,336	.....	.....	860	525	7
155,867	52,674	700,566	10,904	5,962	6,380	2,023,902	49,047	3,414,959	1,342,010	2,375	1,082	18	.....	1,275	967	8
28,587	67,854	231,404	360	1,405	65,457	876,189	25,846	1,724,111	822,076	1,342	1,145	90	.....	107	711	9
129,978	101,138	754,545	57,430	8,753	15,378	1,476,555	69,967	3,075,292	1,528,770	3,741	3,097	112	190	342	1,458	10
80,108	132,610	1,061,498	600	10,352	40,867	1,087,642	184,331	2,909,338	1,637,365	4,025	2,892	393	2	738	714	11
547,082	489,194	3,506,010	74,318	56,141	137,376	11,952,514	1,148,369	21,021,170	7,920,287	19,160	14,768	84	25	4,283	4,661	12
66,051	66,796	824,571	111,266	52,028	20,339	1,771,444	83,296	3,340,702	1,485,962	4,146	3,544	2	.....	600	51	13
53,549	75,436	689,467	5,545	5,374	63,308	739,586	49,827	1,993,557	1,204,144	3,205	2,200	5	50	950	371	14
99,525	68,718	685,529	.....	27,398	64,194	1,208,694	36,349	2,394,534	1,149,491	3,130	2,352	712	.....	66	1,613	15
74,422	42,316	351,604	3,978	32,714	68,357	437,891	39,075	1,268,939	791,973	1,731	1,080	.....	.....	651	703	16
268,399	214,317	2,278,365	350,921	36,988	109,869	4,461,650	209,731	10,357,227	5,685,846	7,272	3,449	137	614	3,072	1,081	17
384,520	440,877	954,482	3,000	10,300	55,258	5,498,731	109,838	10,608,017	4,999,448	7,031	4,526	1,991	100	414	2,031	18
52,802	24,758	510,210	5,380	9,144	65,552	876,495	552,764	2,227,620	798,361	4,389	3,686	166	55	482	23	19
39,959	27,198	461,758	3,319	13,588	11,103	499,833	35,769	1,382,472	846,870	1,043	430	101	.....	512	40	20
115,537	157,667	1,217,314	13,173	9,826	85,501	3,196,923	73,812	5,593,761	2,323,026	3,334	1,726	20	6	1,582	292	21
44,282	33,959	177,763	5,623	13,547	32,752	443,894	15,233	1,019,118	559,991	1,276	793	348	.....	135	72	22
386,089	642,436	4,066,873	22,027	78,441	354,473	10,777,166	361,407	20,011,393	8,872,820	14,555	6,692	286	2	7,575	311	23
92,005	133,842	381,160	808	6,430	111,582	829,797	95,806	2,213,234	1,287,631	9,574	9,144	12	.....	418	3,818	24
195,555	368,133	2,369,648	58,018	21,204	54,191	3,749,540	1,359,856	9,871,443	4,762,047	22,201	20,108	1,078	.....	1,015	6,685	25
469,959	722,455	5,248,298	280	123,929	470,468	18,665,883	2,251,152	33,743,329	12,826,294	55,599	48,754	3,344	.....	3,501	33,942	26
160,331	269,085	2,418,694	201	9,447	62,195	3,660,243	295,097	7,894,165	3,938,825	11,534	10,050	761	.....	723	6,830	27
24,920	20,796	254,675	81,590	8,193	58,795	393,899	18,837	1,057,349	644,613	833	595	.....	.....	238	67	28
228,062	206,970	878,600	3,338	17,223	409,885	1,769,893	95,720	5,057,962	3,192,349	2,895	967	815	.....	1,113	143	29
27,567	21,929	286,703	8,241	6,953	34,181	694,545	14,697	1,279,906	570,664	407	147	10	.....	250	.....	30
20,335	39,894	182,995	2,221	6,176	91,607	382,443	34,657	995,335	578,235	796	563	.....	.....	233	.....	31
237,450	738,307	5,058,374	817	15,564	132,315	27,030,377	2,516,293	38,384,877	8,838,207	71,118	68,604	282	250	1,982	11,673	32
290,905	191,994	1,818,795	56,023	25,642	182,447	4,274,911	148,672	8,421,430	3,997,847	6,669	4,838	95	546	1,190	2,230	33
94,309	214,969	1,558,734	.....	90,323	46,188	1,928,742	112,490	4,871,981	2,830,749	4,447	2,857	1,060	10	520	3,039	34
149,299	129,450	1,543,068	13,068	10,571	28,497	3,355,521	433,203	6,238,757	2,450,033	19,081	13,184	10	80	5,807	1,051	35
44,610	40,974	354,325	27,121	5,333	128,183	741,753	44,812	1,899,812	1,113,247	2,102	1,898	22	.....	182	143	36
23,462	12,777	173,458	39,790	2,922	2,885	427,346	13,736	831,439	390,357	963	562	.....	.....	401	84	37
167,357	226,727	1,156,439	24,939	143,042	53,085	5,070,390	1,128,494	8,865,860	2,666,976	18,578	17,935	98	292	253	1,958	38
228,381	256,986	1,473,829	13,126	31,870	173,857	6,694,209	417,159	10,195,800	3,084,432	25,978	25,220	.....	.....	758	9,831	39
145,183	80,414	1,030,135	.....	8,008	51,068	3,515,392	40,454	5,541,617	1,985,771	2,706	2,005	.....	20	681	1,753	40

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

[4] Same number reported throughout the year.

TABLE 59.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED—Continued.															
1	SHARON	48	2,688	42	112	184	52	2,298	Jy 2,928	De 1,642	2,354	2,297	28	29	.....	$12,452,835
2	SHENANDOAH	46	578	42	27	27	7	475	No 486	Ja 459	474	237	209	4	24	1,636,951
3	SOUTH BETHLEHEM	43	11,435	34	88	377	44	10,892	Jy [1] 11,635	Oc 10,142	11,663	9,878	1,570	94	121	68,792,777
4	SUNBURY	44	2,058	43	47	198	52	1,718	Se 1,801	Oc 1,653	1,713	1,235	410	30	38	5,696,871
5	TAMAQUA	46	1,059	45	16	21	3	974	Jy 1,000	De 939	988	372	522	17	77	989,512
6	TAYLOR	6	350	3	10	4	.....	333	Fe 374	Oc 275	322	51	243	8	20	245,503
7	UNIONTOWN	43	969	38	33	103	19	776	Oc 878	Fe 598	685	673	11	1	.....	4,665,009
8	WARREN	72	2,233	81	96	120	60	1,876	No 2,061	Fe 1,720	2,006	1,899	102	5	.....	7,792,934
9	WASHINGTON	64	2,218	51	59	71	35	2,002	Ap 2,268	Au 1,672	1,992	1,757	170	57	8	4,159,534
10	WEST CHESTER	55	1,080	50	38	50	48	894	Jy 1,012	De 720	754	662	87	1	4	4,140,021
11	WILKINSBURG	29	254	23	17	10	10	194	Se 235	Ja 128	239	233	5	1	.....	560,462
12	WILLIAMSPORT	176	6,890	151	213	357	154	6,015	Mh 6,474	Oc 5,534	5,873	4,491	1,281	62	39	17,674,665
13	YORK	247	12,078	243	256	618	110	10,851	Fe 11,276	Au 10,365	10,769	7,574	2,823	133	239	29,302,430

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED—Continued.																
$230,576	$244,538	$1,640,433	$9,605	$9,435	$105,306	$2,905,436	$645,713	$6,372,998	$2,821,849	18,762	17,826	458	.....	478	7,571	1
35,221	31,582	208,870	.....	4,817	114,200	892,160	20,156	1,573,464	661,148	1,497	1,290	.....	.....	207	610	2
328,821	561,513	7,388,575	82,909	16,289	390,691	18,032,972	4,587,884	40,179,381	17,558,525	117,017	84,257	32,230	.....	530	49,327	3
129,167	225,979	912,413	54,120	4,658	27,191	2,711,359	70,470	5,115,641	2,333,812	3,091	2,773	34	.....	284	1,859	4
22,539	19,522	448,147	.....	4,753	25,285	1,009,547	24,928	1,686,748	652,273	995	621	15	.....	359	170	5
15,906	4,000	98,813	8,863	4,803	838	71,772	12,086	244,941	161,083	476	200	.....	.....	276	.....	6
68,344	138,718	487,570	500	13,450	249,639	722,597	49,120	2,237,177	1,465,460	2,195	862	752	14	567	102	7
234,304	153,217	1,243,831	8,067	10,370	32,134	5,468,657	292,049	8,611,207	2,850,501	4,347	877	2,251	.....	1,219	73	8
144,529	98,660	1,216,928	2,720	10,474	63,639	2,559,496	284,355	5,093,672	2,249,821	4,016	885	2,135	3	993	926	9
69,312	96,668	536,724	8,773	5,243	9,293	729,990	42,785	2,084,505	1,311,730	1,678	1,235	5	.....	438	442	10
25,091	14,807	144,492	5,180	10,773	5,564	246,985	15,380	572,207	309,842	1,094	550	138	.....	406	17	11
443,967	448,440	3,189,964	429,546	31,640	61,132	8,342,446	282,325	15,863,699	7,238,928	12,041	9,972	207	.....	1,862	2,834	12
607,859	651,431	5,031,046	99,781	64,795	315,198	10,783,159	378,234	22,043,328	10,881,935	18,965	8,872	383	100	9,610	2,577	13

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

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

CENSUS OF MANUFACTURES 1914

RHODE ISLAND

Prepared under the supervision of W. M. STEUART, Chief Statistician for Manufactures

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WASHINGTON

GOVERNMENT PRINTING OFFICE

1917

EXPLANATION OF TERMS.

Scope of census.—Census statistics of manufactures are compiled primarily for the purpose of showing the absolute and relative magnitude of the different branches of industry covered and their growth or decline. Incidentally, the effort is made to present data throwing light upon character of ownership, size of establishments, and similar subjects. When use is made of the statistics for these purposes it is imperative that due attention should be given to their limitations, particularly in connection with any attempt to derive from them figures purporting to show average wages, cost of production, or profits.

The census did not cover establishments which were idle during the entire year or whose products were valued at less than $500, or the manufacturing done in educational, eleemosynary, and penal institutions.

Period covered.—The returns relate to the calendar year 1914, or the business year which corresponded most nearly to that calendar year, and cover a year's operations, except for establishments which began or discontinued business during the year.

The establishment.—As a rule, the term "establishment" represents a single plant or factory, but in some cases it represents two or more plants which were operated under a common ownership or for which one set of books of account was kept. If, however, the plants constituting an establishment as thus defined were not all located within the same city or state, separate reports were secured in order that the figures for each plant might be included in the statistics for the city or state in which it was located. In some instances separate reports were secured for different industries carried on in the same establishment.

Classification by industries.—The establishments were assigned to the several classes of industries according to their products of chief value. The products reported for a given industry may thus, on the one hand, include minor products very different from those covered by the class designation, and, on the other hand, may not include the total product covered by this designation, because some part of this product may be made in establishments in which it is not the product of chief value.

As a rule, the same designation is used for the industry wherever it appears, although all of the products indicated by this designation were not manufactured in the state or city for which these statistics are presented. In some instances the wording is changed so as to more correctly describe the products represented. For a number of industries subclasses are shown which indicate more definitely the kind of products.

Selected industries.—The general tables at the end of this bulletin give the principal facts separately for the industries of the state. A selection has been made of the leading industries of the state for more detailed consideration. Sometimes an industry of greater importance than some of those selected is omitted because it comprises so few establishments that these detailed presentations would reveal the operations of individual concerns.

Comparisons with previous censuses.—Owing to changes in industrial conditions it is not always possible to classify establishments by industries in such a way as to permit accurate comparison with preceding censuses. At the census of 1909 the figures for kindred industries were combined. This practice, as a rule, has been followed in compiling the statistics of 1914 when placed in comparison with those for 1909 and prior years. The comparative summary for 1914, 1909, and 1904, therefore, does not show separately all the industries given for 1914 in the detailed statement for the state.

Influence of increased prices.—In comparing figures for cost of materials, value of products, and value added by manufacture in 1914 and 1909 with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years. To the extent to which this factor has been influential the figures fail to afford an exact measure of the increase in the volume of business.

Persons engaged in the industry.—The following general classes of persons engaged in the manufacturing industries were distinguished: (1) Proprietors and firm members, (2) salaried officers of corporations, (3) superintendents and managers, (4) clerks (including other subordinate salaried employees), and (5) wage earners. In the reports for the censuses of 1904 and 1899 these five classes were shown according to the three main groups: (1) Proprietors and firm members, (2) salaried officials, clerks, etc., and (3) wage earners. In comparative tables covering the census of 1904 it is of course necessary to group the figures according to the classification that was employed at the earlier censuses.

The number of persons engaged in each industry, segregated by sex, and, in the case of wage earners, also by age (whether under 16 or 16 and over), was reported for a single representative day. The 15th of December was selected as representing for most industries normal conditions of employment, but where this date was not a representative day an earlier date was chosen.

In the case of employees other than wage earners the number thus reported for the representative date has been treated as equivalent to the average for the year, since the number of employees of this class does not ordinarily vary much from month to month. In the case of wage earners the average has been obtained in the manner explained in the next paragraph.

In addition to the more detailed report by sex and age of the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, without distinction of sex or age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported for the several months by 12. The average thus obtained approximates the number of wage earners that would be required to perform the work done if all were constantly employed during the entire year. Accordingly, the importance of the industry as an employer of labor is believed to be more accurately measured by this average than by the number employed at any one time or on a given day.

The number of wage earners reported for the representative day, though given in certain tables for each separate industry, is not totaled for all industries combined for any state, because, in view of the variations of date, such a total is believed not to be significant. It would involve more or less duplication of persons working in different industries at different times, would not represent the total number employed in all industries at any one time, and would give an undue weight to seasonal industries as compared with industries in continual operation. This total, however, is shown for the different cities, because the limited area and greater regularity of employment largely overcame the objection incident to its publication for the separate states or the United States.

In particular, totals by sex and age for the wage earners reported for the representative day for all industries combined would be misleading because of the undue weight given to seasonal industries, in some of which, such as canning and preserving, the distribution of the wage earners by sex and age is materially different from that in most industries of more regular operation. In order to determine as nearly as possible the sex and age distribution of the average number of wage earners for a given state as a whole, the per cent distribution by sex and age of the wage earners in each industry for December 15, or the nearest representative day, has been calculated from the actual numbers reported for that date. The percentages thus obtained have been applied to the average number of wage earners for the year in that industry to determine the average number of men, women, and children employed. These calculated averages for the several industries have been added to give the average distribution for each state as a whole and for the entire country.

Salaries and wages.—Under these heads are given the total payments during the year for salaries and wages, respectively. The Census Bureau has not undertaken to calculate the average annual earnings of either salaried employees or wage earners. Such averages would possess little real value, because they would be based on the earnings of employees of both sexes, of all ages, and of widely varying degrees of skill. Furthermore, so far as wage earners are concerned, it would be impossible to calculate accurately even so simple an average as this, since the number of wage earners fluctuates from month to month in every industry, and in some cases to a very great extent. The Census Bureau's figures for wage earners, as already explained, are averages based on the number employed on the 15th of each month and represent the approximate number who would be required to perform the work in any industry if all were continuously employed during the year, whereas the actual number to whom the total wages were paid would be larger.

Prevailing hours of labor.—No attempt was made to ascertain the number of wage earners working a given number of hours per week. The inquiry called merely for the prevailing practice followed in each establishment. Occasional variations in hours in an establishment from one part of the year to another were disregarded, and no attention was paid to the fact that a few wage earners might have hours differing from those of the majority. All the wage earners of each establishment are therefore counted in the class within which the establishment itself falls. In most establishments, however, all or practically all the wage earners work the same number of hours, so that the figures give a substantially correct representation of the hours of labor.

Capital.—The instructions on the schedule for securing data relating to capital were as follows:

"The answer should show the total amount of capital, both owned and borrowed, on the last day of the business year reported. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, that fact should be so stated and only the value of the owned property given. Do not include securities and loans representing investments in other enterprises."

These instructions were identical with those employed at the census of 1909. The data compiled in respect to capital, however, at both censuses, as well as at all preceding censuses of manufactures, have been so defective as to be of little value except as indicating very general conditions. In fact, it has been repeatedly recommended by the census authorities that this inquiry be omitted from the schedule. While there are some establishments whose accounting systems are such that an accurate return for capital could be made, this is not true of the great majority, and the figures therefore do not show the actual amount of capital invested.

Materials.—The statistics as to cost of materials relate to the materials used during the year, which may be more or less than the materials purchased during the year. The term "materials" covers fuel, rent of power and heat, mill supplies, and containers, as well as materials which form a constituent part of the product.

Rent and taxes.—The taxes include internal revenue, corporation income tax, and state, county, and local taxes. In some instances the amount of the corporation tax for 1914 had not been ascertained when the report was prepared and the amount paid for 1913 was therefore given.

Value of products.—The amounts given under this heading represent the selling value or price at the factory of all products manufactured during the year, which may differ from the value of the products sold.

Value added by manufacture.—The value of products is not a satisfactory measure of either the absolute or the relative importance of a given industry, because only a part of this value is actually created by the manufacturing processes carried on in the industry itself. Another part, and often by far the larger one, represents the value of the materials used. For many purposes, therefore, the best measure of the importance of an industry is the value created by the manufacturing operations carried on within the industry. This value is calculated by deducting the cost of the materials used from the value of the products. The figure thus obtained is termed in the census reports "value added by manufacture."

Cost of manufacture and profits.—The census data do not show the entire cost of manufacture, and consequently can not be used for the calculation of profits. No account has been taken of interest or depreciation, rent of offices and buildings other than factory or works, insurance, ordinary repairs, advertising, and other sundry expenses.

Primary horsepower.—This item represents the total primary power generated by the manufacturing establishments plus the amount of power, principally electric, rented from other concerns. It does not cover the power of electric motors taking their current from dynamos driven by primary power machines operated by the same establishment, because the inclusion of such power would obviously result in duplication. The figures for primary horsepower represent the rated capacity of the engines, motors, etc., and not the amount of power in actual daily use, since in most cases an engine or motor is not required to deliver continuously its full rated horsepower.

Fuel.—Statistics of the quantity of fuel used are shown only for anthracite and bituminous coal, coke, oil, and gas. They relate to the quantity used during the year, which may be more or less than the quantity purchased. As only the principal varieties of fuel are shown, no comparison can be made with the total cost of all fuel.

RHODE ISLAND.

By William A. Countryman.

GENERAL STATISTICS.

General character of the state.—Rhode Island was one of the original thirteen states. With a gross area of 1,248 square miles, of which 1,067 represent land surface, it is the smallest state in the Union. Its inhabitants in 1900 numbered 428,556, and in 1910, 542,610, and its estimated population in 1914 was 591,000. In total population Rhode Island ranked thirty-eighth among the states in 1910, but in density of population it ranked first, with 508.5 inhabitants per square mile, the corresponding figure for 1900 being 401.6.

The urban population in 1910—that is, the population residing in cities and towns of 2,500 inhabitants or more—was 524,654, or 96.7 per cent of the total, as against 95.1 per cent in 1900. There were in the state in 1914, 10 cities and towns each with an estimated population of more than 10,000: Central Falls, Cranston, Cumberland, East Providence, Lincoln, Newport, Pawtucket, Providence, Warwick, and Woonsocket. These cities, whose aggregate population in that year represented 82.8 per cent of the estimated total population of Rhode Island, reported 83.5 per cent of the value of the state's manufactured products.

The transportation facilities of Rhode Island are excellent. The state is traversed by the main line of the leading railway system of New England, and Providence, the largest city, is an important seaport. The total steam-railway mileage in 1914 was 206, and the electric-railway mileage (street and interurban combined) in 1912 was 309.

Importance and growth of manufactures.—At the census of 1914 Rhode Island ranked nineteenth among the states in value of products of its manufacturing industries and fourteenth in average number of wage earners employed. Its proportion of the total value of products of manufactures for the United States was 1.2 per cent, the corresponding proportion for both 1909 and 1904 being 1.4 per cent. The total value of products for the state represented a per capita of $473 in 1914, as against $517 in 1909, in which year it ranked first in this respect. The corresponding per capita figures for continental United States were $245 in 1914 and $225 in 1909.

Table 1 summarizes the principal data for all manufacturing industries combined for the state as returned at the censuses of 1914, 1909, 1904, and 1899, and gives the percentages of increase from census to census.

Table 1

	Manufacturing industries.				Per cent of increase.[1]		
	1914	1909	1904	1899	1909–1914	1904–1909	1899–1904
Number of establishments	2,190	1,951	1,617	1,678	12.3	20.7	−3.6
Persons engaged	124,109	122,641	104,299	(2)	1.2	17.6	.....
Proprietors and firm members	1,883	1,721	1,561	(2)	9.4	10.2	.....
Salaried employees	8,801	7,382	5,420	4,022	19.2	36.2	34.8
Wage earners (average number)	113,425	113,538	97,318	88,197	−0.1	16.7	10.3
Primary horsepower	269,854	226,740	182,608	153,619	19.0	24.2	18.9
Capital	$308,444,563	$290,901,270	$215,901,375	$176,901,606	6.0	34.7	22.0
Salaries and wages	72,621,981	65,810,914	50,153,315	41,295,677	10.3	31.2	21.4
Salaries	13,255,689	10,576,846	7,040,678	5,300,576	25.3	50.2	32.8
Wages	59,366,292	55,234,068	43,112,637	35,995,101	7.5	28.1	19.8
Paid for contract work	1,138,483	1,200,749	931,751	(2)	−5.2	28.9	.....
Rent and taxes (including internal revenue)	4,343,851	2,874,582	[3] 2,209,517	(2)	51.1	.....	.....
Cost of materials	162,425,219	158,191,574	112,872,261	87,951,780	2.7	40.2	28.3
Value of products	279,545,873	280,343,797	202,109,583	165,550,382	−0.3	38.7	22.1
Value added by manufacture (value of products less cost of materials)	117,120,654	122,152,223	89,237,322	77,598,602	−4.1	36.9	15.0

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

The table brings out the fact that the growth which took place in the industries of Rhode Island during the decade 1899–1909 did not continue during the five-year period 1909–1914. In fact, as measured by value of products, value added by manufacture, and number of wage earners employed, the state's industries showed an actual decline during this latter period. It is noteworthy, however, that the number of salaried employees, amount of primary horsepower, and amounts paid for salaries and for rent and taxes showed considerable increases. The percentages of increase in number of establishments, average number of wage earners, value of products, and value added by manufacture during the decade 1904–1914 were 35.4, 16.6, 38.3, and 31.2, respectively.

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

Table 2

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904	1909-1914	1904-1909	1899-1904
All industries	2,190	113,425	100.0	$279,545,873	100.0	$117,120,654	100.0	−0.1	16.7	10.3	−0.3	38.7	22.1	−4.1	36.9	15.0
Woolen and worsted goods	80	22,745	20.1	60,888,755	21.8	19,153,956	16.4	−8.7	15.3	22.7	−18.4	41.7	36.1	−18.8	41.1	21.1
Cotton goods, including cotton small wares	102	29,483	26.0	49,718,837	17.8	20,962,528	17.9	2.4	16.3	3.0	−1.2	45.5	30.8	−15.9	67.1	1.1
Jewelry	291	8,778	7.7	21,522,251	7.7	10,313,204	8.8	−7.7	46.9	−8.8	4.0	43.3	9.1	−5.4	40.2	10.2
Foundry and machine-shop products	182	10,728	9.5	19,373,113	6.9	12,263,131	10.5	−1.9	26.9	−3.6	−6.0	45.2	4.4	−2.7	37.2	14.5
Dyeing and finishing textiles	47	7,928	7.0	16,300,783	5.8	7,536,480	6.4	1.7	3.0	27.3	16.8	39.8	17.6	−12.7	36.2	17.5
Silk goods, including throwsters	12	2,325	2.0	7,664,472	2.7	2,337,878	2.0	38.0	30.5	183.7	67.2	79.3	95.0	67.4	62.3	74.8
Rubber goods, not elsewhere specified	6	1,541	1.4	6,088,988	2.2	2,026,579	1.7	99.1	−21.9	−4.6	93.8	21.7	2.5	89.8	12.8	10.2
Slaughtering and meat packing	23	265	0.2	5,470,413	2.0	481,177	0.4	23.8	15.1	−19.5	.....	18.8	2.3	32.9	32.6	−9.6
Electrical machinery, apparatus, and supplies	13	1,581	1.4	5,468,065	2.0	1,674,995	1.4	−1.2	13.6	63.1	−14.7	17.9	6.3	−7.7	28.0	45.0
Printing and publishing	162	1,515	1.3	4,293,489	1.5	3,131,697	2.7	4.2	1.5	14.8	13.6	23.1	49.9	15.3	20.5	50.7
Hosiery and knit goods	23	2,030	1.8	4,191,841	1.5	1,787,239	1.5	14.4	3.1	7.8	8.4	15.6	22.8	25.7	32.4	12.6
Bread and other bakery products	204	1,112	1.0	4,016,959	1.4	1,691,189	1.4	5.4	9.4	36.5	2.0	28.9	41.7	15.3	19.2	33.7
Liquors, malt	8	511	0.5	3,918,332	1.4	2,319,247	2.0	13.6	10.8	37.2	9.5	30.6	45.7	−3.0	18.5	41.3
Gold and silver, reducing and refining, not from the ore	15	73	0.1	3,289,857	1.2	329,501	0.3	.....	.....	.....	−25.9	4.2	22.3	21.8	−1.1	−20.8
Gas, illuminating and heating	6	605	0.5	2,462,161	0.9	1,578,605	1.3	46.8	−10.8	7.4	34.3	16.0	63.0	21.2	20.3	49.3
Lumber and timber products	53	779	0.7	2,091,780	0.7	1,006,067	0.9	4.1	13.7	0.2	9.7	12.3	36.2	19.3	−0.6	34.4
Soap	12	167	0.1	1,539,069	0.6	610,166	0.5	−0.6	−12.5	.....	23.3	44.1	.....	96.9	9.2	.....
Paper goods, not elsewhere specified	10	329	0.3	1,490,519	0.5	549,197	0.5	8.9	28.0	.....	10.2	54.9	.....	21.9	60.1	.....
Copper, tin, and sheet-iron products	62	549	0.5	1,304,271	0.5	638,451	0.5	45.6	20.1	61.9	39.9	26.6	104.4	32.9	35.2	70.7
Furnishing goods, men's	10	650	0.6	1,277,201	0.5	514,224	0.4	−5.0	.....	.....	−17.5	.....	.....	−21.3	.....	.....
Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills	5	645	0.6	987,572	0.4	598,501	0.5	−16.2	34.4	.....	−26.3	47.7	.....	−17.6	32.6	.....
Marble and stone work	46	658	0.6	955,160	0.3	669,334	0.6	−0.3	−12.9	−14.1	−7.6	−0.7	−3.6	−14.6	2.9	−7.6
Confectionery	20	268	0.2	880,078	0.3	358,571	0.3	101.6	.....	−54.4	96.7	98.3	−53.8	89.1	59.6	−49.0
Flour-mill and gristmill products	20	74	0.1	797,553	0.3	107,479	0.1	.....	.....	.....	−10.0	−21.9	−37.7	11.7	28.0	−70.8
Dyestuffs and extracts	7	91	0.1	792,817	0.3	280,633	0.2	.....	.....	.....	−14.5	80.8	.....	−5.2	58.9	.....
Boxes and cartons, paper	12	499	0.4	625,754	0.2	327,355	0.3	0.6	13.5	11.5	25.3	46.5	22.3	−0.9	49.4	28.9
Confectionery (ice cream)	46	126	0.1	582,576	0.2	247,439	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brass, bronze, and copper products	19	123	0.1	576,617	0.2	366,733	0.3	−45.3	−25.2	45.4	−30.3	24.0	55.0	31.6	−14.4	48.2
Carriages, wagons, and repairs	47	271	0.2	508,901	0.2	327,707	0.3	13.9	4.4	−36.1	20.6	13.6	−42.0	26.7	1.8	−39.7
All other industries	647	16,976	15.0	50,467,689	18.1	22,931,391	19.6	.....	.....	.....	.....	.....	.....	.....	.....	.....

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

The designation "all other industries" covers 19 industries, each of which reported products exceeding in value some for which figures are shown in the table, but statistics for these can not be given without disclosing the operations of individual establishments. These industries are: Automobiles; baking powders; boots and shoes, rubber; cars and general shop construction and repairs by electric-railroad companies; chemicals; files; food preparations, not elsewhere specified; iron and steel, steel works and rolling mills; oil, cottonseed, and cake; oleomargarine; paints; paper and wood pulp; screws, wood; shipbuilding, iron and steel; silversmithing and silverware; upholstering materials; washing machines and clothes wringers; waste; and wire.

Although a few industries greatly predominate in importance, it will be seen from Table 2 that there is, on the whole, considerable diversity in the manufactures of the state. The most important of the industries listed in this table, in which they are arranged according to value of products, may be considered briefly.

Textiles.—The textile industries—comprising woolen and worsted goods; cotton goods, including cotton small wares and cotton lace; silk goods, including throwsters; hosiery and knit goods; and dyeing and finishing textiles—constitute by far the most important group of industries in the state. This group, designated as "combined textiles," gave employment during the year to an average of 64,511 wage earners, and reported products valued at $138,764,688, these figures representing 56.9 per cent and 49.6 per cent, respectively, of the totals for all industries in the state; the corresponding percentages for 1909 were 57.2 and 52.5, respectively. Rhode Island ranks fifth among the states in value of products of cotton goods, third in that of woolen and worsted goods, fourth in that of dyeing and finishing textiles, sixth in that of silk goods, and fifteenth in that of hosiery and knit goods.

Although textiles are dyed and finished in some of the factories in which they are produced, a great part of the textile output is treated in independent establishments. This industry is centered in great textile-manufacturing communities and is therefore extensive in Rhode Island, in which it ranks fifth among the separate industries.

Manufactures from precious metals.—The manufacture of jewelry is closely allied with the silversmithing and silverware industry and with the reduction and refining of gold and silver from sweepings, clip-

pings, and scraps. The combined figures, however, can not be given without disclosing the operations of individual establishments in the silversmithing and silverware industry. The manufacture of jewelry and the reduction and refining of gold and silver together gave employment to an average of 8,851 wage earners and turned out products valued at $24,812,108.

Foundry and machine-shop products.—Rhode Island ranked twelfth in this important industry, a large part of which is devoted to the manufacture of machinery of various kinds, including that used in textile factories. It also includes automobile repairing, the manufacture of engines (steam, gas, and water), gas machines and gas and water meters, hardware, plumbers' supplies, steam fittings and steam and hot-water heating apparatus, and structural ironwork. The value of products shown, $19,373,113, represents 6.9 per cent of the total for all manufacturing industries in the state.

Electrical machinery, apparatus, and supplies.—Insulated wires and cables, incandescent lamps, and electric lighting fixtures are the chief products of this industry. Rhode Island ranked tenth among the states in value of such products in 1914.

The leading industries differ somewhat in their ranking in value of products and in value added by manufacture. In 1914, as in 1909, woolen and worsted goods ranked first in value of products, but second in value added by manufacture; cotton goods, second in value of products, but first in value added by manufacture; jewelry, third in value of products, but fourth in value added by manufacture; and foundry and machine-shop products, fourth in value of products but third in value added by manufacture.

The greatest rate of increase in value of products from 1909 to 1914, 96.7 per cent, is shown for confectionery; and the smallest, 2 per cent, for bread and other bakery products. A number of decreases are shown, the greatest, 30.3 per cent, appearing for brass, bronze, and copper products; and the least, 1.2 per cent, for cotton goods.

In value added by manufacture the greatest rate of increase, 96.9 per cent, is for soap; and the smallest, 11.7 per cent, for flour-mill and gristmill products. The greatest rate of decrease, 21.3 per cent, is shown for furnishing goods, men's; and the smallest, nine-tenths of 1 per cent, for paper boxes and cartons.

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

There was an increase of 1,696 in the number of males and a decrease of 228 in the number of females engaged in the manufactures of the state. The change was sufficient to cause a slight increase in the proportion of males and a decrease in that of females.

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Total.	Male.	Female.	Per cent of total. Male.	Female.
All classes	1914	124,109	83,539	40,570	67.3	32.7
	1909	122,641	81,843	40,798	66.7	33.3
Proprietors and officials	1914	4,403	4,267	136	96.9	3.2
	1909	4,109	3,957	152	96.3	3.7
Proprietors and firm members	1914	1,883	1,780	103	94.5	5.5
	1909	1,721	1,606	115	93.3	6.7
Salaried officers of corporations	1914	947	925	22	97.7	2.3
	1909	907	885	22	97.6	2.4
Superintendents and managers	1914	1,573	1,562	11	99.3	0.7
	1909	1,481	1,466	15	99.0	1.0
Clerks and other subordinate salaried employees.	1914	6,281	4,143	2,138	66.0	34.0
	1909	4,994	3,337	1,657	66.8	33.2
Wage earners (average number)	1914	113,425	75,129	38,296	66.2	33.8
	1909	113,538	74,549	38,989	65.7	34.3
16 years of age and over	1914	109,242	73,217	36,025	67.0	33.0
	1909	108,913	72,239	36,674	66.3	33.7
Under 16 years of age	1914	4,183	1,912	2,271	45.7	54.3
	1909	4,625	2,310	2,315	49.9	50.1

Slight decreases appear in the percentages of females in all classes combined and in each subclass separately, with the exceptions of clerks and other subordinate salaried employees and wage earners under 16 years of age. It is worthy of note that, although the number of female wage earners under 16 years of age decreased from 2,315 in 1909 to 2,271, in 1914, their proportion in this subgroup increased from 50.1 per cent in the earlier year to 54.3 per cent in the later.

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

The average number of wage earners employed in the manufactures of the state during 1914 was slightly less (0.1 per cent) than the average number reported for 1909. The increase in the number of proprietors and officials, clerks, and other subordinate salaried employees was sufficient to overcome this slight decrease and resulted in a net gain of 1,468, or 1.2 per cent, in the number of persons engaged in manufacturing industries. The decrease in the number of wage earners is due entirely to the decrease in the number of females and of persons under 16 years of age. There was an actual increase of 976, or 1.4 per cent, in the number of male wage earners 16 years of age and over. The number of clerks and other subordinate salaried employees increased by 1,287, or 25.8 per cent. This large increase in salaried employees was due in part to the fact that some of the establishments did not operate to their full capacity during the entire year, but found it impracticable to make a corresponding reduction in the office and clerical force. This condition resulted in a slight increase in the proportion that the clerks

and other salaried employees and proprietors and officials are of the total number engaged in manufactures and a corresponding decrease in the proportion of wage earners.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Per cent of increase,[1] 1909–1914. Total.	Male.	Female.	Per cent distribution. Total. 1914	Total. 1909	Male. 1914	Male. 1909	Female. 1914	Female. 1909
All classes	1.2	2.1	−0.6	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	7.2	7.8	−10.5	3.5	3.4	5.1	4.8	0.3	0.4
Proprietors and firm members	9.4	10.8	−10.4	1.5	1.4	2.1	2.0	0.3	0.3
Salaried officers of corporations	4.4	4.5	.....	0.8	0.7	1.1	1.1	0.1	0.1
Superintendents and managers	6.2	6.5	.....	1.3	1.2	1.9	1.8	(2)	(2)
Clerks and other subordinate salaried employees	25.8	24.2	29.0	5.1	4.1	5.0	4.1	5.3	4.1
Wage earners (average number)	−0.1	0.8	−1.8	91.4	92.6	89.9	91.1	94.4	95.6
16 years of age and over	0.3	1.4	−1.8	88.0	88.8	87.6	88.3	88.8	89.9
Under 16 years of age	−9.6	−17.2	−1.9	3.4	3.8	2.3	2.8	5.6	5.7

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

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

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

Table 5

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Number. 1914	Number. 1909	Number. 1904	Per cent distribution. 1914	Per cent distribution. 1909	Per cent distribution. 1904	Per cent of increase.[1] 1909–1914	Per cent of increase.[1] 1904–1909
Total	124,109	122,641	104,299	100.0	100.0	100.0	1.2	17.6
Proprietors and firm members	1,883	1,721	1,561	1.5	1.4	1.5	9.4	10.2
Salaried employees	8,801	7,382	5,420	7.1	6.0	5.2	19.2	36.2
Wage earners (average number)	113,425	113,538	97,318	91.4	92.6	93.3	−0.1	16.7

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

The table shows a constant increase in the proportion that salaried employees formed of the total number of persons engaged. The percentage of increase for each class during the later five-year period is much smaller than that for the earlier one, and for the average number of wage earners a slight decrease is is shown.

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

For all industries combined, the percentage which the number of male wage earners over 16 years of age represented of the total, increased slightly from census to census; for females the corresponding percentage increased somewhat from 1904 to 1909 but decreased during the following five-year period; and for wage earners under 16 decreases in this respect are shown from census to census.

Table 6

INDUSTRY.	Census year.	WAGE EARNERS. Average number.[1]	Per cent of total. 16 years of age and over. Male.	Per cent of total. 16 years of age and over. Female.	Per cent of total. Under 16 years of age.
All industries	1914	113,425	64.6	31.8	3.7
	1909	113,538	63.6	32.3	4.1
	1904	97,318	63.0	31.6	5.4
Bread and other bakery products	1914	1,112	93.1	6.4	0.5
	1909	1,055	91.7	7.6	0.8
Cotton goods, including cotton small wares	1914	29,483	51.3	43.1	5.6
	1909	28,786	50.7	43.3	6.0
Dyeing and finishing textiles	1914	7,928	79.6	18.2	2.3
	1909	7,792	77.7	19.9	2.4
Electrical machinery, apparatus, and supplies	1914	1,581	67.4	31.0	1.5
	1909	1,601	58.7	39.1	2.2
Foundry and machine-shop products	1914	10,728	98.1	1.3	0.6
	1909	10,937	97.3	1.6	1.1
Hosiery and knit goods	1914	2,030	18.9	75.4	5.7
	1909	1,774	19.9	73.1	7.0
Jewelry	1914	8,778	67.2	31.2	1.7
	1909	9,511	56.8	40.6	2.6
Lumber and timber products	1914	779	99.2	0.3	0.5
	1909	748	99.6	0.2	0.1
Printing and publishing	1914	1,515	76.3	22.1	1.5
	1909	1,454	70.8	26.8	2.3
Rubber goods, not elsewhere specified	1914	1,541	75.6	23.1	1.3
	1909	774	48.6	45.6	5.8
Silk goods, including throwsters	1914	2,325	40.1	56.1	3.8
	1909	1,685	43.6	53.2	3.2
Woolen and worsted goods	1914	22,745	50.0	43.4	6.6
	1909	24,924	52.1	41.7	6.2
All other industries	1914	22,880	76.4	22.1	1.5
	1909	22,497	77.6	20.2	2.1

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

In 1914, as in 1909, the larger part of the female wage earners were employed in the textile industries. The proportion of females among wage earners over 16 years of age employed in 1914 in the manufacture of hosiery and knit goods was more than three-fourths; in the silk industry, more than five-ninths; and in the cotton and the woolen and worsted industries, each

more than two-fifths. In the independent establishments dyeing and finishing textiles the percentage of females was comparatively small—less than one-fifth—and showed a decrease from 1909 to 1914. The manufacture of electrical machinery, apparatus, and supplies, and of jewelry, each employed a substantial proportion of women in 1914, but a smaller one than in 1909. A decrease is shown in the proportion of wage earners under 16 employed in each of the industries covered by the table except the manufacture of silk goods, woolen and worsted goods, and lumber and timber products.

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

Table 7

SEX AND AGE.	Census year.	AVERAGE NUMBER OF WAGE EARNERS IN—									
		Central Falls.	Cranston.	Cumberland.	East Providence.	Lincoln.	Newport.	Pawtucket.	Providence.	Warwick.	Woonsocket.
Total	1914	3,077	2,218	4,666	1,906	2,602	893	16,713	44,176	6,439	10,952
	1909	2,475	1,711	5,359	2,041	.....	726	15,275	46,381	6,471	10,703
	1904	2,443	587	4,574	1,381	.....	849	12,054	39,804	6,153	8,672
16 years of age and over:											
Male	1914	1,543	2,024	2,633	1,677	1,862	779	9,500	31,002	4,133	6,098
	1909	1,072	1,509	3,108	1,651	.....	669	8,724	31,166	4,135	6,293
	1904	1,124	[1] 493	[1] 2,334	[1] 1,097	.....	801	6,504	26,643	3,810	5,195
Female	1914	1,348	171	1,754	200	667	105	6,393	12,073	2,036	4,358
	1909	1,252	188	1,962	331	.....	57	5,641	13,748	2,077	3,864
	1904	1,097	92	[1] 1,876	283	.....	42	4,780	11,410	1,821	2,881
Under 16 years of age	1914	186	23	279	29	73	9	820	1,101	270	496
	1909	151	14	289	59	.....	.....	910	1,467	259	546
	1904	222	2	[1] 364	1	.....	6	770	1,751	522	596
Per cent of total:											
16 years of age and over—											
Male	1914	50.1	91.3	56.4	88.0	71.6	87.2	56.8	70.2	64.2	55.7
	1909	43.3	88.2	58.0	80.9	.....	92.1	57.1	67.2	63.9	58.8
	1904	46.0	87.5	47.4	76.5	.....	94.3	54.0	66.9	61.9	59.9
Female	1914	43.8	7.7	37.6	10.5	25.6	11.8	38.3	27.3	31.6	39.8
	1909	50.6	11.0	36.6	16.2	.....	7.9	36.9	29.6	32.1	36.1
	1904	44.9	12.3	46.2	23.4	.....	4.9	39.7	28.7	29.6	33.2
Under 16 years of age	1914	6.0	1.0	6.0	1.5	2.8	1.0	4.9	2.5	4.2	4.5
	1909	6.1	0.8	5.4	2.9	.....	.....	6.0	3.2	4.0	5.1
	1904	9.1	0.3	6.4	0.1	.....	0.7	6.4	4.4	8.5	6.9

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

This table shows the extent to which men, women, and children, respectively, are employed in the manufactures of the principal cities of the state. The smallest proportions of children in 1914 of the total average number of wage earners employed are shown for Cranston and Newport. The largest city in the state, Providence, had a smaller proportion in 1914 than in 1909 or 1904, and a decrease from census to census is also shown for Pawtucket. In the cities where the largest numbers are employed, Providence and Pawtucket, the per cent that women form of the number of wage earners has decreased slightly since 1904. This is true also of four of the smaller cities.

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

Table 8

CITY.	PER CENT OF INCREASE IN AVERAGE NUMBER OF WAGE EARNERS.[1]				
	Period.	Total.	16 years of age and over.		Under 16 years of age.
			Male.	Female.	
Central Falls	1904–1914	26.0	37.3	22.9	−16.2
	1909–1914	24.3	43.9	7.7	23.2
	1904–1909	1.3	−4.6	14.1	−32.0
Cranston	1904–1914	277.9	310.5	.....	.....
	1909–1914	29.6	34.1	−9.0	.....
	1904–1909	191.5	206.1	.....	.....
Cumberland	1904–1914	2.0	12.8	−6.5	−23.4
	1909–1914	−12.9	−15.3	−10.6	−3.5
	1904–1909	17.2	33.2	4.6	−20.6
East Providence	1904–1914	38.0	52.9	−29.3	.....
	1909–1914	−6.6	1.6	−39.6	.....
	1904–1909	47.8	50.5	17.0	.....
Newport	1904–1914	5.2	−2.7	.....	.....
	1909–1914	23.0	16.4	.....	.....
	1904–1909	−14.5	−16.5	.....	.....

CITY.	PER CENT IN INCREASE OF AVERAGE NUMBER OF WAGE EARNERS[1]—continued.				
	Period.	Total.	16 years of age and over.		Under 16 years of age.
			Male.	Female.	
Pawtucket	1904–1914	38.7	46.1	33.7	6.5
	1909–1914	9.4	8.9	13.3	−9.9
	1904–1909	26.7	34.1	18.0	18.2
Providence	1904–1914	11.0	16.4	5.8	−37.1
	1909–1914	−4.8	−0.5	−12.2	−24.9
	1904–1909	16.5	17.0	20.5	−16.2
Warwick	1904–1914	4.6	8.5	11.8	−48.3
	1909–1914	−0.5	(2)	−2.0	4.2
	1904–1909	5.2	8.5	14.1	−50.4
Woonsocket	1904–1914	26.3	17.4	51.3	−16.8
	1909–1914	2.3	−3.1	12.8	−9.2
	1904–1909	23.4	21.1	34.1	−8.4

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

[2] A decrease of less than one-tenth of 1 per cent.

An increase in total average number of wage earners for the 10 years was reported for each of the cities, but slight decreases appear for four during the semidecade 1909–1914. There has been a decrease in number of women employed, in two cities, and of children, in five cities, since 1904.

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

For 1914 the maximum number, 116,685, was reported for March; but for 1909 and 1904 it was reported for December—119,191 and 100,453, respectively. December was the month of least employment in 1914, with 92.8 per cent of the maximum; January in 1909, with 91.3 per cent; and July in 1904, with 94.7 per cent.

Table 9

MONTH.	WAGE EARNERS IN MANUFACTURING INDUSTRIES.					
	Number.[1]			Per cent of maximum.		
	1914	1909	1904	1914	1909	1904
January	116,501	108,773	98,184	99.8	91.3	97.7
February	116,597	109,615	97,573	99.9	92.0	97.1
March	116,685	111,924	97,376	100.0	93.9	96.9
April	116,349	111,320	96,263	99.7	93.4	95.8
May	115,661	111,952	95,516	99.1	93.9	95.1
June	114,119	112,055	95,678	97.8	94.0	95.2
July	111,600	111,571	95,138	95.6	93.6	94.7
August	110,936	112,835	95,212	95.1	94.7	94.8
September	112,035	116,116	96,672	96.0	97.4	96.2
October	112,300	118,007	99,414	96.2	99.0	99.0
November	110,056	119,104	100,337	94.3	99.9	99.9
December	108,261	119,191	100,453	92.8	100.0	100.0

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

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

Table 10

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

INDUSTRY AND CITY.	Average number employed during year.	Number employed on 15th day of the month or nearest representative day.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	113,425	116,501	116,597	**116,685**	116,349	115,661	114,119	111,600	110,936	112,035	112,300	110,056	*108,261*	92.8
Bread and other bakery products	1,112	1,102	1,102	1,106	*1,095*	1,104	1,112	1,112	1,122	**1,131**	1,120	1,123	1,115	96.8
Copper, tin, and sheet-iron products	549	**605**	587	556	*522*	533	531	531	539	540	552	540	552	86.3
Cotton goods, including cotton small wares	29,483	30,094	30,251	**30,306**	30,294	30,007	29,538	29,170	29,077	29,256	28,829	*28,372*	28,602	93.6
Dyeing and finishing textiles	7,928	8,307	**8,328**	8,249	8,191	7,927	7,872	7,696	7,699	7,810	7,850	7,653	*7,554*	90.7
Electrical machinery, apparatus, and supplies	1,581	**1,845**	1,796	1,809	1,671	1,622	1,548	1,529	1,549	1,464	1,406	1,368	*1,365*	74.0
Foundry and machine-shop products	10,728	**11,447**	11,428	11,397	11,246	11,144	10,789	10,654	10,418	9,853	*9,736*	10,105	10,519	85.1
Hosiery and knit goods	2,030	2,109	**2,218**	2,137	2,069	2,041	1,968	1,943	1,918	1,953	1,938	1,938	*1,894*	85.4
Jewelry	8,778	**9,388**	9,186	8,979	8,765	8,660	8,370	*8,143*	8,312	8,937	9,277	8,880	8,439	86.7
Liquors, malt	511	514	501	506	504	505	521	**529**	521	514	510	*498*	509	94.1
Lumber and timber products	779	**818**	791	805	818	805	807	807	769	743	737	*721*	727	88.1
Marble and stone work	658	602	*576*	634	663	669	688	685	712	**720**	711	652	584	80.0
Printing and publishing	1,515	**1,552**	1,552	1,533	1,504	1,524	1,500	1,464	*1,451*	1,499	1,529	1,534	1,538	93.5
Rubber goods, not elsewhere specified	1,541	1,753	1,765	1,879	**2,011**	1,986	1,875	1,827	1,341	1,035	1,107	*881*	1,032	43.8
Silk goods, including throwsters	2,325	2,373	**2,429**	2,413	*2,120*	2,418	2,425	2,321	2,372	2,340	2,270	2,165	2,254	87.3
Woolen and worsted goods	22,745	22,618	22,673	22,807	23,226	23,154	23,163	22,623	22,134	22,947	**23,466**	22,898	*21,231*	90.5
All other industries	21,162	21,374	21,414	21,569	**21,650**	21,562	21,412	20,566	21,002	21,293	21,262	20,728	*20,346*	94.0
Total for cities	93,642	**96,656**	96,427	96,592	96,182	96,154	94,466	91,788	91,267	92,123	92,670	90,524	*88,855*	91.9
CENTRAL FALLS	3,077	**3,396**	3,288	3,237	3,210	3,083	2,965	2,933	3,039	3,039	2,978	*2,785*	2,971	82.0
CRANSTON	2,218	2,309	2,339	2,347	**2,424**	2,395	2,250	2,238	2,101	2,043	2,033	*2,022*	2,115	83.4
CUMBERLAND	4,666	4,736	4,729	**4,772**	4,748	4,704	4,668	4,487	*4,442*	4,710	4,733	4,644	4,619	93.1
EAST PROVIDENCE	1,906	1,960	1,965	**2,020**	1,910	1,886	1,891	1,879	1,923	1,880	1,926	1,847	*1,785*	88.4
LINCOLN	2,602	**2,792**	2,789	2,758	2,687	2,618	2,570	2,445	*2,434*	2,555	2,510	2,547	2,519	87.2
NEWPORT	893	788	897	939	968	**1,066**	1,017	869	864	892	838	813	*765*	71.8
PAWTUCKET	16,713	16,941	16,980	**17,108**	16,987	16,889	16,793	16,449	16,462	16,514	16,686	16,509	*16,238*	94.9
PROVIDENCE	44,176	**46,020**	45,545	45,576	45,710	45,724	44,816	44,003	42,904	43,231	43,606	42,125	*40,852*	88.8
WARWICK	6,439	6,519	6,550	6,535	6,622	**6,626**	6,513	6,487	6,446	6,358	6,319	*6,085*	6,208	91.8
WOONSOCKET	10,952	11,195	**11,345**	11,300	10,916	11,163	10,983	*9,998*	10,652	10,901	11,041	11,147	10,783	88.1

The smallest degree of fluctuation in number of wage earners employed in the various industries in 1914 was shown by bread and other bakery products, and the greatest by rubber goods, not elsewhere specified. It is worthy of note that although in 1914 March was the month of greatest employment, taking all the industries as a group, the maximum figures for 6 of the 15 industries are shown for January.

Providence, Central Falls, and Lincoln reported their maximum numbers for January; and the maximum for all the cities taken as a group also appears for this month. The maximum numbers for Pawtucket,

Cumberland, and East Providence, and for the state as a whole, are shown for March; and for Woonsocket the greatest number appears for February. The minimum numbers of wage earners for all the cities combined and for four of the cities separately—Providence, Pawtucket, East Providence, and Newport—were reported for December.

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

Table 11

Industry and city.	Census year.	Average number of wage earners.								
		Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54	Between 54 and 60.	60	Between 60 and 72.	72	Over 72.
All industries	1914	113,425	5,871	3,520	72,681	26,013	4,975	243	21	101
	1909	113,538	2,672	1,484	7,001	92,597	9,388	163	30	203
Bread and other bakery products	1914	1,112	132	20	462	106	366	7	19	.....
	1909	1,055	104	20	136	99	627	46	23	.....
Copper, tin, and sheet-iron products	1914	549	341	10	157	41	.....	.....	.....	.....
	1909	377	206	18	11	142	.....	.....	.....	.....
Cotton goods, including cotton small wares	1914	29,483	.....	335	27,248	1,892	8	.....	.....	.....
	1909	28,786	.....	.....	34	28,658	94	.....	.....	.....
Dyeing and finishing textiles	1914	7,928	3	832	5,862	972	259	.....	.....	.....
	1909	7,792	.....	.....	.....	6,334	1,438	20	.....	.....
Electrical machinery, apparatus, and supplies	1914	1,581	.....	34	417	595	535	.....	.....	.....
	1909	1,601	1	6	158	1,409	27	.....	.....	.....
Foundry and machine-shop products	1914	10,728	652	165	1,553	8,034	310	14	.....	.....
	1909	10,937	9	348	1,221	8,411	948	.....	.....	.....
Hosiery and knit goods	1914	2,030	305	10	1,519	196	.....	.....	.....	.....
	1909	1,774	.....	1	.....	1,702	71	.....	.....	.....
Jewelry	1914	8,778	832	520	3,260	3,786	360	20	.....	.....
	1909	9,511	573	53	167	7,500	1,218	.....	.....	.....
Liquors, malt	1914	511	411	.....	.....	.....	.....	.....	.....	100
	1909	450	.....	.....	449	.....	1	.....	.....	.....
Lumber and timber products	1914	779	198	58	277	149	97	.....	.....	.....
	1909	748	77	13	191	267	200	.....	.....	.....
Marble and stone work	1914	658	620	.....	9	7	22	.....	.....	.....
	1909	660	618	13	28	.....	1	.....	.....	.....
Printing and publishing	1914	1,515	1,158	196	121	19	21	.....	.....	.....
	1909	1,454	529	525	98	278	21	3	.....	.....
Rubber goods, not elsewhere specified	1914	1,541	.....	.....	744	756	41	.....	.....	.....
	1909	774	.....	34	3	647	90	.....	.....	.....
Silk goods, including throwsters	1914	2,325	.....	.....	2,247	78	.....	.....	.....	.....
	1909	1,685	.....	.....	.....	1,685	.....	.....	.....	.....
Woolen and worsted goods	1914	22,745	.....	.....	18,147	3,993	605	.....	.....	.....
	1909	24,924	2	95	284	22,748	1,795	.....	.....	.....
All other industries	1914	21,162	1,219	1,340	10,658	5,389	2,351	202	2	1
	1909	21,010	553	358	4,221	12,717	2,857	94	7	203
Total for cities	1914	93,642	5,382	2,600	59,109	22,475	3,729	225	21	101
Central Falls	1914	3,077	53	13	2,208	761	42	.....	.....	.....
Cranston	1914	2,218	371	.....	262	1,520	65	.....	.....	.....
Cumberland	1914	4,666	13	113	4,226	68	246	.....	.....	.....
East Providence	1914	1,906	218	6	688	32	962	.....	.....	.....
Lincoln	1914	2,602	1	1	2,479	89	32	.....	.....	.....
Newport	1914	893	162	37	581	52	38	21	2	.....
Pawtucket	1914	16,713	1,087	450	11,534	2,930	709	.....	3	.....
Providence	1914	44,176	3,005	1,935	23,019	14,589	1,308	204	16	100
Warwick	1914	6,439	26	10	5,843	324	235	.....	.....	1
Woonsocket	1914	10,952	446	35	8,269	2,110	92	.....	.....	.....

It appears from this table that the greatest number of wage earners in 1914—72,681, or more than half the total—were employed in establishments in which the prevailing hours were 54 per week, and that the next greatest number—26,013, or about one-fourth of the total—were reported by establishments whose prevailing hours were between 54 and 60. In 1909, however, the great majority—92,597, or more than 80 per cent of the total—were employed in establishments in which the prevailing hours were between 54 and 60, while only 7,001, or but little more than 6 per cent of the total, were reported by establishments in

the 54-hour group. In 1914, 8.3 per cent of the total number of wage earners were employed in establishments with prevailing hours fewer than 54, and only 0.3 per cent in establishments in which the prevailing hours were more than 60; the corresponding proportions were 3.7 per cent and three-tenths of 1 per cent, respectively, in 1909. In the foundry and machine-shop industry the great majority of the wage earners were employed between 54 and 60 hours weekly in both 1914 and 1909. In the cotton, hosiery, silk, and woolen and worsted industries, the greatest numbers in 1914 were reported by establishments in which the prevailing hours were 54 weekly, but in these industries the greatest numbers in 1909 were employed in the factories with prevailing hours between 54 and 60. For the cities taken as a group, the proportions of wage earners reported for the different groups do not differ greatly from those for the state as a whole. Six cities show no wage earners in establishments working more than 60 hours a week. For the 10 cities taken together, 8.5 per cent of the wage earners were reported by establishments whose prevailing hours were fewer than 54 a week, and for Providence the corresponding percentage is 11.2.

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

Table 12

	Census year.	Aggregate.	Cities having a population of 10,000 or over.								Districts outside of cities having a population of 10,000 or over.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places	1914	.....	10	.....	5	.....	4	.....	1	.....	.....	.....
	1910	.....	9	.....	4	.....	4	.....	1	.....	.....	.....
	1900	.....	8	.....	5	.....	2	.....	1	.....	.....	.....
Population	[1] 1914	591,215	489,690	82.8	87,302	14.8	157,298	26.6	245,090	41.5	101,525	17.2
	1910	542,610	437,627	80.7	69,776	12.9	143,525	26.5	224,326	41.3	104,983	19.3
	1900	428,556	330,437	77.1	87,405	20.4	67,435	15.7	175,597	41.0	98,119	22.9
Number of establishments	1914	2,190	1,907	87.1	161	7.4	539	24.6	1,207	55.1	283	12.9
	1909	1,951	1,656	84.9	126	6.5	450	23.1	1,080	55.4	295	15.1
	1899	1,678	1,358	80.9	134	8.0	295	17.6	929	55.4	320	19.1
Average number of wage earners	1914	113,425	93,642	82.6	14,469	12.8	34,997	30.9	44,176	38.9	19,783	17.4
	1909	113,538	91,142	80.3	11,586	10.2	33,175	29.2	46,381	40.9	22,396	19.7
	1899	88,197	66,718	75.6	10,047	11.4	18,303	20.8	38,368	43.5	21,479	24.4
Value of products	1914	$279,545,873	$233,345,503	83.5	$33,912,284	12.1	$84,098,088	30.1	$115,335,131	41.3	$46,200,370	16.5
	1909	280,343,797	226,191,505	80.7	28,068,350	10.0	77,882,571	27.8	120,240,584	42.9	54,152,292	19.3
	1899	165,550,382	131,529,623	79.4	18,856,038	11.4	34,016,482	20.5	78,657,103	47.5	34,020,759	20.6
Value added by manufacture	1914	117,120,654	99,719,841	85.1	14,010,555	12.0	34,344,110	29.3	51,365,176	43.9	17,400,813	14.9
	1909	122,152,223	101,209,421	82.9	12,122,100	9.9	33,616,782	27.5	55,470,539	45.4	20,942,802	17.1
	1899	77,598,602	61,111,305	78.8	8,134,338	10.5	16,870,528	21.7	36,106,439	46.5	16,487,297	21.2

[1] Census estimate of population for 1914.

For 1914, 83.5 per cent of the total value of products and 82.6 per cent of the average number of wage earners for the state were reported by cities having more than 10,000 inhabitants. These figures are slightly higher than the corresponding ones for the earlier census years shown, as might be expected in view of the fact that in 1914 the state had 10 cities of more than 10,000, as against 9 in 1910 and 8 in 1900.

The group of cities and towns having between 10,000 and 25,000 inhabitants consisted in 1914 of Central Falls, Cranston, Cumberland, East Providence, and Lincoln. Cumberland was first included in this group for 1909 and Lincoln for 1914. The cities having between 25,000 and 100,000 inhabitants in 1914 are Newport, Pawtucket, Warwick, and Woonsocket. Providence is the only city having a population of more than 100,000.

For all the cities combined and for the two groups of places having fewer than 100,000 inhabitants, there are shown increases between 1909 and 1914, not only in total value of products but also in the proportions which the values reported by these groups are of the total for the state; but for Providence, the only city of more than 100,000 inhabitants, there appear slight decreases in both respects.

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

Table 13

City.	Average number of wage earners.			Value of products.		
	1914	1909	1904	1914	1909	1904
Providence	44,176	46,381	39,804	$115,335,131	$120,240,584	$91,980,963
Pawtucket	16,713	15,275	12,054	42,028,728	37,696,186	25,846,899
Woonsocket	10,952	10,703	8,672	28,115,187	28,218,515	19,260,537
Warwick	6,439	6,471	6,153	11,655,597	10,588,943	7,051,971
Cumberland	4,666	5,359	4,574	7,972,387	9,826,720	5,965,027
East Providence	1,906	2,041	1,381	7,000,109	7,145,977	5,544,376
Central Falls	3,077	2,475	2,443	6,748,296	5,470,939	5,090,984
Cranston	2,218	1,711	587	6,706,138	5,624,714	1,638,881
Lincoln	2,602	.....	.....	5,485,354	.....	.....
Newport	893	726	849	2,298,576	1,378,927	1,347,104

For every city for which comparative figures for earlier censuses are given an increase in value of products appears for the ten-year period; but for the last five-year period four cities—Providence, Woonsocket, Cumberland, and East Providence—show decreases in value of products. The greatest absolute gain from 1909 to 1914, $4,332,542, was made by Pawtucket and was due partly to the increased production of its silk mills. The greatest relative gain, however, 66.7 per cent, appears for Newport and was in part the result of increased activity in shipbuilding and in the manufacture of confectionery. The greatest absolute decrease, $4,905,453, was reported for Providence, and may be accounted for in large measure by a lessened production of woolen and worsted goods and of foundry and machine-shop products. The greatest relative decrease, 18.9 per cent, is shown for Cumberland, and was caused by a decreased production of cotton goods. The totals presented for Newport do not include figures for the naval torpedo station in that city, operated by the Federal Government. In 1914 this plant employed an average of 588 wage earners and turned out products valued at $2,137,924, the corresponding figures for 1909 being 270 and $471,712, respectively.

Providence ranked twenty-second among the cities of the United States in value of all manufactured products in 1914, nineteenth in 1909, and seventeenth in 1904. More than one-fifth of the total value of the textile products of the state was reported from this city. All the establishments in the state which manufactured silverware and plated ware were located here as well as practically all those engaged in the manufacture of jewelry. Of the total value of foundry and machine-shop products manufactured in Rhode Island in 1914, Providence reported 57.8 per cent, and of those made in 1909, a considerably greater proportion, 70.3 per cent.

Pawtucket, Woonsocket, and Warwick still maintain their importance in the textile industries, which contributed 52.3, 74.7, and 76.7 per cent, respectively, of the total value of products reported by these places for 1914. Woolen mills lead in importance in Woonsocket, and cotton mills in Pawtucket and Warwick.

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

Table 14

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.						Value of products.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1914	1,109	713	368	113,425	10,512	94,826	8,087	9.3	83.6	7.1	$279,545,873	$23,460,462	$237,242,698	$18,842,713	8.4	84.9	6.7
	1909	955	659	337	113,538	8,888	95,794	8,856	7.8	84.4	7.8	280,343,797	18,425,145	243,426,998	18,491,654	6.6	86.8	6.6
	1904	754	512	351	97,318	8,858	76,803	11,657	9.1	78.9	12.0	202,109,583	18,576,416	158,322,601	25,210,566	9.2	78.3	12.5
Bread and other bakery products.	1914	167	12	25	1,112	475	398	239	42.7	35.8	21.5	4,016,959	1,673,559	1,542,613	800,787	41.7	38.4	19.9
	1909	147	12	28	1,055	448	388	219	42.5	36.8	20.8	3,936,864	1,622,156	1,427,329	887,379	41.2	36.3	22.5
Cotton goods, including cotton small wares.	1914	11	74	17	29,483	197	26,093	3,193	0.7	88.5	10.8	49,718,837	431,073	44,639,729	4,648,035	0.9	89.8	9.3
	1909	8	86	12	28,786	62	25,120	3,604	0.2	87.3	12.5	50,312,597	163,448	45,056,556	5,092,593	0.3	89.6	10.1
Foundry and machine-shop products.	1914	84	72	26	10,728	592	9,928	208	5.5	92.5	1.9	19,373,113	1,228,779	17,719,103	425,231	6.3	91.5	2.2
	1909	57	70	14	10,937	550	10,238	149	5.0	93.6	1.4	20,611,693	1,332,787	18,945,500	333,406	6.5	91.9	1.6
Hosiery and knit goods	1914	4	16	3	2,030	438	1,399	193	21.6	68.9	9.5	4,191,841	577,019	3,267,305	347,517	13.8	77.9	8.3
	1909	4	11	2	1,774	[1] 488	1,286	.....	[1] 27.5	72.5	.....	3,865,792	[1] 836,126	3,029,666	.....	[1] 21.6	78.4	.....
Jewelry	1914	97	115	79	8,778	1,472	5,421	1,885	16.8	61.8	21.5	21,522,251	2,607,971	14,651,977	4,262,303	12.1	68.1	19.8
	1909	132	91	73	9,511	2,367	5,018	2,126	24.9	52.8	22.4	20,685,100	3,303,671	13,259,724	4,121,705	16.0	64.1	19.9
Lumber and timber products.	1914	33	11	9	779	294	411	74	37.7	52.8	9.5	2,091,780	723,520	1,178,741	189,519	34.6	56.4	9.1
	1909	37	9	11	748	333	295	120	44.5	39.4	16.0	1,907,072	739,600	855,750	311,722	38.8	44.9	16.3
Marble and stone work	1914	32	6	8	658	109	388	161	16.6	59.0	24.5	955,160	212,531	503,015	239,614	22.3	52.7	25.1
	1909	31	4	11	660	93	361	206	14.1	54.7	31.2	1,033,431	168,301	560,338	304,792	16.3	54.2	29.5
Printing and publishing	1914	90	39	33	1,515	246	1,150	119	16.2	75.9	7.9	4,293,489	515,841	3,512,189	265,459	12.0	81.8	6.2
	1909	86	28	33	1,454	305	1,015	134	21.0	69.8	9.2	3,780,075	629,556	2,863,957	286,562	16.7	75.8	7.6
Woolen and worsted goods	1914	10	66	4	22,745	1,761	20,554	430	7.7	90.4	1.9	60,888,755	4,476,009	55,506,406	906,340	7.4	91.2	1.5
	1909	10	72	6	24,924	456	23,895	573	1.8	95.9	2.3	74,600,240	806,531	72,784,278	1,009,431	1.1	97.6	1.4
Total for cities	1914	961	615	331	93,642	8,082	78,539	7,021	8.6	83.9	7.5	233,345,503	17,402,607	199,021,136	16,921,760	7.5	85.3	7.3
Central Falls	1914	17	23	5	3,077	112	2,916	49	3.6	94.8	1.6	6,748,296	269,078	6,146,956	332,262	4.0	91.1	4.9
Cranston	1914	14	18	7	2,218	47	2,131	40	2.1	96.1	1.8	6,706,138	124,329	6,427,532	154,277	1.9	95.8	2.3
Cumberland	1914	9	13	2	4,666	[1] 33	4,633	.....	[1] 0.7	99.3	.....	7,972,387	[1] 100,041	7,872,346	.....	[1] 1.3	98.7	.....
East Providence	1914	19	15	4	1,906	609	1,286	11	32.0	67.5	0.6	7,000,109	1,124,516	5,830,658	44,935	16.1	83.3	0.6
Lincoln	1914	10	5	.....	2,602	1,474	1,128	.....	56.6	43.4	.....	5,485,354	2,546,818	2,938,536	.....	46.4	53.6	.....
Newport	1914	63	10	16	893	284	549	60	31.8	61.5	6.7	2,298,576	722,743	1,357,648	218,185	31.4	59.1	9.5
Pawtucket	1914	102	96	37	16,713	649	15,690	374	3.9	93.9	2.2	42,028,728	1,535,256	38,348,742	2,144,730	3.7	91.2	5.1
Providence	1914	613	367	227	44,176	4,091	36,318	3,767	9.3	82.2	8.5	115,335,131	9,033,277	96,336,767	9,965,087	7.8	83.5	8.6
Warwick	1914	34	15	9	6,439	195	3,671	2,573	3.0	57.0	40.0	11,655,597	683,764	7,342,657	3,629,176	5.9	63.0	31.1
Woonsocket	1914	80	53	24	10,952	588	10,217	147	5.4	93.3	1.3	28,115,187	1,262,785	26,419,294	433,108	4.5	94.0	1.5

[1] Includes the group "all others."

The distribution in this table is that among corporate, individual, and all other forms of organization. With "all others" are included "firms," the corporations being kept wholly separate. For all industries combined, 32. 6 per cent of the total number of establishments in 1914 were under corporate ownership, as against 33.8 per cent in 1909 and 31.7 per cent in 1904. The proportions of the total value of products reported by the corporations, however, were much greater—84.9 per cent in 1914, 86.8 in 1909, and 78.3 in 1904.

Of the industries covered separately by the table, the only one in which the individual form of organization reported the greatest value of output was bread and other bakery products. In this industry, as well as in cotton goods, marble and stone work, and woolen and worsted goods, the proportion reported by the individual form of organization was greater in 1914 than in 1909, the most marked increase in this respect being shown by the woolen and worsted industry.

In the 10 cities and towns, taken as a group, 85.3 per cent of the total value of products of manufacturing establishments in 1914 was reported by corporations. The largest percentage for any one city, 98.7, is shown for Cumberland, and the smallest, 53.6, for Lincoln. In Providence, the largest city, 83. 5 per cent of the total was reported by corporations.

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

Table 15

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
All classes	2,190	1,951	1,617	113,425	113,538	97,318	$279,545,873	$280,343,797	$202,109,583	$117,120,654	$122,152,223	$89,237,322
Less than $5,000	657	477	308	813	707	449	1,637,079	1,166,084	807,109	1,119,737	795,432	552,428
$5,000 to $20,000	645	579	523	3,310	3,244	2,955	6,514,767	5,891,800	5,392,825	3,910,731	3,510,241	3,277,555
$20,000 to $100,000	467	459	428	10,180	10,742	9,595	22,084,011	21,304,255	18,617,859	11,625,273	11,231,441	10,035,332
$100,000 to $1,000,000	349	367	317	47,865	49,719	50,490	112,959,317	116,696,453	97,235,874	48,382,007	52,043,520	43,774,550
$1,000,000 and over	72	69	41	51,257	49,126	33,829	136,350,699	135,285,205	80,055,916	52,082,906	54,571,589	31,597,457
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	30.0	24.4	19.0	0.7	0.6	0.5	0.6	0.4	0.4	1.0	0.7	0.6
$5,000 to $20,000	29.5	29.7	32.3	2.9	2.9	3.0	2.3	2.1	2.7	3.3	2.9	3.7
$20,000 to $100,000	21.3	23.5	26.5	9.0	9.5	9.9	7.9	7.6	9.2	9.9	9.2	11.2
$100,000 to $1,000,000	15.9	18.8	19.6	42.2	43.8	51.9	40.4	41.6	48.1	41.3	42.6	49.1
$1,000,000 and over	3.3	3.5	2.5	45.2	43.3	34.8	48.8	48.3	39.6	44.5	44.7	35.4

Although the percentage which the output of the corporations formed of the total, diminished somewhat between the last two census years, as shown by Table 14, the proportion reported by establishments with products valued at $1,000,000 and over, increased slightly during the same period. For 1904 the establishments with products valued at $100,000 to $1,000,000 reported a greater percentage, 48.1, of the total value of products than those in any of the other groups; but for both 1909 and 1914 those reporting $1,000,000 and over were far in the lead, with 48.3 per cent in the earlier year and 48.8 per cent in the later. The establishments with products valued at less than $100,000, taken as a group, reported 12.3 per cent of the total value for 1904, 10.1 per cent for 1909, and 10.8 per cent for 1914. In average number of wage earners these smaller establishments show a continued, though slight, proportional decrease, from 13.4 per cent of the total in 1904 to 13 per cent in 1909 and to 12.6 per cent in 1914.

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

For two of the leading industries—woolen and worsted goods and foundry and machine-shop products—the establishments with products valued at $1,000,000 and over, show decreases between 1909 and 1914 in number, average number of wage earners, value of products, and value added by manufacture. In the cotton industry, on the other hand, the establishments in this class show increases in all respects, except value added by manufacture.

Of the establishments reporting products valued at less than $5,000, those in the bread and other bakery and foundry and machine-shop industries show increases in number, average number of wage earners, value of products, and value added by manufacture, while the printing and publishing industry shows increases in all these particulars, except wage earners. Although the number of establishments in this group manufacturing cotton goods remained the same, their value of products and value added by manufacture decreased considerably. There were four of these small establishments in the woolen and worsted industry in 1909, but none was reported for 1914.

It should be borne in mind that a material increase or decrease in the value of products reported by any industry might affect the per cent distribution shown

in the table, even though the proportional increase or decrease in the output of each establishment was substantially the same as that in the output of the industry as a whole. For example, the output of an entire industry and of each establishment within that industry might increase by substantially 10 per cent during the five-year period. This being the case, an establishment which in 1909 turned out products valued at a trifle less than $1,000,000 would, for 1914, report products valued at more than $1,000,000, and therefore the proportion reported for the group comprising the largest establishments would be greater in the later year than in the earlier. Conversely, a uniform decrease in the output of all establishments in an industry would tend to reduce the proportion for the group comprising the largest establishments.

Table 16

Industry and value of product.	Number of establishments.				Average number of wage earners.				Value of products.				Value added by manufacture.			
	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909
Bread and other bakery products	204	187	100.0	100.0	1,112	1,055	100.0	100.0	$4,016,959	$3,936,864	100.0	100.0	$1,691,189	$1,466,306	100.0	100.0
Less than $5,000	63	47	30.9	25.1	52	36	4.7	3.4	210,333	151,596	5.2	3.9	98,386	60,147	5.8	4.1
$5,000 to $20,000	99	100	48.5	53.5	297	293	26.7	27.8	975,627	1,000,645	24.3	25.4	415,701	393,871	24.6	26.9
$20,000 to $100,000	36	33	17.6	17.6	408	395	36.7	37.4	1,412,387	1,478,007	35.2	37.5	544,137	521,732	32.2	35.6
$100,000 to $1,000,000	6	7	2.9	3.7	355	331	31.9	31.4	1,418,612	1,306,616	35.3	33.2	632,965	490,556	37.4	33.5
Cotton goods, including cotton small wares	102	106	100.0	100.0	29,483	28,786	100.0	100.0	49,718,837	50,312,597	100.0	100.0	20,962,528	24,911,358	100.0	100.0
Less than $5,000	3	3	2.9	2.8	6	5	(1)	(1)	5,238	8,900	(1)	(1)	3,189	5,413	(1)	(1)
$5,000 to $20,000	9	4	8.8	3.8	51	52	0.2	0.2	96,418	52,851	0.2	0.1	42,358	31,387	0.2	0.1
$20,000 to $100,000	21	27	20.6	25.5	701	970	2.4	3.4	1,260,272	1,464,968	2.5	2.9	520,249	622,177	2.5	2.5
$100,000 to $1,000,000	54	58	52.9	54.7	12,905	15,294	43.8	53.1	21,746,493	25,640,252	43.7	51.0	8,976,478	12,531,368	42.8	50.3
$1,000,000 and over	15	14	14.7	13.2	15,820	12,465	53.7	43.3	26,610,416	23,145,626	53.5	46.0	11,420,254	11,721,013	54.5	47.1
Foundry and machine-shop products	182	141	100.0	100.0	10,728	10,937	100.0	100.0	19,373,113	20,611,693	100.0	100.0	12,263,131	12,598,192	100.0	100.0
Less than $5,000	42	17	23.1	12.1	63	20	0.6	0.2	113,714	40,866	0.6	0.2	85,372	31,279	0.7	0.2
$5,000 to $20,000	66	47	36.3	33.3	372	261	3.5	2.4	680,063	478,459	3.5	2.3	457,443	323,116	3.7	2.6
$20,000 to $100,000	45	43	24.7	30.5	1,097	1,036	10.2	9.5	2,202,444	2,062,782	11.4	10.0	1,379,196	1,209,731	11.2	9.6
$100,000 to $1,000,000	26	30	14.3	21.3	4,800	4,808	44.7	44.0	8,915,127	9,417,048	46.0	45.7	5,703,816	5,579,126	46.5	44.3
$1,000,000 and over	3	4	1.6	2.8	4,396	4,812	41.0	44.0	7,461,765	8,612,538	38.5	41.8	4,637,304	5,454,940	37.8	43.3
Jewelry	291	296	100.0	100.0	8,778	9,511	100.0	100.0	21,522,251	20,685,100	100.0	100.0	10,313,204	10,897,063	100.0	100.0
Less than $5,000	47	58	16.2	19.6	72	234	0.8	2.5	104,773	132,701	0.5	0.6	77,332	109,090	0.7	1.0
$5,000 to $20,000	70	66	24.1	22.3	478	602	5.4	6.3	769,289	681,340	3.6	3.3	519,391	480,447	5.0	4.4
$20,000 to $100,000	116	108	39.9	36.5	3,032	3,225	34.5	33.9	5,988,396	5,354,684	27.8	25.9	3,449,277	3,313,363	33.4	30.4
$100,000 and over [2]	58	64	19.9	21.6	5,196	5,450	59.2	57.3	14,659,793	14,516,375	68.1	70.2	6,267,204	6,994,163	60.8	64.2
Printing and publishing	162	147	100.0	100.0	1,515	1,454	100.0	100.0	4,293,489	3,780,075	100.0	100.0	3,131,697	2,716,400	100.0	100.0
Less than $5,000	80	71	49.4	48.3	68	78	4.5	5.4	174,759	170,498	4.1	4.5	136,435	134,733	4.4	5.0
$5,000 to $20,000	45	45	27.8	30.6	193	218	12.7	15.0	365,020	403,562	8.5	10.7	267,359	303,444	8.5	11.2
$20,000 to $100,000	30	23	18.5	15.6	493	377	32.5	25.9	1,152,318	906,869	26.8	24.0	848,298	677,176	27.1	24.9
$100,000 and over [2]	7	8	4.3	5.4	761	781	50.2	53.7	2,601,392	2,299,146	60.6	60.8	1,879,605	1,601,047	60.0	58.9
Woolen and worsted goods	80	88	100,0	100.0	22,745	24,924	100.0	100.0	60,888,755	74,600,240	100.0	100.0	19,153,956	23,574,864	100.0	100.0
Less than $5,000	.....	4	.....	4.5	.....	8	.....	(1)	.....	13,690	.....	(1)	.....	9,292	.....	(1)
$5,000 to $100,000 [3]	14	12	17.5	13.6	549	375	2.4	1.5	682,709	521,973	1.1	0.7	373,140	238,787	1.9	1.0
$100,000 to $1,000,000	46	49	57.5	55.7	7,860	7,651	34.6	30.7	21,143,714	21,505,311	34.7	28.8	6,568,640	6,467,645	34.3	27.4
$1,000,000 and over	20	23	25.0	26.1	14,336	16,890	63.0	67.8	39,062,332	52,559,266	64.2	70.5	12,212,176	16,859,140	63.8	71.5

[1] Less than one-tenth of 1 per cent. [2] Includes the group "$1,000,000 and over." [3] Includes the group "$5,000 to $20,000."

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

It is impossible to show for every city the group of establishments reporting products valued at $1,000,000 and over without disclosing the operations of individual establishments; but among the four cities for which this group is given the largest percentages of total value of products reported for it are shown by Pawtucket and Woonsocket—52.4 per cent for each city. Providence, of course, leads in absolute numbers and values. The greatest proportion of value of products—3.2 per cent—for the group of smallest establishments was reported by Newport.

Table 17

City and value of product.	Number of establishments.	Wage earners. Average number.	Wage earners. Per cent of total.	Value of products. Amount.	Value of products. Per cent of total.	Value added by manufacture. Amount.	Value added by manufacture. Per cent of total.
CENTRAL FALLS	45	3,077	100.0	$6,748,296	100.0	$2,964,490	100.0
Less than $5,000	8	9	0.3	22,454	0.3	13,731	0.5
$5,000 to $20,000	9	95	3.1	123,055	1.8	49,314	1.7
$20,000 to $100,000	13	243	7.9	668,609	9.9	308,418	10.4
$100,000 and over [1]	15	2,730	88.7	5,934,178	87.9	2,593,027	87.5
CRANSTON	39	2,218	100.0	6,706,138	100.0	2,935,725	100.0
Less than $5,000	11	14	0.6	21,312	0.3	15,525	0.5
$5,000 to $20,000	8	29	1.3	69,426	1.0	39,504	1.3
$20,000 to $100,000	7	76	3.4	291,031	4.3	89,787	3.1
$100,000 and over [1]	13	2,099	94.6	6,324,369	94.3	2,790,909	95.1
CUMBERLAND	24	4,666	100.0	7,972,387	100.0	3,513,000	100.0
Less than $5,000	8	9	0.2	17,616	0.2	10,653	0.3
$5,000 to $20,000	4	19	0.4	65,623	0.8	25,838	0.7
$20,000 to $100,000	5	152	3.3	278,972	3.5	124,546	3.5
$100,000 and over [1]	7	4,486	96.1	7,610,176	95.5	3,351,963	95.4
EAST PROVIDENCE	38	1,906	100.0	7,000,109	100.0	2,092,414	100.0
Less than $5,000	13	12	0.6	27,828	0.4	19,489	0.9
$5,000 to $20,000	15	51	2.7	146,271	2.1	77,828	3.7
$20,000 to $100,000	3	105	5.5	162,320	2.3	93,759	4.5
$100,000 and over [1]	7	1,738	91.2	6,663,690	95.2	1,901,338	90.9
LINCOLN	15	2,602	100.0	5,485,354	100.0	2,504,926	100.0
Less than $5,000	3	2	0.1	4,308	0.1	2,688	0.1
$5,000 to $100,000 [2]	6	44	1.7	79,711	1.5	35,005	1.4
$100,000 and over [1]	6	2,556	98.2	5,401,335	98.5	2,467,233	98.5
NEWPORT	89	893	100.0	2,298,576	100.0	1,438,404	100.0
Less than $5,000	28	35	3.9	72,457	3.2	50,871	3.5
$5,000 to $20,000	40	164	18.4	366,589	15.9	243,476	16.9
$20,000 to $100,000	18	208	23.3	647,565	28.2	326,220	22.7
$100,000 to $1,000,000	3	486	54.4	1,211,965	52.7	817,837	56.9
PAWTUCKET	235	16,713	100.0	42,028,728	100.0	17,124,822	100.0
Less than $5,000	47	56	0.3	121,560	0.3	80,092	0.5
$5,000 to $20,000	78	378	2.3	796,751	1.9	439,841	2.6
$20,000 to $100,000	53	1,171	7.0	2,394,204	5.7	1,160,560	6.8
$100,000 to $1,000,000	47	7,765	46.5	16,698,491	39.7	8,219,823	48.0
$1,000,000 and over	10	7,343	43.9	22,017,722	52.4	7,224,506	42.2
PROVIDENCE	1,207	44,176	100.0	115,335,131	100.0	51,365,176	100.0
Less than $5,000	391	515	1.2	968,525	0.8	697,314	1.4
$5,000 to $20,000	348	1,893	4.3	3,556,494	3.1	2,273,262	4.4
$20,000 to $100,000	281	6,367	14.4	13,528,288	11.7	7,552,285	14.7
$100,000 to $1,000,000	161	15,257	34.5	44,604,748	38.7	18,835,048	36.7
$1,000,000 and over	26	20,144	45.6	52,677,076	45.7	22,007,267	42.8
WARWICK	58	6,439	100.0	11,655,597	100.0	4,722,102	100.0
Less than $5,000	15	8	0.1	35,639	0.3	19,356	0.4
$5,000 to $20,000	13	57	0.9	131,515	1.1	66,859	1.4
$20,000 to $100,000	9	167	2.6	335,622	2.9	185,904	3.9
$100,000 to $1,000,000	17	3,175	49.3	5,715,533	49.0	2,115,352	44.8
$1,000,000 and over	4	3,032	47.1	5,437,288	46.6	2,334,631	49.4
WOONSOCKET	157	10,952	100.0	28,115,187	100.0	11,058,782	100.0
Less than $5,000	45	50	0.5	105,096	0.4	67,676	0.6
$5,000 to $20,000	47	208	1.9	462,159	1.6	262,680	2.4
$20,000 to $100,000	33	729	6.7	1,717,283	6.1	807,964	7.3
$100,000 to $1,000,000	24	5,032	45.9	11,097,530	39.5	4,216,757	38.1
$1,000,000 and over	8	4,933	45.0	14,733,119	52.4	5,703,705	51.6

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

[2] Includes the group "$20,000 to $100,000."

Table 18 shows the size of establishments in 1914 as measured by the number of wage earners employed. The figures given are for all industries combined, for 15 of the more important industries, and for each of the 10 cities having more than 10,000 inhabitants. Table 19 presents, for 1914, percentages based on the figures in Table 18, and for 1909 similar percentages for all industries combined and for individual industries in the state as a whole.

Tables 18 and 19 show the extent to which establishments of various sizes, as measured by the average number of wage earners, are engaged in the different industries of the state. Considering the total for all industries, there were 198 establishments in operation during 1914 in which no wage earners were employed. These are small establishments in which the work is done by the proprietors or firm members. In some cases they employ a few wage earners for short periods, but the number is so small and the period so short that in computing the average number, as described in the "Explanation of terms," no wage earners could be shown for the establishment. Bakeries and printing and publishing establishments are the industries in which the largest number of these small establishments were reported.

The comparatively small establishments still predominate in the majority of the industries of the state. Of the 2,190 establishments reported for all industries, 1,410, or 64.4 per cent, employed on the average less than 20 wage earners during the year. On the other hand, while these small establishments predominate in number, they gave employment to only 7,392 wage earners, or 6.5 per cent of the total for all establishments. There were only 228 establishments in the state that reported the employment of more than 100 wage earners each, but these establishments gave employment to 88,978, or 78.4 per cent of the total average number of wage earners reported for all establishments. These large establishments are shown especially for the manufacture of textiles, foundry and machine-shop products, and rubber goods, not elsewhere specified.

Among the cities the highest percentages of the total number of wage earners reported by establishments employing more than 100 wage earners each are shown for Cumberland, 96.2, and Lincoln, 95.3.

Table 18

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—						
			No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.	
	Establishments.	Wage earners. (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	2,190	113,425	198	956	2,387	454	5,005	221	7,412
Bread and other bakery products	204	1,112	17	141	308	38	376	5	169
Copper, tin, and sheet-iron products	62	549	3	37	105	15	170	6	158
Cotton goods, including cotton small wares	102	29,483	1	10	35	10	115	11	450
Dyeing and finishing textiles	47	7,928	.....	5	20	10	135	7	233
Electrical machinery, apparatus, and supplies	13	1,581	1	2	5	2	18	4	117
Foundry and machine-shop products	182	10,728	7	75	205	52	543	20	705
Hosiery and knit goods	23	2,030	.....	5	15	5	63	.....	.....
Jewelry	291	8,778	10	81	258	75	939	77	2,484
Liquors, malt	8	511	1	1	1	.....	.....	2	73
Lumber and timber products	53	779	1	20	43	19	188	10	323
Marble and stone work	46	658	6	28	64	6	86	2	67
Printing and publishing	162	1,515	42	75	181	31	385	8	235
Rubber goods, not elsewhere specified	6	1,541	.....	.....	.....	.....	.....	2	71
Silk goods, including throwsters	12	2,325	.....	3	5	2	32	1	21
Woolen and worsted goods	80	22,745	.....	.....	.....	4	42	7	272
All other industries	899	21,162	109	473	1,142	185	1,913	59	2,034
Total for cities	1,907	93,642	174	828	2,099	411	4,542	204	6,758
CENTRAL FALLS	45	3,077	2	9	19	15	166	6	225
CRANSTON	39	2,218	3	19	50	3	48	5	181
CUMBERLAND	24	4,666	1	11	20	2	22	2	86
EAST PROVIDENCE	38	1,906	3	25	62	1	20	3	106
LINCOLN	15	2,602	1	6	9	1	10	1	26
NEWPORT	89	893	4	58	136	22	218	3	95
PAWTUCKET	235	16,713	18	87	228	55	576	23	734
PROVIDENCE	1,207	44,176	125	525	1,380	270	3,052	143	4,693
WARWICK	58	6,439	8	15	29	11	105	6	163
WOONSOCKET	157	10,952	9	73	166	31	325	12	449

Table 18—Continued.

INDUSTRY AND CITY.	ESTABLISHMENTS EMPLOYING—									
	51 to 100 wage earners.		101 to 250 wage earners.		251 to 500 wage earners.		501 to 1,000 wage earners.		Over 1,000 wage earners.	
	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	133	9,643	113	18,629	72	25,802	27	18,537	16	26,010
Bread and other bakery products	3	259	.....	.....	.....	.....	.....	.....	.....	.....
Copper, tin, and sheet-iron products	.....	.....	1	116	.....	.....	.....	.....	.....	.....
Cotton goods, including cotton small wares	15	1,068	15	2,733	24	8,620	9	6,238	7	10,224
Dyeing and finishing textiles	4	306	10	1,694	5	1,726	6	3,814	.....	.....
Electrical machinery, apparatus, and supplies	.....	.....	1	225	2	681	1	535	.....	.....
Foundry and machine-shop products	11	742	7	1,333	9	3,436	.....	.....	1	3,764
Hosiery and knit goods	4	268	8	1,380	1	304	.....	.....	.....	.....
Jewelry	32	2,245	14	1,906	1	297	1	649	.....	.....
Liquors, malt	3	241	1	196	.....	.....	.....	.....	.....	.....
Lumber and timber products	2	117	1	108	.....	.....	.....	.....	.....	.....
Marble and stone work	2	173	2	268	.....	.....	.....	.....	.....	.....
Printing and publishing	4	331	2	383	.....	.....	.....	.....	.....	.....
Rubber goods, not elsewhere specified	2	165	.....	.....	.....	.....	2	1,305	.....	.....
Silk goods, including throwsters	2	132	.....	.....	2	568	2	1,567	.....	.....
Woolen and worsted goods	16	1,267	27	4,812	18	6,759	3	2,311	5	7,282
All other industries	33	2,329	24	3,475	10	3,411	3	2,118	3	4,740
Total for cities	112	8,004	83	13,573	59	20,782	22	14,946	14	22,938
CENTRAL FALLS	6	409	4	750	2	856	1	652	.....	.....
CRANSTON	3	265	2	316	4	1,358	.....	.....	.....	.....
CUMBERLAND	1	52	3	500	2	731	.....	.....	2	3,255
EAST PROVIDENCE	1	83	3	525	.....	.....	2	1,110	.....	.....
LINCOLN	1	78	1	141	1	390	3	1,948	.....	.....
NEWPORT	1	83	.....	.....	1	361	.....	.....	.....	.....
PAWTUCKET	17	1,174	15	2,184	13	4,648	4	2,898	3	4,271
PROVIDENCE	72	5,097	42	6,904	16	5,404	7	5,015	7	12,631
WARWICK	4	334	4	840	7	2,311	2	1,578	1	1,079
WOONSOCKET	6	429	9	1,413	13	4,723	3	1,745	1	1,702

Table 19

INDUSTRY AND CITY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.							
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
All industries	1914	2.1	4.4	6.5	8.5	16.4	22.8	16.3	22.9
	1909	1.7	4.5	6.4	8.9	17.2	22.7	16.6	21.9
Bread and other bakery products.	1914	27.7	33.8	15.2	23.3	.....	.....	.....	.....
	1909	26.1	38.8	19.8	5.3	10.0	.....	.....	.....
Copper, tin, and sheet-iron products.	1914	19.1	31.0	28.8	.....	21.1	.....	.....	.....
	1909	17.8	26.8	32.4	23.1	.....	.....	.....	.....
Cotton goods, including cotton small wares.	1914	0.1	0.4	1.5	3.6	9.3	29.2	21.2	34.7
	1909	(1)	0.5	1.7	3.8	12.1	30.9	26.8	24.2
Dyeing and finishing textiles	1914	0.3	1.7	2.9	3.9	21.4	21.8	48.1	.....
	1909	0.3	1.9	2.7	4.4	19.4	31.6	26.1	13.5
Electrical machinery, apparatus, and supplies.	1914	0.3	1.1	7.4	.....	14.2	43.1	33.8	.....
	1909	0.6	0.4	3.3	.....	31.2	18.6	45.8	.....
Foundry and machine-shop products.	1914	1.9	5.1	6.6	6.9	12.4	32.0	.....	35.1
	1909	1.1	3.4	6.2	11.3	11.3	25.6	10.3	30.8
Hosiery and knit goods	1914	0.7	3.1	.....	13.2	68.0	15.0	.....	.....
	1909	0.1	1.8	5.4	10.8	49.3	32.6	.....	.....
Jewelry	1914	2.9	10.7	28.3	25.6	21.7	3.4	7.4	.....
	1909	2.1	11.2	25.4	28.6	27.3	.....	5.4	.....
Liquors, malt	1914	0.2	.....	14.3	47.2	38.4	.....	.....	.....
	1909	0.2	2.7	26.2	31.8	39.1	.....	.....	.....
Lumber and timber products	1914	5.5	24.1	41.5	15.0	13.9	.....	.....	.....
	1909	10.6	22.1	40.0	27.4	.....	.....	.....	.....
Marble and stone work	1914	9.7	13.1	10.2	26.3	40.7	.....	.....	.....
	1909	9.2	18.5	3.3	.....	68.9	.....	.....	.....
Printing and publishing	1914	11.9	25.4	15.5	21.8	25.3	.....	.....	.....
	1909	12.4	26.2	14.5	9.5	37.4	.....	.....	.....
Rubber goods, not elsewhere specified.	1914	.....	.....	4.6	10.7	.....	.....	84.7	.....
	1909	0.4	.....	9.4	11.6	.....	.....	78.6	.....
Silk goods, including throwsters.	1914	0.2	1.4	0.9	5.7	.....	24.4	67.4	.....
	1909	.....	2.7	2.7	16.9	.....	77.7	.....	.....
Woolen and worsted goods	1914	.....	0.2	1.2	5.6	21.2	29.7	10.2	32.0
	1909	(1)	0.3	1.2	4.7	19.1	21.9	21.2	31.5
All other industries	1914	5.4	9.0	9.6	11.0	16.4	16.1	10.0	22.4
	1909	4.2	9.8	8.9	11.4	15.6	19.1	4.1	26.9
Total for cities	1914	2.2	4.9	7.2	8.5	14.5	22.2	16.0	24.5
CENTRAL FALLS	1914	0.6	5.4	7.3	13.3	24.4	27.8	21.2	.....
CRANSTON	1914	2.3	2.2	8.2	11.9	14.2	61.2	.....	.....
CUMBERLAND	1914	0.4	0.5	1.8	1.1	10.7	15.7	.....	69.8
EAST PROVIDENCE	1914	3.3	1.0	5.6	4.4	27.5	.....	58.2	.....
LINCOLN	1914	0.3	0.4	1.0	3.0	5.4	15.0	74.9	.....
NEWPORT	1914	15.2	24.4	10.6	9.3	.....	40.4	.....	.....
PAWTUCKET	1914	1.4	3.4	4.4	7.0	13.1	27.8	17.3	25.6
PROVIDENCE	1914	3.1	6.9	10.6	11.5	15.6	12.2	11.4	28.6
WARWICK	1914	0.5	1.6	2.5	5.2	13.0	35.9	24.5	16.8
WOONSOCKET	1914	1.5	3.0	4.1	3.9	12.9	43.1	15.9	15.5

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

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

Table 20

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total	6,310	3,674	1,463	269,854	226,740	182,608	100.0	100.0	100.0
Owned	1,481	1,500	1,463	235,312	210,049	172,829	87.2	92.6	94.6
Steam engines and turbines[1]	1,099	1,104	1,095	199,170	175,332	142,351	73.8	77.3	78.0
Internal-combustion engines	114	100	63	2,493	3,300	1,247	0.9	1.5	0.7
Water wheels, turbines, and motors	268	296	305	33,649	31,417	29,231	12.5	13.9	16.0
Rented	4,829	2,174	(2)	34,542	16,691	9,779	12.8	7.4	5.4
Electric	4,829	2,174	(2)	31,572	13,697	6,119	11.7	6.0	3.4
Other	.....	.....	.....	2,970	2,994	3,660	1.1	1.3	2.0
Electric	10,251	3,964	.....	91,224	42,130	15,811	100.0	100.0	100.0
Rented	4,829	2,174	(2)	31,572	13,697	6,119	34.6	32.5	38.7
Generated by establishments reporting	5,422	1,790	570	59,652	28,433	9,692	65.4	67.5	61.3

[1] Figures for horsepower include for 1909 and 1904 the amounts reported under the head of "other" owned power.

[2] Not reported.

Although the horsepower of steam engines and turbines increased during the five-year period 1909–1914 by 13.6 per cent, and during the ten-year period 1904–1914 by 39.9 per cent, the proportion which this class of power formed of the total decreasedfrom 78 per cent in 1904 to 77.3 per cent in 1909 and to 73.8 per cent in 1914. The number of these engines remained nearly the same from census to census. The horsepower of internal-combustion engines increased greatly between 1904 and 1909, but decreased during the following five years. Their number, however, increased from census to census. The power of water wheels, turbines, and motors increased during each five-year period, but their number and the proportion which they represented of the total power decreased.

The decreases in the relative importance of the three classes of owned power are accounted for largely by the rapid increase in rented electric power, which contributed 3.4 per cent of the total in 1904, 6 per cent in 1909, and 11.7 per cent in 1914. The increase in the power of motors run by current generated in the same establishments has also been very great. The total horsepower of electric motors in use was nearly six times as great in 1914 as in 1904.

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

Table 21

INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 lbs.).	COAL. Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
All industries	139,666	1,056,045	17,634	163,240	113,335
Bread and other bakery products	3,379	4,271	4,411	5	4,281
Cotton goods, including cotton small wares	20,116	235,174	1,031	320	854
Dyeing and finishing textiles	55,906	198,251	.....	18,790	8,832
Electrical machinery, apparatus, and supplies	6,612	12,189	54	4,207	19,426
Foundry and machine-shop products	8,355	38,805	8,615	6,286	19,860
Gas, illuminating and heating	11,646	109,341	.....	110,872	.....
Gold and silver, reducing and refining, not from the ore	18	1,045	360	.....	1,009
Hosiery and knit goods	.....	6,521	.....	29	104
Iron and steel, steel works and rolling mills	20	25,246	102	1,707	.....
Iron and steel, bolts, nuts, washers, and rivets	685	3,126	773	1,512	492
Jewelry	966	5,534	81	1,026	26,406
Liquors, malt	1,785	27,891	21	.....	124
Printing and publishing	1,663	2,669	20	16	7,494
Rubber goods, not elsewhere specified	40	18,724	.....	38	2,285
Silk goods, including throwsters	815	9,512	.....	.....	.....
Woolen and worsted goods	9,906	225,938	118	.....	.....
All other industries	17,754	131,808	2,048	18,432	22,168
Total for cities	135,148	836,214	16,550	145,508	111,320
CENTRAL FALLS	5,289	12,453	205	.....	18,170
CRANSTON	2,329	36,265	1,845	18	4,114
CUMBERLAND	40	44,181	28	423	459
EAST PROVIDENCE	14,675	53,191	400	1,224	154
LINCOLN	40,833	34,452	.....	2,045	.....
NEWPORT	631	12,048	523	4,159	4,301
PAWTUCKET	22,449	132,983	1,373	38,547	9,012
PROVIDENCE	42,049	349,293	9,918	98,330	73,846
WARWICK	1,131	78,245	1,020	105	.....
WOONSOCKET	5,722	83,103	1,238	657	1,264

SPECIAL STATISTICS.

By means of special schedules the Census Bureau collects detailed data regarding the quantities and cost of materials, the quantities and values of products, and the numbers and classes of machines used in manufacturing. Statistics of this character are here presented for five important industries. Data are also given for power laundries.

Textiles.—The number and kind of the principal machines used in the textile industries, considered separately and as a group, are given in Table 22.

Table 22

MACHINE.	Census year.	Total.	Cotton goods, including cotton small wares.	Woolen and worsted goods.	Hosiery and knit goods.	Silk goods, including throwsters.
Producing spindles	1914	2,927,949	2,400,916	504,213	4,040	18,780
	1909	2,831,816	2,363,689	459,127	1,280	7,720
	1904	2,489,016	2,085,802	379,374	4,364	19,476
Looms	1914	66,972	53,676	10,251	.....	3,045
	1909	81,093	69,330	9,252	.....	2,511
	1904	63,830	54,021	8,103	.....	1,706
Knitting machines	1914	1,864	.....	.....	1,864	.....
	1909	1,669	.....	.....	1,669	.....
	1904	1,170	.....	.....	1,170	.....
Woolen cards (sets)	1914	218	.....	205	13	.....
	1909	309	.....	305	4	.....
	1904	367	.....	360	7	.....
Combing machines	1914	522	.....	522	.....	.....
	1909	461	.....	461	.....	.....
	1904	294	.....	291	3	.....

The total number of producing spindles shows an increase of 96,133, or 3.4 per cent, from 1909 to 1914; the number of knitting machines, an increase of 195, or 11.7 per cent; and the number of combing machines, an increase of 61, or 13.2 per cent. On the other hand, the number of looms decreased, by 14,121, or 17.4 per cent; and the sets of cards, by 91, or 29.4 per cent.

Although the cotton mills reported nearly five times as many spindles in 1914 as the woolen and worsted mills, the increase during the period 1909–1914 in the latter—45,086, or 9.8 per cent—was much greater than in the former, in which it was 37,227, or 1.6 per cent. The knitting mills and the silk mills also showed marked increases, which nearly offset their losses during the preceding five-year period.

In addition to the number of cotton spindles reported in connection with the census of manufactures, statistics of the number employed in all branches of the textile industry are reported monthly to the Census Bureau. The total number of cotton spindles in the state of Rhode Island in 1914, as compiled from these monthly reports, was 2,574,942, and of these, 2,512,702 were active sometime during the year ending August 31.

The number of looms used in the cotton mills decreased by 15,654, or 22.6 per cent, between 1909 and 1914; but the number used in the woolen and worsted mills showed an increase of 999, or 10.8 per cent, and in the silk mills an increase of 534, or 21.3 per cent.

Woolen and worsted goods.—Establishments engaged primarily in the manufacture of worsted goods reported products to the value of $56,914,988 in 1914, as compared with $44,477,596 in 1904, while the products of those making woolen goods amounted to $3,973,767 in 1914 and $8,163,167 in 1904. Because of the similarity of materials and products these two industries are combined in the report. The worsted goods industry ranks first in 1914 among the manufacturing industries of the state in cost of materials and in value of products.

The quantity and cost of the materials reported for this industry, for 1914, 1909, and 1904, by kinds, are given in Table 23.

Both foreign and domestic wool show decreases in quantity and cost between 1909 and 1914, but for the former there were marked increases in both respects during the ten-year period 1904–1914, taken as a whole. For foreign wool the decreases in quantity and cost during the later five-year period amounted to 8.1 per cent and 28.4 per cent, respectively; and for domestic wool, to 25.4 per cent and 34.2 per cent, respectively.

Of the total wool consumption in 1914, that of domestic origin represented 69.2 per cent of the quantity and 66.1 per cent of the cost, the corresponding percentages for 1909 being 73.5 and 67.9, respectively.

The consumption of raw cotton between 1909 and 1914 increased 66.6 per cent in quantity and 46.2 per cent in cost, but that of purchased cotton yarns decreased during the same period 56.8 per cent in quantity and 48.7 per cent in cost. The consumption of the latter, however, is still much greater than that of the former.

Table 23	1914	1909	1904
Materials, total cost	$41,734,799	$51,025,376	$35,936,232
Wool:			
Foreign (in condition purchased)—			
Pounds	19,274,628	20,973,869	9,293,080
Cost	$5,227,316	$7,300,286	$3,103,045
Domestic (in condition purchased)—			
Pounds	43,352,801	58,108,445	56,776,005
Cost	$10,185,240	$15,468,437	$13,804,403
Cotton:			
Pounds	964,914	579,139	1,847,509
Cost	$141,648	$96,882	$290,491
Recovered wool fiber:			
Pounds	1,720,113	1,546,464	4,273,269
Cost	$269,621	$259,829	$631,450
Wool or other waste and noils:			
Pounds	2,075,203	2,578,085	3,160,612
Cost	$471,491	$839,389	$380,816
Tops, purchased:			
Pounds	10,221,069	10,406,834	4,150,072
Cost	$6,516,989	$7,887,543	$2,455,639
Yarns, purchased:			
Woolen—			
Pounds	117,991	273,926	1,233,801
Cost	$77,572	$143,015	$715,529
Worsted—			
Pounds	14,907,573	13,403,194	10,382,578
Cost	$11,422,456	$11,987,111	$8,069,611
Cotton—			
Pounds	2,369,712	5,479,701	5,596,723
Cost	$784,833	$1,530,130	$1,391,592
Silk—			
Pounds	72,537	27,191	80,339
Cost	$357,430	$150,824	$342,337
Spun silk—			
Pounds	38,025	18,376	57,119
Cost	$173,149	$71,649	$231,227
Chemicals and dyestuffs, cost	$1,178,516	$1,536,824	$1,108,222
Fuel and rent of power, cost	$1,010,906	$906,926	$740,476
All other materials, cost	$3,917,632	$2,846,531	$2,171,394

Table 24 gives statistics as to quantity and value of the several classes of products for the last three census years.

The quantity of all-wool woven goods reported, both woolen and worsted, amounted to 46,713,932 square yards in 1914, as against 53,661,591 in 1909 and 43,831,236 in 1904. The production in 1914, therefore, represented a decrease of 6,947,659 square yards during the later five-year period, although it exceeded the production of 1904 by 2,882,696 square yards. The decrease during the later five-year period was due entirely to the falling off in the production of worsted coatings, overcoatings, and dress goods; the production of woolen coatings, overcoatings, and dress goods increased in quantity by 268,089 square yards, although it shows a slight decrease in value.

The production of goods woven on cotton warps decreased in both quantity and value between 1909 and 1914; for worsted-filling coatings, dress goods, etc., the decline in quantity was from 15,641,716 square yards in the earlier year to 9,545,888 square yards in the later, or nearly 40 per cent, and the decline in value was from $7,305,686 to $3,251,084, or considerably more than one-half. Figures for wool-filling coatings, dress goods, etc., can not be given without disclosing individual operations and are, therefore, included in "all other" cotton-warp woven goods.

Table 24	1914	1909	1904
Products, total value	$60,888,755	$74,600,240	$52,640,763
All-wool woven goods, whether woolen or worsted:			
Woolen cloth, for men's wear—			
Square yards	5,163,182	4,716,866	4,555,010
Value	$3,106,099	$3,436,215	$2,654,026
Woolen overcoatings, etc.—			
Square yards		178,227	592,199
Value		$120,488	$504,400
Worsted coatings, etc., for men's wear—			
Square yards	41,538,522	30,517,666	18,793,540
Value	$29,019,070	$24,280,705	$16,802,566
Worsted dress goods, cashmeres, buntings, etc.—			
Square yards		118,069,251	18,276,957
Value		$8,096,724	$7,198,495
All other—			
Square yards	12,228	179,581	1,613,530
Value	$7,794	$121,728	$1,057,971
Union or cotton-mixed woven goods:			
Unions, tweeds, etc.—			
Square yards	349,216	1,831,640	3,708,784
Value	$235,359	$984,481	$2,138,727
All other—			
Square yards	347,426	164,500	321,656
Value	$194,459	$60,225	$142,590
Goods woven on cotton warps, etc.:			
Worsted filling, cassimeres, jeans, etc.—			
Square yards	9,545,888	8,453,778	6,772,247
Value	$3,251,084	$5,030,340	$3,955,123
Worsted filling, dress goods, etc.—			
Square yards		7,187,938	2,995,144
Value		$2,275,346	$936,799
All other—			
Square yards	5,308,816	5,140,513	2,292,029
Value	$1,782,482	$2,303,847	$870,381
Partly manufactured goods, for sale:			
Woolen yarn, all wool—			
Pounds	763,946	661,234	1,339,608
Value	$391,831	$368,165	$844,691
Merino yarn—			
Pounds	1,604,059	534,654	2,341,087
Value	$1,055,346	$225,317	$1,150,011
Worsted yarn and tops—			
Pounds	20,771,249	24,285,265	13,222,913
Value	$18,652,542	$23,410,014	$10,551,023
Noils—			
Pounds	3,283,790	5,199,661	3,319,117
Value	$940,435	$1,819,094	$1,240,806
Waste—			
Pounds	5,177,162	7,106,426	5,837,000
Value	$902,003	$1,316,779	$831,452
Amount received for contract work	$678,674	$366,622	$138,822
All other products, value	$671,577	$384,150	$1,622,880

The output of two of the five classes of partly manufactured goods for sale—namely, all-wool woolen yarn and merino yarn—showed great decreases in quantity and value between 1904 and 1909, followed by increases between 1909 and 1914. In both classes, however, the 1914 figures show decreases, as compared with those for 1904. On the other hand, for the remaining three classes of this group—worsted yarn and tops, noils, and waste—marked increases between 1904 and 1909 were followed by decreases during the next five-year period.

Cotton goods, including cotton small wares.—Although the total cost of materials consumed in these industries (including cotton lace) increased from 1909 to 1914, the output decreased considerably in quantity and slightly in value. The quantity and cost of materials used in 1914, 1909, and 1904 are given in Table 25.

The consumption of cotton, both domestic and foreign, in these industries in 1914—122,403,247 pounds,

costing $17,813,655—represented increases of 8.6 per cent in quantity and 17.4 per cent in cost, as compared with the figures for 1909, and 28.1 per cent in quantity and 47.9 per cent in cost, as compared with 1904. In 1914 domestic cotton represented 90.2 per cent of the total quantity and 86.2 per cent of the total cost of cotton consumed; for 1909 the corresponding percentages were 90.4 and 86.6, respectively; and for 1904, 93.6 and 91.5, respectively. The quantity of purchased cotton yarn consumed shows very little change from census to census, but its cost increased 22.7 per cent from 1904 to 1909 and 4 per cent from 1909 to 1914.

Table 25	1914	1909	1904
Materials, total cost	$28,756,309	$25,401,239	$19,665,504
Cotton:			
Domestic—			
Pounds	110,357,913	101,896,174	89,422,995
Cost	$15,354,914	$13,138,735	$11,021,798
Foreign—			
Pounds	12,045,334	10,860,853	6,125,640
Cost	$2,458,741	$2,030,857	$1,023,838
Yarns, purchased:			
Cotton—			
Pounds	13,262,085	13,263,003	13,033,803
Cost	$4,212,245	$4,051,301	$3,303,127
Silk and spun-silk—			
Pounds	127,963	516,323	(1)
Cost	$517,166	$1,278,828	(1)
Other—			
Pounds	360,122	112,904	(1)
Cost	$311,485	$115,502	$151,719
Cotton waste, purchased:			
Pounds	1,543,501	29,195,998	45,168,838
Cost	$136,014	$1,274,989	$1,824,505
Starch, cost	$144,189	$116,461	$85,137
Chemicals and dyestuffs, cost	$449,136	$287,997	$149,309
Fuel and rent of power, cost	$1,168,986	$1,045,147	$796,652
All other materials, cost	$4,003,433	$2,061,422	$1,309,419

[1] Not reported separately.

The kind, quantity, and value of the products made in these industries in 1914, 1909, and 1904 are shown in Table 26.

Table 26	1914	1909	1904
Products, total value	$49,718,837	$50,312,597	$34,573,450
Unbleached and bleached sheetings, shirtings, and muslins: [1]			
Square yards	204,923,852	246,831,368	183,488,981
Value	$13,923,977	$18,212,259	$9,922,635
Fancy weaves, total:			
Square yards	122,042,966	103,180,787	107,105,727
Value	$11,288,868	$11,248,006	$8,123,025
Twills, sateens, etc.—			
Square yards	74,415,258	53,871,689	56,095,899
Value	$5,338,728	$4,139,572	$3,880,069
Other fancy weaves—			
Square yards	47,627,708	49,309,098	51,009,828
Value	$5,950,140	$7,108,434	$4,242,956
Velvets, corduroys, plushes, etc.:			
Square yards	5,457,570	3,106,639	3,422,296
Value	$2,140,780	$1,135,767	$940,030
Yarns, for sale:			
Pounds	15,744,098	19,752,920	16,462,391
Value	$5,679,149	$6,666,271	$4,954,570
Thread:			
Pounds	2,675,562	3,715,469	2,934,660
Value	$3,247,298	$3,516,713	$2,717,267
Cotton waste, for sale:			
Pounds	23,079,944	42,158,042	49,352,389
Value	$1,325,590	$1,984,192	$2,177,008
All other products, value	$12,113,175	$7,549,389	$5,738,915

[1] These fabrics, the combined quantities and values of which are here brought into comparison for the three census years, were designated at prior censuses as "plain cloths for printing or converting" and "brown or bleached sheetings and shirtings."

The total value of products shown for 1914 was less by 1.2 per cent than that given for 1909, but exceeded by 43.8 per cent the total reported for 1904. Unbleached and bleached sheetings, shirtings, and muslins decreased during the later five-year period by 17 per cent in quantity and 23.5 per cent in value; but for the entire ten-year period these products show increases of 11.7 per cent and 40.3 per cent, respectively.

For fancy weaves an increase of 18.3 per cent in quantity is shown for the later five-year period, but the accompanying increase in value amounted to only four-tenths of 1 per cent.

The gain shown by this group of products is accounted for entirely by the increase in the output of twills, sateens, etc., which amounted to 38.1 per cent in quantity and 29 per cent in value between 1909 and 1914; other fancy weaves show decreases of 3.4 per cent and 16.3 per cent, respectively, during the same period. For velvets, corduroys, plushes, etc., notable increases—75.7 per cent in quantity and 88.5 per cent in value—are shown. The value of "all other products" also increased rapidly, the 1914 figure exceeding that for 1909 by 60.5 per cent.

Silk goods, including throwsters.—Table 27 gives the kind, quantity, and cost of the materials used in this industry in 1914, 1909, and 1904.

Table 27	1914	1909	1904
Materials, total cost	$5,326,594	$3,187,685	$1,695,950
Silk:			
Raw—			
Pounds	535,613	483,330	262,112
Cost	$1,850,707	$2,173,458	$1,179,447
Spun—			
Pounds	130,342	73,816	52,145
Cost	$363,934	$175,113	$139,909
Yarns, not made in mill:			
Woolen or worsted—			
Pounds	153,606	59,811	7,800
Cost	$164,789	$93,493	$6,040
Cotton—			
Pounds	1,830,922	1,421 229	969,426
Cost	$500,348	$404,141	$290,214
Fuel and rent of power, cost	$55,438	$36,091	$20,341
All other materials, cost	$2,391,378	$305,389	$59,999

The quantity of raw silk used increased 10.8 per cent between 1909 and 1914, but the cost of this material, as reported, shows a decrease of 14.8 per cent. The quantity and cost of spun silk used, however, increased greatly—76.6 per cent in quantity and 107.8 per cent in value. For both cotton yarn and woolen and worsted yarns considerable increases are shown, and the proportion which the combined quantities of these yarns formed of the total quantity of materials for which separate figures are given was slightly greater in 1914 than in 1909—74.9 per cent in the later year, as against 72.7 per cent in the earlier.

A detailed statement of products can not be given without disclosing operations of individual establishments. The total value of all products was $7,664,472 in 1914, as against $4,584,431 in 1909, the increase being $3,080,041, or 67.2 per cent. The principal products were silk-mixed broad silks and spun silk.

Hosiery and knit goods.—Table 28, on the following page, compares the kind, quantity, and cost of materials used in this industry in 1914, 1909, and 1904.

Table 28	1914	1909	1904
Materials, total cost	$2,404,602	$2,444,457	[1] $2,271,099
Yarns, not made in mill:			
Cotton—			
Pounds	[2] 3,472,110	4,609,892	4,778,112
Cost	[2] $1,008,333	$1,220,424	$1,154,834
Worsted—			
Pounds	665,977	597,037	622,209
Cost	$667,144	$686,017	$606,595
Merino—			
Pounds	85,966	314,648	120,331
Cost	$57,816	$146,544	$56,779
Silk and spun-silk [3]—			
Pounds	104,946	22,900	5,425
Cost	$402,979	$84,955	$17,352
Chemicals and dyestuffs, cost	$18,794	$32,160	$61,935
Fuel and rent of power, cost	$43,623	$29,795	$42,082
All other materials, cost	$205,913	$244,562	$331,522

[1] Excludes figures for one establishment engaged in the manufacture of hand-knit goods.
[2] Includes mercerized cotton.
[3] Includes artificial silk yarn.

The total cost of materials used in this industry decreased 2.3 per cent between 1909 and 1914. The total quantity of yarns used decreased during the same period from 5,544,477 pounds to 4,328,999 pounds, or 21.9 per cent, but increases are shown for worsted and silk yarns, that for the latter amounting to 82,046 pounds, or 358.3 per cent.

The kind, quantity, and value of products in 1914, 1909, and 1904 are given in Table 29.

Table 29	1914	1909	1904
Products, total value	$4,191,841	$3,865,792	[1] $3,344,655
Hose:			
Dozen pairs	318,499	[2] 428,551	338,754
Value	$1,360,549	[2] $1,024,802	$763,963
Half hose:			
Dozen pairs	261,585	125,643	41,063
Value	$453,648	$220,280	$80,000
Shirts and drawers:			
Dozens	145,275	199,997	212,307
Value	$497,759	$830,977	$656,540
Cotton—			
Dozens	133,809	110,443	(3)
Value	$373,889	$286,813	(3)
All other—			
Dozens	11,466	89,554	(3)
Value	$123,870	$544,164	(3)
Combination suits:			
Dozens	83,975	111,199	1,950
Value	$697,450	$554,201	$16,000
Cotton—			
Dozens	57,928	82,730	(3)
Value	$370,456	$310,263	(3)
All other—			
Dozens	26,047	28,469	(3)
Value	$326,994	$243,938	(3)
Boot and shoe linings:			
Square yards	5,331,268	6,686,112	9,021,062
Value	$607,296	$862,090	$826,362
Jersey cloth and stockinette:			
Square yards	455,911	505,889	(3)
Value	$277,221	$206,609	(3)
All other products, value	$297,918	$166,833	$1,001,790

[1] Excludes figures for one establishment engaged in the manufacture of hand-knit goods, to avoid disclosure of individual operations.
[2] Includes silk hose and half hose.
[3] Figures not available.

Although the total value of products increased during the five-year period 1909–1914 by $326,049, or 8.4 per cent, a decline in quantity appears for each class of products, with the exceptions of half hose and cotton shirts and drawers. The increase in half hose amounted to 108.2 per cent in quantity and 105.9 per cent in value; and that in cotton shirts and drawers, to 21.2 and 30.4 per cent, respectively. For hose, combination suits, and Jersey cloth and stockinette, decreases in quantity together with increases in value are shown. For "all other" shirts and drawers a very great decrease appears, the quantity and value of the output being only about one-eighth and one-fourth, respectively, as great in 1914 as in 1909. Decreases, though far less pronounced, appear also for boot and shoe linings. The value of "all other products" increased by 78.6 per cent during the five-year period.

Printing and publishing.—Table 30 gives statistics as to the number and aggregate circulation of newspapers and periodicals per issue in 1914, 1909, and 1904.

Table 30 — Period of issue	Number of publications			Aggregate circulation per issue		
	1914	1909	1904	1914	1909	1904
Total	53	47	60	333,696	254,493	247,613
Daily and Sunday [1]	14	14	16	194,316	191,670	180,464
Semiweekly	3	3	4	4,447	5,810	6,719
Weekly	22	21	29	48,928	34,013	39,542
All other	[2] 14	[3] 9	[4] 11	86,005	23,000	20,888

[1] Includes 2 Sunday papers in 1914 and 1909 and 3 in 1904.
[2] Includes 11 monthly publications, 1 quarterly, 1 semimonthly, and 1 bimonthly.
[3] Includes 8 monthly publications and 1 semimonthly.
[4] Includes 10 monthly publications and 1 quarterly.

Of the 12 dailies in 1914, 10, with an aggregate circulation of 125,466, were issued in the evening. The greatest gains shown are for "all other," which increased from 9, with an aggregate circulation of 23,000, in 1909 to 14, with an aggregate circulation of 86,005, in 1914. This group included 11 monthly publications in 1914, 8 in 1909, and 10 in 1904. The publications printed in foreign languages comprised 4 in French—1 daily, 1 semiweekly, 1 weekly, and 1 monthly—2 weeklies in Italian, and 1 weekly in German. The aggregate circulation of these foreign-language publications in 1914 was 53,500.

Laundries.—Statistics for power laundries in 1914 and 1909 are summarized in Table 31. These statistics are not included in the general tables or in the totals for all manufacturing industries.

Table 31 — Power laundries	Number or amount. 1914	Number or amount. 1909	Per cent of increase,[1] 1909–1914.
Number of establishments	66	53	.....
Persons engaged	1,402	1,211	15.8
Proprietors and firm members	70	70	.....
Salaried employees	140	65	.....
Wage earners (average number)	1,192	1,076	10.8
Primary horsepower	1,829	1,368	33.7
Capital	$684,194	$612,524	11.7
Salaries and wages	$679,735	$523,045	30.0
Salaries	$135,280	$61,761	119.0
Wages	$544,455	$461,284	18.0
Paid for contract work	$1,974	$916	115.5
Rent and taxes (including internal revenue)	$34,436	$21,818	57.8
Cost of materials	$230,604	$158,443	45.5
Amount received for work done	$1,260,942	$1,019,404	23.7

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

The rank of Rhode Island among the states in this industry in 1914 was thirtieth, as against twenty-fourth in 1909. Forty-one of the establishments in 1914 were owned by individuals, 7 by corporations, and the remaining 18 were under other forms of owner-

ship; the corresponding figures for 1909 were 28, 5, and 20, respectively. At both censuses the corporation-owned laundries reported the largest amount of business, the receipts for work done in 1914 being $535,686, or 42.5 per cent of the total, and $401,499, or 39.4 per cent, in 1909. Establishments owned by individuals in 1914 reported $441,046, or 35 per cent of the total, and $388,068, or 38.1 per cent, in 1909. The receipts for establishments under all other forms of ownership amounted to $284,210, or 22.5 per cent of the total, in 1914, and to $229,837, or 22.5 per cent, in 1909.

Table 32 gives the number of wage earners employed in laundries on the 15th (or nearest representative day) of each month in 1914 and in 1909, together with the percentage which the number shown for each month forms of the maximum.

Table 32

MONTH.	WAGE EARNERS.			
	Number.		Per cent of maximum.	
	1914	1909	1914	1909
January	1,170	1,041	94.8	94.2
February	1,162	1,040	94.2	94.1
March	1,162	1,041	94.2	94.2
April	1,177	1,047	95.4	94.8
May	1,192	1,070	96.6	96.8
June	1,214	1,083	98.4	98.0
July	1,234	1,105	100.0	100.0
August	1,223	1,101	99.1	99.6
September	1,211	1,104	98.1	100.0
October	1,194	1,091	96.8	98.7
November	1,184	1,095	95.9	99.1
December	1,184	1,095	95.9	99.1

The largest number of wage earners was reported for July at each census. The maximum in 1914 was 1,234, as against 1,105 in 1909. The minimum for the later year—1,162, or 94.2 per cent of the maximum—was reported for both February and March; and the minimum for 1909—1,040, or 94.1 per cent of the maximum—is shown for February. The fluctuation of employment, therefore, was comparatively slight and was substantially the same at both censuses.

Table 33 shows, for 1914 and 1909, the kind, number, and horsepower of engines and motors used in the laundries of the state, together with the percentages of increase in horsepower during the five-year period.

Table 33

POWER.	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
			Amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	1914	1909	
Primary power, total	77	57	1,829	1,368	33.7
Owned	62	54	1,716	1,275	34.6
Steam engines and turbines	61	52	1,711	1,252	36.7
Internal-combustion engines	1	2	5	23	.....
Rented	15	3	113	93	.....
Electric	15	3	83	20	.....
Other	.....	.....	30	73	.....
Electric	72	44	215	65	.....
Rented	15	3	83	20	.....
Generated by establishments reporting	57	41	132	45	.....

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

Table 34 shows the kind and quantity of fuel used in the laundries, as reported at the censuses of 1914 and 1909, with the percentages of increase where comparative figures are given.

Table 34

KIND.	Unit.	QUANTITY.		Per cent of increase, 1909–1914.
		1914	1909	
Anthracite coal	Tons, 2,240 lbs	1,282	1,099	16.7
Bituminous coal	Tons, 2,000 lbs	11,723	8,031	46.0
Coke	Tons, 2,000 lbs	.....	50	.....
Oil	Barrels	.....	25	.....
Gas	1,000 cubic feet	4,109	2,927	40.4

GENERAL TABLES.

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

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

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1914	2,190	113,425	269,854	$59,366	$162,425	$279,546
	1909	1,951	113,538	226,740	55,234	158,192	280,344
	1904	1,617	97,318	182,608	43,113	112,872	202,110
Boxes and cartons, paper	1914	12	499	144	172	298	626
	1909	9	496	128	158	169	499
	1904	8	437	(1)	106	120	341
Brass, bronze, and copper products	1914	19	123	149	76	210	577
	1909	18	225	350	118	549	828
	1904	[2] 26	301	226	141	342	668
Bread and other bakery products	1914	204	1,112	739	693	2,326	4,017
	1909	187	1,055	757	659	2,471	3,937
	1904	174	964	368	570	1,824	3,054
Carriages, wagons, and repairs	1914	47	271	487	180	181	509
	1909	40	238	387	152	163	422
	1904	31	228	(1)	140	117	371
Confectionery	1914	20	268	259	115	522	880
	1909	20	131	166	54	258	448
	1904	12	83	(1)	35	107	226
Copper, tin, and sheet-iron products	1914	[3] 62	549	221	341	666	1,304
	1909	41	377	179	218	452	932
	1904	[4] 21	314	159	165	381	736
Cotton goods, including cotton small wares	1914	[5] 102	29,483	110,289	13,785	28,756	49,719
	1909	106	28,786	95,278	11,797	25,401	50,313
	1904	99	24,758	75,607	8,890	19,666	34,573
Dyeing and finishing textiles	1914	47	7,928	25,539	3,966	8,764	16,301
	1909	45	7,792	21,179	3,616	5,319	13,956
	1904	37	7,562	(1)	3,182	3,639	9,981
Dyestuffs and extracts	1914	7	91	729	52	512	793
	1909	10	87	689	82	632	928
	1904	8	70	(1)	41	327	513
Electrical machinery, apparatus, and supplies	1914	13	1,581	3,638	734	3,793	5,468
	1909	12	1,601	2,837	678	4,595	6,410
	1904	11	1,409	3,223	557	4,017	5,435
Flour-mill and gristmill products	1914	20	74	1,062	29	690	798
	1909	18	39	1,046	22	790	886
	1904	22	45	1,310	24	1,059	1,134
Foundry and machine-shop products	1914	[6] 182	10,728	13,888	6,933	7,110	19,373
	1909	141	10,937	11,033	6,900	8,014	20,612
	1904	143	8,617	8,308	4,676	5,014	14,194
Furnishing goods, men's	1914	[7] 10	650	1,561	312	763	1,277
	1909	9	684	617	311	895	1,549
Gas, illuminating and heating	1914	6	605	1,731	477	884	2,462
	1909	8	412	719	303	530	1,833
	1904	6	462	652	303	502	1,580
Gold and silver, reducing and refining, not from the ore	1914	15	73	247	52	2,960	3,290
	1909	15	82	270	57	4,171	4,442
	1904	10	77	225	55	3,987	4,261
Hosiery and knit goods	1914	23	2,030	1,802	887	2,405	4,192
	1909	17	1,774	1,626	635	2,444	3,366
	1904	[2] 15	1,721	1,565	574	2,271	3,345
Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills	1914	5	645	1,298	338	389	988
	1909	5	770	1,055	430	614	1,341
	1904	4	573	(1)	290	380	908
Jewelry	1914	291	8,778	4,416	4,770	11,209	21,522
	1909	296	9,511	2,425	4,761	9,788	20,685
	1904	197	6,475	2,524	3,365	6,658	14,432
Liquors, malt	1914	8	511	3,266	472	1,599	3,918
	1909	9	450	2,055	384	1,188	3,579
	1904	7	406	2,031	330	723	2,740
Lumber and timber products	1914	[8] 53	779	3,043	490	1,086	2,092
	1909	57	748	2,828	437	1,064	1,907
	1904	47	658	2,472	371	850	1,698
Marble and stone work	1914	46	658	1,841	453	286	955
	1909	46	660	1,754	451	249	1,033
	1904	23	758	1,316	520	278	1,040
Paper goods, not elsewhere specified	1914	[9] 10	329	1,424	173	941	1,491
	1909	10	302	984	140	902	1,353
	1904	9	236	(1)	92	591	873
Printing and publishing	1914	[10] 162	1,515	2,587	1,044	1,162	4,293
	1909	147	1,454	1,944	956	1,064	3,780
	1904	140	1,432	939	787	816	3,070
Rubber goods, not elsewhere specified	1914	6	1,541	3,350	821	4,062	6,089
	1909	5	774	1,075	320	2,075	3,143
	1904	9	991	(1)	417	1,636	2,582
Silk goods, including throwsters	1914	12	2,325	3,509	1,192	5,327	7,664
	1909	13	1,685	2,318	788	3,188	4,584
	1904	8	1,291	1,645	480	1,696	2,556
Slaughtering and meat packing	1914	[11] 23	265	490	155	4,989	5,470
	1909	21	214	428	122	2,794	3,156
	1904	16	186	357	105	2,384	2,657
Soap	1914	12	167	461	85	929	1,539
	1909	9	168	402	70	939	1,248
	1904	8	192	(1)	69	585	866
Woolen and worsted goods	1914	80	22,745	50,206	11,367	41,735	60,889
	1909	88	24,924	43,715	11,538	51,025	74,600
	1904	82	21,610	35,981	9,102	35,936	52,641
All other industries	1914	693	17,102	31,478	9,202	27,871	51,050
	1909	549	17,162	28,496	9,077	26,449	48,074
	1904	444	15,462	43,700	7,726	16,966	35,635

[1] Figures not available.
[2] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[3] Includes "stamped and enameled ware, not elsewhere specified;" and "tinware, not elsewhere specified."
[4] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[5] Includes "cotton lace."
[6] Includes "automobile repairing;" "engines, steam, gas, and water;" "gas machines and gas and water meters;" "hardware;" "plumbers' supplies, not elsewhere specified;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork, not made in steel works or rolling mills."
[7] Includes "suspenders, garters, and elastic woven goods."
[8] Includes "boxes, wooden packing;" "lumber, planing-mill products, not including planing mills connected with sawmills;" and "window and door screens."
[9] Includes "cardboards, not made in paper mills."
[10] Includes "bookbinding and blank-book making," and "engraving, steel and copper plate, including plate printing."
[11] Includes "sausage."

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

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
PAWTUCKET—All industries.	1914	235	16,713	36,148	$8,564	$24,904	$42,029
	1909	217	15,275	29,510	7,255	21,540	37,696
	1904	186	12,054	(1)	5,100	14,112	25,847
Bread and other bakery products.	1914	20	116	63	72	234	386
	1909	16	95	64	53	252	365
	1904	11	86	(1)	48	185	276
Cotton goods, including cotton small wares.	1914	[2] 26	7,396	17,085	3,443	7,677	13,461
	1909	23	7,045	16,524	3,039	7,567	14,338
	1904	20	5,526	(1)	2,143	5,627	10,099
Foundry and machine-shop products.	1914	[3] 21	1,671	1,961	1,022	933	2,815
	1909	20	1,243	1,191	757	841	2,250
	1904	[4] 22	1,006	(1)	545	719	1,882
Hosiery and knit goods	1914	3	523	205	205	682	1,107
	1909	5	425	242	141	710	980
	1904	3	217	(1)	65	429	559
Jewelry	1914	9	280	310	177	257	557
	1909	7	264	75	84	199	385
	1904	4	83	(1)	26	32	115
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	7	278	600	183	426	798
	1909	8	258	567	161	469	723
	1904	3	107	(1)	64	166	303
Printing and publishing.	1914	[5] 12	147	202	113	130	436
	1909	12	123	186	89	104	388
	1904	[6] 13	168	(1)	92	120	414
Tobacco manufactures	1914	15	87	1	40	43	118
	1909	14	94	.....	55	61	156
	1904	12	92	(1)	52	46	131
All other industries	1914	122	6,215	15,721	3,309	14,522	22,351
	1909	112	5,728	10,661	2,876	11,337	18,111
	1904	98	4,769	(1)	2,065	6,788	12,068
PROVIDENCE—All industries.	1914	1,207	44,176	65,041	24,482	63,970	115,335
	1909	1,080	46,381	56,410	24,449	64,770	120,241
	1904	881	39,804	(1)	19,555	49,973	91,981
Brass, bronze, and copper products.	1914	13	88	91	57	158	471
	1909	11	121	98	70	345	477
	1904	[4] 21	281	(1)	130	320	618
Bread and other bakery products.	1914	96	651	537	404	1,388	2,437
	1909	87	598	564	392	1,473	2,381
	1904	83	514	(1)	312	1,054	1,757
Copper, tin, and sheet-iron products.	1914	[7] 39	404	205	$252	$532	$990
	1909	27	319	166	176	395	784
	1904	[6] 15	257	(1)	128	347	634
Cotton goods, including cotton small wares.	1914	10	1,625	4,759	681	1,559	2,451
	1909	13	1,941	5,156	774	1,392	2,850
	1904	17	2,078	(1)	688	1,539	2,993
Electrical machinery, apparatus, and supplies.	1914	8	576	578	304	540	1,088
	1909	6	378	564	186	373	879
	1904	6	272	(1)	111	258	560
Foundry and machine-shop products.	1914	[8] 98	6,549	8,113	4,367	3,796	11,192
	1909	85	7,708	7,208	4,966	5,235	14,485
	1904	80	5,548	(1)	3,177	3,418	9,584
Gold and silver, reducing and refining, not from the ore.	1914	15	73	247	52	2,960	3,290
	1909	15	82	270	57	4,171	4,442
	1904	10	77	(1)	55	3,987	4,261
Jewelry	1914	277	8,479	4,089	4,585	10,943	20,934
	1909	282	9,176	2,340	4,651	9,534	20,166
	1904	193	6,391	(1)	3,339	6,626	14,317
Liquors, malt	1914	3	212	1,091	195	733	2,022
	1909	4	193	858	168	657	1,867
	1904	4	167	(1)	133	366	1,427
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	[9] 13	256	783	166	321	653
	1909	17	348	1,081	203	430	840
	1904	16	307	(1)	182	536	896
Printing and publishing.	1914	[10] 109	1,150	2,165	795	908	3,337
	1909	90	1,104	1,920	735	828	2,860
	1904	84	999	(1)	548	600	2,178
Tobacco manufactures	1914	20	118	2	86	83	252
	1909	38	122	6	91	98	280
	1904	16	71	(1)	46	60	145
Woolen and worsted goods and wool hats.	1914	18	8,792	18,497	4,537	13,951	20,847
	1909	20	10,614	17,936	4,878	20,439	29,926
	1904	15	10,167	(1)	4,219	16,307	23,102
All other industries	1914	488	15,203	23,884	8,001	26,098	45,371
	1909	385	13,677	18,243	7,102	19,400	38,004
	1904	321	12,675	(1)	6,487	14,555	29,509

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

CENTRAL FALLS	1914	45	3,077	6,037	$1,486	$3,784	$6,748
	1909	43	2,475	4,992	1,021	3,381	5,471
	1904	33	2,443	(1)	965	3,330	5,091
CRANSTON	1914	39	2,218	5,473	1,361	3,770	6,706
	1909	28	1,711	3,707	1,003	2,887	5,625
	1904	13	587	(1)	332	596	1,639
CUMBERLAND	1914	24	4,666	15,337	2,371	4,459	7,972
	1909	29	5,359	15,112	2,231	4,618	9,827
	1904	19	4,574	(1)	1,778	3,107	5,965
EAST PROVIDENCE	1914	38	1,906	9,424	1,003	4,908	7,000
	1909	26	2,041	7,123	932	5,061	7,146
	1904	21	1,381	(1)	574	4,254	5,544
NEWPORT	1914	89	893	1,339	$632	$860	$2,299
	1909	54	726	869	480	570	1,379
	1904	46	849	(1)	489	556	1,347
WARWICK	1914	58	6,439	24,576	3,129	6,933	11,656
	1909	49	6,471	22,041	2,803	5,394	10,589
	1904	37	6,153	(1)	2,144	3,848	7,052
WOONSOCKET	1914	157	10,952	35,707	5,303	17,056	28,115
	1909	130	10,703	23,571	4,908	16,762	28,219
	1904	103	8,672	(1)	3,550	10,579	19,261

[1] Figures not available.
[2] Includes "cotton lace."
[3] Includes "hardware."
[4] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[5] Includes "bookbinding and blank-book making."
[6] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[7] Includes "stamped and enameled ware," and "tinware, not elsewhere specified."
[8] Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware;" "plumbers' supplies, not elsewhere specified"; "steam fittings and steam and hot-water heating apparatus"; and "structural ironwork, not made in steel works or rolling mills."
[9] Includes "boxes, wooden packing," and "window and door screens."
[10] Includes "bookbinding and blank-book making," and "engraving, steel and copper plate, including plate printing."

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

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS—DEC. 15, OR NEAREST REPRESENTATIVE DAY— Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	2,190	124,109	1,883	2,520	4,143	2,138	113,425	Mh 116,685	De 108,261	(3)	(3)	(3)	(3)	(3)	$308,444,563
2	Artificial stone products	13	89	14	4	3	.....	68	My 96	Fe 40	68	68	.....	.....	.....	89,659
3	Automobile bodies and parts	5	23	3	3	1	1	15	Jy[4] 17	De[4] 14	15	15	.....	.....	.....	24,035
4	Automobile repairing	28	167	21	4	3	7	132	Jy 142	De 113	121	121	.....	.....	.....	138,998
5	Awnings, tents, and sails	6	62	7	14	.....	3	38	Je 60	No 24	33	29	4	.....	.....	57,119
6	Belting, leather	4	25	1	3	1	1	19	Ja 22	Jy[4] 14	19	19	.....	.....	.....	90,432
7	Boxes and cartons, paper	12	566	9	19	24	15	499	Ja 522	Jy 479	491	166	309	4	12	354,530
8	Brass, bronze, and copper products	19	160	17	10	5	5	123	De[4] 129	Ap 114	132	125	5	1	1	310,982
9	Bread and other bakery products	204	1,527	231	28	75	81	1,112	Se 1,131	Ap 1,095	1,138	1,059	73	6	.....	1,425,448
10	Brooms, from broom corn	8	28	7	1	.....	.....	20	De 22	Fe 18	21	20	1	.....	.....	15,576
11	Brushes	10	107	13	6	2	.....	86	Mh 93	Jy 77	93	26	65	1	1	68,975
12	Carpets, rag	3	35	3	2	2	3	25	My 32	Fe 16	21	17	4	.....	.....	16,799
13	Carriages, wagons, and repairs	47	349	47	16	6	9	271	Ap 293	De 251	255	254	1	.....	.....	444,638
14	Cheese	3	5	3	.....	.....	.....	2	(5) 2	(5) 2	2	2	.....	.....	.....	4,105
15	Cleansing and polishing preparations	3	4	3	.....	.....	.....	1	(5) 1	(5) 1	1	1	.....	.....	.....	2,450
16	Confectionery and ice cream	66	555	75	16	44	26	394	Au 437	Ja 333	438	237	183	1	17	958,799
17	Confectionery and chewing gum	20	355	18	13	40	16	268	No 302	Ja 228	309	115	176	1	17	673,777
18	Ice cream	46	200	57	3	4	10	126	Jy 171	De 103	129	122	7	.....	.....	285,022
19	Cooperage	6	28	4	.....	.....	1	23	Au 28	Mh[4] 21	22	22	.....	.....	.....	29,177
20	Copper, tin, and sheet-iron work	53	481	61	15	11	12	382	Ja 406	My 363	390	390	.....	.....	.....	486,207
21	Cordage and twine	5	148	5	5	1	3	134	Oc 142	No 122	140	86	47	.....	7	226,373
22	Cotton goods	65	25,803	21	221	231	73	25,257	Ap 25,798	No 24,505	25,430	13,363	10,595	721	751	68,741,060
23	Cotton lace	9	1,452	.....	20	47	28	1,357	Mh 1,587	De 885	1,341	620	643	27	51	3,122,216
24	Cotton small wares	28	3,016	16	52	45	34	2,869	Ap 2,989	Au 2,779	2,805	1,202	1,497	20	86	5,152,568
25	Dyeing and finishing textiles	47	8,660	21	140	439	132	7,928	Fe 8,328	De 7,554	7,761	6,175	1,409	106	71	22,749,522
26	Dyestuffs and extracts	7	122	4	11	10	6	91	No 111	Jy 70	101	100	1	.....	.....	486,955
27	Electrical machinery, apparatus, and supplies.	13	1,785	4	50	87	63	1,581	Ja 1,845	De 1,365	1,622	1,094	503	10	15	5,136,460
28	Electroplating	21	200	24	4	3	8	161	Ja 200	Au 135	150	126	8	15	1	260,405
29	Enameling	18	521	19	7	7	8	480	Je 516	Au 444	460	323	121	10	6	235,667
30	Engraving and diesinking	50	317	58	14	10	2	233	Oc[4] 247	Ja 223	236	199	36	1	.....	137,949
31	Fancy articles, not elsewhere specified	9	144	13	5	8	1	117	Oc 136	Jy 98	122	75	46	.....	1	82,434
32	Flavoring extracts	6	24	9	.....	1	1	13	Je 15	Ja[4] 12	13	10	3	.....	.....	19,989
33	Flour-mill and gristmill products	20	105	17	3	6	5	74	Je 82	Fe[4] 70	71	67	2	2	.....	352,260
34	Foundry and machine-shop products	136	11,014	101	355	523	216	9,819	Ja 10,606	Oc 8,844	9,748	9,550	134	62	2	30,175,478
35	Foundries	8	356	6	10	13	2	325	Ap 379	De 284	284	275	9	.....	.....	687,884
36	Boiler and machine shops	128	10,658	95	345	510	214	9,494	Ja 10,296	Oc 8,554	9,464	9,275	125	62	2	29,487,594
37	Furnishing goods, men's	4	40	5	2	2	2	29	De 32	Au 14	32	4	28	.....	.....	33,585
38	Furniture	15	168	14	6	3	6	139	Je 153	De 127	128	115	8	5	.....	185,971
39	Gas and electric fixtures	4	32	5	.....	1	2	24	(5) 24	(5) 24	24	19	5	.....	.....	28,260
40	Gas, illuminating and heating	6	685	.....	26	41	13	605	Je 703	Fe 539	561	521	40	.....	.....	10,030,355
41	Glass, cutting, staining, and ornamenting.	7	35	8	.....	.....	2	25	Je 28	Jy 23	25	25	.....	.....	.....	21,904
42	Gold and silver, reducing and refining, not from the ore.	15	123	12	15	16	7	73	Ja 80	Je 69	72	72	.....	.....	.....	1,006,268
43	Grease and tallow, not including lubricating greases.	4	128	4	3	4	3	114	Je 124	Fe 107	110	110	.....	.....	.....	375,153
44	Hair work	3	9	3	.....	.....	.....	6	(5) 6	(5) 6	5	2	3	.....	.....	2,878
45	Hand stamps	4	11	4	.....	.....	.....	7	(5) 7	(5) 7	8	8	.....	.....	.....	5,020
46	Hats and caps, other than felt, straw, and wool.	3	34	6	.....	2	1	25	Ja[4] 27	De[4] 24	27	17	9	.....	1	12,775
47	Hosiery and knit goods	23	2,127	9	39	24	25	2,030	Fe 2,218	De 1,894	2,041	386	1,538	19	98	3,163,737
48	Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills.	5	720	.....	25	34	16	645	Mh 723	Oc 595	602	579	1	22	.....	2,354,423
49	Jewelry	291	10,476	265	365	519	549	8,778	Ja 9,388	Jy 8,143	8,780	5,899	2,736	102	43	16,830,983
50	Jewelry and instrument cases	4	307	5	6	5	10	281	Oc 338	My 252	305	101	195	3	6	221,717
51	Liquors, malt	8	611	4	19	69	8	511	Jy 529	No 498	509	509	.....	.....	.....	4,855,395
52	Looking-glass and picture frames	7	21	6	.....	.....	.....	15	(5) 15	(5) 15	15	13	2	.....	.....	22,862
53	Lumber and timber products	18	143	22	1	1	.....	119	De 141	Au 99	170	167	.....	3	.....	174,825
54	Lumber, planing-mill products, not including planing mills connected with sawmills.	27	615	22	38	30	8	517	Ja 550	De 455	476	475	1	.....	.....	1,084,481
55	Marble and stone work	46	760	50	15	32	5	658	Se 720	Fe 576	642	642	.....	.....	.....	790,671
56	Millinery and lace goods	8	337	4	11	6	4	312	Mh 361	Jy 271	279	10	257	.....	12	296,411
57	Mineral and soda waters	46	210	47	8	12	5	138	Jy 169	Ja[4] 120	133	130	3	.....	.....	231,800
58	Models and patterns, not including paper patterns.	12	70	12	3	.....	3	52	Au[4] 58	My 46	55	54	1	.....	.....	27,044
59	Paper goods, not elsewhere specified	[6] 10	370	4	20	2	15	329	My[4] 340	De 305	307	237	56	2	12	878,268
60	Patent medicines and compounds	23	69	13	9	17	5	25	Ap[4] 27	Mh 20	28	20	7	1	.....	150,633
61	Paving materials	6	51	5	1	1	1	43	Se 77	Ja 11	67	66	.....	1	.....	24,812
62	Perfumery and cosmetics	4	12	4	1	2	.....	5	Je[4] 7	De[4] 3	5	3	2	.....	.....	15,137
63	Photo-engraving	4	35	6	1	3	.....	25	De[4] 29	Mh 16	29	28	1	.....	.....	15,475
64	Pickles and sauces	8	26	6	2	3	1	14	De 19	Ap 7	24	17	7	.....	.....	31,516

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

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

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$7,042,713	$6,212,976	$59,366,292	$1,138,483	$1,227,624	$3,116,227	$156,543,080	$5,882,139	$279,545,873	$117,120,654	269,854	199,170	5,463	33,649	31,572	59,652	1
5,460	2,136	44,344	3,191	2,232	572	44,995	568	128,175	82,612	47	20	22	.....	5	.....	2
4,000	1,025	8,285	.....	1,350	175	17,715	705	45,340	26,920	6	.....	2	.....	4	25	3
4,691	5,080	91,663	2,066	9,508	1,038	77,994	5,171	252,031	168,866	118	.....	24	.....	94	.....	4
4,120	1,846	23,478	475	2,770	363	54,857	413	117,342	62,072	4	.....	.....	.....	4	.....	5
6,400	1,420	12,218	.....	658	506	89,033	1,369	130,506	40,104	88	80	.....	.....	8	.....	6
38,272	30,785	172,437	1,333	13,836	2,983	292,878	5,521	625,754	327,355	144	40	.....	6	98	.....	7
21,561	5,615	76,112	2,468	5,690	2,404	200,265	9,619	576,617	366,733	149	39	26	.....	84	5	8
41,908	110,674	693,040	.....	48,511	16,813	2,244,173	81,597	4,016,959	1,691,189	739	296	10	.....	433	298	9
520	.....	8,711	.....	705	65	21,911	330	45,395	23,154	21	.....	8	.....	13	.....	10
6,710	2,044	37,795	.....	2,650	344	64,641	1,229	137,901	72,031	34	.....	15	.....	19	1	11
2,001	3,128	13,600	.....	2,675	93	3,122	930	36,165	32,113	35	.....	10	10	15	.....	12
17,786	7,918	179,676	2,125	12,278	3,584	169,056	12,138	508,901	327,707	487	58	82	62	285	.....	13
.....	.....	1,200	.....	480	9	14,740	300	21,619	6,579	3	.....	.....	.....	3	.....	14
.....	.....	620	.....	120	7	2,428	58	5,900	3,414	2	.....	2	.....	.....	.....	15
39,984	48,893	192,420	1,322	19,495	8,788	839,314	17,330	1,462,654	606,010	528	80	27	.....	421	52	16
26,130	40,590	115,108	1,322	12,725	6,145	511,216	10,291	880,078	358,571	259	80	.....	.....	179	52	17
13,854	8,303	77,312	.....	6,770	2,643	328,098	7,039	582,576	247,439	269	.....	27	.....	242	.....	18
156	616	12,914	.....	300	97	44,812	25	68,167	23,330	.....	.....	.....	.....	.....	.....	19
32,276	22,061	265,346	4,544	16,608	3,105	463,072	5,409	969,472	500,991	106	.....	.....	.....	106	.....	20
6,600	1,710	52,165	.....	2,400	1,086	175,069	3,964	278,613	99,580	398	153	30	182	33	.....	21
760,536	293,224	11,829,890	89,554	9,570	517,969	24,505,961	1,031,838	43,267,662	17,729,863	103,642	75,265	134	23,333	4,910	20,570	22
76,980	101,822	689,336	29,466	10,991	19,599	800,125	31,216	2,056,962	1,225,621	1,315	420	250	120	525	126	23
132,784	73,392	1,265,342	150	12,178	45,860	2,281,237	105,932	4,394,213	2,007,044	5,332	4,200	51	753	328	558	24
450,787	536,132	3,965,884	3,050	65,588	145,168	7,839,174	925,129	16,300,783	7,536,480	25,539	22,554	25	1,841	1,119	9,933	25
48,904	25,595	52,319	.....	4,991	2,887	496,341	15,843	792,817	280,633	729	689	.....	.....	40	6	26
141,267	146,416	733,845	2,398	4,793	30,993	3,695,241	97,829	5,468,065	1,674,995	3,638	3,090	33	75	440	649	27
12,220	6,196	88,635	.....	12,271	1,713	197,079	3,887	401,650	200,684	136	65	13	.....	58	15	28
10,318	11,814	231,661	.....	5,852	1,274	115,051	6,407	447,124	325,666	289	225	18	25	21	10	29
25,036	8,520	125,330	2,256	14,738	1,183	17,405	3,063	283,530	263,062	115	.....	13	.....	102	.....	30
7,500	6,061	57,717	2,000	5,696	357	96,328	2,144	232,623	134,151	63	.....	.....	.....	63	.....	31
.....	1,255	6,804	.....	1,326	14	30,530	477	60,673	29,666	4	.....	.....	.....	4	.....	32
2,700	9,939	28,737	60	1,093	1,429	683,739	6,335	797,553	107,479	1,062	260	25	624	153	66	33
810,510	760,631	6,269,382	33,312	79,378	247,477	5,727,542	347,865	17,177,123	11,101,716	12,333	5,770	722	140	5,701	4,035	34
30,554	13,474	185,862	1,333	.....	6,384	120,265	27,295	442,341	294,781	378	140	.....	.....	238	150	35
779,956	747,157	6,083,520	31,979	79,378	241,093	5,607,277	320,570	16,734,782	10,806,935	11,955	5,630	722	140	5,463	3,885	36
1,840	4,132	10,388	180	646	117	27,705	1,182	55,069	26,182	33	10	.....	.....	23	.....	37
8,230	5,427	98,794	8,779	5,867	1,385	96,122	4,329	273,267	172,816	211	60	8	.....	143	.....	38
.....	1,641	13,552	.....	2,240	165	21,960	396	51,200	28,844	15	.....	.....	.....	15	.....	39
78,580	57,438	477,342	.....	.....	112,997	120,465	763,091	2,462,161	1,578,605	1,731	1,535	85	.....	161	678	40
.....	762	15,458	.....	2,383	122	13,959	151	45,394	31,284	14	.....	.....	.....	14	.....	41
40,956	29,153	52,138	275	13,418	3,466	2,949,456	10,900	3,289,857	329,501	247	165	38	.....	44	.....	42
4,940	7,380	80,396	.....	728	2,667	306,652	10,914	492,545	174,979	312	312	.....	.....	.....	.....	43
.....	.....	3,743	.....	1,098	30	1,361	.....	7,722	6,361	.....	.....	.....	.....	.....	.....	44
.....	.....	3,752	400	1,788	40	1,995	12	11,170	9,163	2	.....	.....	.....	2	.....	45
.....	2,000	12,776	.....	1,104	49	26,100	132	51,000	24,768	3	.....	.....	.....	3	.....	46
137,065	90,466	887,196	104	18,105	22,891	2,360,979	43,623	4,191,841	1,787,239	1,802	1,345	70	35	352	374	47
68,659	53,478	337,658	.....	.....	18,859	352,443	36,628	987,572	598,501	1,298	625	75	.....	598	140	48
1,017,446	965,705	4,770,041	92,355	296,785	120,303	11,073,541	135,506	21,522,251	10,313,204	4,416	509	543	20	3,344	339	49
9,020	12,271	115,955	400	3,884	2,861	151,965	3,529	317,831	162,337	83	50	.....	.....	33	35	50
68,448	101,406	471,890	.....	120	761,824	1,482,364	116,721	3,918,332	2,319,247	3,266	3,110	.....	.....	156	1,340	51
.....	.....	9,005	.....	2,194	63	16,232	147	41,445	25,066	13	.....	.....	.....	13	.....	52
288	500	65,398	10,101	1,000	1,000	120,505	289	279,060	158,266	1,069	925	34	110	.....	.....	53
79,748	29,123	349,383	3,000	14,188	8,386	707,061	11,974	1,407,245	688,210	1,435	1,012	238	.....	185	45	54
29,824	39,147	452,504	1,920	5,841	5,116	248,010	37,816	955,160	669,334	1,841	1,339	29	.....	473	.....	55
17,316	7,105	83,433	25	3,764	1,681	302,410	3,595	486,202	180,197	52	.....	7	.....	45	.....	56
9,140	7,035	71,568	144	4,840	1,884	125,526	4,665	313,941	183,750	110	39	.....	1	70	.....	57
3,745	735	29,029	.....	5,158	133	8,737	513	68,372	59,122	43	.....	15	.....	28	.....	58
50,160	9,255	116,020	590	650	8,346	907,320	34,002	1,490,519	549,197	1,424	835	6	.....	583	165	59
12,151	11,578	15,930	648	4,957	523	47,983	1,307	133,539	84,249	34	.....	5	.....	29	.....	60
1,100	874	24,976	.....	1,200	111	7,689	2,140	47,690	37,861	155	150	3	.....	2	.....	61
1,820	520	1,974	.....	864	251	7,134	182	17,206	9,890	.....	.....	.....	.....	.....	.....	62
1,950	1,715	18,891	.....	2,904	101	8,094	665	40,962	32,203	8	.....	.....	.....	8	.....	63
1,010	901	5,746	.....	1,563	167	54,249	996	77,365	22,120	19	.....	.....	.....	19	.....	64

[4] Same number reported for one or more other months. [5] Same number reported throughout the year. [6] Includes "cardboards, not made in paper mills."

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

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS—DEC. 15, OR NEAREST REPRESENTATIVE DAY— Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	Printing and publishing, book and job.	100	1,238	105	66	73	64	930	Ja 971	Au 885	929	652	262	12	3	$1,655,612
2	Printing and publishing, newspapers and periodicals.	47	870	22	55	215	49	529	Oc 538	Au 516	535	484	44	7	.....	2,456,187
3	Printing and publishing	8	693	2	45	178	34	434	Oc 444	Au 422	440	401	33	6	.....	2,251,348
4	Printing, publishing, and job printing.	20	139	13	7	15	10	94	Fe 96	No [3] 92	94	82	11	1	.....	184,800
5	Publishing without printing	19	38	7	3	22	5	1	(4) 1	(4) 1	1	1	.....	.....	.....	20,030
6	Rubber goods, not elsewhere specified	6	1,718	.....	22	110	45	1,541	Ap 2,011	No 881	1,559	1,178	360	7	14	5,284,108
7	Saddlery and harness	12	32	11	1	2	.....	18	Jy [3] 19	De [3] 17	17	17	.....	.....	.....	21,228
8	Sausage	13	103	15	8	2	3	75	Ja [3] 80	Jy 69	76	76	.....	.....	.....	170,724
9	Shipbuilding, wooden, including boat building.	13	109	14	4	5	.....	86	Mh 119	De 54	72	72	.....	.....	.....	118,044
10	Signs and advertising novelties	3	28	4	1	.....	2	21	Se 23	Ja [3] 20	20	20	.....	.....	.....	8,104
11	Silk goods, including throwsters	12	2,412	4	31	33	19	2,325	Fe 2,429	Ap 2,120	2,266	908	1,271	6	81	6,321,467
12	Slaughtering and meat packing	10	231	18	6	17	.....	190	De 194	Je [3] 184	193	191	2	.....	.....	562,005
13	Soap	12	236	4	13	47	5	167	Jy [3] 169	De 162	167	129	34	1	3	698,837
14	Stamped and enameled ware, not elsewhere specified.	3	22	1	1	.....	1	19	Ja [3] 35	Se [3] 12	31	18	8	.....	5	23,021
15	Stencils and brands	4	21	8	.....	.....	.....	13	(4) 13	(4) 13	13	11	1	1	.....	10,673
16	Structural ironwork, not made in steel works or rolling mills.	5	175	3	8	10	3	151	Oc 180	De 111	126	125	1	.....	.....	217,118
17	Suspenders, garters, and elastic woven goods.	6	640	1	8	3	7	621	Mh 685	De 495	495	225	246	8	16	1,067,603
18	Tinware, not elsewhere specified	6	171	5	8	7	3	148	Ja 164	Ap 135	145	113	27	.....	5	155,667
19	Tobacco, chewing and smoking, and snuff.	3	14	4	.....	1	.....	9	Je 13	Ja [3] 7	8	5	3	.....	.....	14,020
20	Tobacco, cigars	43	289	47	2	9	3	228	Se 243	No 217	228	185	42	1	.....	176,653
21	Tools, not elsewhere specified	19	243	23	9	5	7	199	Mh 229	Oc 176	182	176	5	1	.....	266,309
22	Toys and games	4	34	3	.....	.....	1	30	De 46	Ja [3] 27	45	15	27	2	1	23,879
23	Wirework	11	120	14	7	6	5	88	Au 107	Mh 76	87	78	6	3	.....	270,729
24	Wood, turned and carved	10	194	9	5	2	3	175	My 190	Fe 163	167	154	11	.....	2	247,810
25	Woolen and worsted goods	80	23,521	22	269	370	115	22,745	Oc 23,466	De 21,231	23,024	11,508	9,985	664	867	57,139,949
26	All other industries*	229	15,941	170	352	802	368	14,249	.....	.....	.....	.....	.....	.....	.....	47,205,042

* All other industries embrace—

Aeroplanes and parts	1
Aluminum ware	1
Ammunition	1
Artists' materials	2
Automobiles	1
Baking powders	1
Baskets, and rattan and willow ware	1
Blacking, stains, and dressings	2
Bookbinding and blank-book making	9
Boot and shoe findings	3
Boots and shoes, not including rubber boots and shoes	2
Boots and shoes, rubber	4
Boxes, wooden packing	7
Brick	1
Butter	2
Buttons	2
Card cutting and designing	2
Cars and general shop construction and repairs by electric-railroad companies	2
Cars and general shop construction and repairs by steam-railroad companies	2
Cash registers and calculating machines	2
Chemicals	3
Clocks	2
Clothing, men's	2
Clothing, women's	5
Coffee, roasting and grinding	2
Coffins, burial cases, and undertakers' goods	1
Combs and hairpins, not made from metal or rubber	1
Cutlery and edge tools	1
Dental goods	1
Druggists' preparations	2
Emery and other abrasive wheels	1
Engines, steam, gas, and water	2
Engraving, steel and copper plate, including plate printing	6
Engraving, wood	2
Fertilizers	2
Files	4
Flags and banners	1
Food preparations, not elsewhere specified	11
Fur goods	4
Gas machines and gas and water meters	1
Glass	1
Gold leaf and foil	3
Haircloth	1
Hardware	4
Hat and cap materials	1
Hats, fur-felt	1
Hats, wool-felt	1
Horseshoes	1
House-furnishing goods, not elsewhere specified	2
Ice, manufactured	2
Instruments, professional and scientific	2
Iron and steel, steel works and rolling mills	3

	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	**PAWTUCKET**—All industries.	235	17,955	180	341	499	222	16,713	Mh 17,108	De 16,238	16,883	9,597	6,458	334	494	$50,354,341
2	Brass and bronze products	3	34	2	4	1	1	26	Ja 31	Ap 23	29	29	.....	.....	.....	76,549
3	Bread and other bakery products	20	152	24	4	2	6	116	My [3] 119	Oc 113	116	109	7	.....	.....	53,473
4	Copper, tin, and sheet-iron work	9	91	11	3	2	4	71	De 78	My [3] 65	75	75	.....	.....	.....	76,935
5	Cotton goods	11	5,632	1	64	86	28	5,453	Je 5,703	Au 5,256	5,499	2,311	2,728	207	253	14,482,269
6	Dyeing and finishing textiles	13	1,433	5	44	55	21	1,308	Je 1,358	Oc 1,252	1,278	995	263	16	4	3,745,518
7	Foundry and machine-shop products.	21	1,806	8	45	60	22	1,671	Ja 1,760	Oc 1,566	1,721	1,692	15	14	.....	4,800,117
8	Hosiery and knit goods	3	547	.....	12	6	6	523	Ap 647	Se 396	527	76	423	3	25	861,389
9	Jewelry	9	306	7	5	8	6	280	Oc 302	Fe 256	278	185	90	1	2	521,084
10	Lumber, planing-mill products, not including planing mills connected with sawmills.	7	318	5	14	18	3	278	Ja 308	De [3] 247	261	260	1	.....	.....	524,059
11	Marble and stone work	4	14	6	.....	.....	.....	8	(4) 8	(4) 8	8	8	.....	.....	.....	18,210

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$204,780	$117,952	$562,301	$15,475	$57,268	$11,749	$621,525	$20,635	$2,006,139	$1,363,979	696	.....	19	2	675	2	1
128,324	210,410	448,200	46,859	28,953	48,275	467,148	29,796	2,183,284	1,686,340	1,852	977	28	2	845	12	2
113,444	173,943	384,337	4,180	22,970	46,941	420,196	27,535	1,882,932	1,435,201	1,767	965	15	.....	787	12	3
10,540	15,289	63,651	2,097	5,117	1,251	39,701	2,261	199,930	157,968	85	12	13	2	58	.....	4
4,340	21,178	212	40,582	866	83	7,251	.....	100,422	93,171	.....	.....	.....	.....	.....	.....	5
83,028	178,577	820,796	.....	35,450	49,394	3,974,277	88,132	6,088,988	2,026,579	3,350	2,810	300	.....	240	2,378	6
1,100	1,200	11,380	.....	3,376	134	19,168	277	51,983	32,538	2	.....	.....	.....	2	.....	7
12,716	3,116	50,168	.....	4,876	1,191	826,242	4,996	972,957	141,719	154	39	17	.....	98	.....	8
4,175	3,557	61,166	15	5,953	971	40,668	2,208	158,774	115,898	363	230	14	.....	119	1	9
1,560	1,376	19,421	1,620	1,090	33	9,114	154	42,373	33,105	5	.....	.....	.....	5	.....	10
103,515	93,198	1,191,969	290,794	7,311	43,198	5,271,156	55,438	7,664,472	2,337,878	3,509	2,675	30	400	404	1,210	11
26,312	25,310	105,201	.....	200	4,536	4,148,751	9,247	4,497,456	339,458	336	165	3	.....	168	.....	12
57,420	67,755	85,200	.....	2,358	6,267	912,358	16,545	1,539,069	610,166	461	330	6	125	.....	26	13
390	117	5,253	.....	285	265	3,588	400	12,218	8,230	22	.....	.....	.....	22	.....	14
.....	.....	8,970	300	1,628	43	5,625	131	24,223	18,467	3	.....	2	.....	1	.....	15
16,392	16,754	123,271	10,000	2,172	2,124	277,255	5,409	514,998	232,334	290	.....	15	.....	275	.....	16
37,807	18,775	302,102	6,850	2,151	8,501	721,448	12,642	1,222,132	488,042	1,528	250	40	100	1,138	.....	17
14,304	7,016	70,144	.....	4,281	1,575	191,452	1,899	322,581	129,230	93	75	3	.....	15	.....	18
.....	160	3,202	.....	720	4,477	11,435	106	24,083	12,542	3	.....	.....	.....	3	.....	19
6,000	10,963	140,444	250	4,784	41,415	136,815	1,220	411,987	273,952	.....	.....	.....	.....	.....	.....	20
11,566	12,915	122,529	1,222	10,022	3,164	48,765	4,716	275,409	221,928	177	25	35	.....	117	.....	21
.....	123	8,292	.....	910	70	6,969	120	20,539	13,450	3	.....	.....	.....	3	.....	22
18,133	12,181	54,708	600	9,714	3,217	59,527	4,205	234,547	170,815	100	.....	.....	.....	100	.....	23
9,720	2,908	93,453	.....	4,518	1,697	83,542	4,384	219,035	131,109	410	273	3	20	114	60	24
854,751	601,551	11,367,502	217,123	106,645	386,592	40,723,893	1,010,906	60,888,755	19,153,956	50,206	42,152	1,113	4,980	1,961	10,875	25
1,095,297	1,161,367	7,884,778	248,684	164,939	363,846	25,128,514	658,527	46,025,664	20,238,623	29,579	23,844	1,187	683	3,835	5,623	26

Iron and steel forgings	2	Minerals and earths, ground	1	Regalia and society badges and emblems	1	Stoves, gas and oil	1
Iron and steel, nails and spikes, cut and wrought, including wire nails	1	Mucilage and paste	1	Screws, machine	1	Surgical appliances	2
Ivory, shell, and bone work, not including combs and hairpins	5	Musical instruments and materials, not specified	1	Screws, wood	2	Trunks and valises	2
Japanning	1	Musical instruments, organ materials	1	Sewing machines and attachments	1	Umbrellas and canes	1
Labels and tags	2	Needles, pins, and hooks and eyes	1	Shipbuilding, iron and steel	2	Upholstering materials, not elsewhere specified	1
Lamps and reflectors	1	Oil, cottonseed, and cake	1	Shirts	2	Varnishes	2
Lapidary work	1	Oil, not elsewhere specified	2	Show cases	2	Vault lights and ventilators	1
Lead, bar, pipe, and sheet	2	Oleomargarine	4	Silversmithing and silverware	10	Vinegar and cider	2
Leather goods, not elsewhere specified	4	Optical goods	3	Sporting and athletic goods	2	Washing machines and clothes wringers	1
Leather, tanned, curried, and finished	2	Paints	4	Statuary and art goods	1	Waste	2
Lime	1	Paper and wood pulp	1	Steam fittings and steam and hot-water heating apparatus	3	Window and door screens	1
Lubricating greases	2	Pencils, lead	1	Steam packing	1	Wire	1
Mattresses and spring beds	6	Plumbers' supplies, not elsewhere specified	3	Stereotyping and electrotyping	1	Wooden goods, not elsewhere specified	1
				Stoves and ranges	1	Wool shoddy	3

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

$1,039,351	$795,249	$8,564,309	$180,178	$77,607	$470,914	$24,078,645	$825,261	$42,028,728	$17,124,822	36,148	28,741	470	968	5,969	18,093	1
6,561	1,092	14,077	.....	276	736	42,923	2,833	90,775	45,019	39	.....	.....	.....	39	.....	2
7,240	3,329	71,948	.....	5,732	1,236	228,078	5,669	386,404	152,657	63	6	.....	.....	57	.....	3
3,455	4,048	50,438	400	3,163	276	86,258	519	177,601	90,824	.....	.....	.....	.....	.....	.....	4
183,682	92,177	2,552,322	4,134	2,500	123,559	6,133,434	197,242	10,560,754	4,230,078	15,396	13,940	20	150	1,286	12,861	5
102,359	82,323	676,755	3,050	2,998	26,051	1,550,776	142,137	2,901,751	1,208,838	3,181	2,875	.....	40	266	513	6
128,115	99,305	1,021,521	10,686	11,562	33,624	875,501	57,645	2,815,444	1,882,298	1,961	757	33	35	1,136	242	7
61,225	14,254	204,690	.....	.....	6,033	674,955	7,051	1,106,959	424,953	205	125	.....	.....	80	1	8
25,745	16,358	177,384	404	5,849	4,293	248,835	8,484	557,252	299,933	310	75	122	20	93	304	9
35,719	19,228	183,367	.....	10,568	4,067	420,431	5,574	798,419	372,414	600	335	175	.....	90	.....	10
.....	.....	6,200	.....	50	156	6,802	506	25,299	17,991	21	.....	.....	.....	21	.....	11

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

[4] Same number reported throughout the year.

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

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS—DEC. 15, OR NEAREST REPRESENTATIVE DAY— Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PAWTUCKET—Continued.															
1	Mineral and soda waters	3	13	3	.....	.....	.....	10	(3) 10	(3) 10	10	10	.....	.....	.....	$7,650
2	Paper goods, not elsewhere specified	5	98	3	10	.....	5	80	No 84	Ja 77	79	79	.....	.....	.....	314,196
3	Printing and publishing, job work only.	8	74	9	5	1	3	56	De 71	Jy 51	57	40	17	.....	.....	115,335
4	Tobacco manufactures	15	112	19	.....	4	2	87	Jy 4 92	Fe 79	89	70	19	.....	.....	69,898
5	All other industries *	104	7,325	77	131	256	115	6,746	.....	.....	6,856	3,658	2,895	93	210	24,687,659

* All other industries embrace—

Artificial stone products	1
Automobile bodies and parts	1
Belting, leather	1
Bookbinding and blank-book making	1
Boxes and cartons, paper	2
Brooms, from broom corn	3
Brushes	5
Cardboard, not made in paper mills	1
Carpets, rag	1
Carriages and wagons	3
Cleansing preparations	1
Clocks	1
Coffee, roasting and grinding	1
Confectionery and ice cream	6
Cooperage	3
Cordage and twine	1
Cotton lace	4
Cotton small wares	11
Dyestuffs and extracts	2
Electrical machinery, apparatus, and supplies	2
Fancy articles, not elsewhere specified	1
Food preparations, not elsewhere specified	4
Furnishing goods, men's	1
Furniture, store, and office fixtures	1
Gas, illuminating and heating	1
Grease and tallow, not including lubricating greases	3
Horseshoes	1

1	**PROVIDENCE**—All industries	1,207	50,257	1,096	1,356	2,269	1,360	44,176	Ja 46,020	De 40,852	44,451	31,195	12,148	517	591	119,672,709
2	Artificial stone products	7	69	10	2	3	.....	54	My 75	Fe 26	52	52	.....	.....	.....	49,989
3	Automobile repairing	15	115	18	2	3	3	89	Ap 98	De 74	77	77	.....	.....	.....	91,539
4	Boxes and cartons, paper	7	442	4	11	23	12	392	Oc 413	Je 371	390	136	241	2	11	275,144
5	Brass, bronze, and copper products	13	114	12	6	4	4	88	Oc 98	Ap 81	95	88	5	1	1	216,494
6	Bread and other bakery products	96	885	111	18	68	37	651	No 665	Ap 4 639	676	622	51	3	.....	924,857
7	Brooms, from broom corn	3	11	3	.....	.....	.....	8	3 8	3 8	9	9	.....	.....	.....	1,929
8	Brushes	4	28	5	1	1	.....	21	Mh 24	Jy 4 18	23	10	13	.....	.....	20,206
9	Carriages, wagons, and repairs	17	186	17	7	5	5	152	Ap 4 163	De 4 143	144	143	1	.....	.....	199,546
10	Clothing, women's	4	32	6	3	.....	.....	23	Ap 4 25	Je 4 22	24	3	19	2	.....	5,950
11	Confectionery and ice cream	22	249	16	11	21	6	195	Jy 213	Fe 177	204	101	92	1	10	308,321
12	Confectionery	10	171	7	7	19	2	136	De 148	Jy 125	155	54	90	1	10	124,813
13	Ice cream	12	78	9	4	2	4	59	Jy 88	Ja 45	49	47	2	.....	.....	183,508
14	Copper, tin, and sheet-iron work	34	336	40	12	9	7	268	Ja 289	My 254	271	271	.....	.....	.....	343,522
15	Cotton goods, including cotton small wares.	10	1,681	8	18	17	13	1,625	Ap 1,728	No 1,534	1,535	703	790	18	24	2,818,424
16	Dyeing and finishing textiles	7	1,628	1	21	53	13	1,540	Ja 1,638	De 1,460	1,484	1,216	240	12	16	5,699,731
17	Electrical machinery, apparatus, and supplies.	8	666	4	17	34	35	576	Ja 654	De 485	588	424	157	3	4	1,375,493
18	Electroplating	21	200	24	4	3	8	161	Ja 200	Au 135	150	126	8	15	1	260,405
19	Foundry and machine-shop products	70	6,431	55	229	294	138	5,715	Ja 6,203	Oc 5,113	5,733	5,624	73	34	2	18,625,345
20	Furniture	8	99	6	6	1	3	83	Ja 102	Jy 69	78	72	1	5	.....	140,277
21	Gas and electric fixtures	4	32	5	.....	1	2	24	3 24	3 24	24	19	5	.....	.....	28,260
22	Glass, cutting, staining, and ornamenting.	7	35	8	.....	.....	2	25	Je 28	Jy 23	25	25	.....	.....	.....	21,904
23	Gold and silver, reducing and refining, not from the ore.	15	123	12	15	16	7	73	Ja 80	Je 4 69	72	72	.....	.....	.....	1,006,268
24	Hand stamps	4	11	4	.....	.....	.....	7	3 7	3 7	8	8	.....	.....	.....	5,020
25	Hosiery and knit goods	7	853	3	12	14	8	816	Oc 861	Mh 4 783	786	131	622	6	27	1,137,316
26	Jewelry	277	10,140	253	356	509	543	8,479	Ja 9,073	Jy 7,835	8,490	5,698	2,650	101	41	16,261,534
27	Liquors, malt	3	266	.....	14	35	5	212	Jy 4 216	Fe 207	214	214	.....	.....	.....	2,262,828
28	Lumber, planing-mill products, not including planing mills connected with sawmills.	13	307	7	21	20	3	256	Je 279	De 217	231	230	.....	1	.....	602,316
29	Marble and stone work	11	50	12	.....	.....	.....	38	Oc 70	De 20	63	63	.....	.....	.....	51,720
30	Mineral and soda waters	19	82	17	2	5	3	55	Jy 71	De 44	50	47	3	.....	.....	85,139
31	Photo-engraving	4	35	6	1	3	.....	25	De 4 29	Mh 16	29	28	1	.....	.....	15,475
32	Printing and publishing, book and job	73	1,036	75	58	69	59	775	Ja 816	Au 735	776	536	225	12	3	1,313,902
33	Printing and publishing, newspapers and periodicals.	25	552	10	34	150	33	325	Oc 331	Au 318	328	321	3	4	.....	1,834,068
34	Saddlery and harness	8	24	8	.....	2	.....	14	Ja 4 15	No 4 13	13	13	.....	.....	.....	11,315
35	Sausage	8	87	8	8	1	2	68	Ja 4 71	Jy 4 66	66	66	.....	.....	.....	147,278

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).	Electric horsepower generated in establishments reporting.	
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
.....	.....	$6,215	.....	$200	$30	$3,309	$320	$14,380	$10,751	8	8	.....	.....	.....	.....	1
$28,180	$5,693	51,639	$590	.....	2,241	303,742	18,696	474,598	152,160	684	200	6	.....	478	.....	2
6,996	3,655	32,604	3,142	3,020	409	41,363	1,544	117,868	74,961	49	.....	14	.....	35	.....	3
.....	3,790	40,127	250	1,302	11,507	42,469	412	117,958	75,077	1	.....	.....	.....	1	.....	4
450,074	449,997	3,475,022	157,522	30,387	256,696	13,419,769	376,629	21,883,266	8,086,868	13,630	10,420	100	723	2,387	4,172	5

Iron and steel, steel works and rolling mills..... 1
Iron and steel, bolts, nuts, washers, and rivets..... 2
Labels and tags..... 1
Leather, tanned, curried, and finished 1
Liquors, malt..... 2
Looking-glass and picture frames..... 1
Millinery and lace goods, embroideries 1
Models and patterns, not including paper patterns..... 3
Patent medicines and compounds..... 1
Printing and publishing, newspapers and periodicals..... 3
Screws, machine..... 1
Silk goods, including throwsters..... 2
Slaughtering and meat packing..... 4
Soap..... 1
Sporting and athletic goods..... 1
Stamped ware, not elsewhere specified 1
Suspenders, garters, and elastic woven goods..... 2
Tools, not elsewhere specified..... 2
Toys and games..... 2
Waste..... 1
Wire..... 1
Wirework..... 2
Wood, turned and carved..... 2
Worsted goods..... 3

$3,626,968	$3,491,336	$24,482,138	$207,503	$839,817	$1,466,173	$61,750,967	$2,218,988	$115,3351,31	$51,365,176	65,041	48,741	2,689	259	13,352	15,976	1
3,120	2,136	35,607	3,191	622	331	34,933	91	99,007	63,983	14	.....	14	.....	.....	.....	2
2,013	3,520	59,900	2,006	5,437	670	47,462	2,897	161,879	111,520	72	.....	19	.....	53	.....	3
26,032	27,635	136,264	1,333	10,118	2,450	234,181	3,170	499,458	262,107	123	40	.....	.....	83	.....	4
15,000	4,523	57,229	2,468	5,162	1,488	151,515	6,074	471,013	313,424	91	35	26	.....	30	5	5
28,184	88,342	404,124	.....	26,281	12,819	1,336,672	50,923	2,437,061	1,049,466	537	290	.....	.....	247	298	6
.....	.....	4,310	.....	555	3	9,750	127	21,700	11,823	6	.....	.....	.....	6	.....	7
1,040	624	9,183	.....	456	77	16,712	517	37,365	20,136	17	.....	7	.....	10	.....	8
8,282	5,980	99,930	1,125	9,145	1,651	85,602	6,998	266,931	174,331	159	.....	42	.....	117	.....	9
1,936	.....	8,724	.....	1,134	93	10,327	30	25,920	15,563	13	.....	7	.....	6	.....	10
25,174	17,953	90,903	1,322	10,367	3,020	519,928	7,581	790,887	263,378	264	75	.....	.....	189	52	11
11,320	12,870	51,150	1,322	8,031	1,312	289,925	3,852	415,295	121,518	98	75	.....	.....	23	52	12
13,854	5,083	39,753	.....	2,336	1,708	230,003	3,729	375,592	141,860	166	.....	.....	.....	166	.....	13
28,321	14,329	190,375	4,018	10,365	2,507	343,486	4,450	695,969	348,033	104	.....	.....	.....	104	.....	14
58,230	31,808	681,213	4,263	7,351	30,210	1,464,406	94,161	2,451,133	892,566	4,759	4,600	114	.....	45	430	15
86,098	68,057	791,076	.....	3,520	48,818	2,144,391	169,473	3,641,006	1,327,142	5,251	4,579	5	.....	667	1,485	16
53,405	68,751	303,761	2,398	4,373	9,790	506,546	33,456	1,088,132	548,130	578	525	17	.....	36	494	17
12,220	6,196	88,635	.....	12,271	1,713	197,079	3,887	401,650	200,684	136	65	13	.....	58	15	18
449,309	389,094	3,750,017	5,641	46,401	173,846	2,662,622	169,857	9,177,132	6,344,653	6,679	4,475	599	.....	1,605	3,789	19
8,230	2,421	47,628	315	2,931	1,164	51,797	3,551	135,375	80,027	199	60	8	.....	131	.....	20
.....	1,641	13,552	.....	2,240	165	21,960	396	51,200	28,844	15	.....	.....	.....	15	.....	21
.....	762	15,458	.....	2,383	122	13,959	151	45,394	31,284	14	.....	.....	.....	14	.....	22
40,956	29,153	52,138	275	13,418	3,466	2,949,456	10,900	3,289,857	329,501	247	165	38	.....	44	.....	23
.....	.....	3,752	400	1,788	40	1,995	12	11,170	9,163	2	.....	.....	.....	2	.....	24
40,545	42,726	384,397	.....	11,705	10,144	767,854	16,807	1,566,183	781,522	648	550	35	.....	63	250	25
986,061	947,753	4,585,388	91,951	290,160	115,398	10,816,171	126,402	20,933,990	9,991,417	4,089	434	421	.....	3,234	35	26
55,676	52,449	195,176	.....	.....	391,433	677,191	55,953	2,021,596	1,288,452	1,091	935	.....	.....	156	835	27
42,845	17,247	165,605	3,000	8,650	5,663	318,001	3,244	653,320	332,075	783	727	10	.....	46	45	28
.....	.....	28,534	.....	1,759	502	15,097	2,078	59,003	41,828	105	65	18	.....	22	.....	29
2,200	2,309	24,927	.....	2,106	856	53,640	1,650	121,446	66,156	38	.....	.....	.....	38	.....	30
1,950	1,715	18,891	.....	2,904	101	8,094	665	40,962	32,203	8	.....	.....	.....	8	.....	31
185,984	110,741	468,102	10,975	51,698	9,521	522,144	16,359	1,679,829	1,141,326	587	.....	5	.....	582	2	32
94,795	152,139	297,633	37,260	21,354	39,344	326,141	21,069	1,566,143	1,218,933	1,555	900	.....	.....	655	.....	33
.....	1,200	8,534	.....	2,694	72	10,878	205	31,629	20,546	2	.....	.....	.....	2	.....	34
12,716	2,028	46,128	.....	4,776	1,025	772,006	4,446	902,517	126,065	122	25	12	.....	85	.....	35

[1] Same number reported throughout the year.

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

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

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS—DEC. 15, OR NEAREST REPRESENTATIVE DAY— Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PROVIDENCE—Continued.															
1	Tobacco manufactures	20	145	20	2	5	.....	118	Se 132	Ja 108	113	93	20	.....	.....	95,531
2	Tools, not elsewhere specified	15	193	18	7	5	5	158	Mh 177	Oc 145	145	139	5	1	.....	152,518
3	Woolen and worsted goods and wool hats	18	8,990	3	75	92	28	8,792	My 9,600	De 7,618	8,975	4,400	4,006	226	343	20,899,996
4	All other industries *	330	14,124	287	383	803	376	12,275	.....	.....	12,510	9,415	2,917	70	108	42,383,149

* All other industries embrace:

Aeroplanes and parts 1
Artists' materials 1
Automobile bodies and parts 3
Automobiles 1
Awnings, tents, and sails 2
Baking powders 1
Belting, leather 1
Blacking, stains, and dressings 2
Bookbinding and blank-book making 7
Boot and shoe findings 3
Boots and shoes, not including rubber boots and shoes 1
Boots and shoes, rubber 1
Buttons 2
Card cutting and designing 2
Carpets, rag 2
Cars and general shop construction and repairs by steam-railroad companies 1
Cash registers and calculating machines 2
Cheese 2
Chemicals 1
Cleansing and polishing preparations 1
Clocks 1
Clothing, men's 2
Coffee, roasting and grinding 1
Coffins, burial cases, and undertakers' goods 1
Cooperage, hogsheads and barrels 1
Dental goods 1
Druggists' preparations 2
Dyestuffs and extracts 1
Emery and other abrasive wheels 1
Enameling 17
Engines, steam, gas, and water 2
Engraving and diesinking 49
Engraving, steel and copper plate, including plate printing 4
Engraving, wood 2
Fancy articles, not elsewhere specified 8
Files 4
Flags and banners 1
Flavoring extracts 4
Food preparations, not elsewhere specified 5
Fur goods 4
Furnishing goods, men's 1
Gas, illuminating and heating 2
Gas machines and gas and water meters 1
Gold, leaf and foil 3
Hair work 1
Hardware 2
Hats and caps, other than felt, straw, and wool 3
Hats, fur-felt 1
House-furnishing goods 1
Instruments, professional and scientific 2
Iron and steel, bolts, nuts, washers, and rivets 1
Iron and steel forgings 2
Iron and steel, nails and spikes 1
Ivory, shell, and bone work, not including combs and hairpins 5

	CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																
1	CENTRAL FALLS	45	3,332	29	78	92	56	3,077	Ja 3,396	No 2,785	2,990	1,499	1,310	55	126	$7,634,861
2	CRANSTON	39	2,526	29	82	153	44	2,218	Ap 2,424	No 2,022	2,278	2,079	176	14	9	6,723,964
3	CUMBERLAND	24	4,800	14	31	66	23	4,666	Mh 4,772	Au 4,442	4,630	2,613	1,740	134	143	15,969,941
4	EAST PROVIDENCE	38	2,127	29	36	132	24	1,906	Mh 2,020	De 1,785	1,813	1,595	190	21	7	7,089,143
5	LINCOLN	15	2,881	10	17	196	56	2,602	Ja 2,792	Au 2,434	2,536	1,815	650	29	42	6,965,282
6	NEWPORT	89	1,134	96	38	59	48	893	My 1,066	De 765	987	861	116	3	7	1,870,536
7	WARWICK	58	6,686	40	78	99	30	6,439	My 6,626	No 6,085	6,646	4,266	2,101	137	142	15,407,180
8	WOONSOCKET	157	11,623	131	168	253	119	10,952	Fe 11,345	Jy 9,998	11,133	6,199	4,430	248	256	28,679,811

[1] Owned power only.

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$6,000	$5,731	$86,224	.....	$2,981	$27,438	$81,897	$762	$251,818	$169,159	2	.....	.....	.....	2	.....	1
9,992	10,092	99,642	$1,222	7,672	1,087	37,420	3,661	226,913	185,832	114	25	7	.....	82	.....	2
258,599	130,814	4,537,189	750	22,686	173,406	13,556,773	394,447	20,846,996	6,895,776	18,497	17,655	.....	234	608	3,857	3
1,081,155	1,251,467	6,691,989	33,590	232,354	395,740	20,982,881	1,002,538	38,633,547	16,648,128	18,120	12,516	1,272	25	4,307	4,384	4

Japanning	1
Jewelry and instrument cases	3
Lamps	1
Lapidary work	1
Lead, bar, pipe, and sheet	2
Leather goods, not elsewhere specified	3
Leather, tanned, curried, and finished	1
Looking-glass and picture frames	5
Lubricating greases	2
Mattresses and spring beds	5
Models and patterns, not including paper patterns	9
Mucilage and paste	1
Musical instruments and materials, not specified	1
Musical instruments, organ materials	1
Needles, pins, and hooks and eyes	1
Oil, cottonseed, and cake	1
Oil, not elsewhere specified	2
Oleomargarine	4
Optical goods	3
Paints	3
Paper goods, not elsewhere specified	1
Patent medicines and compounds	20
Pencils, lead	1
Perfumery and cosmetics	2
Pickles, preserves, and sauces	6
Plumbers' supplies, not elsewhere specified	2
Regalia and society badges and emblems	1
Rubber goods, not elsewhere specified	4
Screws, wood	2
Sewing machines and attachments	1
Shirts	1
Show cases	1
Signs and advertising novelties	3
Silk goods, including throwsters	2
Silversmithing and silverware	10
Slaughtering and meat packing	3
Soap	5
Sporting and athletic goods	1
Stamped and enameled ware	2
Statuary and art goods	1
Steam fittings and steam and hot-water heating apparatus	1
Stencils and brands	4
Stereotyping and electrotyping	1
Stoves and ranges	1
Stoves, gas and oil	1
Structural ironwork, not made in steel works or rolling mills	5
Surgical appliances	2
Suspenders, garters, and elastic woven goods	1
Tinware, not elsewhere specified	3
Toys and games	2
Trunks and valises	2
Varnishes	1
Vault lights and ventilators	1
Wirework	7
Wood, turned and carved	4
Wool shoddy	1

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																
$198,054	$162,624	$1,485,735	$79,155	$23,100	$49,627	$3,649,071	$134,735	$6,748,296	$2,964,490	6,037	2,910	38	235	2,854	200	1
212,009	186,621	1,361,437	178	18,371	343,279	3,578,043	192,370	6,706,138	2,935,725	5,473	3,665	1	.....	1,807	859	2
169,056	71,900	2,371,241	152,728	1,875	101,303	4,287,025	172,362	7,972,387	3,513,000	15,337	11,792	105	3,192	248	367	3
95,811	146,659	1,003,250	141	6,605	44,116	4,677,706	229,989	7,000,109	2,092,414	9,424	9,286	49	.....	89	4,822	4
71,400	240,781	1,273,310	.....	53,463	35,138	2,733,299	247,129	5,485,354	2,504,926	10,282	8,585	115	1,450	132	5,344	5
55,789	62,600	632,349	242,114	48,661	17,826	785,749	74,423	2,298,576	1,438,404	1,339	669	272	1	397	.....	6
198,159	102,269	3,128,767	9,178	7,185	91,995	6,595,278	338,217	11,655,597	4,722,102	24,576	17,212	23	6,787	554	2,617	7
496,195	435,804	5,302,923	33,479	39,548	231,553	16,578,488	477,917	28,115,187	11,058,782	35,707	22,734	971	7,521	4,481	4,207	8

[2] Includes rented power, other than electric.

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

CENSUS OF MANUFACTURES: 1914

SOUTH CAROLINA

Prepared under the supervision of W. M. STEUART, Chief Statistician for Manufactures

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1917

EXPLANATION OF TERMS.

Scope of census.—Census statistics of manufactures are compiled primarily for the purpose of showing the absolute and relative magnitude of the different branches of industry covered and their growth or decline. Incidentally, the effort is made to present data throwing light upon character of ownership, size of establishments, and similar subjects. When use is made of the statistics for these purposes it is imperative that due attention should be given to their limitations, particularly in connection with any attempt to derive from them figures purporting to show average wages, cost of production, or profits.

The census did not cover establishments which were idle during the entire year or whose products were valued at less than $500, or the manufacturing done in educational, eleemosynary, and penal institutions.

Period covered.—The returns relate to the calendar year 1914, or the business year which corresponded most nearly to that calendar year, and cover a year's operations, except for establishments which began or discontinued business during the year.

The establishment.—As a rule, the term "establishment" represents a single plant or factory, but in some cases it represents two or more plants which were operated under a common ownership or for which one set of books of account was kept. If, however, the plants constituting an establishment as thus defined were not all located within the same city or state, separate reports were secured in order that the figures for each plant might be included in the statistics for the city or state in which it was located. In some instances separate reports were secured for different industries carried on in the same establishment.

Classification by industries.—The establishments were assigned to the several classes of industries according to their products of chief value. The products reported for a given industry may thus, on the one hand, include minor products very different from those covered by the class designation, and, on the other hand, may not include the total product covered by this designation, because some part of this product may be made in establishments in which it is not the product of chief value.

As a rule, the same designation is used for the industry wherever it appears, although all of the products indicated by this designation were not manufactured in the state or city for which these statistics are presented. In some instances the wording is changed so as to more correctly describe the products represented. For a number of industries subclasses are shown which indicate more definitely the kind of products.

Selected industries.—The general tables at the end of this bulletin give the principal facts separately for the industries of the state. A selection has been made of the leading industries of the state for more detailed consideration. Sometimes an industry of greater importance than some of those selected is omitted because it comprises so few establishments that these detailed presentations would reveal the operations of individual concerns.

Comparisons with previous censuses.—Owing to changes in industrial conditions it is not always possible to classify establishments by industries in such a way as to permit accurate comparison with preceding censuses. At the census of 1909 the figures for kindred industries were combined. This practice, as a rule, has been followed in compiling the statistics of 1914 when placed in comparison with those for 1909 and prior years. The comparative summary for 1914, 1909, and 1904, therefore, does not show separately all the industries given for 1914 in the detailed statement for the state.

Influence of increased prices.—In comparing figures for cost of materials, value of products, and value added by manufacture in 1914 and 1909 with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years. To the extent to which this factor has been influential the figures fail to afford an exact measure of the increase in the volume of business.

Persons engaged in the industry.—The following general classes of persons engaged in the manufacturing industries were distinguished: (1) Proprietors and firm members, (2) salaried officers of corporations, (3) superintendents and managers, (4) clerks (including other subordinate salaried employees), and (5) wage earners. In the reports for the censuses of 1904 and 1899 these five classes were shown according to the three main groups: (1) Proprietors and firm members, (2) salaried officials, clerks, etc., and (3) wage earners. In comparative tables covering the census of 1904 it is of course necessary to group the figures according to the classification that was employed at the earlier censuses.

The number of persons engaged in each industry, segregated by sex, and, in the case of wage earners, also by age (whether under 16 or 16 and over), was reported for a single representative day. The 15th of December was selected as representing for most industries normal conditions of employment, but where this date was not a representative day an earlier date was chosen.

In the case of employees other than wage earners the number thus reported for the representative date has been treated as equivalent to the average for the year, since the number of employees of this class does not ordinarily vary much from month to month. In the case of wage earners the average has been obtained in the manner explained in the next paragraph.

In addition to the more detailed report by sex and age of the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, without distinction of sex or age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported for the several months by 12. The average thus obtained approximates the number of wage earners that would be required to perform the work done if all were constantly employed during the entire year. Accordingly, the importance of the industry as an employer of labor is believed to be more accurately measured by this average than by the number employed at any one time or on a given day.

The number of wage earners reported for the representative day, though given in certain tables for each separate industry, is not totaled for all industries combined for any state, because, in view of the variations of date, such a total is believed not to be significant. It would involve more or less duplication of persons working in different industries at different times, would not represent the total number employed in all industries at any one time, and would give an undue weight to seasonal industries as compared with industries in continual operation. This total, however, is shown for the different cities, because the limited area and greater regularity of employment largely overcame the objection incident to its publication for the separate states or the United States.

In particular, totals by sex and age for the wage earners reported for the representative day for all industries combined would be misleading because of the undue weight given to seasonal industries, in some of which, such as canning and preserving, the distribution of the wage earners by sex and age is materially different from that in most industries of more regular operation. In order to determine as nearly as possible the sex and age distribution of the average number of wage earners for a given state as a whole, the per cent distribution by sex and age of the wage earners in each industry for December 15, or the nearest representative day, has been calculated from the actual numbers reported for that date. The percentages thus obtained have been applied to the average number of wage earners for the year in that industry to determine the average number of men, women, and children employed. These calculated averages for the several industries have been added to give the average distribution for each state as a whole and for the entire country.

Salaries and wages.—Under these heads are given the total payments during the year for salaries and wages, respectively. The Census Bureau has not undertaken to calculate the average annual earnings of either salaried employees or wage earners. Such averages would possess little real value, because they would be based on the earnings of employees of both sexes, of all ages, and of widely varying degrees of skill. Furthermore, so far as wage earners are concerned, it would be impossible to calculate accurately even so simple an average as this, since the number of wage earners fluctuates from month to month in every industry, and in some cases to a very great extent. The Census Bureau's figures for wage earners, as already explained, are averages based on the number employed on the 15th of each month and represent the approximate number who would be required to perform the work in any industry if all were continuously employed during the year, whereas the actual number to whom the total wages were paid would be larger.

Prevailing hours of labor.—No attempt was made to ascertain the number of wage earners working a given number of hours per week. The inquiry called merely for the prevailing practice followed in each establishment. Occasional variations in hours in an establishment from one part of the year to another were disregarded, and no attention was paid to the fact that a few wage earners might have hours differing from those of the majority. All the wage earners of each establishment are therefore counted in the class within which the establishment itself falls. In most establishments, however, all or practically all the wage earners work the same number of hours, so that the figures give a substantially correct representation of the hours of labor.

Capital.—The instructions on the schedule for securing data relating to capital were as follows:

"The answer should show the total amount of capital, both owned and borrowed, on the last day of the business year reported. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, that fact should be so stated and only the value of the owned property given. Do not include securities and loans representing investments in other enterprises."

These instructions were identical with those employed at the census of 1909. The data compiled in respect to capital, however, at both censuses, as well as at all preceding censuses of manufactures, have been so defective as to be of little value except as indicating very general conditions. In fact, it has been repeatedly recommended by the census authorities that this inquiry be omitted from the schedule. While there are some establishments whose accounting systems are such that an accurate return for capital could be made, this is not true of the great majority, and the figures therefore do not show the actual amount of capital invested.

Materials.—The statistics as to cost of materials relate to the materials used during the year, which may be more or less than the materials purchased during the year. The term "materials" covers fuel, rent of power and heat, mill supplies, and containers, as well as materials which form a constituent part of the product.

Rent and taxes.—The taxes include internal revenue, corporation income tax, and state, county, and local taxes. In some instances the amount of the corporation tax for 1914 had not been ascertained when the report was prepared and the amount paid for 1913 was therefore given.

Value of products.—The amounts given under this heading represent the selling value or price at the factory of all products manufactured during the year, which may differ from the value of the products sold.

Value added by manufacture.—The value of products is not a satisfactory measure of either the absolute or the relative importance of a given industry, because only a part of this value is actually created by the manufacturing processes carried on in the industry itself. Another part, and often by far the larger one, represents the value of the materials used. For many purposes, therefore, the best measure of the importance of an industry is the value created by the manufacturing operations carried on within the industry. This value is calculated by deducting the cost of the materials used from the value of the products. The figure thus obtained is termed in the census reports "value added by manufacture."

Cost of manufacture and profits.—The census data do not show the entire cost of manufacture, and consequently can not be used for the calculation of profits. No account has been taken of interest or depreciation, rent of offices and buildings other than factory or works, insurance, ordinary repairs, advertising, and other sundry expenses.

Primary horsepower.—This item represents the total primary power generated by the manufacturing establishments plus the amount of power, principally electric, rented from other concerns. It does not cover the power of electric motors taking their current from dynamos driven by primary power machines operated by the same establishment, because the inclusion of such power would obviously result in duplication. The figures for primary horsepower represent the rated capacity of the engines, motors, etc., and not the amount of power in actual daily use, since in most cases an engine or motor is not required to deliver continuously its full rated horsepower.

Fuel.—Statistics of the quantity of fuel used are shown only for anthracite and bituminous coal, coke, oil, and gas. They relate to the quantity used during the year, which may be more or less than the quantity purchased. As only the principal varieties of fuel are shown, no comparison can be made with the total cost of all fuel.

SOUTH CAROLINA.

By F. M. Woodward.

GENERAL STATISTICS.

General character of the state.—South Carolina is one of the original thirteen states. With a gross area of 30,989 square miles, of which 30,495 represent land surface, it ranks thirty-ninth in size among the states. Its inhabitants in 1900 numbered 1,340,316, and in 1910, 1,515,400; and its estimated population in 1914 was 1,590,000. In total population South Carolina ranked twenty-sixth among the states in 1910; and in density of population it ranked sixteenth, with 49.7 inhabitants per square mile, the corresponding figure for 1900 being 44.

The urban population in 1910—that is, the population residing in incorporated places of 2,500 or more—was 224,832, or 14.8 per cent of the total, as against 12.8 per cent in 1900. There were in the state in 1914 five cities, each with an estimated population of more than 10,000—Anderson, Charleston, Columbia, Greenville, and Spartanburg. These cities, whose aggregate population in that year formed 9 per cent of the estimated total population of South Carolina, reported 15.7 per cent of the value of the state's manufactured products.

The steam-railway mileage in 1914 was 3,687, and the electric-railway mileage in 1912 was 184.

Agriculture is the leading industry. The total value of farm crops grown in 1909 was $141,983,354, of which $96,381,067, or more than two-thirds, was contributed by cotton and cotton seed. The state's production of cotton from the crop of 1914 was 1,533,810 bales of 500 pounds each, or 9.5 per cent of the total yield in the United States.

The value of merchandise exported through the South Carolina customs district in the fiscal year 1914 was $20,829,302, and that of merchandise imported was $5,548,191.

Importance and growth of manufactures.—The manufactured products of South Carolina in 1914 were valued at $138,891,202 and its factories gave employment on the average during the year to 71,914 wage earners. At times larger numbers were employed, the maximum number—77,256—being reported for March. The state ranked thirty-first in the value of products and twenty-fifth in the number of wage earners employed in manufactures.

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

Table 1

	MANUFACTURING INDUSTRIES.				PER CENT OF INCREASE.[1]		
	1914	1909	1904	1899	1909–1914	1904–1909	1899–1904
Number of establishments	1,885	1,854	1,399	1,369	1.7	32.5	2.2
Persons engaged	77,693	78,040	63,071	(2)	−0.4	23.7	.....
Proprietors and firm members	1,815	1,737	1,241	(2)	4.5	40.0	.....
Salaried employees	3,964	3,257	2,389	1,419	21.7	36.3	68.4
Wage earners (average number)	71,914	73,046	59,441	47,025	−1.5	22.9	26.4
Primary horsepower	340,224	276,378	197,479	112,697	23.1	40.0	75.2
Capital	$203,210,875	$173,220,870	$113,422,224	$62,750,027	17.3	52.7	80.8
Salaries and wages	29,051,568	24,117,038	16,223,952	10,437,838	20.5	48.6	55.4
Salaries	4,878,467	3,756,288	2,355,002	1,307,569	29.9	59.5	80.1
Wages	24,173,101	20,360,750	13,868,950	9,130,269	18.7	46.8	51.9
Paid for contract work	192,410	420,768	159,690	(2)	−54.3	163.5	.....
Rent and taxes (including internal revenue)	1,463,958	1,107,856	[3] 616,766	(2)	32.1	.....	.....
Cost of materials	91,008,996	66,350,874	49,968,626	30,485,861	37.2	32.8	63.9
Value of products	138,891,202	113,235,945	79,376,262	53,335,811	22.7	42.7	48.8
Value added by manufacture (value of products less cost of materials)	47,882,206	46,885,071	29,407,636	22,849,950	2.1	59.4	28.7

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

There was a material increase in the manufactures of the state during the 15 years covered by Table 1. The increase, however, was more pronounced during the five-year periods ending with 1904 and 1909 than during the period ending with 1914. There was a decrease of 1,132, or 1.5 per cent, in the average number of wage earners employed in 1914 as compared with the number reported for 1909. This decrease was due primarily to the decrease in the number employed in the lumber mills of the state and was accompanied by a decrease in the value of products and other features shown for the industry in Table 30. The decrease of 54.3 per cent, shown for the amount paid for contract work, is no indication of a depression in any industry of the state, because the expenditure for such work depends upon the methods followed in carrying on the various industries and not on the magnitude of the operations.

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

Table 2

INDUSTRY.	CENSUS OF 1914.							PER CENT OF INCREASE.[1]								
	Number of establishments.	Wage earners.		Value of products.		Value added by manufacture.		Wage earners (average number).			Value of products.			Value added by manufacture.		
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904	1909–1914	1904–1909	1899–1904
All industries	1,885	71,914	100.0	$138,891,202	100.0	$47,882,206	100.0	−1.5	22.9	26.4	22.7	42.7	48.8	2.1	59.4	28.7
Cotton goods	148	46,448	64.6	78,446,145	56.5	24,556,991	51.3	2.2	22.0	23.4	19.0	33.4	66.3	−0.3	62.8	21.4
Oil, cottonseed, and cake	97	2,037	2.8	16,379,858	11.8	2,736,937	5.7	15.4	37.7	74.7	50.2	99.6	76.1	25.4	139.9	23.0
Fertilizers	55	2,050	2.9	13,824,659	10.0	3,508,920	7.3	10.8	72.8	−39.6	53.2	148.1	−25.5	3.3	259.0	−46.7
Lumber and timber products	793	11,308	15.7	11,657,800	8.4	7,804,570	16.3	−22.6	39.6	47.0	−11.3	58.7	38.9	−14.8	58.7	63.6
Cars and general shop construction and repairs by steam-railroad companies	9	1,431	2.0	2,064,141	1.5	1,115,446	2.3	0.9	25.4	45.7	37.7	38.7	56.4	48.1	16.2	63.2
Printing and publishing	166	893	1.2	1,985,263	1.4	1,532,960	3.2	7.1	33.9	−0.3	24.0	54.2	31.6	21.6	53.0	37.1
Mineral and soda waters	113	391	0.5	1,541,284	1.1	659,572	1.4	34.4	115.6	.....	108.4	149.4	551.8	68.0	118.2	611.8
Foundry and machine-shop products	40	515	0.7	937,472	0.7	551,991	1.2	23.5	−7.3	38.9	71.3	0.9	34.5	49.6	−0.5	57.2
Ice, manufactured	36	368	0.5	818,223	0.6	552,688	1.2	68.8	96.4	52.1	89.1	77.5	110.3	81.7	79.9	113.9
Bread and other bakery products	66	286	0.4	805,602	0.6	300,603	0.6	−22.5	18.6	26.4	−26.8	78.0	17.7	−20.1	51.6	22.8
Hosiery and knit goods	6	771	1.1	749,394	0.5	250,250	0.5	−8.1	−20.7	194.7	14.4	−39.3	175.3	−22.2	−34.9	220.1
Brick, tile, pottery, and other clay products	36	706	1.0	589,852	0.4	349,981	0.7	−23.6	−4.0	−19.1	−22.3	8.9	16.7	−27.5	−4.6	10.0
Carriages, wagons, and repairs	18	209	0.3	499,591	0.4	226,354	0.5	−23.2	−21.4	1.8	7.8	−15.3	32.4	3.3	−14.7	24.0
Gas, illuminating and heating	12	136	0.2	496,225	0.4	327,052	0.7	7.1	17.6	3.8	48.6	73.1	12.2	48.8	64.2	(2)
Flour-mill and gristmill products	37	30	0.0	420,629	0.3	74,443	0.2	.....	.....	.....	20.0	−51.6	−16.6	75.8	−53.3	−31.9
Marble and stone work	37	283	0.4	400,938	0.3	273,042	0.6	19.9	.....	.....	−5.8	.....	.....	−3.0	.....	.....
Canning and preserving	16	464	0.7	345,064	0.2	147,155	0.3	−0.1	.....	.....	8.5	.....	.....	−7.8	.....	.....
Confectionery	22	85	0.1	226,204	0.2	130,902	0.3	.....	.....	.....	218.5	133.8	−11.2	284.9	192.4	−32.0
Clothing, men's	4	116	0.2	214,559	0.1	61,580	0.1	.....	.....	.....	54.8	.....	.....	38.8	.....	.....
Food preparations, not elsewhere specified	5	16	(3)	202,248	0.1	19,576	(3)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Paving materials	5	245	0.3	188,946	0.1	145,757	0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Turpentine and rosin	35	221	0.3	151,801	0.1	94,700	0.2	−50.1	162.1	−80.9	−62.6	−29.3	−27.2	−60.9	21.0	−36.9
Copper, tin, and sheet-iron work	9	71	0.1	121,667	0.1	60,691	0.1	.....	.....	.....	−39.2	400.0	−65.5	−35.5	248.1	−47.1
All other industries	120	2,834	3.9	5,823,637	4.2	2,400,045	5.0	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 30; a minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or when comparable figures can not be given.
[2] Same number reported for both years.
[3] Less than one-tenth of 1 per cent.

Separate statistics are presented for 23 industries, or industry groups, for each of which products valued at more than $100,000 were reported for 1914. These industries include 4 with products exceeding $10,000,000 in value, 3 with products between $1,000,000 and $3,000,000, 5 with products between $500,000 and $1,000,000, and 11 with products between $100,000 and $500,000. Among those included under the head of "all other industries," are the following, which have products exceeding in value some for which figures are shown in the table, but for which statistics can not be shown separately without the possibility of disclosing individual operations: Cordage and twine; dyeing and finishing textiles; electrical machinery; men's furnishing goods; jute goods; rice, cleaning; steam packing; and surgical appliances.

The industries in this table are arranged in the order of their importance as shown by value of products, but the arrangement would vary from that given if based on average number of wage earners or value added by manufacture. The leading industry, cotton goods, and the third, fertilizers, are the only ones ranking the same in all three respects. Oil, cottonseed, and cake, second in value of products, was fourth in number of wage earners and value added by manufacture. Lumber, ranking fourth in value of products, ranked second in average number of wage earners and value added by manufacture.

Based on the value of products, the manufacture of cotton goods, cottonseed products, fertilizers, and lumber, in the order named, were the four leading industries of the state at the census of 1914, but at the census of 1909 these industries ranked first, third, fourth, and second, respectively. But slight changes are shown in the relative rank of the other industries.

Cotton goods.—The manufacture of cotton goods is the most important industry of the state. During 1914 it gave employment to 64.6 per cent of the wage earners, and its products formed 56.5 per cent of the total for all industries. There were only two states—Massachusetts and North Carolina—that exceeded the state in value of cotton manufactures for 1914. During the five-year period 1909–1914 the total value of products increased from $65,930,000 to $78,446,000, or 19 per cent, and the average number of wage earners from 45,454 to 46,448, or 2.2 per cent. The industry is naturally fostered by the cotton crop of the state. There were 1,418,704 bales, or about 688,910,000 pounds, of lint cotton obtained from the crop of 1913–14, and, as shown by Table 22, the mills consumed, during 1914, 372,464,143 pounds of domestic cotton. While it may be that a small amount was obtained from adjoining states, practically all of this was grown in South Carolina.

Oil, cottonseed, and cake.—Second in importance in the state, this industry, which includes establishments

engaged principally in extracting oil from cotton seed or in refining the crude oil, shows a marked increase from census to census in both value of products and wage earners. The percentages of increase during the three five-year periods 1909–1914, 1904–1909, and 1899–1904 for value of products were 50.2, 99.6, and 76.1 per cent, respectively, and for wage earners, 15.4, 37.7, and 74.7, respectively.

Fertilizers.—The growth of the cottonseed-oil industry and the utilization of phosphate rock have resulted in an increase in the manufacture of fertilizers.

The Geological Survey reported 106,919 long tons of phosphate rock marketed in South Carolina in 1914, valued at $415,039. South Carolina was the first state in the union to mine and to use this product as the basis of commercial fertilizer, and for many years produced the larger part of the world's supply. There were engaged in the manufacture of fertilizer 55 establishments in 1914, giving employment to an average of 2,050 wage earners, and reporting a product valued at $13,824,659, the percentage of increase over 1909 figures being 10.8 per cent for wage earners and 53.2 for value of products.

Lumber and timber products.—This industry embraces the operations of logging camps, sawmills, planing mills, and wooden-box factories. It ranked fourth in importance in 1914, although a considerable decrease is shown in the industry since 1909. Mills engaged exclusively in custom sawing for consumption in the immediate neighborhood should not be included in the census of manufactures, but it is not always possible to conduct the canvass on uniform lines in all sections of the country at different censuses in regard to the omission of these establishments, and it may be that some of this class were included at the census of 1909 that were excluded from the canvass of 1914.

Cars and general shop construction and repairs by steam-railroad companies.—The work in these establishments is practically confined to repairs to the rolling stock and equipment of steam-railroad companies. The industry ranked fifth in the state in 1914 in the average number of wage earners and value of products.

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

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Total.	Male.	Female.	Per cent of total. Male.	Female.
All classes	1914	77,693	59,717	17,976	76.9	23.1
	1909	78,040	60,944	17,096	78.1	21.9
Proprietors and officials	1914	3,694	3,630	64	98.3	1.7
	1909	3,333	3,287	46	98.6	1.4
Proprietors and firm members	1914	1,815	1,768	47	97.4	2.6
	1909	1,737	1,697	40	97.7	2.3
Salaried officers of corporations	1914	847	834	13	98.5	1.5
	1909	606	603	3	99.5	0.5
Superintendents and managers	1914	1,032	1,028	4	99.6	0.4
	1909	990	987	3	99.7	0.3
Clerks and other subordinate salaried employees	1914	2,085	1,757	328	84.3	15.7
	1909	1,661	1,393	268	83.9	16.1
Wage earners (average number)	1914	71,914	54,330	17,584	75.5	24.5
	1909	73,046	56,264	16,782	77.0	23.0
16 years of age and over	1914	64,075	49,949	14,126	77.9	22.0
	1909	63,641	50,848	12,793	79.9	20.1
Under 16 years of age	1914	7,839	4,381	3,458	55.9	44.1
	1909	9,405	5,416	3,989	57.6	42.4

In 1914 the number of persons engaged in manufactures was 77,693, of whom 71,914, or about nine-tenths, were wage earners, 3,694 were proprietors and officials, and 2,085 were clerks and other subordinate salaried employees. Of the wage earners 16 years of age and over, 49,949, or a little over three-fourths, were males, and 14,126, or about one-fourth, were females. Corresponding figures for individual industries will be found in Table 31.

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

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Per cent of increase,[1] 1909–1914. Total.	Male.	Female.	Per cent distribution. Total. 1914	Total. 1909	Male. 1914	Male. 1909	Female. 1914	Female. 1909
All classes	−0.4	−2.0	5.1	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	10.8	10.4	.....	4.8	4.3	6.1	5.4	0.4	0.3
Proprietors and firm members	4.5	4.2	.....	2.3	2.2	3.0	2.8	0.3	0.2
Salaried officers of corporations	39.8	38.3	.....	1.1	0.8	1.4	1.0	0.1	(2)
Superintendents and managers	4.2	4.2	.....	1.3	1.3	1.7	1.6	(2)	(2)
Clerks and other subordinate salaried employees	25.5	26.1	22.4	2.7	2.1	2.9	2.3	1.8	1.6
Wage earners (average number)	−1.5	−3.4	4.8	92.6	93.6	91.0	92.3	97.8	98.2
16 years of age and over	0.7	−1.8	10.4	82.5	81.5	83.6	83.4	78.6	74.8
Under 16 years of age	−16.7	−19.1	−13.3	10.1	12.1	7.3	8.9	19.2	23.3

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

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

This table shows an increase during the five-year period for each of the several classes of employees with the exception of wage earners under 16 years of age, in which group there was a decrease of 16.7 per cent. The largest percentage of increase for both sexes combined, 39.8, is shown for salaried officers. Wage earners 16 years of age and over represented 82.5 per cent of the total number of persons engaged in manufacturing industries in the state in 1914 and 81.5 in 1909.

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

Table 5

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.							
	Number.			Per cent distribution.			Per cent of increase.[1]	
	1914	1909	1904	1914	1909	1904	1909–1914	1904–1909
Total	77,693	78,040	63,071	100.0	100.0	100.0	−0.4	23.7
Proprietors and firm members	1,815	1,737	1,241	2.3	2.2	2.0	4.5	40.0
Salaried employees	3,964	3,257	2,389	5.1	4.2	3.8	21.7	36.3
Wage earners (average)	71,914	73,046	59,441	92.6	93.6	94.2	−1.5	22.9

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

Each of the three classes shown in this table as well as the total for all classes combined show an increase for the five-year period 1904–1909; but the increase for the five-year period 1909–1914 is confined to proprietors and firm members and salaried employees.

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

For all industries combined, the proportion of male wage earners 16 years of age and over is practically the same for the last two censuses, but shows an increase since 1904. A decrease is shown in the proportion of adult female wage earners and also of children employed in the decade 1904–1914.

Of the 12 industries for which separate figures are given in this table, 7 show an increase from 1909 to 1914 in proportion of adult males, and 4 an increase in proportion of adult females, while 3 show an increase in the proportion of children under 16 years of age. Canning and preserving and hosiery and knit goods are the 2 industries which show a larger proportion of women wage earners than men, the percentages being 48.5 and 44.9 for the women as against 42.4 and 34.2 for the men. The cotton-goods industry also shows a large proportion of women employed, over one-fourth of the total number of wage earners being women. The wage earners under 16 years of age in South Carolina are employed principally in the cotton-goods industry, but the proportion of children employed in these cotton mills shows a decrease of 3.4 per cent since 1909.

Table 6

INDUSTRY.	Census year.	WAGE EARNERS.			
		Average number.[1]	Per cent of total.		
			16 years of age and over.		Under 16 years of age.
			Male.	Female.	
All industries	1914	71,914	69.5	19.6	10.9
	1909	73,046	69.6	17.5	12.9
	1904	59,441	63.3	20.2	16.5
Bread and other bakery products	1914	286	91.6	4.9	3.5
	1909	369	79.4	12.2	8.4
Brick, tile, pottery, and other clay products	1914	706	96.5	.....	3.5
	1909	924	94.3	.....	5.7
Canning and preserving	1914	464	42.4	48.5	9.1
	1909	467	34.5	50.7	14.7
Cars and general shop construction and repairs by steam-railroad companies	1914	1,431	99.3	0.7	.....
	1909	1,418	99.9	0.1	0.1
Cotton goods	1914	46,448	58.3	26.4	15.3
	1909	45,454	56.6	24.7	18.7
Fertilizers	1914	2,050	100.0	.....	.....
	1909	1,851	100.0	.....	.....
Foundry and machine-shop products	1914	515	94.8	4.8	0.4
	1909	417	97.4	2.6	.....
Hosiery and knit goods	1914	771	34.2	44.9	20.9
	1909	839	35.6	45.6	18.7
Ice, manufactured	1914	368	98.4	0.8	0.8
	1909	218	97.2	.....	2.8
Lumber and timber products	1914	11,308	98.3	0.1	1.5
	1909	14,604	98.5	0.1	1.5
Oil, cottonseed, and cake	1914	2,037	99.9	.....	0.1
	1909	1,765	99.8	0.1	0.1
Printing and publishing	1914	893	82.5	9.4	8.1
	1909	834	78.5	15.0	6.5
All other industries	1914	4,637	70.0	24.4	5.6
	1909	3,886	72.8	19.0	8.2

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

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

Table 7

SEX AND AGE.	Census year.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES IN— Anderson.	Charleston.	Columbia.	Greenville.	Spartanburg.
Total	1914	1,146	2,737	2,228	1,428	1,880
	1909	.....	2,874	[1] 2,350	1,182	1,773
	1904	.....	3,450	2,393	1,204	1,650
16 years of age and over:						
Male	1914	748	2,070	1,876	839	1,148
	1909	.....	2,088	[1] 1,874	667	1,074
	1904	.....	2,425	1,682	651	932
Female	1914	250	517	281	447	460
	1909	.....	592	[1] 244	339	474
	1904	.....	844	378	385	396
Under 16 years of age	1914	148	150	71	142	272
	1909	.....	194	[1] 232	176	225
	1904	.....	181	333	168	322
Per cent of total:						
16 years of age and over—						
Male	1914	65.3	75.6	84.2	58.8	61.1
	1909	.....	72.7	79.7	56.4	60.6
	1904	.....	70.3	70.3	54.1	56.5
Female	1914	21.8	18.9	12.6	31.3	24.5
	1909	.....	20.6	10.4	28.7	26.7
	1904	.....	24.5	15.8	32.0	24.0
Under 16 years of age	1914	12.9	5.5	3.2	9.9	14.5
	1909	.....	6.7	9.9	14.9	12.7
	1904	.....	5.2	13.9	14.0	19.5

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

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

Table 8

CITY.	PER CENT OF INCREASE IN AVERAGE NUMBER OF WAGE EARNERS.[1] Period.	Total.	16 years of age and over. Male.	Female.	Under 16 years of age.
Charleston	1904–1914	−20.7	−14.6	−38.7	−17.1
	1909–1914	−4.8	−0.9	−12.7	−22.7
	1904–1909	−16.7	−13.9	−29.9	7.2
Columbia	1904–1914	−6.9	11.5	−25.7	−78.7
	1909–1914	−5.2	0.1	15.2	−69.4
	1904–1909	−1.8	11.4	−35.4	−30.3
Greenville	1904–1914	18.6	28.9	16.1	−15.5
	1909–1914	20.8	25.8	31.8	−19.3
	1904–1909	−1.8	2.4	−11.9	4.8
Spartanburg	1904–1914	13.9	23.2	16.2	−15.5
	1909–1914	6.0	6.9	−3.0	20.9
	1904–1909	7.4	15.2	19.7	−30.1

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

The proportion of male wage earners 16 years of age and over is greatly in excess of that for females in every city. The only city in South Carolina in which this proportion fell below 60 per cent in 1914 was Greenville, where it increased from 54.1 in 1904 to 58.8 per cent in 1914. The proportion in all cities combined in 1914 was 70.9 per cent for men, 20.8 per cent for women, and 8.3 per cent for children. Columbia shows a decrease of 78.7 per cent in the number of wage earners under 16 years of age for the decade 1904–1914. A decrease of about 15 per cent in children wage earners is also shown for Charleston, Greenville, and Spartanburg for the same period.

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

Table 9

MONTH.	WAGE EARNERS IN MANUFACTURING INDUSTRIES. Number.[1] 1914	1909	1904	Per cent of maximum. 1914	1909	1904
January	75,728	73,774	59,774	98.0	96.6	97.0
February	76,898	75,696	61,535	99.5	99.1	99.8
March	77,256	76,373	61,634	100.0	100.0	100.0
April	73,826	72,682	60,748	95.6	95.2	98.6
May	71,200	70,310	58,346	92.2	92.1	94.7
June	69,830	70,283	57,415	90.4	92.0	93.2
July	69,334	70,708	56,501	89.7	92.6	91.7
August	68,285	70,441	56,832	88.4	92.2	92.2
September	69,215	71,951	58,368	89.6	94.2	94.7
October	69,557	73,996	59,976	90.0	96.9	97.3
November	70,540	74,756	61,158	91.3	97.9	99.2
December	71,299	75,585	61,005	92.3	99.0	99.0

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

The greatest activity in the manufacturing industries of the state is shown for the winter and early spring months, the maximum number of wage earners appearing for March at each successive census, while the minimum was reported for August, in 1914, June for 1909, and July for 1904. The greatest difference between the maximum and minimum months in any of the three census years was 8,971, or 11.6 per cent of the maximum in 1914.

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

Of the selected industries, oil, cottonseed, and cake, an industry ranking second in the state in value of products, shows a high degree of fluctuation in employment, the number of wage earners in July being but 16.1 per cent of the number in November. This is a seasonal industry and naturally there is considerable variation in the number of wage earners employed during different months. For the same reason there is a great fluctuation in the numbers reported for canning and preserving, fertilizers, and manufactured ice. The greatest stability of employment is shown for printing and publishing and cotton goods, for which industries the proportions which the minimum formed of the maximum were 97.2 per cent and 94.3 per cent, respectively.

Of the five cities, Columbia shows the greatest fluctuation in the number of wage earners employed, the percentage that the minimum formed of the maximum for this city being 62.3 per cent. The greatest stability of employment is shown for Charleston, where the minimum number formed 94.8 per cent of the maximum.

Table 10

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

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	71,914	75,728	76,898	**77,256**	73,826	71,200	69,830	69,334	*68,285*	69,215	69,557	70,540	71,299	88.4
Bread and other bakery products	286	*238*	258	259	265	271	296	296	301	305	306	318	**319**	74.6
Brick, tile, pottery, and other clay products	706	568	572	660	880	**912**	871	818	861	703	624	504	*499*	54.7
Canning and preserving	464	825	916	835	810	29	*20*	50	56	54	56	918	**949**	2.1
Cars and general shop construction and repairs by steam-railroad companies	1,431	**1,471**	1,412	1,455	1,443	1,447	1,465	1,463	1,464	1,434	*1,372*	1,373	1,373	93.3
Cotton goods	46,448	**47,772**	47,377	47,426	47,003	47,062	46,363	46,201	45,316	*45,031*	45,585	45,838	46,402	94.3
Fertilizers	2,050	2,309	3,998	**4,859**	2,815	1,578	1,291	1,233	*982*	1,206	1,385	1,418	1,526	20.2
Foundry and machine-shop products	515	431	459	*429*	502	532	554	**589**	588	540	524	521	511	72.8
Hosiery and knit goods	771	779	750	767	*732*	741	761	762	749	772	770	822	**847**	86.1
Ice, manufactured	368	*219*	234	250	331	448	515	**537**	519	452	365	286	260	40.8
Lumber and timber products	11,308	12,654	**12,709**	12,517	11,943	11,656	11,277	11,096	11,068	10,739	10,063	*9,906*	10,068	77.9
Oil, cottonseed, and cake	2,037	3,117	2,810	2,185	1,463	747	569	*545*	743	2,358	3,161	**3,379**	3,367	16.1
Printing and publishing	893	*882*	900	896	**907**	899	899	894	887	883	889	888	892	97.2
All other industries	4,637	4,463	4,503	4,668	4,732	4,878	**4,949**	4,850	4,751	4,738	4,457	4,369	*4,286*	86.6
Total for cities	9,419	9,906	9,942	**9,992**	9,598	9,564	9,515	9,378	*8,885*	9,006	9,006	9,051	9,185	88.9
ANDERSON	1,146	**1,295**	1,241	1,212	1,222	1,114	1,061	1,126	*1,043*	1,063	1,110	1,149	1,116	80.5
CHARLESTON	2,737	*2,675*	2,702	2,683	2,705	2,730	2,792	2,806	**2,821**	2,786	2,712	2,717	2,715	94.8
COLUMBIA	2,228	2,581	2,642	**2,780**	2,347	2,382	2,322	2,071	*1,732*	1,834	1,898	2,001	2,146	62.3
GREENVILLE	1,428	**1,472**	1,468	1,449	1,440	1,410	1,427	1,450	1,383	1,443	1,432	1,391	*1,371*	93.1
SPARTANBURG	1,880	1,883	1,889	1,868	1,884	**1,928**	1,913	1,925	1,906	1,880	1,854	*1,793*	1,837	93.0

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

Table 11

AVERAGE NUMBER OF WAGE EARNERS.

INDUSTRY AND CITY.	Census year.	Total.	In establishments where the prevailing hours of labor per week were—							
			48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
All industries	1914	71,914	1,375	1,112	2,365	2,895	60,046	2,607	1,288	226
	1909	73,046	1,431	1,291	1,778	1,391	61,647	3,211	2,038	259
Bread and other bakery products	1914	286	9	2	74	5	159	14	13	10
	1909	369	6	4	12	1	236	19	88	3
Brick, tile, pottery, and other clay products	1914	706	24	96	4	50	532	.....	.....	.....
	1909	924	68	12	.....	75	601	147	21	.....
Canning and preserving	1914	464	151	.....	40	65	204	.....	4	.....
	1909	467	52	10	24	.....	375	.....	6	.....
Cars and general shop construction and repairs by steam-railroad companies	1914	1,431	.....	307	936	.....	103	85	.....	.....
	1909	1,418	.....	.....	1,252	.....	107	59	.....	.....
Cotton goods	1914	46,448	.....	.....	.....	1,044	45,404	.....	.....	.....
	1909	45,454	.....	445	.....	.....	45,009	.....	.....	.....
Fertilizers	1914	2,050	20	76	.....	365	1,507	8	6	68
	1909	1,851	.....	.....	4	.....	1,798	6	43	.....
Foundry and machine-shop products	1914	515	1	24	255	14	221	.....	.....	.....
	1909	417	.....	.....	190	22	201	4	.....	.....
Hosiery and knit goods	1914	771	.....	.....	.....	120	651	.....	.....	.....
	1909	839	.....	.....	.....	.....	839	.....	.....	.....
Ice, manufactured	1914	368	.....	.....	38	2	166	17	36	109
	1909	218	.....	.....	.....	.....	28	16	55	119
Lumber and timber products	1914	11,308	309	359	136	361	8,405	1,713	25	.....
	1909	14,604	567	623	72	742	9,677	2,586	337	.....
Oil, cottonseed, and cake	1914	2,037	.....	6	.....	40	220	582	1,169	20
	1909	1,765	.....	.....	.....	2	116	286	1,351	10
Printing and publishing	1914	893	448	60	211	57	115	.....	2	.....
	1909	834	336	122	126	34	196	7	13	.....
All other industries	1914	4,637	413	182	671	772	2,359	188	33	19
	1909	3,886	402	75	98	515	2,464	81	124	127
Total for cities	1914	9,419	630	408	1,505	999	5,284	261	252	80
ANDERSON	1914	1,146	28	13	38	6	1,025	15	21	.....
CHARLESTON	1914	2,737	288	382	618	470	708	214	30	27
COLUMBIA	1914	2,228	250	.....	658	6	1,128	9	129	48
GREENVILLE	1914	1,428	33	10	179	126	1,024	8	43	5
SPARTANBURG	1914	1,880	31	3	12	391	1,399	15	29	.....

From Table 11 it appears that there has been a general tendency to shorten the number of hours of labor for wage earners in the manufactures of the state. In 1909 there were 5,508 wage earners employed in establishments where the hours of labor were more than 60 per week; by 1914 the number employed in such establishments had decreased to 4,121. During the same period, the number employed in establishments where the prevailing hours of work were less than 60 per week increased from 5,891 to 7,747. In both 1909 and 1914, for all industries combined and for almost all of them separately, the majority of wage earners were employed in establishments where the prevailing hours of labor were 60 per week.

Statistics of hours of employment are not available for the cities for 1909, but for 1914, with the exception of Charleston, the majority of the wage earners in the five cities were employed in establishments where the prevailing hours of labor were 60 per week. For both Charleston and Columbia a considerable proportion of the wage earners, 22.6 and 29.5 per cent, respectively, were employed by establishments operated 54 hours per week. In these cities the wage earners whose hours of employment were 54 per week were in establishments engaged principally in the following industries: Bread and other bakery products; carriages and wagons; cars and general shop construction and repairs; foundry and machine-shop products; and tobacco, cigars and cigarettes.

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

Table 12

	Census year.	Aggregate.	Cities having a population of 10,000 or over.						Districts outside of cities having a population of 10,000 or over.	
			Total.		10,000 to 25,000.		25,000 to 100,000.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places	1914	.....	5	.....	3	.....	2	.....	.....	.....
	1910	.....	4	.....	2	.....	2	.....	.....	.....
	1900	.....	4	.....	3	.....	1	.....	.....	.....
Population [1]	1914	1,590,015	142,571	9.0	48,944	3.1	93,627	5.9	1,447,444	91.0
	1910	1,515,400	118,410	7.8	33,258	2.2	85,152	5.6	1,396,990	92.2
	1900	1,340,316	100,170	7.5	44,363	3.3	55,807	4.2	1,240,146	92.5
Number of establishments	1914	1,885	303	16.1	112	5.9	191	10.1	1,582	83.9
	1909	1,854	247	13.3	77	4.2	170	9.2	1,607	86.7
	1899	1,369	195	14.2	91	6.6	104	7.6	1,174	85.8
Average number of wage earners	1914	71,914	9,419	13.1	4,454	6.2	4,965	6.9	62,495	86.9
	1909	73,046	8,179	11.2	2,955	4.0	5,224	7.2	64,867	88.8
	1899	47,025	7,409	15.8	4,222	9.0	3,187	6.8	39,616	84.2
Value of products	1914	$138,891,202	$21,873,312	15.7	$9,256,650	6.7	$12,616,662	9.1	$117,017,890	84.3
	1909	113,235,945	17,663,862	15.6	5,417,857	4.8	12,246,005	10.8	95,572,083	84.4
	1899	53,335,811	11,404,995	21.4	5,691,680	10.7	5,713,315	10.7	41,930,816	78.6
Value added by manufacture	1914	47,882,206	8,345,001	17.4	3,286,613	6.9	5,058,388	10.6	39,537,205	82.6
	1909	46,885,071	6,825,244	14.6	2,104,869	4.5	4,720,375	10.1	40,059,827	85.4
	1899	22,849,950	4,425,966	19.4	2,219,539	9.7	2,206,427	9.7	18,423,984	80.6

[1] Census estimate of population for 1914.

In 1909 and 1899 the population of Anderson was less than 10,000, and the statistics for its manufactures were included with those for the outside districts. The table shows that for 1914 the cities, which represented 9 per cent of the population of the state, reported 16.1 per cent of the total number of establishments, 15.7 per cent of the total value of products, 17.4 per cent of the total value added by manufacture, and 13.1 per cent of the total average number of wage earners.

The major portion of the manufactures of the state are located outside the cities that had a population of 10,000 and over. During the 15 years covered by Table 12 the industries in these outside districts increased more rapidly than they did in the five principal cities of the state. The development in the cities, however, during the five years from 1909 to 1914 was at a more rapid rate than in the outside districts.

The relative importance in manufactures of each of the five cities having more than 10,000 inhabitants, as measured by average number of wage earners and by value of products in 1914, 1909, and 1904, is shown in Table 13. The cities are listed in the order of their importance as shown by value of products.

Table 13

City.	Average number of wage earners.			Value of products.		
	1914	1909	1904	1914	1909	1904
Columbia	2,228	[1] 2,350	2,393	$6,764,982	[1] $5,295,198	$4,676,944
Charleston	2,737	2,874	3,450	5,851,680	6,950,807	6,007,094
Greenville	1,428	1,182	1,204	3,879,953	2,142,146	1,676,774
Spartanburg	1,880	1,773	1,650	3,473,135	3,275,711	2,127,702
Anderson	1,146	.....	.....	1,903,562	.....	.....

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

Anderson had less than 10,000 inhabitants in 1909 and 1904; therefore comparative figures can not be given. The manufacture of cotton goods and planing-mill and cottonseed-oil products are the principal industries of the city.

The principal industries in Columbia are the railroad repair shops, cotton goods, cottonseed-oil mills, and printing and publishing. These industries are also important ones in Charleston, which has in addition extensive planing mills and tobacco manufacturing establishments. Greenville and Spartanburg, which rank third and fourth, respectively, among the cities, have important cotton factories. Columbia and Spartanburg are the only cities reporting a product for any one industry of over $1,000,000.

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

Table 14

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.						Value of products.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1914	905	642	338	71,914	4,721	64,746	2,447	6.6	90.0	3.4	$138,891,202	$5,992,528	$129,481,783	$3,416,891	4.3	93.2	2.5
	1909	940	564	350	73,046	6,243	63,455	3,348	8.5	86.9	4.6	113,235,945	6,816,852	102,403,671	4,015,422	6.0	90.4	3.5
	1904	672	464	263	59,441	5,172	51,510	2,759	8.7	86.7	4.6	79,376,262	5,764,439	70,493,378	3,118,445	7.3	88.8	3.9
Bread and other bakery products.	1914	51	7	8	286	155	112	19	54.2	39.2	6.6	805,602	425,854	322,774	56,974	52.9	40.1	7.1
	1909	57	1	5	369	183	.....	[1] 186	49.6	.....	50.4	1,099,920	585,196	.....	[1] 514,724	53.2	.....	46.8
Brick, tile, pottery, and other clay products.	1914	15	12	9	706	172	403	131	24.4	57.1	18.6	589,852	170,909	292,483	126,460	29.0	49.6	21.4
	1909	23	11	15	924	319	410	195	34.5	44.4	21.1	758,890	288,236	324,667	145,987	38.0	42.8	19.2
Cars and general shop construction and repairs by steam-railroad companies.	1914	.....	9	.....	1,431	.....	1,431	.....	.....	100.0	.....	2,064,141	.....	2,064,141	.....	.....	100.0	.....
	1909	.....	10	.....	1,418	.....	1,418	.....	.....	100.0	.....	1,499,226	.....	1,499,226	.....	.....	100.0	.....
Cotton goods	1914	1	145	2	46,448	[2] 223	46,225	.....	0.5	99.5	.....	78,446,145	[2] 434,665	78,011,480	.....	0.6	99.4	.....
	1909	3	144	.....	45,454	94	45,360	.....	0.2	99.8	.....	65,929,585	195,618	65,733,967	.....	0.3	99.7	.....
Foundry and machine-shop products.	1914	16	15	9	515	124	364	27	24.1	70.7	5.2	937,472	198,498	706,573	32,401	21.2	75.4	3.4
	1909	14	17	3	417	109	300	8	26.1	71.9	1.9	547,218	142,684	387,302	17,232	26.1	70.8	3.1
Ice, manufactured	1914	6	26	4	368	33	302	33	9.0	82.1	9.0	818,223	68,540	692,766	56,917	8.4	84.7	7.0
	1909	4	20	8	218	24	169	25	11.0	77.5	11.5	432,666	60,345	326,877	45,444	13.9	75.5	10.5
Lumber and timber products.	1914	514	81	198	11,308	2,951	6,776	1,581	26.1	59.9	13.9	11,657,800	2,755,621	7,275,081	1,627,098	23.6	62.4	14.0
	1909	563	90	198	14,604	4,171	8,137	2,296	28.6	55.7	15.7	13,140,886	3,226,614	7,895,279	2,018,993	24.6	60.1	15.4
Oil, cottonseed, and cake	1914	4	89	4	2,037	87	1,908	42	4.3	93.7	2.1	16,379,858	297,496	15,832,995	249,367	1.8	96.7	1.5
	1909	4	93	6	1,765	42	1,627	96	2.4	92.2	5.4	10,902,935	225,794	10,081,228	595,913	2.1	92.5	5.5
Printing and publishing	1914	87	54	25	893	221	603	69	24.7	67.5	7.7	1,985,263	396,868	1,449,596	138,799	20.0	73.0	7.0
	1909	83	37	41	834	268	404	162	32.1	48.4	19.4	1,600,591	387,400	966,291	246,900	24.2	60.4	15.4
Total for cities	1914	115	152	36	9,419	567	8,661	191	6.0	92.0	2.0	21,873,312	1,233,015	20,168,854	471,443	5.6	92.2	2.2
Anderson	1914	9	18	1	1,146	[2] 45	1,101	.....	3.9	96.1	.....	1,903,562	[2] 105,877	1,797,685	.....	5.6	94.4	.....
Charleston	1914	55	52	13	2,737	267	2,382	88	9.8	87.0	3.2	5,851,680	640,478	5,010,712	200,490	10.9	85.6	3.4
Columbia	1914	28	31	12	2,228	135	2,042	51	6.1	91.7	2.3	6,764,982	265,100	6,339,097	160,785	3.9	93.7	2.4
Greenville	1914	13	29	7	1,428	55	1,345	28	3.9	94.2	2.0	3,879,953	101,109	3,716,517	62,327	2.6	95.8	1.6
Spartanburg	1914	10	22	3	1,880	65	1,791	24	3.5	95.3	1.3	3,473,135	120,451	3,304,843	47,841	3.5	95.1	1.4

[1] Includes the group "corporations."

[2] Includes the group "all others."

For all industries combined there was an increase during the decade in the number of establishments under each form of ownership. The greatest proportion of the establishments is shown for those under individual ownership, but in value of products and average number of wage earners those owned by corporations greatly predominate. For 1914, with but 34.1 per cent of the total number of establishments in the state, the corporations reported 93.2 per cent of the total value of products and 90 per cent of the average number of wage earners. In 1909 and 1904 the corresponding proportions are only slightly less. Bread and other bakery products was the only industry in 1914, among those mentioned in this table, where the establishments under individual ownership exceeded the corporations in value of products and average number of wage earners. In the cities taken as a group, more than one-half of the number of establishments were reported as under corporate ownership, and over nine-tenths of the total value of products for the cities was reported by the same class of establishments.

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

The number of establishments with products valued at $100,000 or more in 1914 was 286, or 15.2 per cent of the total number in the state, as compared with 235, or 12.7 per cent, in 1909 and 164, or 11.7 per cent, in 1904. These establishments in 1914 reported 82.8 per cent of the total number of wage earners for the state, 85.8 per cent of the total value of products, and 79.5 per cent of the total value added by manufacture. In

the same year the small establishments—those having products less than $5,000 in value—although representing 44.8 per cent of the total number of establishments, reported only 1.3 per cent of the total value of products and 2.6 per cent of the total average number of wage earners and value added by manufacture.

Table 15

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
All classes	1,885	1,854	1,399	71,914	73,046	59,441	$138,891,202	$113,235,945	$79,376,262	$47,882,206	$46,885,071	$29,407,636
Less than $5,000	845	812	544	1,843	2,473	1,425	1,838,861	1,744,344	1,257,021	1,250,650	1,247,783	871,350
$5,000 to $20,000	471	507	434	3,439	4,224	4,191	4,749,598	4,912,546	4,342,225	2,827,410	3,200,619	2,554,214
$20,000 to $100,000	283	300	257	7,149	9,037	8,752	13,191,752	13,432,870	11,448,252	5,749,069	6,391,272	4,773,142
$100,000 to $1,000,000	266	218	151	44,481	42,296	33,375	89,244,557	68,258,491	44,511,158	29,658,110	27,147,965	16,224,657
$1,000,000 and over	20	17	13	15,002	15,016	11,698	29,866,434	24,887,694	17,817,606	8,396,967	8,897,432	4,984,273
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	44.8	43.8	38.9	2.6	3.4	2.4	1.3	1.5	1.6	2.6	2.7	3.0
$5,000 to $20,000	25.0	27.3	31.0	4.8	5.8	7.0	3.4	4.3	5.5	5.9	6.8	8.7
$20,000 to $100,000	15.0	16.2	18.4	9.9	12.4	14.7	9.5	11.9	14.4	12.0	13.6	16.2
$100,000 to $1,000,000	14.1	11.8	10.8	61.9	57.9	56.1	64.3	60.3	56.1	62.0	57.9	55.2
$1,000,000 and over	1.1	0.9	0.9	20.9	20.6	19.7	21.5	22.0	22.4	17.5	19.0	16.9

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

This table shows for each industry presented an increase for 1914, as compared with 1909, in the number of establishments having products valued at $100,000 and over, and all industries in this class, with the exception of lumber and timber products, show an increase in wage earners and value of products. The manufacture of lumber and timber products shows a larger proportion of wage earners, value of products, and value added by manufacture in this class of establishments in 1914 than in 1909, although showing a decrease in actual numbers in these items.

Table 16

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.	
			1914	1909			1914	1909			1914	1909			1914	1909
COTTON GOODS	148	147	100.0	100.0	46,448	45,454	100.0	100.0	$78,446,145	$65,929,585	100.0	100.0	$24,556,991	$24,626,147	100.0	100.0
$5,000 to $100,000 [1]	11	19	7.4	12.9	429	863	0.9	1.9	605,403	1,089,763	0.8	1.7	164,386	296,898	0.7	1.2
$100,000 to $1,000,000	118	112	79.7	76.2	31,223	31,203	67.2	68.6	48,982,845	41,586,651	62.4	63.1	16,229,951	16,478,238	66.1	66.9
$1,000,000 and over	19	16	12.8	10.9	14,796	13,388	31.9	29.5	28,857,897	23,253,171	36.8	35.3	8,162,654	7,851,011	33.2	31.9
LUMBER AND TIMBER PRODUCTS	793	851	100.0	100.0	11,308	14,604	100.0	100.0	11,657,800	13,140,886	100.0	100.0	7,804,570	9,159,418	100.0	100.0
Less than $5,000	511	511	64.4	60.0	1,174	1,859	10.4	12.7	972,928	1,004,030	8.3	7.6	722,502	773,527	9.3	8.4
$5,000 to $20,000	174	218	21.9	25.6	1,746	2,459	15.4	16.8	1,678,393	2,189,287	14.4	16.7	1,140,031	1,596,641	14.6	17.4
$20,000 to $100,000	79	97	10.0	11.4	3,003	4,468	26.6	30.6	3,472,164	4,231,227	29.8	32.2	1,988,500	2,790,490	25.5	30.5
$100,000 and over	29	[2] 25	3.7	2.9	5,385	5,818	47.6	39.8	5,534,315	5,716,342	47.5	43.5	3,953,537	3,998,760	50.7	43.7
OIL, COTTONSEED, AND CAKE	97	103	100.0	100.0	2,037	1,765	100.0	100.0	16,379,858	10,902,935	100.0	100.0	2,736,937	2,183,400	100.0	100.0
Less than $20,000	4	[3] 8	4.1	7.8	19	21	0.9	1.2	57,415	98,815	0.4	0.9	14,578	22,596	0.5	1.0
$20,000 to $100,000	42	61	43.3	59.2	437	578	21.5	32.7	2,415,657	3,108,340	14.7	28.5	437,661	671,225	16.0	30.7
$100,000 to $1,000,000	51	34	52.5	33.0	1,581	1,166	77.6	66.1	13,906,786	7,695,780	84.9	70.6	2,284,698	1,489,579	83.5	68.2
PRINTING AND PUBLISHING	166	161	100.0	100.0	893	834	100.0	100.0	1,985,263	1,600,591	100.0	100.0	1,532,960	1,260,672	100.0	100.0
Less than $5,000	96	89	57.8	55.3	161	174	18.0	20.9	254,003	213,894	12.8	13.4	197,988	169,898	12.9	13.5
$5,000 to $20,000	50	59	30.1	36.6	241	314	27.0	37.6	443,504	518,754	22.3	32.4	347,054	407,790	22.6	32.3
$20,000 to $100,000	15	10	9.0	6.2	240	181	26.9	21.7	495,936	356,006	25.0	22.2	371,363	289,930	24.2	23.0
$100,000 to $1,000,000	5	3	3.0	1.9	251	165	28.1	19.8	791,820	511,937	39.9	32.0	616,555	393,054	40.2	31.2

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

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

In the cities the same general condition prevails as that found throughout the state, namely, a preponderance as to number of wage earners, value of products, and value added by manufacture for establishments having products valued at $100,000 and over. The largest proportions of total value of products for establishments in this class, 83.2 per cent and 82.4 per cent, are reported for Columbia and Spartanburg, respectively, and the lowest, 66.9 per cent, for Charleston.

Table 17

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Per cent of total.	VALUE OF PRODUCTS. Amount.	VALUE OF PRODUCTS. Per cent of total.	VALUE ADDED BY MANUFACTURE. Amount.	VALUE ADDED BY MANUFACTURE. Per cent of total.
ANDERSON	28	1,146	100.0	$1,903,562	100.0	$645,917	100.0
Less than $20,000 [1]	16	75	6.5	165,150	8.7	91,519	14.2
$20,000 and over [2]	12	1,071	93.5	1,738,412	91.3	554,398	85.8
CHARLESTON	120	2,737	100.0	5,851,680	100.0	2,517,951	100.0
Less than $5,000	36	57	2.1	84,869	1.5	53,971	2.1
$5,000 to $20,000	35	173	6.3	363,776	6.2	173,956	6.9
$20,000 to $100,000	31	668	24.4	1,487,413	25.4	717,570	28.5
$100,000 to $1,000,000	18	1,839	67.2	3,915,622	66.9	1,572,454	62.5
COLUMBIA	71	2,228	100.0	6,764,982	100.0	2,540,437	100.0
Less than $5,000	20	34	1.5	59,456	0.9	40,458	1.6
$5,000 to $20,000	21	151	6.8	279,140	4.1	142,929	5.6
$20,000 to $100,000	17	271	12.2	800,974	11.8	435,335	17.1
$100,000 to $1,000,000	13	1,772	79.5	5,625,412	83.2	1,921,715	75.6
GREENVILLE	49	1,428	100.0	$3,879,953	100.0	$1,445,082	100.0
Less than $5,000	10	23	1.6	27,880	0.7	11,620	0.8
$5,000 to $20,000	13	106	7.4	168,794	4.4	81,140	5.6
$20,000 to $100,000	16	186	13.0	668,576	17.2	325,019	22.5
$100,000 to $1,000,000	10	1,113	77.9	3,014,703	77.7	1,027,303	71.1
SPARTANBURG	35	1,880	100.0	3,473,135	100.0	1,195,614	100.0
Less than $5,000	7	14	0.7	19,051	0.5	11,858	1.0
$5,000 to $20,000	11	64	3.4	144,924	4.2	80,192	6.7
$20,000 to $100,000	11	261	13.9	447,410	12.9	251,953	21.1
$100,000 and over [3]	6	1,541	82.0	2,861,750	82.4	851,611	71.2

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

Table 18 shows the size of establishments in 1914 as measured by the number of wage earners employed. The figures given are for all industries combined, for 12 of the more important industries, and for each of the five cities in the state having more than 10,000 inhabitants.

Table 18

INDUSTRY AND CITY.	TOTAL. Establishments.	TOTAL. Wage earners (average number).	ESTABLISHMENTS EMPLOYING— No wage earners. Establishments.	1 to 5 wage earners. Establishments.	1 to 5 wage earners. Wage earners.	6 to 20 wage earners. Establishments.	6 to 20 wage earners. Wage earners.	21 to 50 wage earners. Establishments.	21 to 50 wage earners. Wage earners.
All industries	1,885	71,914	172	912	2,331	399	4,339	150	4,562
Bread and other bakery products	66	286	6	48	120	9	90	3	76
Brick, tile, pottery, and other clay products	36	706	3	10	31	13	155	6	214
Canning and preserving	16	464	.....	3	11	3	30	6	180
Cars and general shop construction and repairs by steam-railroad companies	9	1,431	.....	2	9	.....	.....	1	20
Cotton goods	148	46,448	.....	.....	.....	3	34	5	184
Fertilizers	55	2,050	.....	16	45	15	169	11	323
Foundry and machine-shop products	40	515	3	19	54	9	120	6	162
Hosiery and knit goods	6	771	.....	.....	.....	1	6	1	39
Ice, manufactured	36	368	.....	14	48	18	202	4	118
Lumber and timber products	793	11,308	118	406	1,037	173	1,846	47	1,440
Oil, cottonseed, and cake	97	2,037	.....	9	41	44	522	39	1,153
Printing and publishing	166	893	14	121	301	23	260	6	185
All other industries	417	4,637	28	264	634	88	905	15	459
Total for cities	303	9,419	5	144	395	81	913	35	1,016
ANDERSON	28	1,146	.....	10	29	9	74	5	130
CHARLESTON	120	2,737	2	63	162	28	324	14	431
COLUMBIA	71	2,228	3	31	79	17	164	10	285
GREENVILLE	49	1,428	.....	24	78	15	182	4	120
SPARTANBURG	35	1,880	.....	16	47	12	169	2	50

Table 18—Continued.

INDUSTRY AND CITY.	ESTABLISHMENTS EMPLOYING— 51 to 100 wage earners. Establishments.	51 to 100 wage earners. Wage earners.	101 to 250 wage earners. Establishments.	101 to 250 wage earners. Wage earners.	251 to 500 wage earners. Establishments.	251 to 500 wage earners. Wage earners.	501 to 1,000 wage earners. Establishments.	501 to 1,000 wage earners. Wage earners.	Over 1,000 wage earners. Establishments.	Over 1,000 wage earners. Wage earners.
All industries	80	5,861	91	15,235	50	17,267	29	19,833	2	2,486
Brick, tile, pottery, and other clay products	4	306	.....	.....	.....	.....	.....	.....	.....	.....
Canning and preserving	4	243	.....	.....	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies	3	235	.....	.....	2	650	1	508	.....	.....
Cotton goods	14	1,085	57	10,405	40	13,912	27	18,342	2	2,486
Fertilizers	5	339	8	1,174	.....	.....	.....	.....	.....	.....
Foundry and machine-shop products	3	179	.....	.....	.....	.....	.....	.....	.....	.....
Hosiery and knit goods	1	87	2	301	1	338	.....	.....	.....	.....
Lumber and timber products	26	1,965	18	2,622	4	1,415	1	983	.....	.....
Oil, cottonseed, and cake	5	321	.....	.....	.....	.....	.....	.....	.....	.....
Printing and publishing	2	147	.....	.....	.....	.....	.....	.....	.....	.....
All other industries	13	954	6	733	3	952	.....	.....	.....	.....
Total for cities	20	1,306	9	1,580	6	2,045	3	2,164	.....	.....
ANDERSON	3	163	.....	.....	.....	.....	1	750	.....	.....
CHARLESTON	7	444	3	459	3	917	.....	.....	.....	.....
COLUMBIA	6	403	2	363	1	426	1	508	.....	.....
GREENVILLE	3	234	2	472	1	342	.....	.....	.....	.....
SPARTANBURG	1	62	2	286	1	360	1	906	.....	.....

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

Table 19

INDUSTRY AND CITY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.							
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
All industries	1914	3.2	6.0	6.3	8.2	21.2	24.0	27.6	3.4
	1909	3.5	7.4	6.0	6.9	22.0	23.4	23.7	7.2
Bread and other bakery products.	1914	41.9	31.5	26.6	.....	.....	.....	.....	.....
	1909	30.6	24.4	.....	45.0	.....	.....	.....	.....
Brick, tile, pottery, and other clay products.	1914	4.4	22.0	30.3	43.3	.....	.....	.....	.....
	1909	4.8	22.8	28.7	29.6	14.1	.....	.....	.....
Canning and preserving	1914	2.4	6.5	38.8	52.4	.....	.....	.....	.....
	1909	3.0	9.2	28.5	33.6	25.7	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	0.6	.....	2.0	16.4	.....	45.4	35.5	.....
	1909	0.3	0.4	6.1	13.3	.....	79.9	.....	.....
Cotton goods	1914	.....	0.1	0.4	2.3	22.4	30.0	39.5	5.4
	1909	(1)	0.1	0.4	2.0	23.6	27.8	38.0	8.0
Fertilizers	1914	2.2	8.2	15.8	16.5	57.3	.....	.....	.....
	1909	1.2	1.9	3.4	32.4	61.1	.....	.....	.....
Foundry and machine-shop products.	1914	10.5	23.3	31.4	34.8	.....	.....	.....	.....
	1909	8.4	30.5	44.8	16.3	.....	.....	.....	.....
Hosiery and knit goods	1914	.....	0.8	5.0	11.3	39.0	43.8	.....	.....
	1909	.....	2.3	6.3	10.4	34.1	47.0	.....	.....
Ice, manufactured	1914	13.0	54.9	32.1	.....	.....	.....	.....	.....
	1909	26.1	60.6	13.3	.....	.....	.....	.....	.....
Lumber and timber products	1914	9.2	16.3	12.7	17.4	23.2	12.5	8.7	.....
	1909	9.3	20.2	12.6	11.1	22.4	13.3	.....	11.1
Oil, cottonseed, and cake	1914	2.0	25.6	56.6	15.8	.....	.....	.....	.....
	1909	5.7	33.3	44.8	10.3	5.9	.....	.....	.....
Printing and publishing	1914	33.7	29.1	20.7	16.5	.....	.....	.....	.....
	1909	35.1	34.4	12.8	17.6	.....	.....	.....	.....
All other industries	1914	13.7	19.5	9.9	20.6	15.8	20.5	.....	.....
	1909	13.0	23.5	15.8	16.1	7.1	24.4	.....	.....
Total for cities	1914	4.2	9.7	10.8	13.9	16.8	21.7	23.0	.....
ANDERSON	1914	2.5	6.5	11.3	14.2	.....	.....	65.4	.....
CHARLESTON	1914	5.9	11.8	15.7	16.2	16.8	33.5	.....	.....
COLUMBIA	1914	3.5	7.4	12.8	18.1	16.3	19.1	22.8	.....
GREENVILLE	1914	5.5	12.7	8.4	16.4	33.0	24.0	.....	.....
SPARTANBURG	1914	2.5	9.0	2.6	3.3	15.2	19.1	48.2	.....

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

Of the total number of establishments for all industries combined, 172, or 9.1 per cent, employed no wage earners in 1914. These are small establishments in which the work is done by the proprietors or firm members. In some cases they employ a few wage earners for short periods, but the number is so small and the period so short that in computing the average number, as described in the "Explanation of terms," no wage earners could be shown for the establishments. The largest number of these small establishments was reported for lumber mills. The comparatively small establishments still predominate in the majority of the industries of the state. Of the 1,885 establishments reported for all industries, 1,311, or 69.5 per cent, employed on the average less than 21 wage earners during the year. On the other hand, while the small establishments predominate in number, they gave employment to only 6,670 wage earners, or 9.3 per cent of the total for all establishments. There were only 172 establishments in the state that reported the employment of more than 100 wage earners each, but these establishments gave employment to 54,821, or 76.2 per cent of the total average number of wage earners reported for all establishments. These large establishments are shown especially in the manufacture of textiles, fertilizers, and lumber, and in railroad repair shops.

Among the cities the highest percentage of the total number of wage earners reported by establishments employing more than 100 wage earners each is shown for Spartanburg, 82.6 per cent. All of the cities show over 50 per cent of wage earners in similar establishments.

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

Table 20

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total	6,495	3,140	1,578	340,224	276,378	197,479	100.0	100.0	100.0
Owned	2,077	2,089	1,578	251,956	235,213	188,948	74.1	85.1	95.7
Steam engines and turbines[1]	1,679	1,806	1,399	207,480	195,452	157,612	61.0	70.7	79.8
Internal-combustion engines	233	153	55	2,063	1,264	239	0.6	0.5	0.1
Water wheels, turbines, and motors	165	130	124	42,413	38,497	31,097	12.5	13.9	15.7
Rented	4,418	1,051	(2)	88,268	41,165	8,531	25.9	14.9	4.3
Electric	4,418	1,051	(2)	83,754	41,130	8,451	24.6	14.9	4.3
Other	.....	.....	.....	4,514	35	80	1.6	(3)	(3)
Electric	5,099	1,502	.....	111,988	67,620	32,162	100.0	100.0	100.0
Rented	4,418	1,051	(2)	83,754	41,130	8,451	74.8	60.8	26.3
Generated by establishments reporting	681	451	268	28,234	26,490	23,711	25.2	39.2	73.7

[1] Figures for horsepower include for 1909 and 1904 the amounts reported under the head of "other" owned power.

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

[3] Not reported.

This table shows an increase in primary horsepower of 63,846, or 23.1 per cent, from 1909 to 1914, about three-fourths of which was due to the increase in rented power. The use of rented power, almost wholly electric, has greatly increased since 1904, when it represented only 4.3 per cent of the total primary power reported. This proportion had increased to 25.9 per cent in 1914. This increase in the proportion of rented power used was accompanied by a decrease in the proportion of owned power from 95.7 per cent in 1904 to 74.1 in 1914.

The use of internal-combustion engines has increased rapidly during the decade, although the horsepower of such engines is insignificant, representing less than 1 per cent of the total at all three censuses.

During the five-year period 1909–1914 there was an increase of 10.2 per cent in the horsepower of water wheels, turbines, and motors, though this horsepower shows a decreased proportion of the total at each successive census.

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

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

Table 21.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).			
All industries	8,589	754,365	13,597	31,290	3,812
Bread and other bakery products	357	295	843	7	320
Brick, tile, pottery, and other clay products	.....	34,163	.....	38	.....
Cars and general shop construction and repairs by steam-railroad companies	.....	12,998	44	123	.....
Cotton goods	2,584	481,939	3,389	803	.....
Fertilizers	.....	25,017	.....	154	.....
Foundry and machine-shop products	544	1,707	1,877	363	96
Gas, illuminating and heating	.....	6,518	6,763	28,056	.....
Hosiery and knit goods	.....	4,136	.....	4	.....
Ice, manufactured	525	45,711	300	14	.....
Lumber and timber products	45	15,002	85	69	.....
Oil, cottonseed, and cake	500	93,143	.....	130	.....
Printing and publishing	498	973	5	356	1,816
All other industries	3,536	32,763	291	1,173	1,574
Total for cities	4,920	95,992	7,686	25,395	3,282
ANDERSON	84	11,217	383	665	504
CHARLESTON	4,248	25,379	4,106	15,858	1,908
COLUMBIA	498	25,705	1,909	6,635	220
GREENVILLE	88	10,627	1,126	2,237	646
SPARTANBURG	2	23,064	162	.....	4

SPECIAL STATISTICS.

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

Cotton goods.—In the following table the materials and products of the cotton-goods industry are shown by kind, quantity, cost, and value, for the census years 1914, 1909, and 1904.

Table 22

	1914	1909	1904
MATERIALS.			
Total cost	$53,889,154	$41,303,438	$34,308,311
Cotton:			
Domestic—			
Pounds	372,464,143	322,945,571	269,045,002
Cost	$46,566,388	$35,284,141	$30,451,159
Foreign—			
Pounds	430,188	1,440,207	1,912,459
Cost	$87,591	$249,068	$318,020
Cotton yarns, purchased:			
Pounds	836,878	487,186	636,300
Cost	$186,530	$89,706	$110,055
Starch, cost	$526,438	$359,679	$209,646
Chemicals and dyestuffs, cost	$118,984	$187,157	$93,007
Fuel and rent of power, cost	$2,778,082	$1,977,599	$1,573,054
All other materials, cost	$3,625,141	$3,156,088	$1,553,370
PRODUCTS.			
Total value	$78,446,145	$65,929,585	$49,437,644
Unbleached and bleached sheetings, shirtings, and muslins:[1]			
Square yards	1,062,448,052	864,624,681	690,570,240
Value	$51,471,351	$42,762,535	$30,674,819
PRODUCTS—continued.			
Ginghams:			
Square yards	25,698,766	29,417,246	26,212,195
Value	$1,456,884	$1,525,286	$1,376,908
Fancy weaves, total:[2]			
Square yards	211,461,967	148,215,075	130,786,990
Value	$13,787,278	$9,649,541	$7,727,530
Drills—			
Square yards	98,617,604	75,828,918	88,551,799
Value	$6,610,701	$5,062,204	$5,344,146
Twills, sateens, etc.—			
Square yards	13,598,202	12,910,370	17,919,465
Value	$844,701	$797,624	$962,409
Other fancy weaves—[2]			
Square yards	99,246,161	59,475,787	24,315,732
Value	$6,331,876	$3,789,713	$1,420,975
Bags and bagging:			
Square yards	10,147,120	19,792,444	14,250,913
Value	$825,064	$1,120,825	$683,877
Yarns, for sale:			
Pounds	27,861,944	32,709,732	31,645,397
Value	$6,078,250	$6,759,913	$6,217,795
Cotton waste, for sale:			
Pounds	40,417,952	29,621,480	24,199,029
Value	$1,349,787	$850,246	$867,273
All other products, value	$3,477,531	$3,261,239	$1,889,442

[1] These fabrics were designated at prior censuses as "plain cloths for printing or converting" and "brown or bleached sheetings and shirtings."
[2] Does not include fancy woven ginghams.

The increase in the quantity of raw cotton consumed during the ten-year period covered by the table—from 270,957,461 pounds to 372,894,331 pounds, or 37.6 per cent—is a fair measure of the growth of the industry. The amount of cotton imported shows, for the five-year period 1909–1914, a decrease of 70.1 per cent. The total value of products shows a substantial gain from census to census, sheetings, shirtings, and muslins being the most important products reported. These products increased in value

$20,796,532, or 67.8 per cent, during the decade 1904–1914, and among the remaining products fancy weaves show the greatest increase for the same period—$6,059,748, or 78.4 per cent.

Oil, cottonseed, and cake.—South Carolina ranked fifth among the states in value of cottonseed products manufactured in 1914. The increase in the output of these products from census to census shows a rapid growth of the industry in the state. The following table gives the quantity of cotton seed used for oil extraction and the quantities of the several products obtained for the census years 1914, 1909, and 1904:

Table 23	QUANTITY.		
	1914	1909	1904
Cotton seed crushed.....tons (2,000 lbs.)..	418,486	346,550	213,103
Crude products manufactured:			
Oil.....gallons..	18,979,394	15,745,552	9,178,661
Meal and cake.....tons (2,000 lbs.)..	190,498	156,729	90,815
Hulls.....tons (2,000 lbs.)..	116,403	103,795	71,942
Linters.....pounds..	23,781,620	14,356,169	6,641,495

The statistics in this table for 1914 relate to the crushing season of 1913–14; that is, to the handling of seed from the crop of 1913. They cover the operations of all establishments which crushed cotton seed during the season, regardless of the extent to which they were engaged in other branches of industry. Furthermore, the crude products reported represent the total production derived from crushing cotton seed, whether sold as such or used as intermediate products in further processes of manufacture, such as the refining of oil and the mixing of fertilizer and feed.

The total quantity of cotton seed crushed increased from 213,103 tons in 1904 to 418,486 tons in 1914, or 96.4 per cent. Of the 98 mills reported in 1914 as crushing cotton seed, 9 crushed less than 1,000 tons each during the census year; 27 crushed 1,000, but less than 2,000 tons; 35 crushed 2,000, but less than 5,000 tons; 19 crushed 5,000, but less than 10,000 tons; 6 crushed 10,000, but less than 20,000 tons; and 2 crushed 20,000 tons and over.

The quantities of the various products obtained in 1914 per ton of seed, as received at the mill, were as follows: Crude oil, 45.4 gallons; cake and meal, 910 pounds; hulls, 556 pounds; and linters, 57 pounds. The ratios which the several products bore to the total weight of the seed when received at the mill were: Crude oil, 17 per cent; cake and meal, 45.5 per cent; hulls, 27.8 per cent; and linters, 2.8 per cent. It will be observed that the hulls have represented a decreasing proportion of the total quantity of products from census to census. This change is due in part to the installation of cold-process machinery, which expresses the oil without hulling the seed, the resulting cake thus containing the hulls.

Fertilizers.—The principal products manufactured, by kind, quantity, and value, are shown in the following table for 1914, 1909, and 1904:

Table 24	1914	1909	1904
Total value.....	$13,824,659	$9,024,900	$3,637,576
Fertilizers:			
Tons (2,000 lbs.).....	[1] 678,080	512,714	254,408
Value.....	$12,734,043	$8,728,312	$3,498,127
Complete and ammoniated fertilizers—			
Tons.....	435,403	278,894	147,554
Value.....	$9,927,343	$5,815,498	$2,395,725
Superphosphates—			
Tons.....	175,414	176,005	49,763
Value.....	$1,467,972	$2,036,220	$453,663
Other fertilizers—			
Tons.....	67,263	57,815	57,091
Value.....	$1,338,728	$876,594	$648,739
All other products, value.....	$1,090,616	$296,588	$139,449

[1] In addition, there were produced 55,715 tons of fertilizers, valued at $1,273,063, by cottonseed-oil mills and by establishments engaged primarily in other lines of manufacture.

The principal materials used in 1914 by fertilizer establishments consisted of 175,402 tons of phosphate rock, 75,002 tons of ammoniates, 19,473 tons of fish, 20,990 tons of ammonium sulphate and cyanamid or lime nitrogen, 86,956 tons of purchased superphosphates, 55,409 tons of kainit, 80,370 tons of pyrites, and 30,388 tons of purchased sulphuric acid.

The total quantity of fertilizers reported in 1914 by establishments engaged primarily in the manufacture of fertilizers was an increase of 32.3 per cent over the production of 1909. Complete and ammoniated fertilizers constituted the largest class manufactured during each of the three census years, representing 64.2 per cent in 1914, 54.4 per cent in 1909, and 58 per cent in 1904.

In addition, 55,673 tons of fertilizers were produced in 1914, by the cottonseed-oil mills, and 42 tons as subsidiary products in other industries, valued in the aggregate at $1,273,063. This makes a total production from all sources in 1914 of 733,795 tons, valued at $14,007,106.

Besides the products shown in the table, 236,221 tons of acid phosphate and 160,327 tons of sulphuric acid were manufactured in 1914 by the 55 establishments reporting, and consumed by them in further processes.

The state ranked third among the states in this industry in 1914 and in 1909.

Printing and publishing.—The following table shows the number of different newspapers and periodicals published and the aggregate circulation per issue of each for the census years 1914, 1909, and 1904.

There was an increase both in number and in circulation of the total newspapers and periodicals from 1909 to 1914, the circulation increasing 57,653, or 20.7 per cent. The dailies, Sunday papers, and weeklies showed increases during the same period, the largest relatively, 31,336, or 96.6 per cent, occurring in the Sunday editions. The dailies also had a large increase.

32,261, or 62.5 per cent, while the weeklies increased 15,357, or 11.5 per cent. In 1914, 8 of the 16 daily papers were morning editions, with an aggregate circulation per issue of 52,570. All of the publications reported were published in the English language, except one weekly, which was in German.

Table 25 — Period of issue	Number of publications			Aggregate circulation per issue		
	1914	1909	1904	1914	1909	1904
Total	140	138	148	336,165	278,512	239,968
Daily	16	13	14	83,885	51,624	32,193
Sunday	7	4	6	63,783	32,447	24,617
Semiweekly	[1] 18	[1] 21	16	29,250	44,622	28,401
Weekly	91	90	103	148,597	133,240	137,439
Monthly	8	[2] 10	[3] 9	10,650	16,579	17,318

[1] Includes one triweekly publication.
[2] Includes one semimonthly and one quarterly.
[3] Includes one biweekly, one quarterly, and one semimonthly.

Turpentine and rosin.—As early as 1849 there were 40 establishments in the state reported as engaged in this industry, having products valued at $235,836. The industry increased until 1879, when 192 establishments were reported, with a product valued at $1,893,206. Since that census there has been a steady decline of the industry, because of the gradual depletion of the longleaf pine forests of the state.

The quantity and value of products, by classes, for 1914, 1909, and 1904 are given in the table below.

Table 26	1914	1909	1904
Total value	$151,801	$406,286	$574,150
Spirits of turpentine:			
Gallons	201,221	460,186	764,412
Value	$78,233	$205,517	$370,046
Rosin:			
Barrels (280 pounds)	16,169	51,401	87,836
Value	$72,377	$199,273	$203,749
All other products, value	$1,191	$1,496	$355

The working unit in turpentine operations is called a "crop," which consists of 10,500 boxes or cups. In 1914 there were 125 crops produced in the state, of which 5 were from virgin trees, 40 from yearling or second-year trees, 42 from third-year workings, and 38 from older trees. Of the 125 crops worked, 16 were worked by the cup system, while in former censuses no such system was reported.

Laundries.—Statistics for power laundries are not included in the general tables or in the totals for all manufacturing industries. Table 27, however, summarizes these statistics for South Carolina for 1914 and 1909.

In 1914 South Carolina ranked forty-fourth among the states in amount received for work done and fortieth in number of persons engaged in the industry. Establishments owned by individuals reported 23.1 per cent of the amount received for work done; those owned by corporations, 54.4 per cent; and those under other forms of ownership, 22.5 per cent.

Table 27 — Power laundries	Number or amount		Per cent of increase,[1] 1909–1914
	1914	1909	
Number of establishments	23	24	.....
Persons engaged	588	440	33.6
Proprietors and firm members	24	26	.....
Salaried employees	47	41	.....
Wage earners (average number)	517	373	38.6
Primary horsepower	604	501	20.6
Capital	$265,692	$183,975	44.4
Salaries and wages	183,769	117,772	56.0
Salaries	37,213	30,344	22.6
Wages	146,556	87,428	67.6
Paid for contract work	.....	2,645	.....
Rent and taxes	14,899	10,625	40.2
Cost of materials	95,898	51,765	85.3
Amount received for work done	422,212	269,112	56.9

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

Table 28 shows, for 1914 and 1909, the number of wage earners employed in the laundries on the 15th of each month, or the nearest representative day, and the percentage which this number represents of the greatest number employed in any month of the same year.

Table 28 — Month	Wage earners: Number		Wage earners: Per cent of maximum	
	1914	1909	1914	1909
January	510	362	95.7	92.3
February	514	365	96.4	93.1
March	513	373	96.2	95.2
April	514	376	96.4	95.9
May	523	373	98.1	95.2
June	528	380	99.1	96.9
July	532	392	99.8	100.0
August	531	361	99.6	92.1
September	533	364	100.0	92.9
October	501	379	94.0	96.7
November	505	386	94.7	98.5
December	498	366	93.4	93.4

Table 29 gives statistics as to the kinds and amounts of power used in the laundries of the state in 1914 and 1909, together with percentages of increase for the five-year period.

Table 29 — Power	Number of engines or motors		Horsepower: Amount		Per cent of increase,[1] 1909–1914
	1914	1909	1914	1909	
Primary power, total	31	28	604	501	20.6
Owned—Steam	18	23	470	450	4.4
Rented—Electric	13	5	134	51	.....
Electric—Generated in establishments reporting	13	22	41	54	.....

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

GENERAL TABLES.

Table 30 gives, for 1914, 1909, and 1904, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for selected industries in the state and in the city having 50,000 inhabitants or more, and for the cities having from 10,000 to 50,000 inhabitants similar data for all industries combined.

Table 31 presents, for 1914, in the state as a whole and in the city with 50,000 inhabitants or more, statistics in detail for each industry that can be shown without the disclosure of the operations of individual establishments, and the statistics for all industries combined for each of the cities having from 10,000 to 50,000 inhabitants.

TABLE 30.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1914	1,885	71,914	340,224	$24,173	$91,009	$138,891
	1909	1,854	73,046	276,378	20,361	66,251	113,236
	1904	1,399	59,441	197,479	13,869	49,969	79,376
Bread and other bakery products.	1914	66	286	278	114	505	806
	1909	63	369	218	119	724	1,100
	1904	52	311	132	99	370	618
Brick, tile, pottery, and other clay products.	1914	36	706	3,002	203	240	590
	1909	49	924	3,128	242	276	759
	1904	53	963	2,956	204	191	697
Canning and preserving	1914	[1] 16	464	387	75	198	345
	1909	15	467	95	64	159	318
	1904	[2] 14	1,044	287	112	349	574
Carriages, wagons, and repairs.	1914	18	209	313	110	273	500
	1909	23	272	272	104	244	464
	1904	38	346	320	118	290	548
Cars and general shop construction and repairs by steam-railroad companies.	1914	9	1,431	842	928	949	2,064
	1909	10	1,418	1,029	687	746	1,499
	1904	8	1,131	510	577	433	1,081
Clothing, men's	1914	4	116	80	31	153	215
	1909	5	99	39	20	94	139
	1904	[2] 5	125	18	25	76	137
Confectionery	1914	22	85	91	32	95	226
	1909	11	22	5	8	37	71
	1904	5	19	.....	4	19	30
Copper, tin, and sheet-iron work.	1914	9	71	4	40	61	122
	1909	8	79	54	35	106	200
	1904	5	24	10	15	13	40
Cotton goods	1914	148	46,448	231,220	14,436	53,889	78,446
	1909	147	45,454	187,716	11,661	41,303	65,930
	1904	127	37,271	133,397	7,702	34,308	49,438
Fertilizers	1914	55	2,050	7,576	803	10,316	13,825
	1909	26	1,851	4,766	671	5,629	9,025
	1904	20	1,071	4,286	304	2,692	3,638
Flour-mill and gristmill products.	1914	37	30	1,046	$12	$346	$421
	1909	10	23	406	7	308	351
	1904	29	60	1,440	18	633	725
Foundry and machine-shop products.	1914	[3] 40	515	984	265	385	937
	1909	34	417	817	194	178	547
	1904	[2] 37	450	1,122	212	171	542
Gas, illuminating and heating.	1914	12	136	509	68	169	496
	1909	12	127	207	52	114	334
	1904	4	108	43	31	59	193
Hosiery and knit goods	1914	6	771	589	187	499	749
	1909	7	839	597	152	334	655
	1904	14	1,058	890	187	586	1,079
Ice, manufactured	1914	36	368	5,271	164	266	818
	1909	32	218	2,964	85	129	433
	1904	18	111	1,835	45	75	244
Lumber and timber products.	1914	[4] 793	11,308	49,551	4,121	3,853	11,658
	1909	851	14,604	49,400	4,378	3,981	13,141
	1904	502	10,641	29,490	2,873	2,506	8,279
Marble and stone work	1914	37	283	486	127	128	401
	1909	36	236	142	120	144	426
	1904	[2] 8	39	2	15	28	67
Mineral and soda waters	1914	113	391	325	150	882	1,541
	1909	100	291	398	87	347	740
	1904	35	135	147	30	116	296
Oil, cottonseed, and cake.	1914	97	2,037	24,690	639	13,643	16,380
	1909	103	1,765	17,730	467	8,720	10,903
	1904	100	1,282	14,500	320	4,553	5,463
Printing and publishing	1914	166	893	937	531	452	1,985
	1909	161	834	603	412	340	1,601
	1904	[2] 150	623	298	268	214	1,038
Turpentine and rosin	1914	35	221	2	41	57	152
	1909	56	443	2	101	164	406
	1904	79	169	9	37	374	574
All other industries	1914	130	3,095	12,040	1,096	3,650	6,214
	1909	95	2,294	5,790	695	2,274	4,194
	1904	96	2,460	2,787	673	1,913	4,075
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
CHARLESTON—All industries.	1914	120	2,737	5,165	$1,227	$3,334	$5,852
	1909	116	2,874	4,824	1,013	4,229	6,951
	1904	108	3,450	.....	1,054	3,748	6,007
Bread and other bakery products.	1914	19	134	77	57	240	366
	1909	20	253	137	81	505	750
	1904	23	252	.....	83	275	457
Carriages and wagons	1914	3	54	71	28	28	73
	1909	3	55	21	20	24	58
	1904	3	40	.....	16	11	40
Foundry and machine-shop products.	1914	[5] 6	139	305	76	69	194
	1909	5	136	269	66	41	166
	1904	[2] 4	182	.....	112	65	243
Lumber and timber products.	1914	[6] 8	367	850	$134	$254	$531
	1909	9	324	898	100	277	497
	1904	8	369	.....	98	202	404
Printing and publishing	1914	20	169	188	105	99	464
	1909	18	198	465	110	110	468
	1904	[2] 15	134	.....	67	72	279
All other industries	1914	64	1,874	3,674	827	2,644	4,224
	1909	61	1,908	3,034	636	3,272	5,012
	1904	55	2,473	.....	678	3,123	4,584
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.							
COLUMBIA	1914	71	2,228	9,330	$1,091	$4,225	$6,765
	[7] 1909	54	2,350	7,363	870	3,296	5,295
	1904	41	2,393	.....	798	2,642	4,677
GREENVILLE	1914	49	1,428	4,087	553	2,435	3,880
	1909	41	1,182	2,574	365	1,228	2,142
	1904	36	1,204	.....	257	1,101	1,677
SPARTANBURG	1914	35	1,880	5,841	$548	$2,278	$3,473
	1909	36	1,773	4,965	499	2,085	3,276
	1904	35	1,650	.....	348	1,544	2,128

[1] Includes "canning and preserving, fruits and vegetables" and "canning and preserving, oysters."
[2] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[3] Includes "automobile repairing;" "engines, steam, gas, and water;" and "structural ironwork, not made in steel works or rolling mills."
[4] Includes "boxes, wooden packing" and "lumber, planing-mill products, not including planing mills connected with sawmills."
[5] Includes "structural ironwork, not made in steel works or rolling mills."
[6] Includes "lumber, planing-mill products, not including planing mills connected with sawmills."
[7] 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 31.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	1,885	77,693	1,815	1,879	1,757	328	71,914	Mh 77,256	Au 68,285	(3)	(3)	(3)	(3)	(3)	$203,210,875
2	Agricultural implements	3	23	2	4	3	.....	14	Ja 27	De [4] 6	25	25	.....	.....	.....	75,377
3	Boxes, wooden packing	6	292	4	7	1	1	279	My 339	Se 206	253	210	15	26	2	137,469
4	Bread and other bakery products	66	399	69	20	7	17	286	De 319	Ja 238	316	290	15	11	.....	387,232
5	Brick and tile, building and fire brick	31	769	30	30	12	1	696	My 902	De 489	912	879	.....	33	.....	945,075
6	Canning and preserving, fruits and vegetables.	4	31	5	1	.....	.....	25	Au 56	Ja [4] 8	54	21	30	3	.....	17,817
7	Canning and preserving, oysters	12	460	10	7	3	1	439	De 939	Je [5] 0	939	400	449	36	54	199,236
8	Carriages, wagons, and repairs	18	259	18	16	9	7	209	Fe 250	No [4] 141	218	205	5	8	.....	565,554
9	Cars and general shop construction and repairs by electric-railroad companies.	5	83	.....	5	3	2	73	Mh 78	Au 65	72	72	.....	.....	.....	718,610
10	Cars and general shop construction and repairs by steam-railroad companies.	9	1,601	.....	39	119	12	1,431	Ja 1,471	Oc 1,372	1,373	1,363	10	.....	.....	1,527,899
11	Clothing, men's	4	132	1	9	6	.....	116	Mh 143	No 82	125	23	102	.....	.....	141,474
12	Confectionery and ice cream	28	160	35	5	7	2	111	.....	.....	125	96	18	9	2	121,531
13	Confectionery	22	118	26	2	4	1	85	Au 93	Ja 77	91	67	16	6	2	87,008
14	Ice cream	6	42	9	3	3	1	26	My 36	Fe 14	34	29	2	3	.....	34,523
15	Copper, tin, and sheet-iron work	9	87	9	2	5	.....	71	De 76	My 67	77	77	.....	.....	.....	74,025
16	Cotton goods	148	47,730	151	572	468	91	46,448	Ja 47,772	Se 45,031	47,554	27,735	12,561	3,937	3,321	134,430,465
17	Fertilizers	55	2,451	5	139	226	31	2,050	Mh 4,859	Au 982	1,942	1,941	1	.....	.....	23,888,514
18	Flour-mill and gristmill products	37	90	51	5	4	.....	30	Jy 33	Fe [4] 27	35	35	.....	.....	.....	221,722
19	Food preparations, not elsewhere specified.	5	26	2	4	4	.....	16	Ja [4] 17	Se [4] 13	17	13	2	2	.....	37,803
20	Foundry and machine-shop products.	36	566	30	31	20	3	482	.....	.....	473	447	24	2	.....	1,053,274
21	Foundries	6	64	3	5	2	.....	54	Au [4] 63	Ja [4] 43	59	59	.....	.....	.....	91,562
22	Machine shops	30	502	27	26	18	3	428	Jy 493	Mh 353	414	388	24	2	.....	961,712
23	Furniture, wood, other than rattan and willow.	3	30	2	1	1	.....	26	Mh 39	De [4] 4	34	32	.....	2	.....	50,071
24	Gas, illuminating and heating	12	214	.....	19	48	11	136	Au 151	Fe 115	148	148	.....	.....	.....	1,736,143
25	Hosiery and knit goods	6	791	2	12	4	2	771	De 847	Ap 732	818	280	367	72	99	734,841
26	Ice, manufactured	36	471	15	60	26	2	368	Jy 537	Ja 219	431	424	4	3	.....	1,909,213
27	Jewelry	3	9	2	.....	.....	.....	7	De [4] 9	Ja [4] 5	8	6	.....	2	.....	5,318
28	Lumber and timber products	739	11,711	927	204	153	27	10,400	Fe 11,766	No 9,097	13,433	13,247	.....	186	.....	13,773,461
29	Lumber, planing-mill products, not including planing mills connected with sawmills.	48	758	36	47	40	6	629	Je 694	De 518	628	628	.....	.....	.....	985,431
30	Marble and stone work	37	358	42	12	17	4	283	Ap 296	Se 271	282	282	.....	.....	.....	323,071
31	Mattresses and spring beds	7	26	7	1	.....	.....	18	Ja [4] 20	Jy 13	28	24	4	.....	.....	41,311
32	Mineral and soda waters	113	635	102	77	60	5	391	Jy 438	Fe 319	429	418	2	9	.....	773,783
33	Oil, cottonseed, and cake	97	2,537	15	286	186	13	2,037	No 3,379	Jy 545	3,419	3,413	2	4	.....	9,066,593
34	Patent medicines and compounds	6	21	5	4	1	.....	11	Ja [4] 12	Oc [4] 10	13	7	5	1	.....	26,000
35	Paving materials	5	270	.....	14	9	2	245	Au 334	Oc 186	297	297	.....	.....	.....	215,962
36	Pottery, earthen and stone ware	5	17	7	.....	.....	.....	10	(6) 10	(6) 10	10	10	.....	.....	.....	8,824
37	Printing and publishing, book and job.	44	342	42	19	32	11	238	Fe 247	Au 229	238	185	39	14	.....	645,932
38	Printing and publishing, newspapers and periodicals.	122	1,060	94	81	182	48	655	.....	.....	667	562	46	59	.....	1,720,529
39	Printing and publishing	16	324	4	29	95	16	180	De [4] 181	Ja 177	181	163	4	14	.....	497,722
40	Printing, publishing, and job printing.	102	729	88	50	85	31	475	Je [4] 484	Ja 462	486	399	42	45	.....	1,216,997
41	Publishing without printing	4	7	2	2	2	1	.....	.....	.....	.....	.....	.....	.....	.....	5,810
42	Saddlery and harness	9	35	8	1	.....	.....	26	Ja [4] 27	Se [4] 24	27	27	.....	.....	.....	66,558
43	Turpentine and rosin	35	281	45	14	1	.....	221	My 303	De 108	302	300	.....	2	.....	62,120
44	Wood, turned and carved	3	24	1	1	.....	1	21	Oc 29	Ja 15	29	29	.....	.....	.....	58,809
45	All other industries *	79	2,944	41	130	100	28	2,645	.....	.....	.....	.....	.....	.....	.....	6,463,828

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

*All other industries embrace—

Artificial stone products	3
Automobile repairing	1
Awnings, tents, and sails	1
Bags, other than paper	2
Baking powders	1
Boots and shoes	1
Boxes, cigar	1
Boxes and cartons, paper	1
Brooms, from broom corn	1
Butter	1
Canning and preserving, fish	1
Cement	1
Clothing, horse	1
Clothing, women's	1
Coffee and spice, roasting and grinding	3
Coffins, burial cases, and undertakers' goods	2
Cordage and twine	2
Cordials and flavoring sirups	1
Druggists' preparations	1
Dyeing and finishing textiles	2
Electrical machinery, apparatus, and supplies	1
Engines, steam, gas, and water	2
Flavoring extracts	1
Furnishing goods, men's	1
Glass	1
Hand stamps	2
Jute goods	2

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$3,211,923	$1,666,544	$24,173,101	$192,410	$177,466	$1,286,492	$86,871,280	$4,137,716	$138,891,202	$47,882,206	340,224	207,480	6,577	42,413	83,754	28,234	1
3,000	1,600	6,706	.....	.....	154	8,027	439	26,744	18,278	82	12	10	.....	60	.....	2
11,590	1,275	70,613	.....	360	996	104,756	3,259	244,723	136,708	587	555	.....	.....	32	.....	3
21,455	8,151	114,477	134	14,782	4,257	486,491	18,508	805,602	300,603	278	.....	17	.....	261	.....	4
35,405	17,726	199,615	98	115	3,267	60,057	178,252	578,819	340,510	2,950	2,333	57	.....	560	.....	5
390	.....	3,253	.....	.....	78	6,346	185	14,171	7,640	40	40	.....	.....	.....	.....	6
9,220	945	72,171	1,010	495	2,803	183,725	7,653	330,893	139,515	347	297	50	.....	.....	.....	7
19,493	11,552	109,650	208	3,008	4,149	267,764	5,473	499,591	226,354	313	82	36	.....	195	15	8
6,050	2,400	32,127	.....	.....	305	38,315	550	80,552	41,687	91	.....	.....	.....	91	.....	9
52,086	105,903	928,296	.....	.....	3,406	929,838	18,857	2,064,141	1,115,446	842	768	6	.....	68	.....	10
10,865	1,836	31,144	7,046	973	998	151,696	1,283	214,559	61,580	80	.....	10	.....	70	.....	11
7,333	7,375	48,387	.....	12,549	1,438	149,844	6,248	344,318	188,226	176	80	.....	.....	96	.....	12
3,000	4,000	31,728	.....	8,109	1,068	91,515	3,787	226,204	130,902	91	80	.....	.....	11	.....	13
4,333	3,375	16,659	.....	4,440	370	58,329	2,461	118,114	57,324	85	.....	.....	.....	85	.....	14
1,680	3,250	39,563	600	1,690	942	60,842	134	121,667	60,691	4	.....	.....	.....	4	.....	15
1,285,675	399,106	14,436,181	36,952	480	779,228	51,111,072	2,778,082	78,446,145	24,556,991	231,220	121,850	200	40,571	68,599	20,770	16
311,363	287,901	803,092	609	13,600	102,405	10,199,529	116,210	13,824,659	3,508,920	7,576	4,060	311	.....	3,205	1,921	17
6,456	2,688	11,631	.....	715	883	340,344	5,842	420,629	74,443	1,046	660	84	272	30	.....	18
3,780	2,480	4,912	.....	1,980	691	181,945	727	202,248	19,576	51	.....	.....	.....	51	.....	19
44,364	20,816	248,088	1,538	6,640	9,175	339,719	23,225	882,142	519,198	965	401	124	.....	440	88	20
4,224	1,533	27,604	.....	667	581	25,242	4,703	75,776	45,831	75	27	6	.....	42	.....	21
40,140	19,283	220,484	1,538	5,973	8,594	314,477	18,522	806,366	473,367	890	374	118	.....	398	88	22
1,200	450	12,720	.....	420	210	12,404	1,962	31,211	16,845	77	65	6	6	.....	.....	23
32,354	30,835	67,867	.....	.....	15,771	43,272	125,901	496,225	327,052	509	494	.....	.....	15	.....	24
18,400	4,625	187,121	2,687	1,245	6,280	484,251	14,893	749,394	250,250	589	505	60	.....	24	7	25
80,210	26,780	163,558	1,326	1,400	23,294	115,063	150,472	818,223	552,688	5,271	5,180	6	.....	85	58	26
.....	.....	3,486	.....	840	85	1,625	145	8,825	7,055	3	.....	.....	.....	3	.....	27
344,763	175,364	3,799,041	.....	20,678	68,890	2,707,233	51,980	9,855,954	7,096,741	46,399	44,919	507	913	60	4,160	28
64,305	33,959	251,023	122,955	6,503	7,754	975,847	10,155	1,557,123	571,121	2,565	2,103	12	.....	450	.....	29
16,060	11,023	127,051	2,120	3,661	1,569	114,242	13,654	400,938	273,042	486	.....	103	.....	383	.....	30
700	.....	6,950	2,527	678	252	22,427	509	37,940	15,004	60	49	.....	.....	11	.....	31
79,799	35,848	149,519	180	19,914	6,055	869,543	12,169	1,541,284	659,572	325	25	119	.....	181	2	32
320,646	154,005	639,331	157	4,653	78,133	13,253,366	389,555	16,379,858	2,736,937	24,690	18,280	557	545	5,308	378	33
6,550	750	2,966	.....	1,590	311	42,767	95	66,090	23,228	2	.....	2	.....	.....	2	34
22,773	7,855	67,090	.....	1,532	935	24,836	18,353	188,946	145,757	1,760	802	160	.....	798	.....	35
.....	.....	3,583	40	60	25	385	1,177	11,033	9,471	53	.....	8	20	25	.....	36
39,908	27,891	146,053	530	11,363	5,463	138,672	6,449	532,405	387,284	197	.....	7	.....	190	.....	37
125,476	159,307	384,477	5,435	25,342	12,211	278,916	28,266	1,452,858	1,145,676	740	38	208	11	483	6	38
50,050	103,694	110,428	12	7,106	3,910	99,525	8,835	519,564	411,204	248	35	20	.....	193	.....	39
74,026	54,113	274,049	2,530	18,236	8,241	179,391	19,431	924,783	725,961	492	3	188	11	290	6	40
1,400	1,500	.....	2,893	.....	60	.....	.....	8,511	8,511	.....	.....	.....	.....	.....	.....	41
1,200	.....	12,713	.....	1,480	712	23,415	311	47,683	23,957	5	.....	.....	.....	5	2	42
6,895	960	41,429	465	655	513	55,340	1,761	151,801	94,700	2	.....	2	.....	.....	.....	43
1,200	474	6,433	593	.....	566	12,086	1,206	30,580	17,288	138	60	18	.....	60	.....	44
219,279	121,414	940,784	5,200	18,065	142,288	3,075,280	143,776	5,431,228	2,212,172	9,705	3,822	3,897	75	1,911	825	45

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

Lead, bar, pipe, and sheet	1
Liquors, distilled, alcohol (including pure, neutral, or cologne spirits)	1
Liquors, malt	1
Lithographing	1
Minerals and earths, ground	1
Optical goods	1
Paints	1
Paper and wood pulp	1
Paper goods, not elsewhere specified	1
Pickles and sauces	1
Rice, cleaning and polishing	1
Roofing materials, metal shingles and ceilings	1
Sausage	3
Shipbuilding, wooden, including repair work	2
Slaughtering and meat packing	2
Steam packing	1
Structural iron work, not made in steel works or rolling mills	1
Sugar, cane	1
Sulphuric, nitric, and mixed acids	1
Surgical appliances	1
Tobacco, cigars	11
Umbrellas and canes	1
Watches	1
Window and door screens	1
Wooden goods, not elsewhere specified	1
Woolen goods	2

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

	Industry and city.	Number of establishments.	Persons engaged in the industry.										Wage earners Dec. 15, or nearest representative day.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.					Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.			Male.	Female.	Male.	Female.	
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
1	**CHARLESTON**—All industries.	120	3,230	79	160	200	54	2,737	Au	2,821	Ja	2,675	2,776	2,100	524	96	56	$5,775,762
2	Bread and other bakery products	19	165	11	13	1	6	134	No [3]	149	Ja	102	145	140	3	2	.....	139,608
3	Carriages and wagons	3	61	3	3	1	.....	54	(4)	54	(4)	54	54	52	.....	2	.....	49,385
4	Confectionery and ice cream	4	73	2	4	4	1	62	Au	70	Ja	54	68	49	12	5	2	74,750
5	Food preparations, not elsewhere specified.	5	26	2	4	4	.....	16	Ja [3]	17	Jy [3]	13	17	13	2	2	.....	37,803
6	Foundry and machine-shop products	6	156	4	7	4	2	139	Au	170	Ja	75	156	155	1	.....	.....	394,447
7	Lumber and timber products	8	410	3	21	14	5	367	Mh	402	Se	313	371	371	.....	.....	.....	420,857
8	Mineral and soda waters	6	40	4	4	7	.....	25	Jy [3]	28	Ja [3]	22	26	25	.....	1	.....	41,870
9	Printing and publishing, book and job.	13	142	13	6	19	7	97	Fe [3]	104	No	90	92	65	20	7	.....	290,928
10	Printing and publishing, newspapers and periodicals.	7	146	7	13	42	12	72	Je [3]	74	Ja	69	73	67	2	4	.....	181,235
11	All other industries *	49	2,011	30	85	104	21	1,771	.....		.....		1,774	1,163	484	73	54	4,144,879
	CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																	
1	ANDERSON	28	1,255	17	37	52	3	1,146	Ja	1,295	Au	1,043	1,178	769	257	80	72	$2,574,904
2	COLUMBIA	71	2,571	50	108	156	29	2,228	Mh	2,780	Au	1,732	2,233	1,880	282	57	14	7,348,257
3	GREENVILLE	49	1,636	32	75	84	17	1,428	Ja	1,472	De	1,371	1,417	832	444	80	61	3,497,020
4	SPARTANBURG	35	2,015	14	46	67	8	1,880	My	1,928	No	1,793	1,814	1,108	444	137	125	4,379,724

[1] Owned power only.

[2] Includes rented power, other than electric.

*All other industries embrace—

Baking powders	1
Boxes, cigar	1
Boxes and cartons, paper	1
Cars and general shop construction and repairs by electric-railroad companies	1
Cars and general shop construction and repairs by steam-railroad companies	2
Clothing, women's	1
Coffee, roasting and grinding	2
Copper, tin, and sheet-iron work	2
Cordials and flavoring sirups	1
Cotton goods	1
Fertilizers	1
Gas, illuminating and heating	1
Hand stamps	1
Ice, manufactured	3
Jewelry	2
Jute goods	1
Liquors, malt	1

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$268,771	$180,964	$1,227,421	$1,066	$37,673	$107,945	$3,167,443	$166,286	$5,851,680	$2,517,951	5,165	4,012	5	.....	1,148	3	1
15,804	3,164	57,341	.....	4,947	2,248	232,567	7,398	365,864	125,899	77	.....	5	.....	72	.....	2
6,000	320	27,761	.....	630	191	26,976	1,433	72,649	44,240	71	.....	.....	.....	71	.....	3
6,000	4,000	25,946	.....	3,117	897	78,689	3,306	176,061	94,066	131	80	.....	.....	51	.....	4
3,780	2,480	4,912	.....	1,980	691	181,945	727	202,248	19,576	51	.....	.....	.....	51	.....	5
13,420	4,260	76,065	.....	1,150	3,898	63,432	6,011	193,648	124,205	305	193	.....	.....	112	.....	6
29,325	12,934	133,913	.....	1,910	4,239	253,194	796	531,381	277,391	850	850	.....	.....	.....	.....	7
6,656	1,500	11,550	.....	2,085	377	49,678	544	92,462	42,240	21	.....	.....	.....	21	.....	8
15,470	18,912	55,752	66	1,858	3,131	53,188	1,712	193,865	138,965	72	.....	.....	.....	72	.....	9
27,140	35,847	48,830	1,000	3,208	1,899	40,767	3,763	269,657	225,127	116	35	.....	.....	81	.....	10
145,176	97,547	785,351	.....	16,788	90,374	2,187,007	140,596	3,753,845	1,426,242	3,471	2,854	.....	.....	617	3	11
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																
$55,570	$16,555	$391,527	$2,050	$5,542	$24,791	$1,187,166	$70,479	$1,903,562	$645,917	5,191	2,700	.....	.....	2,491	9	1
208,308	180,000	1,090,945	2,538	19,317	67,694	4,035,954	188,591	6,764,982	2,540,437	9,330	4,288	30	1,800	3,212	1,495	2
106,893	80,731	553,369	.....	17,768	67,812	2,343,623	91,248	3,879,953	1,445,082	4,087	1,511	.....	225	2,351	15	3
86,849	48,935	548,499	900	7,961	39,852	2,187,592	89,929	3,473,135	1,195,614	5,841	4,617	.....	.....	1,224	322	4

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

[4] Same number reported throughout the year.

Lithographing	1	Patent medicines and compounds	2	Sausage	3	Steam packing	1
Marble and stone work	4	Pickles and sauces	1	Shipbuilding, and wooden repair work	1	Tobacco, cigars	2
Mattresses and spring beds	2	Rice, cleaning and polishing	1	Slaughtering and meat packing	1	Umbrellas and canes	1
Oil, cottonseed, and cake	1	Saddlery and harness	3			Watches	1
Paints	1						