DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

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CENSUS OF MANUFACTURES 1914

MAINE

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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.

MAINE.

By Frederic G. Swett.

GENERAL STATISTICS.

General character of the state.—Maine was admitted to the Union as a state in 1820. With a gross area of 33,040 square miles, 29,895 of which represent land surface, it ranks thirty-eighth in size among the states. Its inhabitants in 1900 numbered 694,466, and in 1910, 742,371, and its estimated population in 1914 was 762,787. In total population Maine ranked thirty-fourth in 1910, and in density of population it ranked thirtieth, with 24.8 inhabitants per square mile, the corresponding figure for 1900 being 23.2.

The urban population of the state in 1910—that is, the population residing in cities and towns of 2,500 inhabitants or more—was 381,443, or 51.4 per cent of the total for the state, as against 48.6 per cent in 1900. There were in the state in 1914 eight cities each having an estimated population of more than 10,000—Auburn, Augusta, Bangor, Biddeford, Lewiston, Portland, Sanford, and Waterville. These cities, whose aggregate population in that year formed 24.3 per cent of the estimated total population of Maine, reported 34.7 per cent of the value of the state's manufactured products.

The steam-railway mileage in 1914, as reported by the Interstate Commerce Commission, was 2,770, and the electric-railway mileage in 1912 (the latest year for which figures are available) was 507. Water transportation is an important factor in the travel and commerce of Maine. The state has a number of excellent harbors, that of Portland being one of the best on the north Atlantic coast, while the Kennebec and Penobscot Rivers are navigable as far as Augusta and Bangor, respectively.

The total value of farm crops produced in Maine in 1909 was $39,317,647, of which amount $10,224,714 was contributed by potatoes. In the quantity of production of this crop the state ranked fourth in the United States in that year.

In 1908 Maine ranked seventh in value of fishery products and first in the catch of lobsters.

Importance and growth of manufactures.—In 1914, as in 1909, this state ranked twenty-seventh among the states in value of products and nineteenth in average number of wage earners, while it ranked twenty-sixth and twenty-fourth, respectively, in value added by manufacture. The output of manufactured products in Maine in 1914 represented eight-tenths of 1 per cent of the total for the United States, as measured by value; the corresponding proportion for 1909 was nine-tenths of 1 per cent and for 1904, 1 per cent.

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

Table 1

	Manufacturing industries.				Per cent of increase.[1]		
	1914	1909	1904	1899	1909–1914	1904–1909	1899–1904
Number of establishments	3,378	3,546	3,145	2,878	—4.7	12.8	9.3
Persons engaged	90,758	88,476	82,109	(2)	2.6	7.8	.....
Proprietors and firm members	3,344	3,661	3,379	(2)	—8.7	8.3	.....
Salaried employees	5,265	4,860	3,772	3,103	8.3	28.8	21.6
Wage earners (average number)	82,149	79,955	74,958	69,914	2.7	6.7	7.2
Primary horsepower	487,211	459,599	343,627	259,232	6.0	33.7	32.6
Capital	$233,844,434	$202,259,592	$143,707,750	$114,007,715	15.6	40.7	26.1
Salaries and wages	50,522,961	43,428,798	36,680,556	28,781,411	16.3	18.4	27.4
Salaries	7,269,258	5,796,514	3,988,797	3,050,676	25.4	45.3	30.8
Wages	43,253,703	37,632,284	32,691,759	25,730,735	14.9	15.1	27.1
Paid for contract work	2,345,876	2,562,345	1,970,885	(2)	—8.4	30.0	.....
Rent and taxes (including internal revenue)	2,723,681	2,058,254	[3] 1,282,705	(2)	32.3	.....	.....
Cost of materials	117,654,909	97,101,224	80,042,090	61,210,327	21.2	21.3	30.8
Value of products	200,450,118	176,029,393	144,020,197	112,959,098	13.9	22.2	27.5
Value added by manufacture (value of products less cost of materials)	82,795,209	78,928,169	63,978,107	51,748,771	4.9	23.4	23.6

[1] A minus sign (—) denotes decrease; percentages are omitted where comparable figures can not be given. [2] Figures not available. [3] Exclusive of internal revenue.

While all of the items in the table, for which figures are given show smaller percentages of increase for the period 1909–1914 than for 1904–1909, there was a substantial increase, for the later period, in every item, except number of establishments, proprietors and firm members, and amount paid for contract work. The decrease in number of establishments and proprietors and firm members is due primarily to the tendency for manufacturing to become concentrated in large establishments and does not re-

flect a corresponding loss in number of wage earners or value of products. The amount paid for contract work depends upon the methods of operation and not upon the magnitude; therefore, the increase of 30 per cent in this item from 1904 to 1909 and the decrease of 8.4 per cent from 1909 to 1914 is of no significance.

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	3,378	82,149	100.0	$200,450,118	100.0	$82,795,209	100.0	2.7	6.7	7.2	13.9	22.2	27.5	4.9	23.4	23.6
Paper and wood pulp	38	10,033	12.2	40,179,744	20.0	14,721,777	17.8	16.0	14.2	56.1	18.4	47.9	73.6	9.5	48.0	48.8
Lumber and timber products	952	15,452	18.8	27,593,121	13.8	14,448,786	17.5	2.4	11.1	25.5	5.6	22.4	39.5	−4.9	22.3	63.8
Boots and shoes, including cut stock and findings	59	8,986	10.9	23,330,101	11.6	8,296,340	10.0	35.6	11.4	−8.0	50.4	23.0	1.4	49.0	33.4	4.7
Cotton goods	15	13,834	16.8	22,121,711	11.0	9,088,742	11.0	−5.5	18.2	−9.8	0.9	42.4	5.3	−13.8	69.1	−17.9
Woolen and worsted goods	57	7,998	9.7	17,531,470	8.7	6,708,354	8.1	−6.5	−2.2	22.2	−2.6	2.4	31.1	−2.5	1.7	23.8
Canning and preserving	194	3,913	4.8	10,742,738	5.4	3,338,824	4.0	1.6	10.4	−46.3	39.7	5.8	17.8	30.2	−15.3	8.5
Foundry and machine-shop products	189	2,874	3.5	5,798,830	2.9	3,155,957	3.8	−0.4	−3.9	34.1	10.7	7.1	35.1	9.1	0.2	57.2
Flour-mill and gristmill products	148	217	0.3	4,425,824	2.2	466,644	0.6	−3.6	−3.8	28.6	−1.8	14.6	25.1	−2.7	−2.2	−5.6
Printing and publishing	204	1,772	2.2	3,716,855	1.9	2,506,462	3.0	7.3	−8.5	9.8	8.1	1.1	26.5	7.3	−5.3	22.9
Bread and other bakery products	202	729	0.9	2,626,106	1.3	1,069,198	1.3	24.4	24.9	−4.7	17.5	50.1	23.6	32.5	31.9	9.1
Marble and stone work	137	1,833	2.2	2,528,845	1.3	1,941,709	2.3	−23.0	−6.0	17.9	−1.4	0.4	26.4	−6.4	−4.8	23.5
Leather, tanned, curried, and finished	10	358	0.4	2,419,005	1.2	358,429	0.4	−17.9	−15.3	−12.3	27.0	−23.8	2.0	−20.9	−13.9	3.3
Wood, turned and carved	59	1,659	2.0	2,208,464	1.1	1,241,173	1.5	28.9	−11.5	70.9	18.1	14.0	92.4	27.8	−0.2	87.1
Clothing, men's, including shirts	27	1,047	1.3	2,173,125	1.1	972,521	1.2	−2.0	−2.0	−28.6	86.7	25.3	−37.5	71.4	8.6	−27.1
Cars and general shop construction and repairs by steam-railroad companies	13	1,344	1.6	2,075,637	1.0	1,069,521	1.3	12.0	39.0	51.1	1.4	72.1	38.9	26.0	68.1	36.9
Copper, tin, and sheet-iron products	26	288	0.4	1,601,826	0.8	710,752	0.9	−23.0	163.4	.....	−5.2	231.8	420.4	5.7	510.0	74.6
Fertilizers	8	155	0.2	1,583,481	0.8	387,994	0.5	.....	.....	.....	165.2	804.5	.....	133.7	514.8	.....
Butter	17	90	0.1	1,426,448	0.7	187,135	0.2	.....	.....	.....	9.6	5.8	.....	7.9	9.7	.....
Slaughtering and meat packing	26	126	0.2	1,370,472	0.7	235,730	0.3	17.8	.....	.....	43.2	.....	.....	36.6	.....	.....
Cooperage and wooden goods, not elsewhere specified	74	476	0.6	1,022,445	0.5	463,761	0.6	36.4	−1.4	128.4	21.4	46.9	130.1	13.8	44.3	100.0
Lime	5	369	0.4	923,032	0.5	366,250	0.4	−29.8	−20.7	.....	−24.0	3.5	.....	−24.7	−15.0	.....
Carriages and wagons and materials	129	343	0.4	851,288	0.4	447,766	0.5	−27.3	2.8	33.4	−11.9	1.0	32.8	−21.4	2.3	25.8
Gas, illuminating and heating	17	220	0.3	768,854	0.4	477,157	0.6	1.9	116.0	.....	40.1	23.6	55.8	41.5	7.0	48.6
Brick, tile, and other clay products	37	467	0.6	740,683	0.4	425,056	0.5	77.6	−20.3	−15.8	90.0	−7.1	−4.5	49.1	−5.6	−9.6
Confectionery	40	215	0.3	715,486	0.4	243,502	0.3	0.5	7.0	35.1	0.6	43.1	67.3	−35.2	93.3	39.6
Glucose and starch	51	114	0.1	628,644	0.3	144,005	0.2	−5.0	12.1	−3.6	−8.4	31.1	−5.8	−32.1	32.5	−18.8
Leather goods	36	259	0.3	577,160	0.3	248,735	0.3	−9.4	−12.0	36.0	−14.5	−4.1	44.0	12.3	−31.2	49.1
Tobacco manufactures	74	242	0.3	473,410	0.2	283,607	0.3	−4.0	3.3	34.1	1.9	3.1	57.9	−0.4	10.1	44.1
Clothing, women's	7	315	0.4	471,696	0.2	242,251	0.3	−40.8	9.5	67.6	−31.2	23.8	92.4	−30.2	42.0	82.8
Patent medicines and compounds, and druggists' preparations	30	113	0.1	467,742	0.2	266,208	0.3	−21.5	−2.0	.....	−38.1	29.2	.....	−52.4	30.9	.....
Stoves and ranges	4	214	0.3	361,435	0.2	250,356	0.3	12.6	−8.2	.....	9.7	8.2	.....	8.2	−0.4	.....
Boxes and cartons, paper	12	288	0.4	358,167	0.2	190,553	0.2	2.9	26.1	18.7	17.8	28.8	13.5	6.1	37.7	19.3
Mineral and soda waters	53	102	0.1	327,825	0.2	144,353	0.2	.....	.....	.....	32.8	−28.6	21.4	−5.3	−10.1	43.2
Furniture	10	111	0.1	275,660	0.1	148,709	0.2	−48.4	−9.3	−29.0	−25.0	−2.4	−35.1	−25.5	−13.8	−21.9
All other industries	418	5,593	6.8	16,032,788	8.0	7,546,892	9.1	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 33; a minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures can not be given.

Separate statistics are presented for 34 industries, or industry groups, for each of which products valued at more than $275,000 were reported for 1914. These industries include 6 with products exceeding $10,000,000 in value, 14 with products between $1,000,000 and $10,000,000, and 14 with products valued at less than $1,000,000. The 6 industries with products exceeding $10,000,000 in value, each—paper and wood pulp, lumber and timber products, boots and shoes, cotton goods, woolen and worsted goods, and canning and preserving—reported in 1914 nearly two-fifths of the total number of establishments in the state and nearly three-fourths of the total average number of wage earners and value of products. The lumber and timber industry reported more than one-fourth of the total number of establishments in the state, nearly one-fifth of the total average number of wage earners, and one-seventh of the total value of products. Paper and wood pulp alone reported one-fifth of the total value of products for the state, leading all other industries in this respect. Among those included under the head of "all other industries," the statistics for which can not be shown separately without the possibility of disclosing the operations of individual establishments, are a number which have products exceeding in value some for which figures are shown in the table, as follows: Bags, paper; carriages and sleds, children's; dyeing and finishing textiles; flavoring extracts; grease and tallow, not including lubricating greases; hats, fur-felt; iron and steel, steel works and rolling mills; oil cloth and linoleum; paper goods, not elsewhere specified; perfumery and cosmetics; pulp goods; shipbuilding, iron and wooden; and wool pulling.

The industries in the table are arranged in the order of their importance as shown by value of products, but this arrangement would vary considerably from that given if based on average number of wage earners, or value added by manufacture. Paper and wood pulp, lumber and timber products, boots and shoes, and cotton goods, the four leading industries in regard to wage earners, value of products, and value added by manufacture, show variations in this respect. Paper and wood pulp ranked first in value of products and value added by manufacture but third in number of wage earners. Lumber and timber products ranked second in value of products and value added by manufacture but was first in number of wage earners. Boots and shoes was third in value of products but was fourth in number of wage earners and value added by manufacture. Cotton goods was fourth in value of products but second in number of wage earners and third in value added by manufacture. Woolen goods was fifth in value of products, average number of wage earners, and value added by manufacture.

In rank according to value of products there were a few changes in 1914 as compared with 1909. Paper and wood pulp and lumber and timber products held the same relative rank, first and second, respectively, for the two censuses. Boots and shoes advanced to third place in 1914, having been fifth in 1909. Cotton goods was third in 1909 but fell to fourth place in 1914. Woolen goods held fourth place in 1909 but dropped to fifth in 1914. Canning and preserving, foundry and machine-shop products, flour-mill and gristmill products, and printing and publishing held the same relative places among the industries shown in this table at both censuses.

Paper and wood pulp.—The manufacture of paper and wood pulp gave employment to an average of 10,033 wage earners in 1914, and the value of products amounted to $40,179,744. This industry contributed 20 per cent of the total value of manufactures of the state in 1914, in which year Maine reported 12.1 per cent of the total value of paper and wood pulp products for the United States, the corresponding figures for 1909 being 12.7 per cent.

Lumber and timber products.—This industry as shown in Table 2, includes not only logging operations, sawmills, and planing mills connected with sawmills, but also planing mills not connected with sawmills, the pulp wood industry, the manufacture of wooden packing boxes, and window and door screens and weather strips, for which there are separate classifications. Considered as a single industry, lumber and timber products was first in importance in the state in 1914 in number of establishments. Its increase in average number of wage earners and value of products during the period 1909–1914 was comparatively small, amounting to only 2.4 and 5.6 per cent, respectively.

Textiles.—Eight textile industries are represented in Maine, namely, the manufacture of cotton goods; woolen and worsted goods; hosiery and knit goods; silk goods; cordage and twine; shoddy; fur-felt hats; and the dyeing and finishing of textiles.

The manufacture of cotton goods ranks fourth among the industries of the state and the manufacture of woolen and worsted goods fifth. The other six textile industries are comparatively of little importance in the state. From 1899 to 1904 the development of the cotton-goods industry of the state was practically stationary, the value of its products increasing only 5.3 per cent; but between 1904 and 1909 the increase was 42.4 per cent. From 1909 to 1914 the increase was only nine-tenths of 1 per cent. In 1914 employment was given to 13,834 wage earners, and the value of products amounted to $22,121,711.

In 1914 the woolen and worsted industry in Maine embraced the operations of 49 woolen mills and 8 worsted mills. There were two felt-goods mills in the state, but the statistics for them could not be shown without disclosing the operations of individual establishments. The industry, as a whole, had a greater growth during the period 1899–1904 than during the periods 1904–1909 and 1909–1914. In the last-named period the industry showed a slight decrease.

Boots and shoes, including cut stock and findings.—The boot and shoe industry in Maine remained practically stationary between 1899 and 1904, but from 1904 to 1909 the value of products increased 23 per cent, chiefly, however, the result of increased prices. From 1909 to 1914 the gain was 50.4 per cent, the industry showing great activity and increasing the output by 69.4 per cent during that period.

Canning and preserving.—This industry, which includes the canning and preserving of fruits, vegetables, fish and oysters, and pickles, preserves, and sauces, ranked sixth among the industries of the state in average number of wage earners and in value of products both in 1909 and in 1914, in which latter year employment was given to 3,913 wage earners, and products, valued at $10,742,738, were reported. During the period 1904–1909 the increase in the value of products in this industry was 5.8 per cent, but in the period 1909–1914 the increase was 39.7 per cent. This increased gain was chiefly in canned vegetables (corn), and fish (sardines) and clams, both of which industries showed great activity.

Shipbuilding, iron, steel, and wooden, including boat building.—Although this was an important industry of the state in 1914, proper comparison of the totals for shipbuilding is impracticable, since for that year it was necessary to tabulate separately the statistics for wooden shipbuilding, and the figures for iron and steel shipbuilding could not be shown without disclosing the operations of individual establishments.

As these two branches of the industry were combined in 1909, the figures for the two years are not comparable.

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	90,758	71,040	19,718	78.3	21.7
	1909	88,476	68,647	19,829	77.6	22.4
Proprietors and officials	1914	5,440	5,308	132	97.6	2.4
	1909	5,649	5,497	152	97.3	2.7
Proprietors and firm members	1914	3,344	3,246	98	97.1	2.9
	1909	3,661	3,532	129	96.5	3.5
Salaried officers of corporations	1914	725	705	20	97.2	2.8
	1909	643	632	11	98.3	1.7
Superintendents and managers	1914	1,371	1,357	14	99.0	1.0
	1909	1,345	1,333	12	99.1	0.9
Clerks and other subordinate salaried employees.	1914	3,169	2,110	1,059	66.6	33.4
	1909	2,872	1,730	1,142	60.2	39.8
Wage earners (average number)	1914	82,149	63,622	18,527	77.4	22.6
	1909	79,955	61,420	18,535	76.8	23.2
16 years of age and over	1914	81,333	63,178	18,155	77.7	22.3
	1909	78,568	60,612	17,956	77.1	22.9
Under 16 years of age	1914	816	444	372	54.4	45.6
	1909	1,387	808	579	58.3	41.7

In 1914 the number of persons engaged in manufactures was 90,758, of whom 82,149, or nine-tenths, were wage earners; 5,440 were proprietors and officials; and 3,169 were clerks and other subordinate salaried employees. Of the wage earners 16 years of age and over, 63,178, or over three-fourths, were males, and 18,155, or about one-fifth, were females. Corresponding figures for individual industries will be found in Table 34.

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.

There was an increase during the five-year period for each of the several classes of employees, with the exception of proprietors and officials and wage earners under 16 years of age, the latter group showing a decrease of 41.2 per cent. The table shows very little variation in the relative importance of the different classes during the five years, the greatest proportional increase being for clerks and other subordinate salaried employees. The decrease in the number of children employed is insignificant when considered in relation to the proportion which this class forms of the total number of persons employed, being nine-tenths of 1 per cent in 1914 and 1.6 per cent in 1909. Wage earners 16 years of age and over represented 89.6 per cent of the total number of persons engaged in the manufacturing industries in the state in 1914 and 88.8 per cent in 1909.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Per cent of increase,[1] 1909–1914. Total.	Male.	Female.	Per cent distribution. Total. 1914	Total. 1909	Male. 1914	Male. 1909	Female. 1914	Female. 1909
All classes	2.6	3.5	−0.6	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	−3.7	−3.4	−13.2	6.0	6.4	7.5	8.0	0.7	0.8
Proprietors and firm members	−8.7	−8.1	−24.0	3.7	4.1	4.6	5.1	0.5	0.6
Salaried officers of corporations	12.8	11.6	.....	0.8	0.7	1.0	0.9	0.1	0.1
Superintendents and managers	1.9	1.8	.....	1.5	1.5	1.9	1.9	0.1	0.1
Clerks and other subordinate salaried employees	10.3	22.0	−7.3	3.5	3.2	3.0	2.5	5.4	5.7
Wage earners (average number)	2.7	3.6	(2)	90.5	90.4	89.5	89.5	94.0	93.5
16 years of age and over	3.5	4.2	1.1	89.6	88.8	88.9	88.3	92.1	90.6
Under 16 years of age	−41.2	−45.0	−35.8	0.9	1.6	0.6	1.2	1.9	2.9

[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.

Each of the classes shown in this table, with the exception of proprietors and firm members, as well as the total for all classes combined, shows increases for both five-year periods; but the increases, both absolute and relative, are much greater for the earlier than for the later period.

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	90,758	88,476	82,109	100.0	100.0	100.0	2.6	7.8
Proprietors and firm members	3,344	3,661	3,379	3.7	4.1	4.1	−8.7	8.3
Salaried employees	5,265	4,860	3,772	5.8	5.5	4.6	8.3	28.8
Wage earners (average)	82,149	79,955	74,958	90.5	90.4	91.3	2.7	6.7

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

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

For all industries combined, the proportion of male wage earners 16 years of age and over has been greater at each successive census, while the proportion of females increased slightly from 1904 to 1909, but decresed during the next five-year period. The actual number of females 16 years of age and over has increased from census to census. The proportion of children under 16 employed as wage earners has decreased from census to census.

Of the 14 industries for which separate figures are given in this table, 6 show an increase from 1909 to 1914 in the proportion of males, and 8 an increase in the proportion of females, while in 5 there was an increase and in 6 a decrease in the proportion of children under 16 years of age. There were 109 children employed in 1914 in the 5 industries showing increases and 66 in 1909. Clothing, men's, including shirts, is the only industry in which the combined proportion of women and children employed as wage earners is greater than that of men. In this industry children under 16 years of age formed four-tenths of 1 per cent of the total number of wage earners in 1914, while in 1909 there were none so reported. The wage earners under 16 years of age are employed principally in the cotton and the woolen goods, canning and preserving, and printing and publishing industries, which together employed over five-sixths of all the wage earners of this age period.

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	82,149	76.9	22.1	1.0
	1909	79,955	75.8	22.5	1.7
	1904	74,958	75.6	22.4	2.0
Boots and shoes, including cut stock and findings.	1914	8,986	64.6	34.7	0.7
	1909	6,626	65.3	33.0	1.7
Bread and other bakery products	1914	729	75.9	22.8	1.4
	1909	586	75.6	21.2	3.2
Canning and preserving	1914	3,913	52.8	45.5	1.7
	1909	3,850	55.8	42.8	1.4
Cars and general shop construction and repairs by steam-railroad companies.	1914	1,344	100.0	.....	.....
	1909	1,200	100.0	.....	.....
Clothing, men's, including shirts	1914	1,047	20.7	78.9	0.4
	1909	1,068	22.8	77.2	.....
Cotton goods	1914	13,834	52.1	44.8	3.1
	1909	14,634	47.6	46.6	5.8
Flour-mill and gristmill products	1914	217	98.2	1.8	.....
	1909	225	99.6	0.4	.....
Foundry and machine-shop products	1914	2,874	98.3	1.5	0.2
	1909	2,885	98.4	1.4	0.2
Lumber and timber products	1914	15,452	99.8	0.2	(2)
	1909	15,086	99.5	0.4	0.2
Marble and stone work	1914	1,833	99.7	0.2	0.1
	1909	2,381	100.0	.....	.....
Paper and wood pulp	1914	10,033	94.8	5.2	.....
	1909	8,647	94.4	5.4	0.2
Printing and publishing	1914	1,772	58.7	39.4	1.8
	1909	1,651	62.1	37.3	0.6
Wood, turned and carved	1914	1,659	90.5	9.2	0.3
	1909	1,287	88.6	11.2	0.2
Woolen and worsted goods	1914	7,998	64.2	33.7	2.0
	1909	8,553	62.4	35.4	2.2
All other industries	1914	10,458	81.3	18.3	0.3
	1909	11,276	81.3	17.7	1.0

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

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

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

Of the cities in this table for which comparative figures are given, only two, Auburn and Portland, show increases in total number of wage earners for each census period. Auburn, the center of the boot and shoe industry in the state, shows the greatest actual increase in total number employed for the decade, 2,159, and for the five-year period 1909–1914, 1,359; corresponding figures for Portland are 852 and 295, respectively. With the exception of Augusta, Biddeford, and Waterville, there is slight variation in the proportion of males and females reported at each census. Every city, except Auburn, however, shows an increase in the proportion of male wage earners and a corresponding decrease in the proportion of females for the decade, and all but Waterville show a similar condition for the five-year period 1909–1914. Only one city, Portland, shows an increase in number of wage earners under 16 years of age during the later period, and in that case there was an increase of only one. Lewiston, the most important city of the state in respect to number of wage earners employed, shows the nearest equal division of male and female wage earners 16 years of age and over in 1914, 54 per cent of the total for the males and 44.6 per cent for

the females, while the most unequal division is shown in Bangor, 85.4 per cent of the wage earners employed in that city being males. The highest percentage of increase during the five-year period 1909–1914 in the total number of wage earners, 39.4, is shown for Auburn; the next highest, 13.8, for Waterville; and the third highest, 6, for Portland.

Table 7

SEX AND AGE.	Census year.	AVERAGE NUMBER OF WAGE EARNERS IN—							
		Auburn.	Augusta.	Bangor.	Biddeford.	Lewiston.	Portland.	Sanford.	Waterville.
Total	1914	4,811	2,231	1,200	5,054	6,222	5,197	3,430	2,062
	1909	3,452	[1] 2,275	1,327	5,076	6,788	4,902	.....	1,812
	1904	2,652	1,860	1,496	4,764	6,167	4,345	.....	2,011
16 years and over:									
Male	1914	3,326	1,500	1,025	3,360	3,357	4,108	2,093	1,298
	1909	2,292	[1] 1,301	1,113	3,335	3,435	3,649	.....	958
	1904	1,846	1,158	1,260	2,750	3,033	3,248	.....	1,129
Female	1914	1,466	697	175	1,542	2,773	1,057	1,231	698
	1909	1,070	[1] 939	211	1,568	3,102	1,222	.....	699
	1904	747	644	234	1,825	2,978	1,055	.....	749
Under 16 years of age	1914	19	34	.....	152	92	32	106	66
	1909	90	[1] 35	3	173	251	31	.....	245
	1904	59	58	2	189	156	42	.....	133
Per cent of total:									
16 years of age and over—									
Male	1914	69.1	67.2	85.4	66.5	54.0	79.0	61.0	62.9
	1909	66.4	57.2	83.9	65.7	50.6	74.4	.....	52.9
	1904	69.6	62.3	84.2	57.7	49.2	74.8	.....	56.1
Female	1914	30.5	31.2	14.6	30.5	44.6	20.3	35.9	33.9
	1909	31.0	41.3	15.9	30.9	45.7	24.9	.....	33.6
	1904	28.2	34.6	15.6	38.3	48.3	24.3	.....	37.2
Under 16 years of age	1914	0.4	1.5	.....	3.0	1.5	0.6	3.1	3.2
	1909	2.6	1.5	0.2	3.4	3.7	0.6	.....	13.5
	1904	2.2	3.1	0.1	4.0	2.5	1.0	.....	6.6

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

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.	
Auburn	1904–1914	81.4	80.2	96.3	.....
	1909–1914	39.4	45.1	37.0	.....
	1904–1909	30.2	24.2	43.2	.....
Augusta	1904–1914	19.9	29.5	8.2	.....
	1909–1914	−1.9	15.3	−25.8	.....
	1904–1909	22.3	12.3	45.8	.....
Bangor	1904–1914	−19.8	−18.7	−25.2	.....
	1909–1914	−9.6	−7.9	−17.1	.....
	1904–1909	−11.3	−11.7	−9.8	.....
Biddeford	1904–1914	6.1	22.2	−15.5	−19.6
	1909–1914	−0.4	0.7	−1.7	−12.1
	1904–1909	6.5	21.3	−14.1	−8.5
Lewiston	1904–1914	0.9	10.7	−6.9	−41.0
	1909–1914	−8.3	−2.3	−10.6	−63.3
	1904–1909	10.1	13.3	4.2	60.9
Portland	1904–1914	19.6	26.5	0.2	.....
	1909–1914	6.0	12.6	−13.5	.....
	1904–1909	12.8	12.3	15.8	.....
Waterville	1904–1914	2.5	15.0	−6.8	−50.4
	1909–1914	13.8	35.5	14.6	−73.1
	1904–1909	−9.9	−15.1	−18.7	84.2

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures can not be given.

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

For 1914 the fall months show the greatest activity in the combined industries of the state, the maximum number of wage earners appearing for September and the minimum for December. The years 1909 and 1904 show a very similar condition in respect to the maximum month, it being October in 1909 and September in 1904. The minimum month, however, for 1909 was July and for 1904 was March. The greatest difference between the maximum and minimum months in any one of the three census years was 11,632, or 14.1 per cent of the maximum, in 1904.

Table 9

MONTH.	WAGE EARNERS IN MANUFACTURING INDUSTRIES.					
	Number.[1]			Per cent of maximum.		
	1914	1909	1904	1914	1909	1904
January	82,527	76,737	71,823	93.7	89.7	87.1
February	82,406	77,541	71,485	93.6	90.7	86.7
March	81,457	77,956	70,858	92.5	91.2	85.9
April	79,169	77,722	72,206	89.9	90.9	87.5
May	83,812	81,355	74,425	95.2	95.2	90.2
June	80,810	79,315	74,634	91.8	92.8	90.5
July	78,888	76,489	72,535	89.6	89.5	87.9
August	79,811	78,086	74,294	90.6	91.3	90.1
September	88,053	85,369	82,490	100.0	99.8	100.0
October	87,519	85,501	82,378	99.4	100.0	99.9
November	83,540	84,468	79,615	94.9	98.8	96.5
December	77,796	78,925	72,753	88.4	92.3	88.2

[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 city 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	82,149	82,527	82,406	81,457	79,169	83,812	80,810	78,888	79,811	**88,053**	87,519	83,540	*77,796*	88.4
Boots and shoes, including cut stock and findings	8,986	**9,978**	9,875	9,637	9,369	9,063	8,288	*8,264*	8,469	8,482	8,461	8,808	9,138	82.8
Bread and other bakery products	729	*569*	572	578	729	748	800	818	**826**	812	780	756	760	68.9
Canning and preserving	3,913	887	*822*	992	1,505	3,293	3,475	4,122	5,778	**11,762**	8,072	4,932	1,316	7.0
Carriages and wagons and materials	343	339	339	358	366	**370**	361	333	328	329	*327*	334	332	88.4
Cars and general shop construction and repairs by steam-railroad companies	1,344	1,367	1,365	1,312	1,306	1,325	*1,274*	1,305	1,314	1,349	1,386	1,405	**1,420**	89.7
Clothing, men's, including shirts	1,047	**1,142**	1,125	1,131	1,088	1,106	1,070	1,009	954	954	1,052	*841*	1,092	73.6
Cooperage and wooden goods, not elsewhere specified	476	479	536	524	518	505	406	*333*	418	416	457	512	**553**	70.2
Copper, tin, and sheet-iron products	288	160	*151*	175	242	300	355	384	321	452	**513**	235	168	29.4
Cotton goods	13,834	14,170	**14,364**	14,205	14,146	14,062	13,767	13,732	13,693	13,500	13,549	13,548	*13,272*	92.4
Flour-mill and gristmill products	217	211	211	212	207	*205*	208	219	221	225	226	229	**230**	89.1
Foundry and machine-shop products	2,874	2,929	2,882	2,858	2,785	2,848	2,969	3,002	3,001	2,950	2,854	2,717	*2,693*	89.7
Leather, tanned, curried, and finished	358	403	**425**	394	401	347	334	315	344	*286*	351	332	364	67.3
Lime	369	428	378	313	331	397	412	**477**	394	329	399	340	*230*	48.2
Lumber and timber products	15,452	**18,093**	17,492	16,317	13,448	16,513	14,618	12,975	*12,443*	13,710	16,591	17,411	15,813	68.8
Marble and stone work	1,833	1,479	1,442	1,715	2,075	**2,231**	2,191	2,075	2,173	2,126	1,964	1,364	*1,161*	52.0
Paper and wood pulp	10,033	10,030	9,946	9,977	10,097	10,129	10,166	**10,342**	10,141	10,175	10,046	9,802	*9,545*	92.3
Printing and publishing	1,772	1,829	1,842	**1,845**	1,805	1,780	1,773	*1,685*	1,691	1,706	1,740	1,765	1,803	91.3
Wood, turned and carved	1,659	1,937	**2,014**	1,874	1,769	1,582	1,583	1,474	1,435	*1,417*	1,587	1,612	1,624	70.4
Woolen and worsted goods	7,998	7,756	8,097	8,243	8,264	8,106	7,992	7,466	*7,338*	8,002	8,218	8,062	**8,432**	87.0
All other industries	8,624	8,341	8,528	8,797	8,718	8,902	8,768	8,503	8,529	**9,071**	8,946	8,535	*7,850*	86.5
Total for cities	30,207	31,148	**31,255**	30,903	30,672	30,710	29,658	*29,413*	29,465	29,719	29,996	29,870	29,675	94.1
AUBURN	4,811	5,269	5,316	**5,322**	5,311	5,170	4,295	*4,246*	4,346	4,448	4,392	4,732	4,885	79.8
AUGUSTA	2,231	**2,446**	2,433	2,246	2,287	2,126	2,173	2,154	*2,094*	2,114	2,288	2,269	2,142	85.6
BANGOR	1,200	1,107	1,149	1,177	1,173	1,255	1,253	1,218	**1,262**	1,258	1,247	1,208	*1,093*	86.6
BIDDEFORD	5,054	5,057	5,119	5,088	4,896	4,953	*4,884*	5,020	5,034	5,134	**5,290**	5,154	5,019	92.3
LEWISTON	6,222	6,555	**6,577**	6,409	6,473	6,432	6,260	6,131	6,131	6,029	6,022	*5,741*	5,904	87.3
PORTLAND	5,197	5,149	5,104	5,226	5,170	**5,379**	5,347	5,319	5,268	5,258	5,189	5,042	*4,913*	91.3
SANFORD	3,430	3,515	3,513	3,406	3,361	3,353	3,371	*3,259*	3,280	3,442	3,509	**3,589**	3,562	90.8
WATERVILLE	2,062	2,050	2,044	2,029	*2,001*	2,042	2,075	2,066	2,050	2,036	2,059	2,135	**2,157**	92.8

Of the selected industries, canning and preserving, an industry ranking sixth in the state, shows the greatest degree of fluctuation, the number of wage earners in February being but 7 per cent of the number in September. This industry, being a seasonal one, however, the fluctuation is natural. The least fluctuation is shown for cotton goods, for which industry the proportion which the minimum formed of the maximum was 92.4.

Of the eight cities, Auburn shows the greatest fluctuation, the percentage that the minimum formed of the maximum for this city being 79.8. For no other city was the corresponding percentage less than 85. The greatest stability of employment is shown by Waterville, for which the percentage that the minimum formed of the maximum was 92.8; for three other cities, Biddeford, Portland, and Sanford, it was more than 90.

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

The figures in this table, for the state as a whole and for the selected industries, emphasize the tendency toward a shortening of the working day for wage earners.

In 1909, 6,679, or one-twelfth of the total average number of wage earners for all industries combined, were employed in establishments where the prevailing hours of labor were more than 60 per week, whereas, 3,500, or about one-twenty-fifth, were so employed in 1914. Also the number of wage earners whose working hours were 60 per week decreased from 41,696, or 52.1 per cent of the total for the state, in 1909, to 16,345, or 19.9 per cent of the total, in 1914; and during the five-year period there was a marked increase in the proportion in all except one of the four groups working fewer than 60 hours per week.

Among the large industries, cotton goods and woolen goods show the most pronounced decrease in hours of labor. In 1909, 92.4 per cent of the wage earners in the former industry were employed in establishments where the hours of labor were 60 per week, but in 1914, all of the wage earners were employed in establishments where the hours of labor were between 54 and 60. In the woolen-goods industry the conditions in regard to the decrease in the hours of labor in 1914 were about the same as for cotton goods. In 1914, for all industries combined and for several of the separate industries, the greatest num-

ber of the wage earners were employed in establishments in which the prevailing hours of labor were between 54 and 60 per week. There were, however, some notable exceptions. In canning and preserving and lumber and timber products, a large majority of the wage earners were reported by establishments with prevailing hours 60 and over. Many wage earners in the paper and wood-pulp industry (283, or 2.8 per cent) were reported by establishments where the hours of labor were 72 per week.

Of the combined total average number of wage earners, 30,207, for the eight cities in 1914, 21,734, or 72 per cent, were in establishments where the prevailing hours were between 54 and 60 per week, while only 1,697, or 5.6 per cent, were in establishments in which the hours were 60 or more per week.

The four cities, Auburn, Biddeford, Lewiston, and Sanford, in which are centered the boot and shoe and the textile industries of the state, reported 91.1 per cent of the total for all wage earners in those cities in establishments in which the prevailing hours were between 54 and 60 per week. A small proportion of wage earners is reported by cities in establishments where the hours of labor were 60 or over.

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	82,149	5,556	3,799	13,268	39,681	16,345	3,132	292	76
	1909	79,955	4,409	4,378	7,483	15,310	41,696	5,032	1,163	484
Boots and shoes, including cut stock and findings	1914	8,986	.....	73	518	8,117	252	26	.....	.....
	1909	6,626	1	171	268	4,775	1,411	.....	.....	.....
Bread and other bakery products	1914	729	52	10	205	170	258	32	2	.....
	1909	586	38	4	91	7	374	31	30	11
Canning and preserving	1914	3,913	150	65	499	56	3,142	1	.....	.....
	1909	3,850	10	.....	123	79	3,617	4	17	.....
Carriages and wagons and materials	1914	343	4	8	86	113	125	7	.....	.....
	1909	472	3	.....	50	105	313	1	.....	.....
Cars and general shop constructions and repairs by steam-railroad companies.	1914	1,344	.....	889	343	9	103	.....	.....	.....
	1909	1,200	.....	670	268	192	44	26	.....	.....
Clothing, men's, including shirts	1914	1,047	49	104	557	312	25	.....	.....	.....
	1909	1,068	6	64	509	416	73	.....	.....	.....
Cooperage and wooden goods, not elsewhere specified	1914	476	10	5	158	162	141	.....	.....	.....
	1909	349	9	.....	151	54	134	1	.....	.....
Copper, tin, and sheet-iron products	1914	288	60	.....	17	134	77	.....	.....	.....
	1909	374	52	.....	18	86	218	.....	.....	.....
Cotton goods	1914	13,834	.....	.....	.....	13,834	.....	.....	.....	.....
	1909	14,634	.....	.....	.....	1,118	13,516	.....	.....	.....
Flour-mill and gristmill products	1914	217	9	.....	45	15	144	2	2	.....
	1909	225	38	.....	17	36	130	2	2	.....
Foundry and machine-shop products	1914	2,874	11	98	1,093	1,325	342	5	.....	.....
	1909	2,885	9	8	774	1,647	447	.....	.....	.....
Leather, tanned, curried, and finished	1914	358	.....	.....	1	308	49	.....	.....	.....
	1909	436	1	.....	17	233	185	.....	.....	.....
Lime	1914	369	.....	.....	.....	.....	314	.....	.....	55
	1909	526	4	.....	.....	.....	174	21	.....	327
Lumber and timber products	1914	15,452	149	166	2,165	1,970	8,563	2,439	.....	.....
	1909	15,086	30	129	1,061	1,320	8,784	3,758	4	.....
Marble and stone work	1914	1,833	1,451	3	319	1	59	.....	.....	.....
	1909	2,381	1,983	16	217	17	148	.....	.....	.....
Paper and wood pulp	1914	10,033	1,666	1,677	3,753	2,221	12	421	283	.....
	1909	8,647	1,011	2,775	1,992	236	841	667	1,085	40
Printing and publishing	1914	1,772	624	231	821	65	31	.....	.....	.....
	1909	1,651	573	142	690	208	38	.....	.....	.....
Wood, turned and carved	1914	1,659	5	47	43	1,049	515	.....	.....	.....
	1909	1,287	3	.....	71	235	773	199	.....	6
Woolen and worsted goods	1914	7,998	.....	.....	166	7,374	458	.....	.....	.....
	1909	8,553	.....	.....	2	500	8,050	.....	1	.....
All other industries	1914	8,624	1,316	423	2,479	2,446	1,735	199	5	21
	1909	9,119	638	399	1,164	4,046	2,426	322	24	100
Total for cities	1914	30,207	1,306	1,417	4,053	21,734	1,581	107	5	4
Auburn	1914	4,811	39	4	222	4,480	61	.....	5	.....
Augusta	1914	2,231	55	22	777	1,050	317	10	.....	.....
Bangor	1914	1,200	165	185	460	242	128	20	.....	.....
Biddeford	1914	5,054	60	71	48	4,628	243	.....	.....	4
Lewiston	1914	6,222	183	21	421	5,414	127	56	.....	.....
Portland	1914	5,197	614	736	1,963	1,310	559	15	.....	.....
Sanford	1914	3,430	11	.....	47	3,264	105	3	.....	.....
Waterville	1914	2,062	179	378	115	1,346	41	3	.....	.....

Location of establishments.—Table 12 shows, for 1914, 1909, and 1899, the extent to which the manufactures in Maine 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	.....	8	.....	5	.....	3	.....	.....	.....
	1910	.....	7	.....	5	.....	2	.....	.....	.....
	1900	.....	7	.....	6	.....	1	.....	.....	.....
Population [1]	1914	762,787	185,441	24.3	69,914	9.2	115,527	15.1	577,346	75.7
	1910	742,371	166,433	22.4	81,615	11.0	84,818	11.4	575,938	77.6
	1900	694,466	147,012	21.2	96,867	13.9	50,145	7.2	547,454	78.8
Number of establishments	1914	3,378	793	23.5	277	8.2	516	15.3	2,585	76.5
	1909	3,546	675	19.0	321	9.1	354	10.0	2,871	81.0
	1899	2,878	631	21.9	397	13.8	234	8.1	2,247	78.1
Average number of wage earners	1914	82,149	30,207	36.8	17,588	21.4	12,619	15.4	51,942	63.2
	1909	79,955	25,632	32.1	13,942	17.4	11,690	14.6	54,323	67.9
	1899	69,914	23,190	33.2	19,427	27.8	3,763	5.4	46,724	66.8
Value of products	1914	$200,450,118	$69,486,825	34.7	$40,605,511	20.3	$28,881,314	14.4	$130,963,293	65.3
	1909	176,029,393	51,466,847	29.2	29,041,106	16.5	22,425,741	12.7	124,562,546	70.8
	1899	112,959,098	36,896,611	32.7	29,562,861	26.2	7,333,750	6.5	76,062,487	67.3
Value added by manufacture	1914	82,795,209	28,996,315	35.0	16,114,545	19.5	12,881,770	15.6	53,798,894	65.0
	1909	78,928,169	23,393,234	29.6	12,251,413	15.5	11,141,821	14.1	55,534,935	70.4
	1899	51,748,771	17,567,395	33.9	13,837,036	26.7	3,730,359	7.2	34,181,376	66.1

[1] Census estimate of population for 1914.

This table shows that for 1914 the eight cities, which represented 24.3 per cent of the total population of the state, reported 34.7 per cent of the value of products, 36.8 per cent of the total average number of wage earners, 23.5 per cent of the total number of establishments, and 35 per cent of the total value added by manufacture.

Comparisons for the cities or for the districts outside are affected by the increase or decrease in the population of cities. The population of Sanford in 1899 and 1909 and that of Waterville in 1899 was less than 10,000 and statistics for these cities therefore, were included with those for the outside districts, while Bath which had a population of 10,000 in 1899 had less than 10,000 inhabitants in 1909 and 1914 and was included with the outside districts at the later censuses.

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

Table 13	Average number of wage earners.			Value of products.		
City.	1914	1909	1904	1914	1909	1904
Portland	5,197	4,902	4,345	$14,704,879	$11,950,367	$9,132,801
Auburn	4,811	3,452	2,652	13,839,604	8,842,629	6,407,157
Lewiston	6,222	6,788	6,167	10,619,045	10,475,374	8,527,649
Biddeford	5,054	5,076	4,764	9,536,381	9,011,606	6,948,722
Sanford	3,430	.....	.....	8,299,801	.....	.....
Augusta	2,231	[1] 2,275	1,860	4,917,954	4,662,174	3,886,833
Waterville	2,062	1,812	2,011	4,011,771	3,178,980	3,069,309
Bangor	1,200	1,327	1,496	3,557,390	3,345,717	3,408,355

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

Every city for which comparative figures are given shows an increase in value of products from 1909 to 1914, and all, except Bangor, show increases from 1904 to 1909. The percentages of increase were greater from 1904 to 1909 for Portland, Lewiston, Biddeford, and Augusta, while Auburn, Bangor, and Waterville show considerably greater increases for the period 1909–1914. Portland's relative gain in value of products from 1909 to 1914 was the third largest in the state, and was only slightly less than that of Waterville. Portland, however, ranked first in the total value of manufactured products, with Auburn in second place.

Lumber and timber products, foundry and machine-shop products, canning and preserving, printing and publishing, and the manufacture of boots and shoes were the leading industries in Portland in 1914. About one-fourteenth of the total value of manufactured products of the entire state is reported from this city alone; also 82.4 per cent of the women's clothing industry; 30.8 per cent of the foundry and machine-shop products; and 25.5 per cent of printing and publishing.

General gains over the 1909 figures were reported from Auburn, due principally to the growth of its boot and shoe industry. About two-fifths of the entire production in value of the state in boots and shoes was reported from this city. Slaughtering and meat packing, the manufacture of butter, wooden packing boxes, lumber, and bakery products were among the important industries in this city in 1914.

Lewiston and Biddeford together reported over 60 per cent of the total cotton goods products of the state. Lewiston also reported the manufacture of men's clothing and shirts, woolen goods, dyeing and finishing textiles, and flour-mill and gristmill products,

as chief industries in that city. Biddeford's chief manufactures, in addition to cotton, were foundry and machine-shop products and lumber and timber products.

The chief industry of Augusta in 1914 was printing and publishing, which formed 26 per cent of the total value of all products of that city, and 34 per cent of the total value of products for that industry in the state. Other leading industries in Augusta in 1914 were cotton goods, boots and shoes, lumber and timber products, and paper and wood pulp.

In Waterville the textile industry was the most important in 1914, with car repairs for steam railroads taking second place. Paper and wood pulp and the manufacture of shirts were also important industries in that city.

Bangor reported 43 different industries in 1914, of which printing and publishing was the most important on a basis of value of products. Wool pulling, flour-mill and gristmill products, slaughtering and meat packing, lumber and timber products, stoves and furnaces, tobacco (cigars), and trunks and valises followed in importance in the order named.

In Sanford the manufacture of woolen and worsted goods and boots and shoes greatly predominated.

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	1,894	829	655	82,149	8,521	66,638	6,990	10.4	81.1	8.5	$200,450,118	$19,292,277	$165,119,855	$16,037,986	9.6	82.4	8.0
	1909	1,923	861	762	79,955	9,579	61,340	9,0 6	12.0	76.7	11.3	176,029,393	18,904,839	136,156,275	20,968,279	10.7	77.3	11.9
	1904	1,736	671	738	74,958	10,290	53,138	11,530	13.7	70.9	15.4	144,020,197	19,168,440	101,575,154	23,276,603	13.3	70.5	16.2
Boots and shoes, including cut stock and findings.	1914	8	43	8	8,986	36	8,427	523	0.4	93.8	5.8	23,330,101	176,941	21,335,028	1,818,132	0.8	91.4	7.8
	1909	8	39	8	6,626	43	5,302	1,281	0.6	80.0	19.3	15,508,771	76,980	12,643,476	2,788,315	0.5	81.5	18.0
Canning and preserving	1914	66	70	58	3,913	468	2,986	459	12.0	76.3	11.7	10,742,738	1,098,537	8,505,480	1,138,721	10.2	79.2	10.6
	1909	91	88	66	3,850	447	2,568	835	11.6	66.7	21.7	7,688,833	755,899	5,370,626	1,562,308	9.8	69.8	20.3
Cotton goods	1914	.....	15	.....	13,834	.....	13,834	.....	.....	100.0	.....	22,121,711	.....	22,121,711	.....	.....	100.0	.....
	1909	.....	16	.....	14,634	.....	14,634	.....	.....	100.0	.....	21,932,225	.....	21,932,225	.....	.....	100.0	.....
Foundry and machine-shop products.	1914	104	53	32	2,874	295	2,490	89	10.3	86.6	3.1	5,798,830	539,532	5,033,291	226,007	9.3	86.8	3.9
	1909	54	45	26	2,885	166	2,577	142	5.8	89.3	4.9	5,236,752	400,738	4,560,573	275,441	7.7	87.1	5.3
Lumber and timber products.	1914	583	133	236	15,452	4,346	8,280	2,826	28.1	53.6	18.3	27,593,121	6,389,885	17,495,429	3,707,807	23.2	63.4	13.4
	1909	619	147	299	15,086	5,243	6,983	2,860	34.8	46.3	19.0	26,124,640	7,068,199	14,118,407	4,938,034	27.1	54.0	18.9
Paper and wood pulp	1914	1	32	5	10,033	.....	8,680	[1] 1,353	.....	86.5	13.5	40,179,744	.....	35,734,335	[1] 4,445,409	.....	88.9	11.1
	1909	2	38	5	8,647	.....	7,239	[1] 1,408	.....	83.7	16.3	33,950,230	.....	29,110,796	[1] 4,839,434	.....	85.7	14.3
Woolen and worsted goods	1914	3	50	4	7,998	13	7,748	237	0.2	96.9	3.0	17,531,470	25,075	16,994,767	511,628	0.1	96.9	2.9
	1909	10	48	5	8,553	108	8,194	251	1.3	95.8	2.9	18,001,890	173,102	17,380,291	448,497	1.0	96.5	2.5
Total for cities	1914	395	280	118	30,207	1,391	27,926	890	4.6	92.4	2.9	69,486,825	4,701,219	62,051,774	2,733,832	6.8	89.3	3.9
Auburn	1914	44	30	10	4,811	132	4,450	229	2.7	92.5	4.8	13,839,604	1,008,421	11,783,206	1,047,977	7.3	85.1	7.6
Augusta	1914	15	17	7	2,231	48	2,156	27	2.2	96.6	1.2	4,917,954	95,598	4,728,225	94,131	1.9	96.1	1.9
Bangor	1914	62	41	19	1,200	245	872	83	20.4	72.7	6.9	3,557,390	774,648	2,520,980	261,762	21.8	70.9	7.4
Biddeford	1914	40	10	15	5,054	129	4,884	41	2.6	96.6	0.8	9,536,381	261,931	9,163,940	110,510	2.7	96.1	1.2
Lewiston	1914	58	24	16	6,222	221	5,733	268	3.6	92.1	4.3	10,619,045	496,186	9,577,511	545,348	4.7	90.2	5.1
Portland	1914	127	132	37	5,197	415	4,581	201	8.0	88.1	3.9	14,704,879	1,500,201	12,623,292	581,386	10.2	85.8	4.0
Sanford	1914	25	9	10	3,430	121	3,275	34	3.5	95.5	1.0	8,299,801	266,415	7,957,506	75,880	3.2	95.9	0.9
Waterville	1914	24	17	4	2,062	80	1,975	7	3.9	95.8	0.3	4,011,771	297,819	3,697,114	16,838	7.4	92.2	0.4

[1] Includes the group "individuals."

This table shows, for all industries combined, an increase during the decade 1904–1914 in the number of establishments throughout the state under the two forms of ownership—individual and corporation. The greatest proportion of the establishments, almost three-fifths, is shown for those under individual ownership, but in value of products and average number of wage earners, those owned by corporations greatly predominate. In 1914, although only 24.5 per cent of the total number of establishments in the state were under corporate ownership, this class reported 82.4 per cent of the total value of products and 81.1 per cent of the total average number of wage earners. In 1909 and in 1904 the corresponding proportions are only slightly less. The proportions of average number of wage earners and of value of products reported by corporations have been greater at each successive census.

For both 1914 and 1909, the largest proportion of the total value of products, for each of the seven industries for which separate statistics are given, is shown for establishments under corporate ownership. This condition prevailed also in 1914, as regards all industries combined in each of the eight cities. Here, how-

ever, a greater proportion of the establishments than in the state as a whole—a little more than one-third for all cities taken as a group—are under corporate ownership.

Size of establishments.—The tendency for manufacturing to become concentrated in large establishments, or the reverse is indicated by the statistics given in Table 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	3,378	3,546	3,145	82,149	79,955	74,958	$200,450,118	$176,029,393	$144,020,197	$82,795,209	$78,928,169	$63,978,107
Less than $5,000	1,371	1,451	1,213	1,843	2,178	1,718	3,268,727	3,286,165	2,899,282	2,072,857	2,098,923	1,810,707
$5,000 to $20,000	1,119	1,194	1,091	6,011	6,919	6,259	11,382,433	12,260,959	10,886,567	6,027,037	6,526,395	5,810,455
$20,000 to $100,000	569	610	565	12,443	13,308	14,039	24,833,858	26,688,857	25,150,503	11,454,947	12,849,097	12,651,163
$100,000 to $1,000,000	286	266	259	31,886	32,998	36,077	81,559,879	76,542,507	72,268,023	31,997,530	32,216,172	30,449,802
$1,000,000 and over	33	25	17	29,966	24,552	16,865	79,405,221	57,250,905	32,815,822	31,242,838	25,237,582	13,255,980
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	40.6	40.9	38.6	2.2	2.7	2.3	1.6	1.9	2.0	2.5	2.7	2.8
$5,000 to $20,000	33.1	33.7	34.7	7.3	8.7	8.4	5.7	7.0	7.6	7.3	8.3	9.1
$20,000 to $100,000	16.8	17.2	18.0	15.1	16.6	18.7	12.4	15.2	17.5	13.8	16.3	19.8
$100,000 to $1,000,000	8.5	7.5	8.2	38.8	41.3	48.1	40.7	43.5	50.2	38.6	40.8	47.6
$1,000,000 and over	1.0	0.7	0.5	36.5	30.7	22.5	39.6	32.5	22.8	37.7	32.0	20.7

In 1914, 319 establishments, or 9.5 per cent of the total number in the state, each reported products exceeding $100,000 in value, as compared with 291, or 8.2 per cent of the total, in 1909, and 276, or 8.7 per cent, in 1904. In 1914 these establishments reported 75.3 per cent of the total average number of wage earners for the state, 80.3 per cent of the value of products, and 76.3 per cent of the total value added by manufacture. In the same year the small establishments—those having products less than $5,000 in value—although representing 40.6 per cent of the total number of establishments, reported only 1.6 per cent of the total value of products, 2.5 per cent of the value added by manufacture, and 2.2 per cent of the average number of wage earners.

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

For 1914, as compared with 1909, this table shows that for only one of the industries—foundry and machine-shop products—there was an increase in the number of establishments having products under $5,000 in value; and for three there were decreases, one industry remaining the same in both years. The establishments having products valued at $100,000 and over, show increases in value of products for all industries, with the exception of woolen and worsted goods. Boots and shoes, canning and preserving, lumber and timber products, and paper and wood pulp, show increases in the number of wage earners; and boots and shoes, canning and preserving, foundry and machine-shop products, and paper and wood pulp, increases in value added by manufacture. Furthermore, for all industries, with the exception of foundry and machine-shop products and woolen and worsted goods, the larger establishments reported greater proportions of the average number of wage earners for 1914 than for 1909; with the exception of woolen and worsted goods, a greater proportion of value of products; and for all industries, of value added by manufacture.

Table 16

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.	
			1914	1909			1914	1909			1914	1909			1914	1909
BOOTS AND SHOES, INCLUDING CUT STOCK AND FINDINGS	59	55	100.0	100.0	8,986	6,626	100.0	100.0	$23,330,101	$15,508,771	100.0	100.0	$8,296,340	$5,568,266	100.0	100.0
Less than $5,000	5	5	8.5	9.1	2	18	(1)	0.3	10,231	11,290	(1)	0.1	5,433	8,548	0.1	0.2
$5,000 to $20,000	13	9	22.0	16.4	93	35	1.0	0.5	143,201	84,174	0.6	0.5	66,395	38,381	0.8	0.7
$20,000 to $100,000	14	14	23.7	25.5	364	398	4.1	6.0	783,304	650,362	3.4	4.2	291,732	260,566	3.5	4.7
$100,000 to $1,000,000	20	[2] 27	33.9	49.1	2,925	6,175	32.6	93.2	7,842,663	14,762,945	33.6	95.2	2,788,397	5,260,771	33.6	94.5
$1,000,000 and over	7	.....	11.9	.....	5,602	.....	62.3	.....	14,550,702	.....	62.4	.....	5,144,383	.....	62.0	.....
CANNING AND PRESERVING	194	245	100.0	100.0	3,913	3,850	100.0	100.0	10,742,738	7,688,833	100.0	100.0	3,338,824	2,563,915	100.0	100.0
Less than $5,000	33	71	17.0	29.0	79	174	2.0	4.5	74,161	143,350	0.7	1.9	29,063	71,149	0.9	2.8
$5,000 to $20,000	69	96	35.6	39.2	453	730	11.6	19.0	820,126	1,063,936	7.6	13.8	280,528	433,787	8.4	16.9
$20,000 to $100,000	60	62	30.9	25.3	978	1,135	25.0	29.5	2,381,857	2,415,024	22.2	31.4	771,890	865,279	23.1	33.7
$100,000 to $1,000,000	32	16	16.5	6.5	2,403	1,811	61.4	47.0	7,466,594	4,066,523	69.5	52.9	2,257,343	1,193,700	67.6	46.6

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

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

Table 16—Continued.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909
COTTON GOODS	15	16	100.0	100.0	13,834	14,634	100.0	100.0	$22,121,711	$21,932,225	100.0	100.0	$9,088,742	$10,541,746	100.0	100.0
$100,000 to $1,000,000	6	[1] 8	40.0	50.0	1,446	1,970	10.5	13.5	2,417,626	2,944,185	10.9	13.4	956,299	1,349,787	10.5	12.8
$1,000,000 and over	9	8	60.0	50.0	12,388	12,664	89.5	86.5	19,704,085	18,988,040	89.1	86.6	8,132,443	9,191,959	89.5	87.2
FOUNDRY AND MACHINE-SHOP PRODUCTS	189	125	100.0	100.0	2,874	2,885	100.0	100.0	5,798,830	5,236,752	100.0	100.0	3,155,957	2,892,830	100.0	100.0
Less than $5,000	88	52	46.6	41.6	109	60	3.8	2.1	206,211	124,080	3.6	2.4	153,112	88,311	4.9	3.1
$5,000 to $20,000	69	42	36.5	33.6	325	220	11.3	7.6	633,353	415,141	10.9	7.9	430,128	264,620	13.6	9.1
$20,000 to $100,000	21	24	11.1	19.2	439	578	15.3	20.0	809,185	1,147,043	14.0	21.9	476,641	662,682	15.1	22.9
$100,000 and over	[2] 11	[2] 7	5.8	5.6	2,001	2,027	69.6	70.3	4,150,081	3,550,488	71.6	67.8	2,096,076	1,877,217	66.4	64.9
LUMBER AND TIMBER PRODUCTS	952	1,065	100.0	100.0	15,452	15,086	100.0	100.0	27,593,121	26,124,640	100.0	100.0	14,448,786	15,194,465	100.0	100.0
Less than $5,000	405	465	42.5	43.7	799	918	5.2	6.1	1,026,565	1,069,114	3.7	4.1	716,566	742,817	5.0	4.9
$5,000 to $20,000	313	360	32.9	33.8	2,381	2,964	15.4	19.6	3,299,678	3,765,176	12.0	14.4	2,113,383	2,416,751	14.6	15.9
$20,000 to $100,000	174	184	18.3	17.3	4,920	4,780	31.8	31.7	7,388,388	7,472,019	26.8	28.6	4,153,563	4,416,717	28.7	29.1
$100,000 and over	[2] 60	56	6.3	5.3	7,352	6,424	47.6	42.6	15,878,490	13,818,331	57.5	52.9	7,465,274	7,618,180	51.7	50.1
PAPER AND WOOD PULP	38	45	100.0	100.0	10,033	8,647	100.0	100.0	40,179,744	33,950,230	100.0	100.0	14,721,777	13,446,017	100.0	100.0
$5,000 to $20,000	.....	[3] 3	.....	6.7	.....	21	.....	0.2	.....	19,120	.....	0.1	.....	8,915	.....	0.1
$20,000 to $100,000	[4] 7	7	18.4	15.5	132	150	1.3	1.7	288,817	426,527	0.7	1.3	122,593	221,558	0.8	1.6
$100,000 to $1,000,000	23	26	60.5	57.8	3,136	3,493	31.3	40.4	11,099,859	10,751,345	27.6	31.7	3,701,590	3,897,434	25.1	29.0
$1,000,000 and over	8	9	21.1	20.0	6,765	4,983	67.4	57.6	28,791,068	22,753,238	71.7	67.0	10,897,594	9,318,110	74.0	69.3
WOOLEN AND WORSTED GOODS	57	63	100.0	100.0	7,998	8,553	100.0	100.0	17,531,470	18,001,890	100.0	100.0	6,708,354	6,881,404	100.0	100.0
Less than $5,000	.....	10	.....	15.9	.....	12	.....	0.1	.....	15,947	.....	0.1	.....	9,399	.....	0.1
$5,000 to $20,000	5	4	8.8	6.3	32	33	0.4	0.4	40,046	36,919	0.2	0.2	16,781	26,136	0.2	0.4
$20,000 to $100,000	6	5	10.5	7.9	319	219	4.0	2.6	398,656	358,768	2.3	2.0	99,479	136,199	1.5	2.0
$100,000 and over	[2] 46	[2] 44	80.7	69.8	7,647	8,289	95.6	96.9	17,092,768	17,590,256	97.5	97.7	6,592,094	6,709,670	98.3	97.5

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

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

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.
AUBURN	84	4,811	100.0	$13,839,604	100.0	$5,153,786	100.0
Less than $5,000	25	26	0.5	76,873	0.6	42,632	0.8
$5,000 to $20,000	26	107	2.2	218,927	1.6	118,037	2.3
$20,00 to $100,000	17	247	5.1	765,500	5.5	290,904	5.6
$100,000 to $1,000,000	12	1,156	24.0	4,279,699	30.9	1,345,645	26.1
$1,000,000 and over	4	3,275	68.1	8,498,605	61.4	3,356,568	65.1
AUGUSTA	39	2,231	100.0	4,917,954	100.0	1,937,643	100.0
Less than $5,000	7	9	0.4	15,441	0.3	10,111	0.5
$5,000 to $20,000	18	87	3.9	207,221	4.2	113,243	5.8
$20,000 to $100,000	6	110	4.9	342,488	7.0	146,802	7.6
$100,000 and over	8	2,025	90.8	4,352,804	88.5	1,667,487	86.1
BANGOR	122	1,200	100.0	3,557,390	100.0	1,605,717	100.0
Less than $5,000	36	44	3.7	99,889	2.8	68,075	4.2
$5,000 to $20,000	46	207	17.2	464,702	13.1	258,935	16.1
$20,000 to $100,000	30	478	39.8	1,388,502	39.0	529,257	33.0
$100,000 and over	10	471	39.3	1,604,297	45.1	749,450	46.7
BIDDEFORD	65	5,054	100.0	9,536,381	100.0	3,925,102	100.0
Less than $5,000	31	30	0.6	67,666	0.7	41,929	1.1
$5,000 to $20,000	20	95	1 9	174,439	1.8	89,471	2.3
$20,000 to $100,000	8	89	1.8	211,862	2.2	110,194	2.8
$100,000 and over	6	4,840	95.8	9,082,414	95.2	3,683,508	93.8
LEWISTON	98	6,222	100.0	$10,619,045	100.0	$4,598,995	100.0
Less than $5,000	39	48	0.8	106,788	1.0	62,225	1.4
$5,000 to $20,000	32	176	2.8	332,568	3.1	176,789	3.8
$20,000 to $100,000	13	263	4.2	638,432	6.0	346,957	7.5
$100,000 to $1,000,000	11	2,202	35.4	4,383,897	41.3	1,759,487	38.3
$1,000,000 and over	3	3,533	56.8	5,157,360	48.6	2,253,537	49.0
PORTLAND	296	5,197	100.0	14,704,879	100.0	6,677,058	100.0
Less than $5,000	79	100	1.9	203,443	1.4	134,686	2.0
$5,000 to $20,000	114	570	11.0	1,137,500	7.7	678,849	10.2
$20,000 to $100,000	69	1,240	23.9	3,283,205	22.3	1,507,552	22.6
$100,000 and over	34	3,287	63.2	10,080,731	68.6	4,355,971	65.2
SANFORD	44	3,430	100.0	8,299,801	100.0	3,247,698	100.0
Less than $5,000	14	14	0.4	38,569	0.5	18,710	0.6
$5,000 to $20,000	21	75	2.2	195,175	2.4	116,409	3.6
$20,000 to $100,000	6	122	3.6	230,361	2.8	94,461	2.9
$1,000,000 and over	3	3,219	93.8	7,835,696	94.4	3,018,118	92.9
WATERVILLE	45	2,062	100.0	4,011,771	100.0	1,850,316	100.0
Less than $5,000	19	21	1.0	47,744	1.2	30,384	1.6
$5,000 to $20,000	12	72	3.5	151,409	3.8	88,727	4.8
$20,000 to $100,000	8	155	7.5	427,815	10.7	226,088	12.2
$100,000 and over	6	1,814	88.0	3,384,803	84.4	1,505,117	81.3

In the cities a condition prevails similar to that found throughout the state, namely, a preponderance as to number of wage earners, value of products, and value added by manufacture for manufactures having products valued at $100,000 and over. The highest three percentages of total value of products reported by establishments in this class, 95.2, 94.4, and 92.3, are shown for Biddeford, Sanford, and Auburn, respectively; and the lowest, 45.1, is shown for Bangor.

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

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

Table 18

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
			No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.		51 to 100 wage earners.		101 to 250 wage earners.		251 to 500 wage earners.		501 to 1,000 wage earners.		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	3,378	82,149	318	1,902	4,147	613	6,640	246	8,056	142	10,178	109	17,048	18	5,959	22	16,582	8	13,539
Boots and shoes, including cut stock and findings	59	8,986	3	9	18	12	122	8	290	8	619	10	1,758	3	965	5	4,212	1	1,002
Bread and other bakery products	202	729	22	155	334	22	190	1	47	2	158	.....	.....	.....	.....	.....	.....	.....	.....
Canning and preserving	194	3,913	6	73	198	66	725	30	1,088	12	839	7	1,063	.....	.....	.....	.....	.....	.....
Carriages and wagons and materials	129	343	14	106	193	8	78	.....	.....	1	72	.....	.....	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies	13	1,344	.....	.....	.....	8	112	.....	.....	1	52	1	131	3	1,049	.....	.....	.....	.....
Clothing, men's, including shirts	27	1,047	2	6	13	6	66	8	328	3	207	1	133	1	300	.....	.....	.....	.....
Cooperage and wooden goods, not elsewhere specified	74	476	12	48	72	6	52	5	159	3	193	.....	.....	.....	.....	.....	.....	.....	.....
Copper, tin, and sheet-iron products	26	288	2	17	43	4	52	1	41	2	152	.....	.....	.....	.....	.....	.....	.....	.....
Cotton goods	15	13,834	.....	.....	.....	.....	.....	.....	.....	2	111	2	376	1	278	6	4,411	4	8,658
Flour-mill and gristmill products	148	217	21	122	182	5	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Foundry and machine-shop products	189	2,874	16	119	262	34	328	12	387	3	213	4	735	.....	.....	1	949	.....	.....
Leather, tanned, curried, and finished	10	358	.....	2	4	.....	.....	7	218	.....	.....	1	136	.....	.....	.....	.....	.....	.....
Lime	5	369	.....	.....	.....	2	21	2	76	.....	.....	.....	.....	1	272	.....	.....	.....	.....
Lumber and timber products	952	15,452	26	518	1,246	252	2,839	84	2,582	42	2,969	24	3,480	5	1,660	1	676	.....	.....
Marble and stone work	137	1,833	18	86	177	14	163	8	255	4	316	7	922	.....	.....	.....	.....	.....	.....
Paper and wood pulp	38	10,033	.....	1	5	3	40	5	178	8	599	13	2,446	.....	.....	6	4,230	2	2,535
Printing and publishing	204	1,772	37	107	282	42	416	13	430	3	195	1	196	1	253	.....	.....	.....	.....
Wood, turned and carved	59	1,659	2	22	55	11	137	13	422	7	482	4	563	.....	.....	.....	.....	.....	.....
Woolen and worsted goods	57	7,998	.....	3	10	2	22	6	237	21	1,705	22	3,307	1	435	1	938	1	1,344
All other industries	840	8,624	137	508	1,053	116	1,242	43	1,318	20	1,296	12	1,802	2	747	2	1,166	.....	.....
Total for cities	793	30,207	79	414	1,015	160	1,665	63	2,018	29	2,005	27	4,420	5	1,546	12	9,834	4	7,704
AUBURN	84	4,811	9	42	103	11	119	9	248	6	404	3	602	.....	.....	4	3,275	.....	.....
AUGUSTA	39	2,231	2	19	55	9	86	2	69	.....	.....	5	959	1	253	1	809	.....	.....
BANGOR	122	1,200	12	65	167	27	274	13	361	4	273	1	125	.....	.....	.....	.....	.....	.....
BIDDEFORD	65	5,054	13	39	98	4	30	5	168	.....	.....	2	265	.....	.....	1	950	1	3,543
LEWISTON	98	6,222	8	53	123	20	196	4	142	5	368	2	348	1	300	3	1,928	2	2,817
PORTLAND	296	5,197	26	146	373	72	755	25	869	14	900	11	1,685	2	615	.....	.....	.....	.....
SANFORD	44	3,430	6	25	48	7	80	3	84	.....	.....	.....	.....	.....	.....	2	1,874	1	1,344
WATERVILLE	45	2,002	3	25	48	10	125	2	77	.....	.....	3	436	1	378	1	998	.....	.....

Table 19

INDUSTRY AND CITY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.							
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
All industries	1914	5.0	8.1	9.8	12.4	20.8	7.3	20.2	16.5
	1909	5.5	10.0	10.6	12.2	19.6	12.0	9.1	21.1
Boots and shoes, including cut stock and findings.	1914	0.2	1.4	3.2	6.9	19.6	10.7	46.9	11.2
	1909	0.5	0.8	5.4	8.4	29.5	45.1	10.3	.....
Bread and other bakery products.	1914	45.8	26.1	6.4	21.7	.....	.....	.....	.....
	1909	54.3	23.5	9.2	13.0	.....	.....	.....	.....
Canning and preserving	1914	5.1	18.5	27.8	21.4	27.2	.....	.....	.....
	1909	8.1	26.2	23.7	9.4	9.4	8.3	14.9	.....
Carriages and wagons and materials.	1914	56.3	22.7	.....	21.0	.....	.....	.....	.....
	1909	40.3	31.8	14.2	13.8	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	.....	8.3	.....	3.9	9.7	78.1	.....	.....
	1909	0.7	6.1	17.4	.....	23.5	52.3	.....	.....
Clothing, men's, including shirts.	1914	1.2	6.3	31.3	19.8	12.7	28.7	.....	.....
	1909	1.7	7.5	20.8	22.1	14.7	33.2	.....	.....
Cooperage and wooden goods, not elsewhere specified.	1914	15.1	10.9	33.4	40.5	.....	.....	.....	.....
	1909	20.6	22.1	27.8	29.5	.....	.....	.....	.....
Copper, tin, and sheet-iron products.	1914	14.9	18.1	14.2	52.8	.....	.....	.....	.....
	1909	2.1	21.7	18.7	.....	57.5	.....	.....	.....
Cotton goods	1914	.....	.....	.....	0.8	2.7	2.0	31.9	62.6
	1909	.....	.....	0.6	0.4	2.7	5.4	15.8	75.2
Flour-mill and gristmill products.	1914	83.9	16.1	.....	.....	.....	.....	.....	.....
	1909	87.1	12.9	.....	.....	.....	.....	.....	.....
Foundry and machine-shop products.	1914	9.1	11.4	13.5	7.4	25.6	.....	33.0	.....
	1909	5.3	9.4	16.5	3.3	21.4	.....	.....	44.2
Leather, tanned, curried, and finished.	1914	1.1	.....	60.9	.....	38.0	.....	.....	.....
	1909	4.1	7.3	18.8	69.7	.....	.....	.....	.....
Lime	1914	.....	5.7	20.6	.....	.....	73.7	.....	.....
	1909	2.7	9.9	7.6	11.6	68.3	.....	.....	.....
Lumber and timber products	1914	8.1	18.4	16.7	19.2	22.5	10.7	4.4	.....
	1909	9.5	23.4	18.0	19.7	21.6	4.4	3.4	.....
Marble and stone work	1914	9.7	8.9	13.9	17.2	50.3	.....	.....	.....
	1909	9.6	9.0	18.9	6.7	55.8	.....	.....	.....
Paper and wood pulp	1914	(1)	0.4	1.8	6.0	24.4	.....	42.2	25.3
	1909	(1)	0.6	4.4	6.7	20.7	23.8	31.4	12.3
Printing and publishing	1914	15.9	23.5	24.3	11.0	11.1	14.3	.....	.....
	1909	15.1	28.1	35.9	13.8	7.1	.....	.....	.....
Wood, turned and carved	1914	3.3	8.3	25.4	29.1	33.9	.....	.....	.....
	1909	2.7	18.4	33.6	45.3	.....	.....	.....	.....
Woolen and worsted goods	1914	0.1	0.3	3.0	21.3	41.3	5.4	11.7	16.8
	1909	0.3	0.4	0.8	19.7	38.4	11.3	.....	29.2
All other industries	1914	12.2	14.4	15.3	15.0	20.9	8.7	13.5	.....
	1909	12.1	15.1	12.4	17.9	16.5	8.8	5.7	11.5
Total for cities	1914	3.4	5.5	6.7	6.6	14.6	5.1	32.6	25.5
AUBURN	1914	2.1	2.5	5.2	9.6	12.5	.....	68.1	.....
AUGUSTA	1914	2.5	3.9	3.1	.....	43.0	11.3	36.3	.....
BANGOR	1914	13.9	22.8	30.1	22.7	10.4	.....	.....	.....
BIDDEFORD	1914	1.9	0.6	3.3	.....	5.2	.....	18.8	70.1
LEWISTON	1914	2.0	3.2	2.3	5.9	5.6	4.8	31.0	45.3
PORTLAND	1914	7.2	14.5	16.7	17.3	32.4	11.8	.....	.....
SANFORD	1914	1.4	2.3	2.4	.....	.....	.....	54.6	39.2
WATERVILLE	1914	2.3	6.1	3.7	.....	21.1	18.3	48.4	.....

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

Of the total number of establishments for all industries in the state combined, 318, or 9.4 per cent, employed no wage earners in 1914. These are small establishments in which the work is done by proprietors or firm members. In some cases they employ a few wage earners, 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 number of establishments in the several remaining groups are as follows: Employing from 1 to 5 wage earners, 1,902, or 56.3 per cent; from 6 to 50, 859, or 25.4 per cent; from 51 to 250, 251, or 7.4 per cent; and more than 250, 48, or 1.4 per cent. The percentages for the average number of wage earners employed, however, differ greatly from those just given. The group of establishments employing from 1 to 5 wage earners, which represented 56.3 per cent of the total number of establishments, reported only 4,147 wage earners, or but 5 per cent of the total. In contrast, the group of establishments having more than 250 employees each, while comprising but 1.4 per cent of the total number of establishments, employed 36,080, or 44 per cent of the wage earners. The groups of establishments having more than 50 wage earners each, represented only 8.9 per cent of the total number of establishments in the state but gave employment to 63,306 wage earners, or 77.1 per cent of the total.

As an indication of the nature of the industries embracing the smaller establishments, it will be noticed that in bread and bakery products, carriages and wagons, cooperage, copper, tin, and sheet-iron products, flour mills and gristmills, foundry and machine-shop products, lumber and timber products, marble and stone work, and printing and publishing, the majority of the establishments employ from 1 to 5 wage earners. Among the cities the highest percentages of the total number of wage earners reported by establishments employing more than 100 wage earners each are shown for Biddeford, 94.2, Sanford, 93.8, and Augusta, 90.6.

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 primary 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	7,447	5,634	3,748	487,211	459,599	343,627	100.0	100.0	100.0
Owned	3,767	4,070	3,748	439,688	431,099	333,445	90.2	93.8	97.0
Steam engines and turbines [1]	1,898	1,886	1,720	176,792	168,774	127,288	36.3	36.7	37.0
Internal-combustion engines	440	370	246	4,582	3,933	3,063	0.9	0.9	0.9
Water wheels, turbines, and motors	1,429	1,814	1,782	258,314	258,392	203,094	53.0	56.2	59.1
Rented	3,680	1,564	(2)	47,523	28,500	10,182	9.8	6.2	3.0
Electric	3,680	1,564	(2)	46,344	27,203	8,061	9.5	5.9	2.3
Other	(2)	(2)	(2)	1,179	1,297	2,121	0.2	0.2	0.6
Electric	5,599	2,395	.....	107,700	54,266	26,587	100.0	100.0	100.0
Rented	3,680	1,564	(2)	46,344	27,203	8,061	43.0	50.1	30.3
Generated by establishments reporting	1,919	831	264	61,356	27,063	18,526	57.0	49.9	69.7

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

[2] Not reported.

This table shows an increase in primary power amounting to 27,612 horsepower, or 6 per cent, from 1909 to 1914, more than half of which was due to the increase in rented power. The use of rented power, now almost wholly electric, has greatly increased since 1904, when it represented only 3 per cent of the total primary power reported. In 1909 the amount of rented power had increased to 6.2 per cent of the total, and in 1914, to 9.8 per cent of the total. However, the rate of increase of rented power was 179.9 per cent from 1904 to 1909, and 66.7 from 1909 to 1914. Although rented power increased rapidly, owned power also showed an increase, 31.9 per cent, during the decade 1904–1914 and but 2 per cent during the last five-year period. This is due in part to the fact that latterly some of the large factories have installed electricity as emergency power, while others are using electric power and hold their steam engines in readiness for emergencies.

The use of internal-combustion engines (chiefly gasoline) increased rapidly during the decade 1904–1914 (almost 50 per cent), the increase for the last five years being 16.5 per cent. The horsepower of such engines, however, represented only nine-tenths of 1 per cent of the total primary power in 1914. During the last five-year period there was a very slight decrease (78) in the horsepower of water wheels, turbines, and motors, which in 1914 formed 53 per cent of the total primary power.

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

Table 21 gives, for 1914, the quantity of each kind of fuel used, for which data were obtained, for all industries combined and for certain selected industries in the state as a whole, and for all industries combined 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	79,024	1,014,213	9,034	31,376	9,497
Boots and shoes, including cut stock and findings	982	11,536	.....	214	348
Bread and other bakery products	2,750	872	724	705	1,056
Brick, tile, and other clay products	4	19,545	.....	124	.....
Canning and preserving	1,080	19,611	165	817	354
Carriages and wagons and materials	163	1,130	10	191	.....
Cars and general shop construction and repairs by steam-railroad companies	115	15,498	139	124	.....
Confectionery	275	684	36	1	1,121
Copper, tin, and sheet-iron products	198	3,223	183	6	132
Cotton goods	1,706	69,957	.....	175	19
Flour-mill and gristmill products	58	1,047	.....	946	300
Foundry and machine-shop products	6,890	9,030	4,247	1,273	940
Furniture	585	799	.....	.....	40
Gas, illuminating and heating	2,397	32,875	.....	18,786	.....
Glucose and starch	192	1,321	.....	30	.....
Leather goods	92	1,181	15	.....	420
Leather, tanned, curried, and finished	950	1,466	.....	.....	.....
Lime	.....	30,901	.....	.....	.....
Lumber and timber products	533	2,496	.....	1,386	726
Marble and stone work	1,136	10,626	2,385	295	.....
Paper and wood pulp	51,574	631,522	.....	334	.....
Printing and publishing	1,488	1,421	13	191	2,379
Stoves and ranges	500	1,316	446	12	102
Woolen and worsted goods	2,239	89,279	.....	54	.....
All other industries	3,117	56,877	671	5,802	1,560
Total for cities	15,751	191,621	4,209	20,406	8,340
AUBURN	1,650	5,541	160	210	616
AUGUSTA	1,602	7,884	.....	2,275	194
BANGOR	741	10,472	386	11	1,424
BIDDEFORD	2,923	30,715	1,502	847	666
LEWISTON	2,097	28,483	52	6,601	55
PORTLAND	5,321	61,940	1,750	10,197	4,830
SANFORD	127	34,633	5	2	.....
WATERVILLE	1,290	11,953	354	263	555

SPECIAL STATISTICS.

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantities and cost of materials, the quantity and value of products, and other information which are herewith presented.

Paper and wood pulp.—The table following shows or this industry, for 1914, 1909, and 1904, the quantity and cost of materials used, the quantity and value of the different products, and the character and capacity of equipment.

Table 22

	1914	1909	1904
MATERIALS.			
Total cost	$25,457,967	$20,504,213	$13,868,147
Pulp wood:			
Cords	941,204	[1] 903,062	673,557
Cost	$8,442,359	$7,984,338	$4,838,375
Spruce, domestic—			
Cords	598,296	552,032	534,381
Cost	$5,348,873	(2)	$3,853,380
Spruce, imported—			
Cords	128,374	166,500	27,754
Cost	$1,408,693	(2)	$241,491
Poplar—			
Cords	150,461	123,052	110,576
Cost	$1,240,657	(2)	$739,451
All other woods, including slabs and other mill waste—			
Cords	64,073	62,378	846
Cost	$444,136	(2)	$4,053
Wood pulp, purchased:			
Tons	173,238	167,126	107,268
Cost	$4,704,299	$4,637,964	$2,735,002
Ground—			
Tons	110,466	98,553	60,132
Cost	$2,061,975	$1,831,737	$937,741
Sulphite fiber—			
Tons	48,423	52,805	34,020
Cost	$2,108,150	$2,118,781	$1,252,781
All other fiber—			
Tons	14,349	15,768	13,116
Cost	$534,174	$687,446	$544,480
Rags, including cotton and flax waste and sweepings:			
Tons	2,768	4,400	5,766
Cost	$150,353	$167,316	$166,378
Old or waste paper:			
Tons	13,779	7,264	5,666
Cost	$180,393	$119,305	$92,745
All other materials, cost	$11,980,563	$7,595,290	$6,035,647
PRODUCTS.			
Total value	$40,179,744	$33,950,230	$22,951,124
News paper, in rolls or sheets:			
Tons	336,020	313,125	215,307
Value	$13,262,166	$11,424,388	$7,721,864
Wrapping paper:			
Tons	176,673	143,696	89,818
Value	$9,598,230	$8,079,299	$4,075,497
Boards:			
Tons	27,018	22,099	13,477
Value	$1,252,952	$831,340	$523,568
PRODUCTS—continued.			
All other paper (book paper, fine paper, tissue paper, etc.):			
Tons	118,821	104,516	74,322
Value	$9,422,304	[3] $8,244,699	[4] $5,741,386
Wood pulp made for sale or for consumption in mills other than where produced:			
Ground—			
Tons	118,813	107,116	64,480
Value	$2,057,000	$1,822,734	$922,206
Soda fiber—			
Tons	49,081	41,106	45,276
Value	$2,016,331	$1,748,294	$1,773,809
Sulphite fiber—			
Bleached—			
Tons	15,679	46,073	58,261
Value	$1,132,479	$1,799,476	$2,192,704
Unbleached—			
Tons	34,753		
Value	$1,395,491		
Screenings, chemical—			
Tons	2,121	(2)	(2)
Value	$42,791	(2)	(2)
Wood pulp produced (including that used in mills where manufactured), total tons	698,870	620,705	456,921
Ground, tons	357,393	324,264	230,340
Soda fiber, tons	92,747	78,940	53,257
Sulphite fiber—			
Bleached, tons	42,815	217,501	173,324
Unbleached, tons	193,570		
Screenings, mechanical and chemical, tons	12,345	(2)	(2)
EQUIPMENT.			
Paper machines:			
Total number	108	104	91
Yearly capacity, tons	684,830	634,059	425,848
Fourdrinier—			
Number	88	84	73
Daily capacity, tons	2,082	1,893	1,349
Cylinder—			
Number	20	20	18
Daily capacity, tons	197	174	126
Pulp equipment:			
Grinders, number	301	330	268
Digesters, total number	105	98	93
Sulphite, number	65	60	55
Soda, number	40	38	38
Yearly capacity, tons	812,215	807,798	571,397
Ground	440,718	491,095	305,982
Sulphite	269,497	217,438	174,387
Soda	102,000	99,265	91,028

[1] The figures for cords of pulp wood used in 1909 represent wood used by all mills manufacturing wood pulp, which includes a few where it was not the primary product.

[2] Not reported separately.

[3] Includes products other than paper or pulp to amount of $3,921.

[4] Includes products other than paper or pulp to amount of $92,551.

The statistics for the paper and wood pulp industry include establishments making both paper and pulp, those making paper only, and those making pulp only. In determining the cost of materials for the entire industry the cost of materials as reported by the three classes are combined. Similarly, the value of products for the industry as a whole is obtained by combining the totals for the three classes of establishments. There is, therefore, considerable duplication, as undoubtedly a large part of the wood pulp purchased is duplicated in the cost of pulp wood, while wood pulp produced for sale is again included to a considerable extent as a finished product in the value of paper manufactured.

Pulp wood, as at previous censuses, was the principal material used in 1914, constituting practically one-third of the total cost of all materials. The pulp mills of the state used 941,204 cords of pulp wood in 1914, of which domestic spruce formed 63.6 per cent; imported spruce, 13.6 per cent; poplar, 16 per cent; and all other woods, including slabs and other mill waste, 6.8 per cent. The latter item includes balsam fir, 23,484 cords; hemlock, pine, and white fir, 2,454 cords; and slabs and other mill waste, 38,135 cords. The item, "all other materials," which amounted in value to $11,980,563 in 1914, includes the cost of fuel, manila stock, chemicals, sizing, clay, freight, etc.

The production of paper and pulp in Maine shows a steady increase for each census since 1904. News paper and wrapping paper were the principal products at the last census, representing 33 per cent and 23.9 per cent, respectively, of the total value of all products. Wood pulp was made for sale or for consumption in mills other than where produced to the amount of 220,447 tons, valued at $6,644,092, being 31.5 per cent of the total tonnage of wood pulp produced in the state in 1914, including that used in mills where manufactured. Each class of paper and wood pulp produced in 1914 shows a decided increase, as compared with 1909. Of the total wood pulp produced in 1914, including that used in establishments where manufactured, ground wood pulp represented 51.1 per cent; sulphite fiber, 33.8 per cent; soda fiber, 13.3 per cent; and screenings, 1.8 per cent.

Textiles.—The progress of the textile industries is best indicated by the number of spindles and looms, which were reported as the mill equipment. The table following shows this machinery for the four principal textile industries in 1914, 1909, and 1904.

The number of producing spindles shows an increase between 1909 and 1914 of 107,436, or 8.7 per cent; and that of looms, an increase of 3,130, or 10.3 per cent. In 1914 the cotton mills reported 81.5 per cent of the producing spindles in the four branches of the textile industry, and made the largest gain in number, between 1909 and 1914, 77,454, or 7.6 per cent. In the woolen and worsted mills the increase in the number of spindles was 29,132, or 13.6 per cent. The number of looms used in the cotton mills increased 10.1 per cent, the number in the woolen mills, 12.6 per cent; while the number in silk mills shows a decrease of 20.3 per cent.

Table 23 KIND.	Census year.	Total.	Cotton manufactures.	Silk and silk goods.	Woolen and worsted goods.[1]	Hosiery and knit goods.
Producing spindles	1914	1,347,928	1,098,142	4,970	243,716	1,100
	1909	1,240,492	1,020,688	4,740	214,584	480
	1904	1,085,898	891,246	4,968	189,684	.....
	1899	1,007,748	841,521	(2)	166,227	.....
Looms	1914	33,631	28,972	126	4,533	.....
	1909	30,501	26,319	158	4,024	.....
	1904	28,028	24,189	150	3,689	.....
	1899	26,288	23,366	120	2,802	.....

[1] Includes a few spindles and looms on felt goods at censuses prior to 1914.
[2] Figures not available.

Cotton goods.—The quantity and cost of the principal materials used in the manufacture of cotton goods and the quantity and value of the principal products, for 1914, 1909, and 1904, are given in the accompanying table:

Table 24	1914	1909
MATERIALS.		
Total cost	$13,032,969	$11,390,479
Cotton:		
Pounds	85,854,827	78,678,643
Cost	$10,628,358	$9,440,063
Cotton yarn, purchased:		
Pounds	1,225,331	1,266,512
Cost	$326,262	$305,638
Cotton waste, purchased:		
Pounds	5,004,762	4,218,459
Cost	$455,747	$304,700
Starch, cost	$154,866	$93,783
Chemicals and dyestuffs, cost	$169,263	$178,938
Fuel and rent of power, cost	$431,415	$341,762
All other materials, cost	$867,058	$725,595
PRODUCTS.		
Total value	$22,121,711	$21,932,225
Unbleached and bleached sheetings and muslins:		
Square yards	105,715,187	136,448,937
Value	$6,623,688	$9,122,839
Fancy weaves:		
Square yards	78,378,205	56,592,796
Value	$7,580,027	$6,031,735
Twills and sateens—		
Square yards	29,006,658	27,617,061
Value	$2,357,347	$2,452,673
Dobby fancies—		
Square yards	6,670,409	
Value	$655,003	
Jacquards—		
Square yards	8,750,588	28,975,735
Value	$1,672,469	$3,579,062
Other fancy weaves—		
Square yards	33,950,550	
Value	$2,895,208	
Bags and bagging:		
Square yards	5,597,367	9,512,876
Value	$807,266	$764,110
Other woven goods:		
Square yards	49,281,343	47,633,796
Value	$4,907,351	$4,765,735
Yarns, for sale:		
Square yards	5,583,096	3,259,274
Value	$1,772,193	$957,011
Cotton waste, for sale:		
Square yards	9,529,852	7,748,539
Value	$379,392	$251,179
All other products, value	$51,794	$39,616

The manufacture of cotton goods in Maine, in 1914, was one of the chief industries of the state, representing more than one-tenth of the total value of products of the entire state for 1914. Ten of the 15 mills engaged in the industry were located in cities of over 10,000 population.

The total value of products of the cotton-goods industry amounted to $22,121,711 in 1914, and $21,932,225 in 1909, an increase of $189,486, or nine-tenths of 1 per cent, as compared with an increase of $6,526,402, or 42.4 per cent, during 1904–1909. While the value of products showed only a slight increase for 1909–1914, the cost of materials used for the same period increased $1,642,490, or 14.4 per cent, as compared with an increase of 24.2 per cent for the period 1904–1909. The cost of raw cotton formed 81.5 per cent of the total cost of all materials used in 1914, as compared with 82.9 per cent in 1909 and 85.1 per cent in 1904.

Unbleached and bleached sheetings and muslins showed the greatest value of any one class of products in 1914, as also in 1909 and in 1904. The output in square yards of these fabrics decreased 22.5 per cent, and the value 27.4 per cent during the period 1909–1914.

Twills and sateens showed an increase of 5 per cent in quantity, but a decrease of 3.9 per cent in value of output. The classes of dobby fancies, Jacquards, and other fancy weaves, combined for the purpose of comparison with the same classes in 1909, showed an increase in quantity for 1914 of 70.4 per cent, and in value of 45.9 per cent. Yarns made for sale showed a a large increase, 85.2 per cent, for the period 1909–1914 in the value of output in this class.

Woolen and worsted goods.—The quantity and cost of the different materials used in this industry and the quantity and value of the principal products are given in the accompanying table.

Table 25	1914	1909	1904
MATERIALS.			
Total cost	$10,823,116	$11,120,486	$10,811,235
Wool:			
Foreign (in condition purchased)—			
Pounds	2,210,081	3,539,557	2,724,534
Cost	$631,002	$1,278,255	$843,083
Domestic (in condition purchased)—			
Pounds	6,752,924	9,575,975	12,390,314
Cost	$2,518,091	$3,585,232	$4,160,873
Equivalent in scoured condition, pounds	7,251,676	10,221,289	11,016,422
Cotton:			
Pounds	2,933,786	1,972,781	3,132,243
Cost	$397,756	$251,423	$431,592
Animal hair:			
Pounds	3,800,538	2,657,327	2,127,980
Cost	$994,714	$562,814	$477,768
Rags, clippings, etc.:			
Pounds	2,418,825	1,019,778	(1)
Cost	$338,470	$73,465	(1)
Recovered wool fiber (wool shoddy):			
Pounds	4,430,934	4,094,292	4,114,911
Cost	$671,242	$484,770	$602,176
Waste and noils of wool, mohair, camel hair, etc:			
Pounds	4,564,425	2,380,110	1,850,639
Cost	$893,273	$716,536	$427,032
Yarns, purchased:			
Woolen and worsted—			
Pounds	176,581	947,343	1,650,420
Cost	$126,919	$768,778	$1,127,867
Cotton—			
Pounds	3,443,361	2,449,258	2,005,774
Cost	$1,113,711	$813,080	$604,875
All other—			
Pounds	11,831	28,062	14,673
Cost	$25,705	$28,658	$18,671
Chemicals and dyestuffs, cost	$515,751	$599,175	$549,171
Fuel and rent of power, cost	$493,023	$393,952	$392,148
All other materials, cost	$2,103,459	$1,564,348	$1,175,979

	1914	1909	1904
PRODUCTS.			
Total value	$17,531,470	$18,001,890	$17,579,590
All-wool woven goods:			
Woolen suitings, overcoatings, and dress goods—			
Square yards	13,806,070	12,401,175	10,208,432
Value	$7,390,057	$6,991,470	$6,477,729
Worsted suitings, overcoatings, and dress goods—			
Square yards	241,394	2,285,713	2,160,598
Value	$191,698	$1,389,538	$1,646,033
All other—			
Square yards	601,418	403,041	630,122
Value	$456,001	$226,702	$339,215
Union or cotton-mixed woven goods:			
Unions, tweeds, etc.—			
Square yards	547,919	2,682,295	3,816,292
Value	$142,939	$1,288,515	$2,287,614
All other—			
Square yards	791,897	1,314,290	2,408,073
Value	$321,065	$630,603	$908,344
Cotton-warp goods, woven:			
Wool-filling suitings, overcoatings, and dress goods—			
Square yards	4,861,954	2,244,167	4,774,737
Value	$1,497,661	$709,016	$1,974,231
All other—			
Square yards	18,113,218	12,341,126	7,389,663
Value	$5,149,907	$4,119,989	$2,534,418
Yarns, for sale:			
Woolen yarn—			
Pounds	28,499	16,779	95,531
Value	$18,527	$12,181	$64,146
Worsted yarn and tops—			
Pounds	1,981,791	1,452,845	439,423
Value	$897,304	$1,201,838	$331,128
All other yarns—			
Pounds	6,244	106,736	177,369
Value	$4,564	$42,887	$140,766
Waste and noils:			
Pounds	2,645,935	1,404,756	698,673
Value	$241,499	$258,912	$155,117
Amount received for contract work	$87,265	$78,722	$129,753
All other products, value	$1,132,983	$1,051,517	$591,096

[1] Included in "all other materials."

The quantity of scoured wool and of purchased woolen and worsted yarns used, decreased considerably during the decade. On the other hand the consumption of the cheaper wool materials—wool waste and noils, recovered wool fiber, and rags, clippings, etc.—and of fibers, other than wool, such as raw cotton, cotton yarn, and animal hair, increased. The manufactures of wool reflect the tendency toward the use of cheaper materials noted above.

The cost of wool, both foreign and domestic, formed 29.1 per cent of the total cost of materials in 1914; that of cotton, 3.7 per cent; that of shoddy, 6.2 per cent; that of waste and noils, 8.3 per cent; that of yarns purchased, 11.7 per cent; and that of chemicals and dyestuffs, 4.8 per cent.

Of the total quantity of wool reported as used for material in 1914, 75.3 per cent was domestic and 24.7 per cent foreign, the cost of the former representing 80 per cent of the total cost of wool used and that of the latter 20 per cent.

Of the total value of products for the industry in 1914, all-wool woven goods contributed 45.8 per cent; union or cotton-mixed woven goods, 2.6 per cent; goods woven on cotton warp, 37.9 per cent; yarns for sale, 5.2 per cent; and other products, together with contract work, 8.3 per cent.

The quantity of all-wool woven goods shows a decrease of 441,047 square yards, or 2.9 per cent, in 1914, as compared with 1909. The relative importance of the union or cotton-mixed woven goods has decreased markedly since 1909, such fabrics showing a loss in output of 2,656,769 square yards, or 66.5 per cent, during the five-year period. In 1914 the union or cotton-mixed woven goods represented 2.6 per cent of the total value of products for the industry, as compared with 10.7 per cent in 1909. The cotton-warp goods showed a total increase of 8,389,879 square yards, or 57.5 per cent, more than for 1909, with a corresponding increase in value of $1,818,563, or 37.7 per cent, for the same period.

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

Table 26 PRODUCT.	NUMBER OF PAIRS.		
	1914	1909	1904
Total	15,709,277	9,275,102	9,261,587
Boots and shoes	12,704,966	9,066,454	9,152,833
Men's	4,476,245	4,786,134	5,709,462
Boys' and youths'	572,980	665,270	1,048,268
Women's	4,256,166	2,886,923	2,244,921
Misses' and children's	3,399,575	728,127	150,182
Slippers, infants' shoes and slippers, and all other footwear	3,004,311	208,648	108,754

The total output reported for 1914, as compared with 1909, shows an increase of 6,434,175 pairs, or 69.4 per cent, while the increase for the previous five-year period was less than 1 per cent.

This large increase in production in 1909–1914 was mainly in women's, misses', and children's shoes, slippers of all kinds, and cotton fiber (canvas) shoes. Men's, boys' and youths' shoes show a small decrease from the product reported at previous censuses.

The accompanying table shows the various kinds of footwear, classified according to character of manufacture, for 1914 and 1909:

Table 27 KIND.	Census year.	NUMBER OF PAIRS.		
		Welted.	McKay.	Other methods.
Boots and shoes:				
Men's	1914	3,745,200	502,972	228,073
	1909	3,496,629	1,006,002	283,503
Boys' and youths'	1914	194,176	334,560	44,244
	1909	447,467	188,243	29,560
Women's	1914	991,506	2,363,888	900,772
	1909	577,444	1,816,038	493,441
Misses' and children's	1914	757,265	2,478,930	163,380
	1909	187,043	541,084	.....
Slippers, infants' shoes and slippers, and all other footwear.	1914	(1)	537,424	2,466,887
	1909	(1)	(1)	208,648

[1] Included under "other methods," to avoid disclosing operations of individual establishments.

In 1909 the majority of shoes and slippers manufactured were welted, but in 1914 more McKay than welted were reported; other makes reported at both censuses were turned, and wood or metal fastened. The greater part of the men's shoes were made by the welt process, but the boys' and youths', women's, misses', and children's were principally McKay.

Moccasins, to the value of $340,769, were reported by 14 establishments, 12 of which manufactured them exclusively.

Canning and preserving.—The accompanying table shows the quantity and value of the various products for this industry in 1914, 1909, and 1904.

Table 28	1914	1909	1904
Total value	[1] $10,742,738	$7,688,833	$7,267,281
Canned vegetables:			
Cases	1,318,308	920,257	854,210
Value	$2,413,142	$1,545,452	$1,714,414
Beans—			
Cases	152,639	92,602	54,805
Value	$236,585	$151,476	$92,231
Corn—			
Cases	1,101,333	792,185	763,295
Value	$2,038,716	$1,320,223	$1,525,089
All other—			
Cases	64,336	35,470	36,110
Value	$137,841	$73,753	$97,094
Canned fruits:			
Cases	169,889	143,452	53,970
Value	$320,435	$230,696	$121,173
Apples—			
Cases	55,124	75,540	3,088
Value	$76,403	$122,791	$6,794
All other—			
Cases	114,765	67,912	50,882
Value	$244,032	$107,905	$114,379
Fish and clams, value	$7,466,391	$5,738,685	$5,134,612
Canned—			
Cases	4,793,431	.....	.....
Value	$6,299,042	$4,812,739	$4,486,173
Sardines—			
Cases (48—No. ¼ cans)	4,634,424	.....	.....
Value	$5,780,857	$4,609,224	$4,291,324
Clams—			
Cases	73,764	.....	.....
Value	$210,889	$171,355	$164,496
All other—			
Cases	85,243	.....	.....
Value	$307,296	$32,160	$30,353
Smoked fish:			
Pounds	5,406,605	8,814,981	10,925,323
Value	$362,961	$326,674	$254,155
Finnan haddie—			
Pounds	1,055,243	975,682	650,100
Value	$102,474	$63,141	$38,930
Herring—			
Pounds	3,797,262	7,592,993	9,821,243
Value	$237,703	$255,498	$206,879
All other—			
Pounds	554,100	246,306	453,980
Value	$22,784	$8,035	$8,340
Salted fish:			
Pounds	21,258,115	17,027,167	12,561,238
Value	$804,388	$599,272	$394,284
Cod—			
Pounds	6,604,788	7,267,330	2,682,355
Value	$348,741	$333,621	$141,345
Haddock—			
Pounds	738,700	992,935	611,171
Value	$22,256	$30,324	$17,238
Herring—			
Pounds	173,500	216,400	1,853,899
Value	$3,105	$4,332	$41,557
All other—			
Pounds	13,741,127	8,550,502	7,413,813
Value	$430,286	$230,995	$194,144
All other products, value	$542,770	$174,000	$297,082

[1] In addition, 178,366 cases of canned vegetables, to the value of $228,718; 2,036 cases of canned fruits, to the value of $3,672; 20,000 pounds of dried apples, to the value of $1,300; 64,867 cases of fish and clams, to the value of $91,362; and pickles, preserves, and sauces, to the value of $174, were reported by establishments in other industries.

Of the 194 establishments included in this classification, 76 canned fruits and vegetables; 111 canned and cured fish and clams; and 7 were engaged in the manufacture of pickles, preserves, and sauces.

There was an increase of 54.4 per cent from 1909 to 1914 in the value of canned corn, which is the largest individual product in the canned vegetable branch of the industry, representing 84.5 per cent of the total

value of canned vegetables reported for 1914 for Maine and 14.6 per cent of the total value of canned corn for the United States.

The fruit-canning industry shows an increase in value between 1909 and 1914 amounting to 38.9 per cent. Apples contributed 23.8 per cent of the value of all fruit products, and all other fruits (blueberries), 76.2 per cent in 1914, as compared with 53.2 per cent for apples and 24.8 per cent for blueberries in 1909.

The principal branch of the canning industry in Maine is the canning and curing of fish and the canning of clams, the combined value of which formed 69.5 per cent of the value of all products for the general industry in the year 1914; 74.6 per cent in 1909; and 70.7 per cent in 1904.

Sardines are the principal product of this subdivision of the industry, contributing in 1914, 53.8 per cent of the aggregate value of all products and 91.8 per cent of the value of canned fish and clams.

In 1914 Maine produced more than 92.7 per cent of the total quantity of sardines canned in the United States.

Laundries.—Statistics for power laundries are not included in the general tables or in the totals for all manufacturing industries. Table 29, however, summarizes these statistics for Maine, for 1914 and 1909.

Table 29

	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	
Number of establishments	92	78	.....
Persons engaged	1,097	956	14.7
Proprietors and firm members	101	87	.....
Salaried employees	66	53	.....
Wage earners (average number)	930	816	14.0
Primary horsepower	1,741	1,085	60.5
Capital	$685,304	$536,361	27.8
Salaries and wages	434,619	335,240	29.6
Salaries	53,956	36,902	46.2
Wages	380,663	298,338	27.6
Paid for contract work	2,201	787	179.7
Rent and taxes	27,233	22,245	22.4
Cost of materials	182,477	115,661	57.8
Amount received for work done	939,021	736,367	27.5

[1] Per cent not shown where base is less than 100.

In 1914 Maine ranked thirty-fifth among the states in amount received for work done and thirty-third in number of persons engaged in the industry. The table shows increases in all the items given, those in receipts for work done and in average number of wage earners amounting to 27.5 and to 14 per cent, respectively. Establishments owned by individuals reported 61.3 per cent of the amount received for work done; those owned by corporations, 21.7 per cent; and those under other forms of ownership, 17 per cent.

Table 30 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 30

MONTH.	WAGE EARNERS.			
	Number.		Per cent of maximum.	
	1914	1909	1914	1909
January	844	697	74.4	68.6
February	840	701	74.0	69.0
March	843	699	74.3	68.8
April	848	764	74.7	75.2
May	881	775	77.6	76.3
June	966	851	85.1	83.8
July	1,081	984	95.2	96.8
August	1,135	1,016	100.0	100.0
September	1,031	911	90.8	89.7
October	926	826	81.6	81.3
November	874	778	77.0	76.6
December	877	789	77.3	77.7

Table 31 gives statistics as to kinds and amounts of power used in the laundries of the state in 1914 and 1909, together with percentages of increase for the five-year period.

Table 31

	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
			Amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	1914	1909	
Primary power, total	136	100	1,741	1,085	60.5
Owned	69	59	1,297	856	51.5
Steam	63	55	1,243	811	53.3
Internal combustion	3	2	18	10	.....
Water wheels and motors	3	2	36	35	.....
Rented	67	41	444	229	93.9
Electric	67	41	404	224	80.4
Other	.....	.....	40	5	.....
Electric	107	59	522	260	100.8
Rented	67	41	404	224	80.4
Generated by establishments reporting	40	18	118	36	.....

[1] Per cent not shown where base is less than 100.

Table 32 shows the kinds and quantities of fuel used in the laundries, as reported at the censuses of 1914 and 1909, with percentages of increase.

Table 32

KIND.	Unit.	QUANTITY.		Per cent of increase,[1] 1909–1914.
		1914	1909	
Anthracite coal	Ton (2,240 lbs.)	2,846	1,804	57.8
Bituminous coal	Ton (2,000 lbs.)	8,531	6,163	38.4
Coke	Ton (2,000 lbs.)	.....	17	.....
Oil, including gasoline	Barrels	48	74	.....
Gas	1,000 cubic feet	4,088	16,264	—74.9

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

GENERAL TABLES.

Table 33 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 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 34 presents, for 1914, for the state as a whole and in cities with 50,000 inhabitants or more, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and for each of the cities in the state having from 10,000 to 50,000 inhabitants, for all industries combined.

TABLE 33.—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	3,378	82,149	487,211	$43,254	$117,655	$200,450
	1909	3,546	79,955	459,599	37,632	97,101	176,029
	1904	3,145	74,958	343,627	32,692	80,042	144,020
Agricultural implements	1914	5	126	863	85	70	217
	1909	10	121	1,014	78	84	226
	1904	13	153	1,691	77	76	206
Boots and shoes, including cut stock and findings.	1914	59	8,986	5,153	5,046	15,034	23,330
	1909	55	6,626	3,810	3,210	9,941	15,509
	1904	58	5,950	3,010	2,673	8,435	12,608
Boxes and cartons, paper.	1914	12	288	161	120	168	358
	1909	10	280	131	92	125	304
	1904	9	222	130	70	106	236
Bread and other bakery products.	1914	202	729	445	424	1,557	2,626
	1909	186	586	253	303	1,428	2,235
	1904	151	469	146	220	877	1,489
Brick, tile, and other clay products.	1914	37	467	1,277	308	316	741
	1909	49	263	889	150	105	390
	1904	66	330	880	165	118	420
Butter	1914	17	90	450	55	1,239	1,426
	1909	29	96	523	48	1,098	1,301
	1904	46	78	455	47	1,045	1,230
Canning and preserving	1914	[1] 194	3,913	6,257	1,263	7,404	10,743
	1909	245	3,850	4,355	1,138	5,125	7,689
	1904	235	3,487	3,018	1,306	4,240	7,267
Carriages and wagons and materials.	1914	129	343	816	205	404	851
	1909	150	472	1,121	257	397	966
	1904	158	459	790	247	400	956
Cars and general shop construction and repairs by electric-railroad companies.	1914	11	176	97	105	99	224
	1909	13	161	258	99	85	201
Cars and general shop construction and repairs by steam-railroad companies.	1914	13	1,344	1,377	988	1,006	2,076
	1909	18	1,200	953	763	1,199	2,048
	1904	15	863	829	458	685	1,190
Clothing, men's, including shirts.	1914	27	1,047	290	438	1,201	2,173
	1909	33	1,068	229	333	597	1,164
	1904	34	1,090	1,321	304	407	929
Clothing, women's	1914	7	315	48	104	229	472
	1909	7	532	142	184	338	686
	1904	10	486	76	121	309	554
Confectionery	1914	40	215	206	78	472	715
	1909	28	214	127	76	336	711
	1904	17	200	62	59	303	497
Cooperage and wooden goods, not elsewhere specified.	1914	74	476	2,272	244	559	1,022
	1909	68	349	1,670	164	435	842
	1904	78	354	1,408	144	291	573
Copper, tin, and sheet-iron products.	1914	[2] 26	288	455	193	891	1,602
	1909	16	374	439	190	1,018	1,689
	1904	[3] 12	142	175	72	400	509
Cotton goods	1914	15	13,834	64,404	$5,775	$13,033	$22,122
	1909	16	14,634	53,823	5,718	11,390	21,932
	1904	15	12,382	37,236	4,037	9,173	15,406
Cutlery and tools, not elsewhere specified.	1914	21	77	483	54	116	224
	1909	16	64	789	38	62	158
	1904	18	102	829	50	72	204
Fertilizers	1914	8	155	973	68	1,195	1,583
	1909	5	95	323	36	431	597
	1904	3	26	228	12	39	66
Flour-mill and gristmill products.	1914	148	217	6,025	128	3,959	4,423
	1909	173	225	7,720	101	4,027	4,507
	1904	161	234	6,603	108	3,442	3,933
Foundry and machine-shop products.	1914	[4] 189	2,874	5,539	1,785	2,643	5,799
	1909	125	2,885	4,957	1,512	2,344	5,237
	1904	106	3,002	4,371	1,518	2,001	4,888
Furniture	1914	10	111	311	67	127	276
	1909	13	215	554	116	168	368
	1904	11	237	316	118	145	377
Gas, illuminating and heating.	1914	17	220	490	152	292	769
	1909	19	216	349	120	212	549
	1904	15	100	171	63	129	444
Glucose and starch	1914	51	114	1,550	56	485	629
	1909	64	120	1,838	68	475	687
	1904	65	107	1,946	47	364	524
Leather goods	1914	[5] 36	259	935	151	328	577
	1909	17	286	1,210	159	391	675
	1904	19	325	1,409	152	291	704
Leather, tanned, curried, and finished.	1914	10	358	1,995	182	2,061	2,419
	1909	17	436	1,467	208	1,452	1,905
	1904	27	515	1,787	237	1,974	2,500
Lime	1914	5	369	455	224	557	923
	1909	12	526	205	197	729	1,215
	1904	8	663	950	297	602	1,174
Lumber and timber products.	1914	[6] 952	15,452	81,967	7,817	13,144	27,593
	1909	1,065	15,086	95,363	7,103	10,930	26,125
	1904	862	13,577	76,267	6,155	8,912	21,337
Marble and stone work	1914	137	1,833	9,138	1,302	587	2,529
	1909	142	2,381	7,785	1,532	490	2,565
	1904	61	2,532	4,867	1,514	376	2,555
Mineral and soda waters	1914	53	102	245	53	183	328
	1909	45	80	256	44	94	247
	1904	30	98	300	52	177	346
Paper and wood pulp	1914	38	10,033	245,121	6,754	25,458	40,180
	1909	45	8,647	223,787	5,267	20,504	33,950
	1904	37	7,574	152,294	4,053	13,868	22,951
Patent medicines and compounds and druggists' preparations.	1914	30	113	67	42	202	468
	1909	37	144	94	49	197	756
	1904	27	147	36	46	158	585

[1] Includes "canning and preserving, fish"; "canning and preserving, fruits and vegetables"; "canning and preserving, oysters"; and "pickles, preserves, and sauces."
[2] Includes "stamped and enameled ware" and "tinware, not elsewhere specified."
[3] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[4] 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."
[5] Includes "saddlery and harness" and "trunks and valises."
[6] Includes "boxes, wooden packing"; "lumber, planing-mill products, not including planing mills connected with sawmills"; "pulp wood;" and "window and door screens."

TABLE 33.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.							
Printing and publishing	1914	[1] 204	1,772	1,760	$955	$1,210	$3,717
	1909	195	1,651	1,565	779	1,102	3,438
	1904	217	1,804	1,352	767	932	3,400
Slaughtering and meat packing	1914	[2] 26	126	212	79	1,135	1,370
	1909	20	107	213	58	785	957
	1904	[3] 12	160	359	85	524	723
Stoves and ranges	1914	4	214	208	145	111	361
	1909	4	190	208	113	98	329
	1904	4	207	205	118	72	304
Tobacco manufactures	1914	74	242	6	148	190	473
	1909	77	252	.....	146	169	464
	1904	64	244	.....	123	182	450
Wood, turned and carved	1914	59	1,659	5,714	$805	$967	$2,208
	1909	62	1,287	4,525	572	899	1,870
	1904	58	1,454	4,049	577	668	1,641
Woolen and worsted goods	1914	57	7,998	23,839	4,072	10,823	17,531
	1909	63	8,553	21,651	3,779	11,120	18,002
	1904	72	8,743	18,226	3,514	10,811	17,580
All other industries	1914	381	5,214	15,607	2,784	8,200	15,369
	1909	397	5,683	15,003	2,832	6,721	13,535
	1904	351	6,442	15,835	3,086	7,438	13,264
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
PORTLAND—All industries.	1914	296	5,197	8,300	$3,071	$8,028	$14,705
	1909	271	4,902	7,849	2,508	6,009	11,950
	1904	243	4,345	.....	2,073	4,354	9,133
Bread and other bakery products.	1914	28	180	104	109	360	615
	1909	27	136	42	71	373	531
	1904	29	101	.....	54	142	258
Canning and preserving	1914	[4] 10	237	311	114	892	1,193
	1909	7	78	71	30	142	226
	1904	11	169	.....	47	264	401
Carriages and wagons and repairs.	1914	6	35	18	23	20	60
	1909	4	57	85	34	66	127
	1904	3	78	.....	51	46	112
Clothing, women's	1914	4	267	47	89	192	389
	1909	3	396	64	137	261	504
	1904	3	311	.....	84	136	279
Confectionery	1914	10	132	162	47	378	528
	1909	12	155	166	53	265	574
	1904	6	115	.....	33	225	347
Copper, tin, and sheet-iron work.	1914	9	40	14	$28	$46	$117
	1909	9	124	94	51	166	246
	1904	6	32	.....	18	24	66
Flour-mill and gristmill products.	1914	5	23	220	12	376	429
	1909	6	13	1,023	3	169	190
	1904	3	4	.....	2	128	142
Foundry and machine-shop products.	1914	[5] 42	626	1,366	411	1,021	1,787
	1909	21	483	1,269	266	613	1,200
	1904	20	656	.....	386	352	1,260
Lumber and timber products.	1914	[6] 12	649	1,922	416	1,056	2,178
	1909	11	607	1,590	365	920	1,838
	1904	11	318	.....	170	400	948
Printing and publishing	1914	[1] 45	424	503	280	252	994
	1909	43	619	486	299	294	1,010
	1904	47	518	.....	247	265	855
All other industries	1914	125	2,584	3,633	1,542	3,435	6,460
	1909	128	2,234	2,959	1,199	2,740	5,504
	1904	104	2,043	.....	981	2,372	4,465
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.							
AUBURN	1914	84	4,811	4,411	$2,855	$8,686	$13,840
	1909	83	3,452	3,445	1,748	5,790	8,843
	1904	72	2,652	.....	1,216	4,417	6,407
AUGUSTA	1914	39	2,231	9,639	1,071	2,980	4,918
	1909	40	[7] 2,275	5,350	1,159	2,484	4,662
	1904	44	1,860	.....	702	1,887	3,887
BANGOR	1914	122	1,200	2,355	734	1,952	3,557
	1909	122	1,327	2,441	735	1,847	3,346
	1904	87	1,496	.....	748	1,737	3,408
BIDDEFORD	1914	65	5,054	20,703	$2,188	$5,611	$9,536
	1909	43	5,076	17,038	1,993	4,897	9,012
	1904	33	4,764	.....	1,791	4,136	6,949
LEWISTON	1914	98	6,222	21,879	2,920	6,020	10,619
	1909	83	6,788	19,438	2,741	5,275	10,475
	1904	81	6,167	.....	2,168	4,716	8,528
WATERVILLE	1914	45	2,062	5,319	1,037	2,161	4,012
	1909	33	1,812	3,184	805	1,771	3,179
	1904	40	2,011	.....	738	1,773	3,069

[1] Includes "bookbinding and blank-book making."
[2] Includes "sausage, not made in slaughtering and meat packing establishments."
[3] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[4] Includes "canning and preserving, fish"; "canning and preserving, fruits and vegetables"; "canning and preserving, oysters"; and "pickles and sauces."
[5] 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 iron work, not made in steel works or rolling mills."
[6] Includes "boxes, wooden packing"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "window and door screens."
[7] Figures do not agree with those published in 1909, because certain establishments revised their reports for that census.

TABLE 34.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	3,378	90,758	3,344	2,096	2,110	1,059	82,149	Sc 88,053	De 77,796	(3)	(3)	(3)	(3)	(3)	$233,844,434
2	Agricultural implements	5	143	4	6	5	2	126	De 156	Jy 61	156	153	3	.....	.....	414,041
3	Artificial stone products	16	47	15	1	1	.....	30	Au 55	De 11	50	50	.....	.....	.....	50,964
4	Automobile repairing	85	345	86	12	1	7	239	.....	.....	229	228	.....	1	.....	381,077
5	Repair work	82	337	83	12	1	7	234	Au 292	Ja 184	224	223	.....	1	.....	378,007
6	Vulcanizing tires	3	8	3	.....	.....	.....	5	(4) 5	(4) 5	5	5	.....	.....	.....	3,070
7	Awnings, tents, and sails	24	91	31	.....	.....	.....	60	Jy 72	Fe 51	69	54	14	1	.....	77,247
8	Baskets, and rattan and willowware	5	17	7	.....	.....	.....	10	Mh[5] 14	Au[5] 5	13	7	6	.....	.....	11,341
9	Bookbinding and blank-book making	7	80	4	8	3	1	64	Mh 68	No 60	61	29	31	1	.....	56,703
10	Boot and shoe cut stock	4	33	4	2	.....	.....	27	Au 32	Jy 17	30	27	3	.....	.....	77,009
11	Boot and shoe findings	5	157	.....	8	2	3	144	De[5] 181	Ja 111	181	132	49	.....	.....	311,388
12	Boots and shoes	50	9,371	23	179	166	188	8,815	.....	.....	9,054	5,827	3,163	42	22	8,042,710
13	Boots and shoes	37	9,195	15	175	161	186	8,658	Ja 9,704	Je 7,962	8,892	5,704	3,124	42	22	7,857,398
14	Moccasins	13	176	8	4	5	2	157	Oc 179	De 131	162	123	39	.....	.....	185,312
15	Boxes and cartons, paper	12	315	6	11	2	8	288	Oc 332	Je 261	335	106	229	.....	.....	249,534
16	Boxes, wooden packing	44	901	31	35	10	10	815	Je 884	De 681	921	910	11	.....	.....	1,681,705
17	Brass and bronze products	5	39	2	3	3	.....	31	No[5] 32	Au[5] 30	32	32	.....	.....	.....	74,311
18	Bread and other bakery products	202	1,024	229	16	21	29	729	Au 826	Ja 569	788	598	179	5	6	946,683
19	Brick and tile	37	525	30	14	10	4	467	Jy 738	Fe 242	621	621	.....	.....	.....	1,144,090
20	Brooms, from broom corn	6	23	4	1	.....	.....	18	Se[5] 22	Jy[5] 15	18	18	.....	.....	.....	20,200
21	Brushes, other than toilet and paint	3	23	2	1	.....	1	19	De 24	Je 17	21	11	10	.....	.....	19,819
22	Butter	17	118	6	13	3	6	90	Oc[5] 99	Ja 77	97	89	8	.....	.....	415,113
23	Canning and preserving, fish	98	3,048	79	106	56	41	2,766	Oc 5,083	Mh 699	5,070	2,468	2,569	20	13	4,712,478
24	Canning and preserving, fruits and vegetables.	76	1,272	121	99	22	13	1,017	.....	.....	6,385	4,179	1,900	146	160	1,949,623
25	Canned vegetables	61	1,166	97	94	20	12	943	Se 6,322	Fe 54	6,112	4,049	1,765	139	159	1,673,031
26	Canned fruits	15	106	24	5	2	1	74	Se 301	De 35	273	130	135	7	1	276,592
27	Canning and preserving, oysters	16	151	26	6	.....	.....	119	Ap 306	Jy 3	316	126	190	.....	.....	69,721
28	Carpets, rag	3	87	3	4	1	1	78	Fe 187	De 11	87	80	7	.....	.....	8,194
29	Carriage and wagon materials	6	35	7	1	.....	1	26	Ap[5] 30	Se 22	28	28	.....	.....	.....	94,722
30	Carriages, wagons, and repairs	123	476	130	17	8	4	317	.....	.....	336	336	.....	.....	.....	712,381
31	Carriages and wagons	116	455	126	14	7	4	304	My 326	Au 289	324	324	.....	.....	.....	673,893
32	Repair work only	7	21	4	3	1	.....	13	Je[5] 15	De[5] 12	12	12	.....	.....	.....	38,488
33	Cars and general shop construction and repairs by electric-railroad companies.	11	191	.....	9	5	1	176	Au 193	De 159	159	159	.....	.....	.....	396,388
34	Cars and general shop construction and repairs by steam-railroad companies.	13	1,431	.....	25	54	8	1,344	De 1,420	Je 1,274	1,383	1,383	.....	.....	.....	2,056,118
35	Cleansing preparations	4	5	3	.....	.....	.....	2	(4) 2	(4) 2	2	1	1	.....	.....	7,396
36	Clothing, men's	21	463	21	6	4	2	430	.....	.....	466	116	350	.....	.....	320,679
37	Men's and youths'	15	366	12	6	4	2	342	No 369	Se 295	368	97	271	.....	.....	299,679
38	Contract work	6	97	9	.....	.....	.....	88	Fe[5] 99	Au[5] 67	98	19	79	.....	.....	21,000
39	Clothing, women's	7	339	1	14	5	4	315	Mh 393	Au 233	301	43	258	.....	.....	232,644
40	Coffins, burial cases, and undertakers' goods.	8	68	14	2	.....	1	51	Mh 54	Jy[5] 48	55	54	1	.....	.....	145,209
41	Confectionery and ice cream	66	371	67	13	8	6	277	.....	.....	306	173	130	3	.....	502,899
42	Confectionery and chewing gum	40	274	42	8	8	1	215	Mh[5] 234	Je 195	237	122	113	2	.....	416,628
43	Ice cream	26	97	25	5	.....	5	62	Jy 77	Mh 51	69	51	17	1	.....	86,271
44	Cooperage	60	251	61	8	3	2	177	.....	.....	275	273	2	.....	.....	428,532
45	Hogsheads and barrels	57	243	57	8	3	2	173	Oc 215	Ja 142	260	258	2	.....	.....	418,782
46	All other	3	8	4	.....	.....	.....	4	De[5] 9	Fe 3	15	15	.....	.....	.....	9,750
47	Copper, tin, and sheet-iron work	20	105	27	4	4	1	69	Oc 79	Fe 56	77	75	2	.....	.....	72,604
48	Cotton goods	15	13,979	.....	74	61	10	13,834	Fe 14,364	De 13,272	13,898	7,242	6,221	232	203	31,289,577
49	Cutlery and edge tools	6	15	6	.....	.....	.....	9	Mh[5] 13	Oc[5] 6	12	12	.....	.....	.....	32,194
50	Druggists' preparations	6	22	7	1	.....	.....	14	Je 16	De[5] 10	12	6	6	.....	.....	6,822
51	Engines, steam, gas, and water	5	96	3	6	6	3	78	Se[5] 85	De 66	66	65	1	.....	.....	350,390
52	Fancy articles, not elsewhere specified.	5	9	1	2	.....	2	4	De[5] 6	Au[5] 2	5	1	4	.....	.....	31,748
53	Fertilizers	8	250	2	12	63	18	155	Mh 249	Se 96	133	133	.....	.....	.....	3,385,625
54	Flour-mill and gristmill products	148	442	177	26	8	14	217	De 230	My 205	232	228	4	.....	.....	2,234,931
55	Food preparations, not elsewhere specified.	7	10	7	.....	.....	.....	3	Jy[5] 4	Ap[5] 2	5	3	1	1	.....	44,115
56	Foundry and machine-shop products.	91	2,734	75	117	90	47	2,405	.....	.....	2,329	2,286	39	3	1	6,019,903
57	Machine and boiler shops	85	2,645	70	115	90	46	2,324	Ja 2,409	De 2,231	2,250	2,208	38	3	1	5,929,961
58	Foundries	6	89	5	2	.....	1	81	Fe[5] 83	De 79	79	78	1	.....	.....	89,942
59	Furniture	10	140	5	7	12	5	111	Je 119	Fe 104	106	106	.....	.....	.....	240,560
60	Gas, illuminating and heating	17	313	3	30	48	12	220	Se 265	Mh 182	194	194	.....	.....	.....	4,084,525
61	Glucose and starch	51	175	54	4	2	1	114	Oc 465	Ja 5	460	458	2	.....	.....	713,941
62	Hosiery and knit goods	9	85	8	3	2	1	71	Se 164	My 10	155	108	47	.....	.....	201,926
63	Jewelry	4	18	4	.....	.....	1	13	(4) 13	(4) 13	13	13	.....	.....	.....	9,815
64	Leather, tanned, curried, and finished	10	384	6	14	5	1	358	Fe 425	Se 286	366	366	.....	.....	.....	2,504,824
65	Lime	5	399	4	10	11	5	369	Jy 477	De 230	384	384	.....	.....	.....	933,840
66	Lumber and timber products	842	14,973	1,028	293	153	51	13,448	Ja 16,072	Au 10,376	20,330	20,318	10	2	.....	21,784,242
67	Lumber, planing-mill products, not including planing mills connected with sawmills.	60	786	60	41	22	20	643	Oc 684	Fe 586	650	648	1	1	.....	1,584,136

[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.			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.																
$4,310,482	$2,958,776	$43,253,703	$2,345,876	$1,089,279	$1,634,402	$111,720,678	$5,934,231	$200,450,118	$82,795,209	487,211	176,792	5,761	258,314	46,344	61,356	1
9,100	10,745	84,571	2,224	1,250	1,958	58,539	11,806	216,910	146,565	863	25	12	536	290	85	2
680	260	16,793	.....	330	381	19,221	807	51,494	31,466	42	.....	22	.....	20	.....	3
12,480	3,787	169,170	2,442	20,138	2,768	129,352	8,644	457,920	319,924	381	8	75	20	278	4	4
12,480	3,787	165,498	2,442	19,193	2,743	126,497	8,256	448,420	313,667	376	8	75	20	273	4	5
.....	.....	3,672	.....	945	25	2,855	388	9,500	6,257	5	.....	.....	.....	5	.....	6
.....	.....	32,221	50	4,149	466	89,761	1,535	173,270	81,974	20	.....	.....	.....	20	1	7
.....	.....	3,859	.....	.....	103	2,752	316	13,710	10,642	30	7	.....	.....	23	.....	8
22,157	3,764	31,099	.....	2,537	407	33,855	977	99,753	64,921	44	.....	.....	.....	44	.....	9
1,540	.....	14,994	8,212	1,500	292	74,284	7,673	120,943	38,986	436	75	.....	295	66	.....	10
11,360	2,825	83,149	.....	919	1,110	205,703	3,502	373,085	163,880	348	250	.....	.....	98	162	11
408,343	402,982	4,948,181	922	14,490	31,159	14,639,124	103,475	22,836,073	8,093,474	4,369	1,372	18	185	2,794	378	12
400,723	400,228	4,880,756	222	11,627	30,398	14,474,437	100,920	22,562,932	7,987,575	4,273	1,320	.....	185	2,768	370	13
7,620	2,754	67,425	700	2,863	761	164,687	2,555	273,141	105,899	96	52	18	.....	26	8	14
13,753	7,896	120,141	.....	2,182	1,958	160,344	7,270	358,167	190,553	161	.....	.....	.....	161	.....	15
42,388	9,404	409,054	27,925	4,968	10,098	1,349,314	4,883	1,980,454	626,257	3,769	3,205	145	196	223	507	16
4,984	2,492	25,636	.....	405	298	39,597	2,716	84,119	41,806	70	50	.....	.....	20	.....	17
22,844	40,809	424,469	780	48,244	6,416	1,507,982	48,926	2,626,106	1,069,198	445	2	9	42	392	3	18
21,557	17,703	308,048	3,916	3,560	9,148	177,888	137,739	740,683	425,056	1,277	925	73	.....	279	596	19
1,248	.....	9,690	.....	1,936	252	30,022	195	50,500	20,283	3	.....	.....	.....	3	.....	20
1,000	200	8,475	.....	284	148	15,783	316	37,078	20,979	42	25	15	.....	2	.....	21
13,324	4,476	55,007	2,584	172	3,316	1,230,673	8,640	1,426,448	187,135	450	347	14	.....	89	5	22
166,818	67,723	953,715	837	43,491	24,920	5,284,258	85,251	7,656,425	2,336,916	3,456	2,687	546	110	113	442	23
104,375	29,684	270,620	9,290	9,295	13,619	1,887,874	18,678	2,825,252	918,700	2,522	2,212	102	200	8	.....	24
102,264	29,363	248,197	8,290	8,705	12,276	1,645,030	16,646	2,524,119	862,443	2,285	1,977	100	200	8	.....	25
2,111	321	22,423	1,000	590	1,343	242,844	2,032	301,133	56,257	237	235	2	.....	.....	.....	26
2,073	.....	32,755	1,365	320	381	113,368	2,755	175,118	58,995	141	123	18	.....	.....	.....	27
3,700	2,099	10,407	.....	877	88	3,066	675	27,699	23,958	21	.....	.....	.....	21	.....	28
1,300	728	17,137	.....	1,580	426	37,378	2,089	84,467	45,000	121	25	43	53	.....	.....	29
18,821	10,355	187,546	2,479	8,566	6,358	350,201	13,854	766,821	402,766	695	37	248	71	339	44	30
16,061	9,855	180,582	2,479	6,690	6,047	333,669	13,181	731,027	384,177	654	34	240	71	309	44	31
2,760	500	6,964	.....	1,876	311	16,532	673	35,794	18,589	41	3	8	.....	30	.....	32
8,660	4,701	105,004	3,550	.....	8,228	94,904	4,446	223,866	124,516	97	.....	.....	.....	97	43	33
34,280	47,601	988,465	.....	.....	13,655	946,818	59,298	2,075,637	1,069,521	1,377	665	10	.....	702	18	34
.....	.....	596	50	102	45	4,601	114	8,420	3,705	.....	.....	.....	.....	.....	.....	35
9,660	3,849	174,114	9,201	4,695	847	645,397	7,035	1,002,460	350,028	183	50	4	50	79	.....	36
9,660	3,849	140,209	3,517	4,255	749	632,854	5,573	935,830	297,403	120	50	.....	.....	70	.....	37
.....	.....	33,905	5,684	440	98	12,543	1,462	66,630	52,625	63	.....	4	50	9	.....	38
21,955	9,696	103,812	26,514	6,007	1,131	226,431	3,014	471,696	242,251	48	.....	.....	.....	48	.....	39
1,976	624	29,001	900	1,683	693	43,973	1,674	111,779	66,132	190	.....	8	132	50	80	40
14,188	7,946	113,144	100	21,649	6,036	624,767	12,425	980,226	343,034	338	77	17	.....	244	.....	41
6,440	5,450	78,330	.....	8,129	4,399	462,568	9,416	715,486	243,502	206	60	6	.....	140	.....	42
7,748	2,496	34,814	100	13,520	1,637	162,199	3,009	264,740	99,532	132	17	11	.....	104	.....	43
8,123	2,553	93,348	6,816	5,586	2,363	312,688	2,149	491,072	176,235	944	440	96	373	35	.....	44
8,123	2,553	91,422	6,816	5,510	2,313	309,429	2,107	479,772	168,236	934	440	96	373	25	.....	45
.....	.....	1,926	.....	76	50	3,259	42	11,300	7,999	10	.....	.....	.....	10	.....	46
5,523	2,583	50,773	2,121	6,365	454	75,297	1,115	192,466	116,054	17	.....	2	.....	15	.....	47
258,961	88,181	5,775,092	224,608	915	325,975	12,601,554	431,415	22,121,711	9,088,742	64,404	26,923	.....	34,084	3,397	15,323	48
.....	.....	5,059	.....	100	177	4,701	999	18,727	13,027	139	.....	24	90	25	.....	49
2,080	.....	4,241	.....	1,083	92	16,420	12	33,489	17,057	3	.....	1	.....	2	.....	50
8,239	4,907	56,371	.....	1,092	1,673	79,963	2,592	225,270	142,715	150	50	37	.....	63	.....	51
695	173	1,834	1,560	291	481	4,387	545	15,772	10,840	14	.....	9	.....	5	.....	52
40,423	83,274	68,110	627	650	6,840	1,186,959	8,528	1,583,481	387,994	973	718	55	20	180	.....	53
24,207	10,144	127,733	2,338	12,648	14,488	3,922,505	36,675	4,425,824	466,644	6,025	738	789	2,491	2,007	.....	54
.....	.....	1,843	.....	360	120	7,086	799	19,873	11,988	6	.....	.....	.....	6	.....	55
218,964	116,787	1,456,696	4,096	10,455	43,226	2,084,239	108,660	4,691,369	2,498,470	4,661	1,732	84	810	2,035	666	56
215,664	116,287	1,403,907	4,096	10,405	42,427	2,061,110	104,723	4,598,992	2,433,159	4,583	1,724	84	785	1,990	666	57
3,300	500	52,789	.....	50	799	23,129	3,937	92,377	65,311	78	8	.....	25	45	.....	58
9,996	16,592	67,218	8,783	2,590	1,570	122,260	4,691	275,660	148,709	311	235	.....	18	58	.....	59
31,524	36,522	152,443	77,223	.....	31,465	103,050	188,647	768,854	477,157	490	466	19	.....	5	.....	60
2,104	395	56,126	.....	1,700	3,245	459,969	24,670	628,644	144,005	1,550	1,330	55	70	95	.....	61
2,725	1,408	31,794	.....	1,304	771	80,008	1,997	145,276	63,271	127	84	.....	5	38	.....	62
.....	522	8,858	150	600	62	8,487	269	22,921	14,165	10	.....	3	.....	7	.....	63
24,384	3,981	181,629	.....	62	7,246	2,011,433	49,143	2,419,005	358,429	1,995	1,625	.....	60	310	350	64
18,016	13,283	224,155	11,075	138	9,265	384,335	172,447	923,032	366,250	455	410	40	.....	5	.....	65
378,253	164,950	6,718,576	1,477,135	61,406	234,182	10,124,128	40,523	22,397,865	12,233,214	74,333	51,091	1,308	20,762	1,172	477	66
56,304	34,669	415,488	2,887	23,111	10,736	1,140,774	19,023	1,903,971	744,174	3,407	1,897	158	505	847	1	67

[5] Same number reported throughout the year.

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

TABLE 34.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

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

	INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS—DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
1	Marble and stone work	137	2,087	148	56	37	13	1,833			1,876	1,871	3	2		3,901,470
2	Marble and stone work, other than slate.	133	1,790	148	47	33	7	1,555	My 1,938	De 942	1,609	1,604	3	2		3,091,804
3	Roofing and other slate products.	4	297		9	4	6	278	Je [3] 299	De 219	267	267				809,666
4	Mattresses and spring beds	6	86	7	7	2		70	Je 81	De 54	75	60	14	1		128,884
5	Mineral and soda waters	53	173	45	17	5	4	102	Au 140	De [3] 75	106	102	3	1		354,731
6	Musical instruments and materials, not specified.	3	2	1				1	De [3] 2	([4]) 0	1	1				2,325
7	Paper and wood pulp	38	10,696	20	144	399	100	10,033			10,161	9,630	531			80,442,988
8	Paper exclusively	8	659	6	25	31	7	590	Ap 644	De 417	598	521	77			2,981,415
9	Pulp exclusively	13	1,206	9	20	38	7	1,132	Se 1,222	De 951	1,236	1,236				8,247,385
10	Paper and pulp	17	8,831	5	99	330	86	8,311	Jy 8,602	De 8,177	8,327	7,873	454			69,214,188
11	Patent medicines and compounds	24	163	15	11	21	1	99	Fe 136	Au 56	132	37	95			260,039
12	Photo-engraving	3	6					6	([4]) 6	([4]) 6	6	6				7,470
13	Pickles, preserves, and sauces	7	17	4	1	1		11	Se [3] 15	De 8	12	8	4			86,710
14	Printing and publishing, book and job	99	614	101	27	27	16	443			454	325	126	2	1	679,717
15	Job work only	95	586	97	26	12	16	435	Je [3] 449	Oc 417	447	320	124	2	1	654,477
16	Book publishing and printing	4	28	4	1	15		8	Mh [3] 10	Oc [3] 6	7	5	2			25,240
17	Printing and publishing, newspapers and periodicals.	98	1,610	48	90	134	73	1,265			1,293	709	555	29		2,527,624
18	Printing and publishing	10	758	1	24	56	29	648	Mh 704	Au 568	668	324	344			1,268,704
19	Printing, publishing, and job printing.	77	836	45	60	74	40	617	Mh 637	Jy 577	625	385	211	29		1,216,539
20	Publishing without printing	11	16	2	6	4	4									42,381
21	Saddlery and harness	31	74	32		1	1	40	No [3] 43	No [3] 37	41	40	1			125,870
22	Sausage, not made in slaughtering and meat packing establishments.	5	20	2	3	2	2	11	No [3] 13	Jy [3] 9	10	10				41,723
23	Shipbuilding, wooden, including boat building.	105	621	121	21	6	12	461			479	475	4			1,062,306
24	New vessels	18	147	24	5	1	3	114	Mh 148	Jy 77	134	133	1			236,332
25	Repair work	10	117	16	6	2	1	92	My 140	Fe 50	87	87				304,490
26	Small boats	74	340	77	10	3	8	242	Jy 301	No 184	243	240	3			507,254
27	Masts, spars, oars, and rigging	3	17	4				13	Oc 16	Ap [3] 10	15	15				14,230
28	Shirts	6	657	4	4	15	17	617	Ja 713	No 391	638	114	520	4		819,533
29	Slaughtering and meat packing	21	157	26	6	6	4	115	Ja 122	My 110	121	121				193,441
30	Sporting and athletic goods	9	40	9	1		1	29	No 37	Je [3] 24	35	31	4			32,474
31	Stoves and ranges	4	255	1	10	26	4	214	Oc [3] 224	Jy 174	219	218	1			407,871
32	Tobacco, cigars	74	345	87	2	12	2	242	Jy 249	De 235	247	185	60	2		161,386
33	Tools, not elsewhere specified	15	93	12	3	5	5	68	Mh 79	De 56	60	60				256,643
34	Trunks and valises	5	277	2	18	29	9	219	Mh 300	Oc 155	200	175	25			726,224
35	Vinegar and cider	12	23	16	1			6			11	11				42,224
36	Vinegar	7	15	10	1			4	Oc 15	Jy [3] 1	5	5				33,112
37	Cider	5	8	6				2	No [3] 6	Ja [3] 1	6	6				9,112
38	Wood, turned and carved	59	1,826	53	61	33	20	1,659	Fe 2,014	Se 1,417	1,699	1,538	156	4	1	3,169,286
39	Wooden goods, not elsewhere specified.	14	345	9	19	6	12	299	Fe 389	Se 204	410	316	88		6	1,063,041
40	Woolen and worsted goods	57	8,287	13	145	88	43	7,998	De 8,432	Au 7,338	8,651	5,565	2,914	71	101	20,016,538
41	All other industries *	138	5,909	74	185	375	169	5,106								16,197,279

[1] Owned power only.

[2] Includes rented power, other than electric.

* All other industries embrace—

Automobile bodies and parts	2	Clothing, horse	1	Fireworks	1	Hair work	2
Babbitt metal and solder	1	Coffee, roasting and grinding	1	Flavoring extracts	8	Hammocks	1
Bags, paper, not including those made in paper mills	2	Condensed milk and milk products, other than butter and cheese	1	Fur goods	1	Hand stamps	3
Belting, leather	1	Cordage and twine	1	Furnishing goods, men's	5	Hardware	3
Billiard tables and materials	1	Dental goods, other than teeth	1	Furs, dressed	1	Hats, fur-felt	1
Blacking, stains, and dressings	3	Dyeing and finishing textiles	1	Galvanizing	1	House-furnishing goods, not elsewhere specified	1
Carriages and sleds, children's	1	Enameling	1	Glass, cutting, staining, and ornamenting	2	Instruments, professional and scientific	1
Cement	1	Engraver's materials	1	Glue, not elsewhere specified	1	Iron and steel, steel works and rolling mills	1
Charcoal	1	Envelopes	1	Grease and tallow, not including lubricating greases	6	Lapidary work	3
Cheese	1	Explosives	1	Grindstones	1		
Chemicals	2	Felt goods	2				

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

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

EXPENSES.										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).		
$97,164	$37,481	$1,301,510	$49,753	$9,126	$20,831	$484,245	$102,891	$2,528,845	$1,941,709	9,138	7,175	231	15	1,717	23	1
73,464	30,331	1,156,339	41,716	9,126	17,219	462,507	70,455	2,261,735	1,728,773	8,265	7,090	231	15	929	23	2
23,700	7,150	145,171	8,037	.....	3,612	21,738	32,436	267,110	212,936	873	85	.....	.....	788	.....	3
5,976	1,429	34,430	.....	720	1,335	108,634	1,340	197,087	87,113	55	.....	.....	.....	55	.....	4
11,491	2,884	53,333	850	5,859	4,665	177,734	5,738	327,825	144,353	245	95	4	7	139	2	5
.....	.....	360	.....	216	.....	634	70	2,615	1,911	5	.....	.....	.....	5	.....	6
820,214	629,687	6,754,266	57,480	552,997	438,423	22,223,708	3,234,259	40,179,744	14,721,777	245,121	49,077	10	180,382	15,652	39,055	7
89,800	57,735	382,698	.....	34,129	29,145	1,598,054	134,532	2,491,477	758,891	10,018	3,880	.....	6,138	.....	681	8
95,985	53,729	657,716	2,695	87,200	57,772	2,095,341	245,549	3,504,440	1,163,550	51,040	3,871	.....	47,055	114	2,326	9
634,429	518,223	5,713,852	54,785	431,668	351,506	18,530,313	2,854,178	34,183,827	12,799,336	184,063	41,326	10	127,189	15,538	36,048	10
27,200	23,413	38,038	180	2,299	1,831	182,913	2,189	434,253	249,151	64	35	.....	.....	29	.....	11
.....	.....	4,600	.....	492	48	2,875	497	12,308	8,936	6	.....	.....	.....	6	.....	12
822	1,035	6,112	.....	1,400	477	60,092	1,638	85,943	24,213	138	100	2	.....	36	.....	13
40,777	17,488	254,388	17,207	25,787	4,240	229,180	11,169	812,625	572,276	450	4	58	2	386	.....	14
40,152	16,026	248,298	14,292	25,362	4,152	224,976	10,980	786,730	550,774	441	4	58	2	377	.....	15
625	1,462	6,090	2,915	425	88	4,204	189	25,895	21,502	9	.....	.....	.....	9	.....	16
136,968	163,717	669,642	33,190	41,714	13,857	901,111	34,101	2,804,477	1,869,265	1,266	429	84	21	732	179	17
48,926	83,675	313,280	12,350	14,176	5,562	638,974	15,903	1,620,612	965,735	551	302	.....	.....	249	173	18
83,823	78,262	352,870	5,588	26,603	8,208	258,863	18,198	1,151,552	874,491	715	127	84	21	483	6	19
4,219	1,780	3,492	15,252	935	87	3,274	.....	32,313	29,039	.....	.....	.....	.....	.....	.....	20
.....	988	24,080	107	3,690	760	64,151	1,429	128,502	62,922	27	.....	.....	.....	27	.....	21
6,350	1,147	6,725	.....	696	296	95,884	1,797	123,031	25,350	73	.....	2	.....	71	.....	22
34,116	11,994	283,776	7,518	4,372	10,480	635,754	10,353	1,192,866	546,759	1,270	575	276	.....	419	.....	23
6,400	3,378	73,989	5,684	1,558	2,049	132,606	3,699	283,349	147,044	448	122	86	.....	240	.....	24
12,125	2,248	56,733	613	675	5,034	45,835	756	131,057	84,466	434	390	8	.....	36	.....	25
15,591	6,368	147,049	1,221	2,005	3,333	448,541	5,638	756,234	302,055	343	38	182	.....	123	.....	26
.....	.....	6,005	.....	134	64	8,772	260	22,226	13,194	45	25	.....	.....	20	.....	27
24,200	27,367	263,497	.....	1,850	3,958	540,218	7,954	1,170,665	622,493	107	.....	26	20	61	16	28
6,524	5,902	72,495	.....	1,880	2,101	1,031,585	5,476	1,247,441	210,380	139	41	9	.....	89	.....	29
750	350	14,140	25	100	153	21,228	811	53,182	31,143	37	21	3	.....	13	.....	30
34,770	24,649	145,206	.....	.....	4,045	103,307	7,772	361,435	250,356	208	195	.....	5	8	15	31
3,700	10,437	147,779	137	10,395	34,742	187,484	2,319	473,410	283,607	6	.....	.....	.....	6	4	32
6,848	6,399	49,262	1,167	1,084	2,029	103,510	7,079	205,650	95,061	344	85	21	150	88	.....	33
32,130	33,768	126,703	.....	2,280	2,287	256,757	6,088	448,658	185,813	908	325	.....	551	32	152	34
312	.....	2,558	.....	.....	229	11,229	502	27,941	16,210	200	30	60	85	25	.....	35
312	.....	1,991	.....	.....	137	9,553	412	22,233	12,268	77	20	32	.....	25	.....	36
.....	.....	567	.....	.....	92	1,676	90	5,708	3,942	123	10	28	85	.....	.....	37
85,726	48,871	804,951	23,841	1,083	23,554	961,777	5,514	2,208,464	1,241,173	5,714	4,762	89	799	64	76	38
26,763	9,944	150,707	.....	571	6,789	237,730	6,117	531,373	287,526	1,328	965	30	189	144	170	39
370,535	118,349	4,072,100	185,246	13,512	122,363	10,330,093	493,023	17,531,470	6,708,354	23,839	6,605	695	11,463	5,076	1,956	40
472,061	508,204	2,744,785	46,415	71,371	93,773	8,061,372	328,478	15,999,447	7,609,597	14,570	6,367	102	3,447	4,654	523	41

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

Lasts	2
Looking-glass and picture frames	3
Millinery and lace goods	1
Mineral and earths, ground	3
Models and patterns, not including paper patterns	3
Musical instruments, organs	1
Musical instruments, pianos	1
Nets and seines	1
Oilcloth and linoleum, floor	1
Oilcloth, enameled	1
Optical goods	1
Paints	1
Paper goods, not elsewhere specified	2
Perfumery and cosmetics	2
Plated ware	1
Plumber's supplies, not elsewhere specified	2
Pottery	1
Pulp goods	1
Pulp wood	5
Refrigerators	2
Sand and emery paper and cloth	1
Shipbuilding, iron and steel	2
Signs and advertising novelties	1
Silk goods, including throwsters	1
Soap	1
Stamped ware	1
Stationery goods, not elsewhere specified	1
Steam fittings and steam and hot-water heating apparatus	1
Steam packing	1
Stereotyping and electrotyping	1
Structural ironwork, not made in steel works or rolling mills	2
Surgical appliances	2
Suspenders, garters, and elastic woven goods	1
Tinware, not elsewhere specified	5
Toys and games	1
Upholstering materials, excelsior	1
Varnishes	1
Window and door screens	1
Wirework	2
Wool pulling	3
Wool shoddy	2

TABLE 34.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.										WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					Capital.
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.					Total.	16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of— 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 **PORTLAND**—All industries	296	6,213	181	282	349	204	5,197	My	5,379	De	4,913	5,420	4,284	1,102	24	10	$13,991,527
2 Artificial stone products	3	15	4	.....	1	.....	10	Au	14	No	6	10	10	.....	.....	.....	13,950
3 Automobile repairing	16	81	9	2	.....	.....	70	Au [3]	74	Ja [3]	64	67	66	.....	1	.....	70,124
4 Awnings, tents, and sails	5	22	5	.....	.....	.....	17	Jy	23	Fe	11	19	14	4	1	.....	16,600
5 Bookbinding and blank-book making.	4	59	2	7	3	1	46	Oc [3]	48	Jy	43	45	23	21	1	.....	39,978
6 Boots and shoes	3	383	.....	11	5	5	362	Se	408	Je	264	375	208	163	4	.....	377,509
7 Boxes and cartons, paper	3	91	.....	4	.....	3	84	De	109	Je	70	110	19	91	.....	.....	87,956
8 Bread and other bakery products	28	217	25	7	3	2	180	De	195	Ja [3]	166	203	162	38	1	2	213,916
9 Carriages, wagons, and repairs	6	46	3	6	1	1	35	My	38	De [3]	34	34	34	.....	.....	.....	44,598
10 Clothing, women's	4	286	.....	11	4	4	267	Mh	330	De	198	258	37	221	.....	.....	214,817
11 Confectionery and ice cream	14	188	7	9	4	6	162	.....	.....	.....	.....	166	93	72	1	.....	410,405
12 Confectionery and chewing gum	10	149	7	5	4	1	132	Ja	145	De	105	134	70	63	1	.....	361,524
13 Ice cream	4	39	.....	4	.....	5	30	Je	34	Ap [3]	27	32	23	9	.....	.....	48,881
14 Copper, tin, and sheet-iron work	9	61	15	3	2	1	40	Au	45	Ap	36	41	40	1	.....	.....	51,907
15 Flour-mill and gristmill products	5	39	4	5	3	4	23	De [3]	27	My [3]	19	27	27	.....	.....	.....	181,065
16 Foundry and machine-shop products	19	574	8	38	43	19	466	Au	501	Mh	429	482	478	1	3	.....	1,901,426
17 Furniture	5	103	1	6	12	4	80	Je	87	Fe	74	75	75	.....	.....	.....	192,342
18 Lumber, planing-mill products, not including planing mills connected with sawmills.	8	268	1	17	13	9	228	Se	249	Mh	206	229	229	.....	.....	.....	488,457
19 Marble and stone work	4	23	1	2	.....	.....	20	No	25	Ja	15	21	21	.....	.....	.....	23,944
20 Mineral and soda waters	7	35	5	2	2	2	24	Au	33	Ja [3]	20	23	23	.....	.....	.....	68,538
21 Patent medicines and compounds	6	30	6	2	5	1	16	Se [3]	25	Au	12	25	11	14	.....	.....	24,189
22 Photo-engraving	3	6	.....	.....	.....	.....	6	(4)	6	(4)	6	6	6	.....	.....	.....	7,470
23 Printing and publishing, book and job.	31	286	22	18	21	14	211	Jy	222	Oc	198	216	165	48	2	1	276,528
24 Printing and publishing, newspapers and periodocals.	10	259	3	12	56	21	167	.....	.....	.....	.....	167	112	51	4	.....	476,224
25 Printing and publishing	3	222	.....	8	52	18	144	Ap	146	My	142	144	100	44	.....	.....	404,977
26 Printing, publishing, and job printing.	4	28	3	1	.....	1	23	(4)	23	(4)	23	23	12	7	4	.....	29,747
27 Publishing, without printing	3	9	.....	3	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	41,500
28 Tobacco, cigars	4	14	4	.....	.....	.....	10	Jy [3]	12	Mh [3]	8	11	9	2	.....	.....	6,055
29 All other industries*	99	3,127	56	120	171	107	2,673	.....	.....	.....	.....	2,810	2,422	375	6	7	8,803,529

*All other industries embrace—

Automobile bodies and parts	2	Canning and preserving, vegetables	3	Clothing, men's	2	Gas, illuminating and heating	2
Babbit metal and solder	1	Canning and preserving, oysters	1	Coffins, burial cases, and undertaker's goods	1	Glass, cutting, staining, and ornamenting	2
Billiard tables and materials	1	Carpets, rag	2	Cooperage	2	Grease and tallow, not including lubricating greases	2
Blacking, stains, and dressings	1	Carriage and wagon materials	1	Druggist's preparations	4	Grindstones	1
Boot and shoe cut stock	1	Cars and general shop construction and repairs by electric-railroad companies	1	Engines, steam, gas, and water	2	Hair work	2
Boxes, wooden packing	2	Cars and general shop construction and repairs by steam-railroad companies	2	Fancy articles, not elsewhere specified	2	Hand stamps	1
Brass and bronze products	1			Flavoring extracts	6	Hardware	1
Brick and tile	3			Food preparations, not elsewhere specified	2	Hats, fur-felt	1
Brooms, from broom corn	1						
Butter	1						
Canning and preserving, fish	4						

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

1 AUBURN	84	5,247	63	116	134	123	4,811	Mh	5,322	Jy	4,246	4,953	3,424	1,509	13	7	$6,020,146
2 AUGUSTA	39	2,379	28	48	46	26	2,231	Ja	2,446	Au	2,094	2,246	1,510	702	16	18	5,069,015
3 BANGOR	122	1,517	96	81	96	44	1,200	Au	1,262	De	1,093	1,202	1,027	175	.....	.....	3,459,463
4 BIDDEFORD	65	5,221	74	47	33	13	5,054	Oc	5,290	Je	4,884	5,086	3,381	1,552	92	61	8,144,023
5 LEWISTON	98	6,506	92	67	90	35	6,222	Fe	6,577	No	5,741	6,336	3,418	2,824	59	35	15,162,212
6 SANFORD	44	3,557	43	30	21	33	3,430	No	3,589	Jy	3,259	3,467	2,116	1,244	55	52	5,736,258
7 WATERVILLE	45	2,207	33	31	60	21	2,062	De	2,157	Ap	2,001	2,209	1,390	748	21	50	5,469,583

[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.																
$515,755	$456,401	$3,070,563	$142,017	$157,968	$108,534	$7,658,646	$369,175	$14,704,879	$6,677,058	8,300	4,060	150	42	4,048	1,156	1
.....	260	4,437	.....	210	128	3,380	148	11,390	7,862	10	.....	.....	.....	10	.....	2
2,600	.....	54,125	.....	7,818	350	14,638	1,502	100,601	84,461	75	.....	.....	.....	75	.....	3
.....	.....	7,846	50	1,348	72	29,045	372	56,100	26,683	6	.....	.....	.....	6	.....	4
19,357	3,764	22,496	.....	1,458	242	28,522	463	76,861	47,876	31	.....	.....	.....	31	.....	5
20,596	7,908	215,162	.....	4,600	2,656	497,580	6,432	843,394	339,382	136	75	.....	.....	61	79	6
3,360	2,018	33,684	.....	970	944	37,485	1,656	96,321	57,180	40	.....	.....	.....	40	.....	7
13,340	3,380	108,655	.....	18,553	1,540	350,030	10,160	615,238	255,048	104	.....	.....	42	62	.....	8
4,820	619	22,746	.....	3,375	464	19,071	1,058	59,643	39,514	18	.....	.....	.....	18	34	9
17,295	8,976	89,470	11,014	5,707	1,131	188,719	3,014	388,725	196,992	47	.....	.....	.....	47	.....	10
12,200	6,203	66,752	.....	8,540	4,082	472,801	7,524	692,212	211,887	214	60	.....	.....	154	.....	11
5,180	3,707	46,938	.....	3,580	3,767	371,852	5,915	528,113	150,346	162	60	.....	.....	102	.....	12
7,020	2,496	19,814	.....	4,960	315	100,949	1,609	164,099	61,541	52	.....	.....	.....	52	.....	13
5,000	1,241	28,464	240	4,964	358	45,631	826	117,192	70,735	14	.....	.....	.....	14	.....	14
4,336	3,820	11,703	.....	2,533	1,218	372,795	2,894	428,629	52,940	220	50	.....	.....	170	.....	15
69,408	40,287	285,504	2,500	5,379	9,503	785,654	37,275	1,341,352	518,423	1,093	90	19	.....	984	.....	16
8,496	15,942	52,632	8,647	2,464	1,179	102,571	3,891	230,675	124,213	225	175	.....	.....	50	.....	17
23,234	19,881	159,228	900	17,523	3,375	480,324	4,042	796,132	311,766	899	785	50	.....	64	1	18
2,105	.....	15,874	.....	420	176	9,020	447	31,068	21,601	10	.....	.....	.....	10	.....	19
1,500	1,418	12,962	500	1,680	2,061	82,249	1,568	112,975	29,158	53	15	.....	.....	38	.....	20
1,800	6,480	7,205	180	900	207	47,181	294	93,536	46,061	3	.....	.....	.....	3	.....	21
.....	.....	4,600	.....	492	48	2,875	497	12,308	8,936	6	.....	.....	.....	6	.....	22
27,281	14,526	133,422	12,678	13,562	1,712	112,968	5,721	418,429	299,740	217	.....	.....	.....	217	.....	23
23,998	68,323	124,392	21,329	12,294	2,716	93,451	10,605	453,931	349,875	255	202	.....	.....	53	171	24
19,862	66,667	110,492	12,038	10,534	2,485	85,960	9,784	406,159	310,415	238	202	.....	.....	36	171	25
1,200	600	13,900	.....	1,155	149	4,464	821	28,467	23,182	17	.....	.....	.....	17	.....	26
2,936	1,056	.....	9,291	605	82	3,027	.....	19,305	16,278	.....	.....	.....	.....	.....	.....	27
.....	.....	5,750	.....	729	1,577	9,992	32	21,202	11,178	.....	.....	.....	.....	.....	.....	28
255,029	251,355	1,603,454	83,979	42,449	72,795	3,872,664	268,754	7,706,965	3,565,547	4,624	2,608	81	.....	1,935	871	29

Hosiery and knit goods..... 1
House-furnishing goods, not elsewhere specified..... 1
Jewelry..... 1
Leather, tanned, curried, and finished..... 1
Lumber and timber products..... 1
Mattresses and spring beds..... 2
Models and patterns, not including paper patterns..... 1
Musical instruments, organs..... 1
Paints..... 1
Perfumery and cosmetics..... 2
Pickles and sauces..... 2
Plated ware..... 1
Plumber's supplies, not elsewhere specified..... 1
Saddlery and harness..... 2
Sausage, not made in slaughtering and meat packing establishments..... 1
Shipbuilding, wooden, including boat building..... 2
Signs and advertising novelties..... 1
Slaughtering and meat packing..... 1
Stamped ware..... 1
Stationery goods, not elsewhere specified..... 1
Steam fittings and steam and hot-water heating apparatus..... 1
Steam packing..... 1
Stoves and hot-air furnaces..... 1
Structural ironwork, not made in steel works or rolling mills..... 2
Surgical appliances..... 1
Tinware, not elsewhere specified..... 2
Trunks and valises..... 2
Window and door screens..... 1
Wooden goods, not elsewhere specified..... 2

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																
$227,394	$301,897	$2,854,701	$8,513	$14,392	$38,615	$8,605,824	$79,994	$13,839,604	$5,153,786	4,411	1,148	30	815	2,418	.....	1
98,893	61,100	1,071,417	285	18,582	36,929	2,879,106	101,205	4,917,954	1,937,643	9,639	1,445	36	6,509	1,649	7	2
125,548	100,501	734,474	24,977	32,935	36,737	1,888,981	62,692	3,557,390	1,605,717	2,355	1,304	9	502	540	153	3
121,435	58,360	2,188,464	322,872	9,175	121,302	5,443,259	168,020	9,536,381	3,925,102	20,703	13,437	59	6,962	245	7,497	4
187,776	100,279	2,919,803	1,894	11,754	140,146	5,771,886	248,164	10,619,045	4,598,995	21,879	3,295	92	17,214	1,278	2,300	5
101,218	33,720	1,896,458	192,300	13,811	35,703	4,859,499	192,604	8,299,801	3,247,698	6,237	2,180	.....	700	3,357	1,040	6
56,840	67,564	1,036,745	23,394	6,341	40,513	2,071 528	89,927	4,011,771	1,850,316	5,319	248	19	3,364	1,688	452	7

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

[4] Same number reported throughout the year.

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

CENSUS OF MANUFACTURES 1914

MARYLAND

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.

MARYLAND.

By Maude M. Harrison.

GENERAL STATISTICS.

General character of the state.—Maryland, one of the thirteen original states, with a gross area of 12,327 square miles, of which 9,941 represent land surface, ranks forty-first in size among the states of the Union. Its inhabitants in 1900 numbered 1,188,044, and in 1910, 1,295,346, and its estimated population in 1914 was 1,341,000. In total population Maryland ranked twenty-seventh among the states in 1910; and in density of population it ranked seventh, with 130.3 inhabitants per square mile, the corresponding figure for 1900 being 119.5.

The census of 1910 was the first to show an excess of urban population—that is, the population residing in incorporated places having 2,500 or more inhabitants—over rural population in Maryland; the percentages represented by the urban and rural portions of the population in that year being 50.8 and 49.2, respectively. There were in the state in 1914 four cities, each with an estimated population of more than 10,000—Baltimore, Cumberland, Frederick, and Hagerstown. These cities, whose aggregate population in that year formed 47.7 per cent of the estimated total population of Maryland, reported 61.6 per cent of the value of the state's manufactured products. Baltimore alone, with 580,000, had 43.2 per cent of the total estimated population of the state in 1914, and reported 57 per cent of the total value of manufactured products.

The steam-railway mileage in 1914 was 1,430, and the electric-railway mileage in 1912 was 645. In addition, Chesapeake Bay, with approximately two-thirds of its 200 miles of length lying within the limits of Maryland, constitutes a factor of great importance in the transportation facilities of the state. The bay also provides excellent fishing ground and affords opportunity for oyster culture which perhaps is not equaled elsewhere in the world. In 1908 Maryland stood first among the states in quantity of oysters taken.

The total value of farm crops produced during the year 1909 was $43,920,149, of which $11,015,298 was contributed by corn and $9,876,480, by wheat.

The value of merchandise exported through the Maryland customs district during the fiscal year 1914 was $109,690,231, and of merchandise imported, $34,489,494. Very nearly all the foreign trade of the district passes through the port of Baltimore.

Importance and growth of manufactures.—Maryland's manufactured products in 1914 were valued at $377,749,078, and the average number of wage earners employed in its manufacturing industries was 111,585. In that year the state ranked fourteenth in the former respect and fifteenth in the latter. The corresponding ranking for each item in 1909 was fifteenth. The output of manufactured products in Maryland in 1914 represented 1.6 per cent of the total for the United States, as measured by value; the corresponding proportion for 1909 was 1.5 per cent and for 1904, 1.6 per cent.

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

Table 1

	MANUFACTURING INDUSTRIES.				PER CENT OF INCREASE.[1]		
	1914	1909	1904	1899	1909–1914	1904–1909	1899–1904
Number of establishments	4,797	4,837	3,852	3,886	−0.8	25.6	−0.9
Persons engaged	131,391	125,489	107,303	(2)	4.7	16.9	.....
Proprietors and firm members	5,005	5,376	4,505	(2)	−6.9	19.3	.....
Salaried employees	14,801	12,192	8,624	6,741	21.4	41.4	27.9
Wage earners (average number)	111,585	107,921	94,174	94,170	3.4	14.6	(3)
Primary horsepower	263,753	218,244	165,449	132,052	20.8	31.9	25.3
Capital	$293,210,925	$251,226,828	$201,877,966	$149,155,313	16.7	24.4	35.3
Salaries and wages	71,801,109	59,052,718	44,988,240	39,259,517	21.6	31.3	14.6
Salaries	18,008,770	13,616,889	8,843,996	6,845,088	32.3	54.0	29.2
Wages	53,792,339	45,435,829	36,144,244	32,414,429	18.4	25.7	11.5
Paid for contract work	3,223,268	3,278,207	2,543,602	(2)	−1.7	28.9	.....
Rent and taxes (including internal revenue)	11,476,901	8,783,915	[4] 2,203,099	(2)	30.7	.....	.....
Cost of materials	238,971,973	199,048,905	150,024,066	129,354,412	20.1	32.7	16.0
Value of products	377,749,078	315,669,150	243,375,996	211,076,143	19.7	29.7	15.3
Value added by manufacture (value of products less cost of materials)	138,777,105	116,620,245	93,351,930	81,721,731	19.0	24.9	14.2

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

While the manufacturing industries of the state show increases for the three five-year periods presented in the table, the greatest growth occurred during the period 1904–1909. The only decreases shown are for the number of establishments, proprietors and firm members, and amount paid for contract work for the period 1909–1914.

During the decade 1904–1914 the industries of Maryland, as measured by capital, number of wage earners, wages, value of products, and value added by manufacture, increased by 45.2 per cent, 18.5 per cent, 48.8 per cent, 55.2 per cent, and 48.7 per cent, respectively.

The percentages of increase reported for the state during the five-year period 1909–1914 for value of products and value added by manufacture were 19.7 and 19, respectively; slightly more than the corresponding percentages for the United States, which were 17.3 and 15.8, respectively.

The totals presented in the table do not include statistics for an establishment operated by the Federal Government, the United States Naval Smokeless Powder Factory, located at Indian Head. In 1914 this plant employed an average of 434 wage earners, and the value of products was $948,104, as compared with 331 wage earners and products valued at $581,763 in 1909.

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	4,797	111,585	100.0	$377,749,078	100.0	$138,777,105	100.0	3.4	14.6	(2)	19.7	29.7	15.3	19.0	24.9	14.2
Clothing, men's, including shirts	301	18,062	16.2	39,047,875	10.3	18,449,758	13.3	−8.7	42.9	3.8	5.8	43.9	20.4	15.6	46.6	26.3
Copper, tin, and sheet-iron products	114	7,712	6.9	25,491,121	6.7	8,774,183	6.3	46.2	93.4	−15.8	50.8	82.5	32.3	43.8	92.6	41.2
Canning and preserving	465	8,640	7.7	18,028,779	4.8	5,071,225	3.7	0.3	−5.8	−0.8	31.5	6.0	−11.0	40.1	−3.8	−3.7
Slaughtering and meat packing	60	1,292	1.2	17,099,968	4.5	2,963,682	2.1	25.0	84.0	20.9	25.0	99.8	7.2	36.0	127.1	45.2
Fertilizers	48	1,991	1.8	13,986,704	3.7	4,019,102	2.9	38.4	14.6	23.6	44.6	45.9	21.0	48.3	65.2	−10.8
Cars and general shop construction and repairs by steam-railroad companies	20	5,969	5.4	13,229,352	3.5	4,349,751	3.1	7.6	11.5	37.5	46.0	57.5	25.8	12.5	23.0	56.6
Lumber and timber products	493	6,115	5.5	11,911,455	3.2	5,729,616	4.1	−12.7	36.0	0.9	−1.8	35.8	13.9	1.8	39.6	15.2
Printing and publishing	368	4,173	3.7	11,262,962	3.0	7,547,522	5.4	23.2	14.0	−11.3	34.7	32.3	13.1	28.0	28.6	16.1
Foundry and machine-shop products	179	4,423	4.0	10,658,594	2.8	5,536,106	4.0	−7.8	−2.1	−12.8	−11.0	13.1	6.5	−8.1	−9.3	13.3
Flour-mill and gristmill products	247	473	0.4	8,163,869	2.2	1,245,309	0.9	−6.5	−8.0	10.0	−11.9	26.6	1.1	−1.6	14.2	−2.4
Bread and other bakery products	523	2,038	1.8	8,097,586	2.1	3,467,527	2.5	3.9	16.0	6.6	17.9	33.1	29.8	38.4	19.7	22.7
Liquors, distilled, whisky and brandy	21	274	0.2	7,259,230	1.9	5,715,416	4.1	−0.7	−9.2	63.4	35.4	108.9	58.8	35.7	260.7	45.8
Liquors, malt	14	1,073	1.0	7,251,866	1.9	5,085,722	3.7	18.0	10.9	9.0	27.5	14.6	20.1	23.4	12.4	12.6
Cotton goods	13	3,424	3.1	6,790,935	1.8	2,338,610	1.7	−13.7	−0.7	−15.5	23.0	5.3	−3.3	54.9	10.1	−42.4
Paper and wood pulp	13	1,586	1.4	6,149,505	1.6	2,023,778	1.5	27.0	23.9	7.6	25.7	48.5	27.3	25.2	91.7	−1.9
Clothing, women's	90	3,026	2.7	6,015,195	1.6	2,719,126	2.0	14.6	39.7	−13.1	38.2	36.2	19.0	31.6	38.1	14.0
Patent medicines and compounds and druggists' preparations	83	1,053	0.9	5,970,480	1.6	3,581,657	2.6	−11.7	22.9	0.8	7.6	14.7	49.1	5.9	12.7	50.5
Tobacco, cigars and cigarettes	217	3,212	2.9	5,361,600	1.4	2,907,345	2.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hats, straw	7	2,173	1.9	4,826,039	1.3	2,433,814	1.8	28.3	48.7	.....	44.3	64.4	.....	55.6	58.8	.....
Shipbuilding, including boat building	42	2,468	2.2	4,521,169	1.2	2,419,339	1.7	37.6	−35.3	7.4	27.9	−22.2	10.3	43.5	−38.8	18.3
Coffee and spice, roasting and grinding	14	169	0.2	4,393,338	1.2	1,219,439	0.9	.....	.....	.....	52.6	145.6	.....	172.7	84.0	.....
Gas, illuminating and heating	18	1,234	1.1	4,156,885	1.1	2,751,515	2.0	159.2	109.7	−4.2	29.0	61.6	11.0	6.1	68.9	16.7
Furniture	45	1,998	1.8	3,784,496	1.0	1,961,682	1.4	7.7	−18.6	22.0	13.0	−2.8	15.8	12.1	−4.0	3.2
Confectionery	65	1,442	1.3	3,763,524	1.0	1,306,841	0.9	−8.3	49.2	22.1	−25.9	94.1	34.9	−31.9	74.4	40.4
Leather, tanned, curried, and finished	10	440	0.4	3,485,016	0.9	856,106	0.6	−5.6	−12.2	16.7	31.0	39.2	9.0	56.5	27.8	24.8
Food preparations, not elsewhere specified	43	332	0.3	2,975,025	0.8	617,976	0.4	56.6	65.6	.....	59.7	361.1	62.2	97.4	100.6	24.8
Brushes	9	559	0.5	1,861,850	0.5	810,494	0.6	14.5	.....	.....	65.7	.....	.....	70.4	.....	.....
Marble and stone work	102	990	0.9	1,830,519	0.5	1,047,631	0.8	−32.0	33.4	−1.8	−24.6	8.2	55.6	−28.7	7.4	50.1
Brick, tile, terra-cotta, and fire-clay products	41	1,721	1.5	1,645,330	0.4	1,146,935	0.8	.....	.....	.....	.....	.....	.....	.....	.....	.....
Umbrellas and canes	8	484	0.4	1,601,874	0.4	614,502	0.4	−5.8	38.5	8.1	−2.9	29.8	15.8	7.1	21.9	34.6
Ice, manufactured	62	532	0.5	1,562,983	0.4	1,141,422	0.8	49.9	40.3	83.3	52.9	40.0	103.3	58.0	31.3	100.0
Glass	6	1,184	1.1	1,500,982	0.4	1,101,439	0.8	12.5	62.1	−12.5	44.6	75.9	5.7	37.4	85.8	6.2
Boots and shoes	7	595	0.5	1,447,174	0.4	622,746	0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carriages and wagons and materials	130	723	0.6	1,384,580	0.4	819,666	0.6	−4.5	−20.0	23.0	4.1	−10.4	49.8	3.9	0.3	−29.9
Boxes, fancy and paper	21	905	0.8	1,279,426	0.3	654,327	0.5	32.3	36.3	41.0	49.9	72.0	67.6	42.8	66.5	61.8
Brass and bronze products	15	392	0.4	1,173,364	0.3	420,127	0.3	79.0	104.7	−20.8	56.8	135.2	−11.7	32.9	132.4	−19.0
Furnishing goods, men's	15	561	0.5	1,142,429	0.3	530,979	0.4	28.7	−42.0	−63.0	27.6	−26.7	−36.7	32.4	−19.0	−43.0
Hosiery and knit goods	10	1,077	1.0	1,115,701	0.3	472,192	0.3	5.4	16.7	28.4	−4.8	23.1	85.2	−0.6	12.8	152.1
Confectionery (ice cream)	62	265	0.2	1,079,000	0.3	438,748	0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Paint and varnish	9	145	0.1	1,027,441	0.3	357,931	0.2	14.2	−30.2	50.0	2.5	47.0	34.3	19.0	11.5	30.4
Silk goods, including throwsters	5	874	0.8	910,882	0.2	487,367	0.4	33.4	274.3	.....	77.9	87.5	.....	77.1	169.6	.....
Paving materials	16	548	0.5	888,399	0.2	504,663	0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leather goods	54	244	0.2	813,209	0.2	355,293	0.3	−25.2	−25.4	−12.9	−22.1	3.1	0.8	−18.6	−14.0	28.4
Mattresses and spring beds	17	244	0.2	784,037	0.2	338,177	0.2	23.2	13.8	58.2	7.5	26.1	124.0	30.0	22.1	77.5
Cooperage, hogsheads and barrels	34	259	0.2	695,790	0.2	305,313	0.2	−19.8	−15.2	10.7	12.8	−19.3	19.7	17.8	−23.4	19.9
Woolen and worsted goods	3	349	0.3	692,914	0.2	230,768	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cars and general shop construction and repairs by electric-railroad companies	5	589	0.5	653,008	0.2	420,240	0.3	9.5	.....	.....	35.2	.....	.....	48.9	.....	.....
Stoves, hot-air furnaces, and ranges	7	302	0.3	650,323	0.2	404,599	0.3	−23.4	12.9	.....	−3.8	4.6	.....	−14.0	4.9	.....
Butter and condensed milk	32	61	0.1	583,310	0.2	120,150	0.1	.....	.....	−29.2	−10.9	26.0	−25.2	−7.7	8.3	−11.8
All other industries	614	13,190	11.8	97,741,985	25.9	20,339,249	14.7	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 37; a minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures can not be given.

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

Separate statistics are presented for 49 industries, or industry groups, for each of which products valued at more than $580,000 were reported for 1914. These industries include 2 with products exceeding $25,000,000 in value, 7 with products between $10,000,000 and $25,000,000, 9 with products between $5,000,000 and $10,000,000, 22 with products between $1,000,000 and $5,000,000, and 9 with products between $580,000 and $1,000,000. Among those included under the head of "all other industries" are the following which have products in excess of those shown in the table, but for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments: Babbitt metal and solder; bags, other than paper; bags, paper, not including bags made in paper mills; baking powders and yeast; cars, steam-railroad, not including operations of railroad companies; cement; chemicals; cordials and flavoring sirups; drug grinding; iron and steel, blast furnaces; iron and steel, steel works and rolling mills; musical instruments, pianos and organs and materials; nets and seines; petroleum, refining; smelting and refining, copper; sulphuric, nitric, and mixed acids; tin plate and terneplate; tobacco, chewing and smoking; and upholstering materials.

The industries in this table are arranged in the order of their importance as shown by value of products, but the arrangement would vary considerably from that given if based on average number of wage earners or value added by manufacture. Clothing, men's, including shirts, the leading industry of the state, was the only one which ranked the same in all three respects. Copper, tin, and sheet-iron products ranked second in value of products and in value added by manufacture, but third in average number of wage earners. Canning and preserving, third in value of products, was second in average number of wage earners and eighth in value added by manufacture. Slaughtering and meat packing, fourth in value of products, was nineteenth in average number of wage earners and thirteenth in value added by manufacture. Fertilizers, fifth in value of products, was fifteenth in average number of wage earners and tenth in value added by manufacture.

In rank, according to value of products, there were a number of changes in 1914 as compared with 1909. Of the more important industries shown in the table, clothing, men's, including shirts; copper, tin, and sheet-iron products; canning and preserving; and slaughtering and meat packing, held the same rank at both censuses. Fertilizers; cars and general shop construction and repairs by steam-railroad companies; lumber and timber products; printing and publishing; and foundry and machine-shop products, ranking fifth, sixth, seventh, eighth, and ninth, respectively, in 1914, were eighth, tenth, fifth, eleventh, and sixth, respectively, in 1909. For many of the remaining industries changes from census to census are noticeable.

Clothing.—This classification covers the making of men's and boys' ready-made clothing and of overalls, workmen's aprons, bathing suits, uniforms, the manufacture of shirts, shirt bosoms, and shirt waists for men and boys, and the making of all kinds of ready-made clothing for women, as suits, cloaks, dresses, shirt waists, undergarments, etc. Exclusive of the establishments engaged in the manufacture of shirts, for which this data are not available, the industry embraces 194 establishments using purchased materials and 149 that made clothing from materials furnished by others.

Detailed statistics for the manufacture of clothing, which is by far the most important industry of the state, are shown in Table 38. The two branches, men's clothing and women's clothing, furnished employment in 1914 to an average of 21,088 wage earners and turned out products valued at $45,063,070. These figures represent 18.9 per cent and 11.9 per cent, respectively, of the totals for the state.

During the five-year period 1909–1914 the number of wage earners decreased 6 per cent, but the value of products and value added by manufacture increased 9.2 per cent and 17.5 per cent, respectively.

In 1909 and 1914 Maryland ranked fifth among the states in the manufacture of clothing. It ranked fourth in both 1909 and 1914 in the production of men's clothing, while the rank of women's clothing advanced from eighth place in 1909 to seventh in 1914.

Baltimore is the center of the industry, 90.3 per cent of the establishments in the state being located there, and the value of clothing produced in this city formed 98.7 per cent of the total reported for the state.

Copper, tin, and sheet-iron products.—This industry, second in importance in the state, includes establishments which manufacture stamped and enameled ware and tinware. There was a marked growth in the industry for the five-year period 1904–1909, due largely to the increased production of stamped and enameled ware. This branch of the industry together with tinware also accounted for the continued growth of the industry for the later five-year period, when the value of products reported increased $8,581,674, or 50.8 per cent. During the same period the average number of wage earners increased 2,437, or 46.2 per cent, and the value added by manufacture, $2,672,885, or 43.8 per cent.

Canning and preserving.—This classification covers the canning and preserving of fruits, vegetables, fish, and oysters, and the manufacture of pickles, preserves, and sauces. The canning and preserving of fruits and vegetables formed the most important branch of the industry in Maryland in 1914, constituting 97.1 per cent of the value of products reported for the entire industry. During the five-year period 1909–1914, while the average number of wage earners increased only three-tenths of 1 per cent, the value of products and value added by manufacture showed decided

increases, 31.5 per cent and 40.1 per cent, respectively.

Slaughtering and meat packing.—This industry, embracing not only establishments doing wholesale slaughtering and meat packing but also those engaged primarily in the manufacture of sausage, ranked fourth among the industries of Maryland in 1914. During the decade 1904–1914 the average number of wage earners increased 730, or 129.9 per cent, the value of products, $10,251,995, or 149.7 per cent, and value added by manufacture, $2,003,256, or 208.6 per cent. The growth of the industry during the five-year period 1909–1914, while not so great as for the decade 1904–1914, or the five-year period 1904–1909, still shows decided increases for all items presented in the table.

Fertilizers.—The manufacture of fertilizers, the industry fifth in importance in the state, has developed rapidly since 1869, when 15 establishments reported a value of products amounting to $632,352. In 1914 there were 48 establishments engaged in this industry which employed an average of 1,991 wage earners and which had a value of products amounting to $13,986,704. During the five-year period 1909–1914 the average number of wage earners increased 552, or 38.4 per cent, the value of products, $4,313,918, or 44.6 per cent, and the value added by manufacture, $1,309,041, or 48.3 per cent.

Cars and general shop construction and repairs by steam-railroad companies.—This industry represents mainly repair work done in the car shops of steam-railroad companies, although there may be some new construction of rolling stock. In 1914, measured by value of products, it held sixth place among the industries of the state. During the five-year period 1909–1914 the average number of wage earners increased 420, or 7.6 per cent, the value of products $4,170,096, or 46 per cent, and value added by manufacture, $483,706, or 12.5 per cent.

Lumber and timber products.—This industry includes logging camps, which produce logs and bolts for use in sawmills, and pulp wood for use in paper mills; mills which saw rough lumber, shingles, and cooperage materials; planing mills which produce finished lumber, sash, doors, blinds, interior finish, and other millwork; and the manufacture of wooden packing boxes, and window and door screens. There was a decline in the industry for the five-year period 1909–1914. In 1914, as in 1909, the value of products reported by the planing mills formed the greatest proportion of the total value of products for the industry as a whole. Of the 493 establishments engaged in the combined industry, 42, principally box factories and planing mills, located in Baltimore, produced 42.6 per cent of the total value of products reported for the industry in the state.

Printing and publishing.—The printing and publishing of newspapers, books, and periodicals; job printing; bookbinding and blank-book making; engraving, steel and copper plate, including plate printing; and lithographing are included under this classification. The industry ranked eighth in the state in 1914 in regard to the value of products, seventh in the average number of wage earners, and third in value added by manufacture. The value of products increased $2,903,183, or 34.7 per cent, during the five-year period 1909–1914. In 1914 Maryland held fifteenth place among the states in average number of wage earners, value of products, and value added by manufacture in this industry.

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

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.				
		Total.	Male.	Female.	Per cent of total.	
					Male.	Female.
All classes	1914	131,391	95,356	36,035	72.6	27.4
	1909	125,489	91,239	34,250	72.7	27.3
Proprietors and officials	1914	8,464	8,191	273	96.8	3.2
	1909	8,574	8,321	253	97.0	3.0
Proprietors and firm members	1914	5,005	4,834	171	96.6	3.4
	1909	5,376	5,220	156	97.1	2.9
Salaried officers of corporations	1914	1,508	1,471	37	97.5	2.5
	1909	1,317	1,294	23	98.3	1.7
Superintendents and managers	1914	1,951	1,886	65	96.7	3.3
	1909	1,881	1,807	74	96.1	3.9
Clerks and other subordinate salaried employees.	1914	11,342	8,861	2,481	78.1	21.9
	1909	8,994	7,345	1,649	81.7	18.3
Wage earners (average number)	1914	111,585	78,304	33,281	70.2	29.8
	1909	107,921	75,573	32,348	70.0	30.0
16 years of age and over	1914	107,911	76,262	31,649	70.7	29.3
	1909	101,373	72,416	28,957	71.4	28.6
Under 16 years of age	1914	3,674	2,042	1,632	55.6	44.4
	1909	6,548	3,157	3,391	48.2	51.8

In 1914 the number of persons engaged in manufactures was 131,391, of whom 111,585, or 84.9 per cent, were wage earners; 8,464 were proprietors and officials; and 11,342 were clerks and other subordinate salaried employees. Of the wage earners 16 years of age and over, 76,262, or about 70 per cent, were males, and 31,649, or nearly 30 per cent, were females. Figures for the sex and age distribution of wage earners for individual industries will be found in Table 38.

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 for the two censuses.

Table 4

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.								
	Per cent of increase,[1] 1909–1914.			Per cent distribution.					
				Total.		Male.		Female.	
	Total.	Male.	Female.	1914	1909	1914	1909	1914	1909
All classes	4.7	4.5	5.2	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	−1.3	−1.6	7.9	6.4	6.8	8.6	9.1	0.8	0.8
Proprietors and firm members	−6.9	−7.4	9.6	3.8	4.3	5.1	5.7	0.5	0.5
Salaried officers of corporations	14.5	13.7	.....	1.1	1.0	1.5	1.4	0.1	0.1
Superintendents and managers	3.7	4.4	.....	1.5	1.5	2.0	2.0	0.2	0.2
Clerks and other subordinate salaried employees	26.1	20.6	50.5	8.6	7.2	9.3	8.1	6.9	4.8
Wage earners (average number)	3.4	3.6	2.9	84.9	86.0	82.1	82.8	92.3	94.4
16 years of age and over	6.4	5.3	9.3	82.1	80.8	80.0	79.4	87.8	84.5
Under 16 years of age	−43.9	−35.3	−51.9	2.8	5.2	2.1	3.5	4.5	9.9

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

This table shows an increase during the five-year period for each of the several classes of employees, with the exceptions of proprietors and firm members and wage earners under 16 years of age, in which groups there were decreases of 6.9 per cent and 43.9 per cent, respectively. The decrease in the number of proprietors and firm members is due primarily to changes in character of ownership, as shown by Table 18. A considerable number of establishments operated by individuals or firms in 1909 were subsequently incorporated and their owners were reported in 1914 as salaried officers of corporations, superintendents, and managers. The largest percentage of increase for both sexes combined, 26.1 per cent, is shown for clerks and other subordinate salaried employees. Wage earners under 16 years of age represented only 2.8 per cent of the total number of persons engaged in manufacturing industries in the state in 1914, as against 5.2 per cent in 1909.

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

Table 5

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	131,391	125,489	107,303	100.0	100.0	100.0	4.7	16.9
Proprietors and firm members	5,005	5,376	4,505	3.8	4.3	4.2	−6.9	19.3
Salaried employees	14,801	12,192	8,624	11.3	9.7	8.0	21.4	41.4
Wage earners (average)	111,585	107,921	94,174	84.9	86.0	87.8	3.4	14.6

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

With the exception of proprietors and firm members for the period 1909–1914 each of the three classes shown in this table, as well as the total for all classes combined, shows increases for both five-year periods, but the increases, both absolute and relative, are much greater for the earlier than for the later period.

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

Table 6

INDUSTRY.	Census year.	WAGE EARNERS.			
		Average number.[1]	Per cent of total.		
			16 years of age and over.		Under 16 years of age.
			Male.	Female.	
All industries	1914	111,585	68.3	28.4	3.3
	1909	107,921	67.1	26.8	6.1
	1904	94,174	67.4	26.7	5.9
Boxes, fancy and paper	1914	905	38.7	52.3	9.1
	1909	684	25.4	54.5	20.0
Bread and other bakery products	1914	2,038	84.0	12.9	3.2
	1909	1,962	86.7	7.7	5.6
Brick, tile, terra-cotta, and fire-clay products.	1914	1,721	98.5	.....	1.5
	1909	1,946	90.5	4.7	4.8
Canning and preserving	1914	8,640	35.2	58.5	6.2
	1909	8,613	34.6	51.9	13.5
Cars and general shop construction and repairs by steam-railroad companies.	1914	5,969	99.5	0.4	0.1
	1909	5,549	99.6	0.3	0.1
Clothing, men's, including shirts	1914	18,062	38.2	58.8	3.0
	1909	19,784	43.2	51.5	5.4
Clothing, women's	1914	3,026	26.1	73.0	0.9
	1909	2,641	21.0	76.9	2.0
Confectionery	1914	1,442	37.9	51.4	10.7
	1909	1,573	33.2	49.2	17.5
Copper, tin, and sheet-iron products	1914	7,712	76.6	16.4	7.0
	1909	5,275	72.5	16.2	11.3
Cotton goods	1914	3,424	50.1	43.0	6.9
	1909	3,966	41.6	42.5	15.9
Fertilizers	1914	1,991	99.5	0.5	.....
	1909	1,439	99.2	0.8	.....
Foundry and machine-shop products	1914	4,423	97.4	2.3	0.4
	1909	4,798	97.4	1.8	0.8
Furniture	1914	1,998	98.9	0.6	0.6
	1909	1,856	94.9	0.4	4.7
Gas, illuminating and heating	1914	1,234	99.4	0.1	0.5
	1909	476	100.0	.....	.....
Glass	1914	1,184	81.3	6.8	11.8
	1909	1,052	85.5	6.7	7.9
Hats, straw	1914	2,173	37.0	58.0	4.9
	1909	1,694	33.6	60.4	6.0
Hosiery and knit goods	1914	1,077	22.9	73.4	3.7
	1909	1,022	18.8	65.3	15.9

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

Table 6—Continued.

INDUSTRY.	Census year.	WAGE EARNERS. Average number.	Per cent of total. 16 years of age and over. Male.	Female.	Under 16 years of age.
Liquors, malt	1914	1,073	99.9	0.1	.....
	1909	909	98.5	0.7	0.9
Lumber and timber products	1914	6,115	96.6	1.1	2.3
	1909	7,003	91.3	3.8	4.9
Marble and stone work	1914	990	98.9	0.9	0.2
	1909	1,455	99.2	0.6	0.1
Paper and wood pulp	1914	1,586	90.5	9.3	0.1
	1909	1,249	87.5	12.3	0.2
Patent medicines and compounds and druggists' preparations.	1914	1,053	38.7	60.3	1.0
	1909	1,193	35.2	62.7	2.1
Printing and publishing	1914	4,173	83.0	14.1	2.9
	1909	3,386	80.9	13.3	5.8
Shipbuilding, including boat building	1914	2,468	99.4	0.3	0.3
	1909	1,793	98.4	.....	1.6
Silk goods, including throwsters	1914	874	36.5	41.4	22.1
	1909	655	29.6	42.3	28.1
Slaughtering and meat packing	1914	1,292	99.1	0.5	0.3
	1909	1,034	99.7	0.1	0.2
All other industries	1914	24,942	75.5	21.8	2.6
	1909	24,914	77.1	18.3	4.6

For all industries combined, the proportions which male and female wage earners 16 years of age and over represented of the totals show comparatively little variation during the 10 years, while the proportions which children under 16 years of age formed of the totals show a slight increase during the five-year period 1904–1909 but a decrease for the period 1909–1914. There was a decrease of 2,874 in the number of children employed in the manufactures of the state during the five-year period 1909–1914.

Of the 26 industries, for which separate figures are given in this table, 18 show increases from 1909 to 1914 in proportions of males and 16 increases in proportions of females, while in only 4, gas, illuminating and heating; glass; marble and stone work; and slaughtering and meat packing, were there increases in the proportions of children under 16 years of age. In 8 industries, boxes, fancy and paper; canning and preserving; clothing, men's, including shirts; clothing, women's; confectionery; hats, straw; hosiery and knit goods; and patent medicines and compounds and druggists' preparations, women constituted more than one-half of the total wage earners in 1914.

The largest proportions of females—almost 75 per cent—were employed in the manufacture of women's clothing and hosiery and knit goods. The highest proportions of children under 16 years of age were employed in the manufacture of silk goods, 22.1 per cent; glass, 11.8 per cent; and confectionery, 10.7 per cent. The greatest number of children, however, was employed in the manufacture of men's clothing.

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

Table 7

SEX AND AGE.	Census year.	AVERAGE NUMBER OF WAGE EARNERS IN— Baltimore.	Cumberland.	Frederick.	Hagerstown.
Total	1914	73,769	2,817	1,146	3,574
	1909	71,444	1,936	1,026	1,718
	1904	65,050	2,276	.....	2,210
16 years of age and over:					
Male	1914	45,503	2,416	854	2,737
	1909	44,258	1,578	762	978
	1904	41,398	2,006	.....	1,467
Female	1914	25,733	278	278	754
	1909	22,875	225	166	625
	1904	19,766	120	.....	614
Under 16 years of age	1914	2,533	123	14	83
	1909	4,311	133	98	115
	1904	3,886	150	.....	129
Per cent of total:					
16 years of age and over—					
Male	1914	61.7	85.8	74.5	76.6
	1909	61.9	81.5	74.3	56.9
	1904	63.6	88.1	.....	66.4
Female	1914	34.9	9.9	24.3	21.1
	1909	32.0	11.6	16.2	36.4
	1904	30.4	5.3	.....	27.8
Under 16 years of age	1914	3.4	4.4	1.2	2.3
	1909	6.0	6.9	9.6	6.7
	1904	6.0	6.6	.....	5.8

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.
Baltimore	1904–1914	13.4	9.9	30.2	−34.8
	1909–1914	3.3	2.8	12.5	−41.2
	1904–1909	9.8	6.9	15.7	10.9
Cumberland	1904–1914	23.8	20.4	131.7	−18.0
	1909–1914	45.5	53.1	23.6	−7.5
	1904–1909	−14.9	−21.3	87.5	−11.3
Frederick	1909–1914	11.7	12.1	67.5	.....
Hagerstown	1904–1914	61.7	86.6	22.8	−35.7
	1909–1914	108.0	179.9	20.6	−27.8
	1904–1909	−22.3	−33.3	1.8	−10.9

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

The proportion of male wage earners 16 years of age and over was greatly in excess of that for females in every city. The only city in which this proportion fell below 70 per cent in 1914 was Baltimore. Every city showed decreases from 1909 to 1914 in both numbers and proportions of wage earners under 16 years of age. The largest increase in number and proportion of male wage earners 16 years of age and over from 1909 to 1914 was shown for Hagerstown. Cumberland had the greatest proportion of male wage earners 16 years of age and over in 1914, 85.8 per cent.

In Baltimore, the largest city in the state, both in respect to population and manufactures, the proportion which males 16 years of age and over formed of the total wage earners decreased slightly from census

to census, while that of females 16 years of age and over increased slightly. The proportion which children under 16 years of age constituted of the total wage earners remained the same for 1909 as for 1904, but decreased from 1909 to 1914.

The greatest percentage of increase during the last five-year period and also for the decade 1904–1914 in the total number of wage earners is shown for Hagerstown and the next highest, for Cumberland.

The employment of children under 16 years of age shows a relative decrease for each period in every city for which percentages are given, except Baltimore, for the five-year period 1904-1909.

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

Table 9

MONTH.	WAGE EARNERS IN MANUFACTURING INDUSTRIES.					
	Number.[1]			Per cent of maximum.		
	1914	1909	1904	1914	1909	1904
January	106,837	95,070	83,104	79.5	71.3	70.3
February	106,899	97,225	81,876	79.5	73.0	69.3
March	108,456	99,541	85,819	80.7	74.7	72.6
April	110,167	100,753	88,383	81.9	75.6	74.8
May	110,968	103,000	91,732	82.5	77.3	77.6
June	110,879	105,652	94,476	82.5	79.3	79.9
July	107,202	105,116	92,272	79.7	78.9	78.1
August	123,844	124,505	111,171	92.1	93.4	94.1
September	134,437	133,268	118,190	100.0	100.0	100.0
October	118,633	118,475	106,826	88.2	88.9	90.4
November	101,335	106,932	89,559	75.4	80.2	75.8
December	99,363	105,514	86,680	73.9	79.2	73.3

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

For each of the three census years presented in the table August, September, and October show the greatest activity in the combined industries of the state, the maximum number of wage earners appearing for September for each year. This condition, for all industries combined, is largely due to the large number of employees in the canning industries, whose season is practically covered by the three months named. The winter months represented the season of least activity, the minimum number appearing for December in 1914, January in 1909, and February in 1904. The greatest difference between the maximum and minimum months in any one of the three census years was 38,198, or 28.7 per cent of the maximum in 1909.

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

Of the selected industries, canning and preserving, which ranked third in value of products, shows the greatest degree of fluctuation in employment, the number of wage earners in March being only 6.5 per cent of the number in September. The greatest stability of employment is shown for printing and publishing, the minimum number forming 96.7 per cent of the maximum. Of the four cities, Frederick shows the greatest fluctuation, the minimum number forming 61.2 per cent of the maximum for the city. For no other city was the corresponding percentage less than 80. The most constant employment of wage earners appears for Baltimore, for which the per cent of the maximum was 91.1; for the other two cities—Cumberland and Hagerstown—it was 84.5 and 83.8, respectively.

Table 10

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

INDUSTRY AND CITY.	Average number employed during year.	Number employed on 15th day of the month or nearest representative day.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	111,585	106,837	106,899	108,456	110,167	110,968	110,879	107,202	123,844	**134,437**	118,633	101,335	*99,363*	73.9
Boxes, fancy and paper	905	907	899	903	938	938	901	889	897	931	**938**	901	*818*	87.2
Bread and other bakery products	2,038	*1,939*	1,948	1,996	2,010	2,044	2,097	**2,111**	2,104	2,092	2,055	2,044	2,016	91.9
Brick, tile, terra-cotta, and fire-clay products	1,721	1,347	*1,323*	1,393	1,998	2,061	**2,113**	2,105	2,057	1,975	1,542	1,402	1,336	62.6
Canning and preserving	8,640	2,064	2,236	*2,029*	2,956	4,150	5,754	4,691	21,197	**31,347**	19,516	4,680	3,060	6.5
Cars and general shop construction and repairs by steam-railroad companies	5,969	6,310	**6,474**	5,706	5,672	5,783	5,812	6,118	6,096	6,346	6,225	6,013	*5,078*	78.4
Clothing, men's, including shirts	18,062	**19,913**	19,882	19,774	19,437	19,172	18,644	18,412	17,922	17,035	14,913	*14,782*	16,858	74.2
Clothing, women's	3,026	3,041	3,187	**3,258**	3,169	3,096	3,056	3,035	2,898	2,969	2,950	*2,803*	2,850	86.0
Confectionery	1,442	1,479	1,504	1,508	1,442	1,375	1,095	*1,027*	1,390	1,609	**1,686**	1,635	1,554	60.9
Copper, tin, and sheet-iron products	7,712	7,195	7,453	7,816	7,667	7,954	7,906	8,140	8,337	**8,342**	7,620	7,105	*7,009*	84.0
Cotton goods	3,424	3,414	3,430	3,386	3,725	3,379	3,358	*3,204*	3,251	3,261	3,324	3,552	**3,804**	84.2
Fertilizers	1,991	1,930	2,033	2,367	2,647	2,031	1,666	1,735	2,109	**2,648**	1,638	1,584	*1,504*	56.8
Foundry and machine-shop products	4,423	4,577	4,601	4,503	4,474	4,553	**4,719**	4,677	4,646	4,483	4,093	3,889	*3,861*	81.8
Furniture	1,998	2,015	**2,105**	2,101	2,069	2,064	2,018	1,876	1,994	2,016	1,953	1,910	*1,855*	88.1
Gas, illuminating and heating	1,234	1,164	1,068	1,247	1,323	**1,459**	1,419	1,241	*1,066*	1,138	1,300	1,240	1,143	73.1
Glass	1,184	1,357	**1,361**	1,350	1,318	1,317	1,201	1,020	*581*	1,088	1,217	1,203	1,195	42.7
Hats, straw	2,173	2,438	2,449	2,425	2,438	2,399	2,208	*550*	1,443	2,339	2,436	2,448	**2,503**	22.0
Hosiery and knit goods	1,077	1,152	1,166	1,179	1,193	1,216	**1,241**	1,024	986	966	939	956	*906*	73.0
Liquors, malt	1,073	1,047	1,048	1,040	1,040	1,078	1,135	**1,143**	1,137	1,118	1,070	1,018	*1,002*	87.7
Lumber and timber products	6,115	6,090	6,041	6,281	**6,521**	6,516	6,284	6,139	6,029	5,858	*5,817*	5,943	5,861	89.2

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.	
Marble and stone work	990	1,005	968	997	**1,046**	1,009	1,042	1,011	1,007	940	975	*929*	951	88.8
Paper and wood pulp	1,586	1,574	*1,500*	1,576	1,642	1,623	1,549	1,548	1,569	1,624	**1,662**	1,564	1,601	90.3
Patent medicines and compounds and druggists' preparations	1,053	**1,142**	1,116	1,094	1,056	1,053	1,023	1,010	997	1,062	1,064	1,043	*976*	85.5
Printing and publishing	4,173	4,175	4,156	4,172	4,188	4,192	4,158	4,147	*4,104*	4,141	**4,242**	4,181	4,220	96.7
Shipbuilding, including boat building	2,468	2,651	2,271	2,555	2,407	2,439	2,618	**2,681**	2,638	2,489	2,433	2,263	*2,171*	81.0
Silk goods, including throwsters	874	878	917	947	**960**	906	853	911	900	868	847	823	*678*	70.6
Slaughtering and meat packing	1,292	1,337	**1,344**	1,313	1,326	1,309	1,280	1,262	1,298	1,261	*1,240*	1,282	1,252	92.3
All other industries	24,942	24,696	24,419	25,540	25,505	**25,852**	25,729	25,495	25,191	24,491	24,938	24,142	*23,306*	90.2
Total for cities	81,306	81,841	82,398	81,827	82,190	83,307	82,190	79,968	82,677	**84,519**	80,956	77,262	*76,537*	90.6
BALTIMORE	73,769	74,088	74,605	74,240	74,749	75,812	74,584	72,660	74,852	**76,574**	73,360	69,972	*69,732*	91.1
CUMBERLAND	2,817	2,960	2,880	2,815	2,641	2,636	2,688	2,838	2,854	2,874	3,071	2,951	*2,596*	84.5
FREDERICK	1,146	1,059	1,053	1,039	1,065	1,097	1,152	1,053	1,591	1,538	1,124	1,007	*974*	61.2
HAGERSTOWN	3,574	3,734	**3,860**	3,733	3,735	3,762	3,766	3,417	3,380	3,533	3,401	3,332	*3,235*	83.8

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

The figures in the table, for the state as a whole, and for the selected industries, emphasize the tendency toward a shortening of the working day of wage earners. In 1909, 50,651, or nearly one-half of the total average number of wage earners for all industries combined, were employed in establishments where the prevailing hours of labor were 60 or more per week, whereas only 38,114, or about one-third, were so employed in 1914. On the other hand, the number of wage earners in establishments where the prevailing hours were fewer than 60 per week increased from 57,270, or 53.1 per cent of the total for the state, in 1909, to 73,471, or 65.8 per cent of the total, in 1914. During the five-year period there was a decided increase in the proportion of the two classes working less than 54 hours per week.

Among the separate industries, gas, illuminating and heating, shows the most pronounced decrease in hours of labor. In 1909, 4.8 per cent of the wage earners in this industry were employed in establishments where the hours of labor were 60 or fewer per week, but in 1914 the proportion thus employed had increased to 95.1 per cent. A trend in the same direction is noted in the fertilizer, paper and wood pulp, and canning and preserving industries.

In 1914, for all industries combined and for many of them separately, the greatest number of wage earners were employed in establishments in which the prevailing hours of labor were 60 per week. Bakeries, canning and preserving, confectionery, cotton goods, fertilizers, and silk goods reported more than half the number of their wage earners employed in establishments of this class. In only one industry, paper and wood pulp, were the working hours for a majority of the wage earners more than 60 per week. Breweries and printing and publishing establishments reported the majority of their wage earners working 48 hours and under. In the manufacture of women's clothing, glass, patent medicines and compounds and druggists' preparations, and shipbuilding the majority of wage earners were employed in establishments with prevailing hours between 48 and 54 per week. The glass industry reported all its wage earners employed in establishments where the prevailing hours were 54 or fewer per week.

Of the combined total average number of wage earners for the four cities in 1914, 77,553, or 95.4 per cent, were in establishments where the prevailing hours were 60 or less per week, while only, 3,753 were in establishments in which the hours were more than 60 per week. Baltimore and Frederick reported more than nine-tenths, Hagerstown, three-fourths, and Cumberland, three-fifths of their wage earners employed in establishments where the prevailing hours were 60 or less per week. The largest proportion in the 60-hour group is shown for Frederick. Cumberland and Hagerstown reported the highest proportions employed in establishments where the prevailing hours were more than 60 per week, 36.7 per cent and 24.8 per cent, respectively. On the other hand, Baltimore reported the highest proportion of wage earners employed 48 hours and under, 15.7 per cent.

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	111,585	14,583	20,508	18,238	20,142	29,942	5,341	1,579	1,252
	1909	107,921	6,166	13,229	16,274	21,601	41,574	6,103	1,974	1,000
Boxes, fancy and paper	1914	905	.....	91	188	279	347	.....	.....	.....
	1909	684	.....	49	218	238	179	.....	.....	.....
Bread and other bakery products	1914	2,038	103	19	226	55	1,337	177	85	36
	1909	1,962	73	315	161	273	836	148	140	16
Brick, tile, terra-cotta, and fire-clay products	1914	1,721	408	167	158	196	792	.....	.....	.....
	1909	1,946	426	.....	127	111	1,282	.....	.....	.....
Canning and preserving	1914	8,640	1,385	272	142	568	5,668	494	81	30
	1909	8,613	223	317	90	126	6,192	616	1,000	49
Cars and general shop construction and repairs by steam-railroad companies.	1914	5,969	2,499	.....	527	102	404	2,396	41	.....
	1909	5,549	21	.....	.....	3,163	1,596	769	.....	.....
Clothing, men's, including shirts	1914	18,062	1,481	7,944	6,792	1,191	272	382	.....	.....
	1909	19,784	368	4,965	4,776	5,340	4,324	10	1	.....
Clothing, women's	1914	3,026	611	1,864	397	154	.....	.....	.....	.....
	1909	2,641	311	383	742	782	423	.....	.....	.....
Confectionery	1914	1,442	70	79	135	406	752	.....	.....	.....
	1909	1,573	111	9	288	467	637	.....	61	.....
Copper, tin, and sheet-iron products	1914	7,712	269	1,532	1,492	1,708	2,711	.....	.....	.....
	1909	5,275	237	23	265	641	4,109	.....	.....	.....
Cotton goods	1914	3,424	.....	.....	.....	820	2,604	.....	.....	.....
	1909	3,966	.....	.....	.....	.....	3,966	.....	.....	.....
Fertilizers	1914	1,991	73	40	109	121	1,633	.....	.....	15
	1909	1,439	.....	3	30	.....	1,030	376	.....	.....
Foundry and machine-shop products	1914	4,423	738	931	1,026	708	1,020	.....	.....	.....
	1909	4,798	174	1,567	1,747	424	886	.....	.....	.....
Furniture	1914	1,998	26	180	607	792	393	.....	.....	.....
	1909	1,856	181	79	258	345	993	.....	.....	.....
Gas, illuminating and heating	1914	1,234	3	.....	.....	1,124	46	33	.....	28
	1909	476	1	.....	.....	6	16	8	4	441
Glass	1914	1,184	140	937	107	.....	.....	.....	.....	.....
	1909	1,052	181	482	389	.....	.....	.....	.....	.....
Hats, straw	1914	2,173	.....	.....	.....	1,642	531	.....	.....	.....
	1909	1,694	.....	.....	46	1,251	397	.....	.....	.....
Hosiery and knit goods	1914	1,077	.....	12	.....	1,001	64	.....	.....	.....
	1909	1,022	.....	.....	1	41	980	.....	.....	.....
Liquors, malt	1914	1,073	723	187	135	21	.....	7	.....	.....
	1909	909	316	185	384	.....	24	.....	.....	.....
Lumber and timber products	1914	6,115	174	317	909	1,730	2,896	10	79	.....
	1909	7,003	349	404	847	1,341	4,044	13	5	.....
Marble and stone work	1914	990	149	148	495	105	93	.....	.....	.....
	1909	1,455	263	146	598	267	181	.....	.....	.....
Paper and wood pulp	1914	1,586	.....	.....	51	.....	356	.....	1,179	.....
	1909	1,249	.....	.....	.....	.....	83	1,103	63	.....
Patent medicines and compounds and druggists' preparations	1914	1,053	376	608	40	18	11	.....	.....	.....
	1909	1,193	211	732	39	119	92	.....	.....	.....
Printing and publishing	1914	4,173	2,446	1,245	320	90	68	1	3	.....
	1909	3,386	1,170	1,082	679	240	215	.....	.....	.....
Shipbuilding, including boat building	1914	2,468	185	1,378	678	91	136	.....	.....	.....
	1909	1,793	74	32	464	1,056	167	.....	.....	.....
Silk goods, including throwsters	1914	874	.....	.....	170	118	586	.....	.....	.....
	1909	655	.....	.....	.....	.....	655	.....	.....	.....
Slaughtering and meat packing	1914	1,292	14	11	100	245	909	13	.....	.....
	1909	1,034	22	4	21	7	973	1	6	.....
All other industries	1914	24,942	2,710	2,546	3,434	6,857	6,313	1,828	111	1,143
	1909	24,914	1,454	2,452	4,104	5,363	7,294	3,059	694	494
Total for cities	1914	81,306	12,206	17,180	16,347	14,744	17,076	3,404	70	279
BALTIMORE	1914	73,769	11,565	16,677	15,714	12,452	15,591	1,473	38	259
CUMBERLAND	1914	2,817	419	409	277	126	553	1,025	.....	8
FREDERICK	1914	1,146	10	.....	52	764	256	43	9	12
HAGERSTOWN	1914	3,574	212	94	304	1,402	676	863	23	.....

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

During the 15 years covered by the table, the value of products for cities having a population of 10,000 or more each, and for districts outside of cities increased 66.5 per cent and 103.4 per cent, respectively. For

the same period the relative importance of manufactures, as measured by average number of wage earners, value of products, and value added by manufacture has increased for the districts outside the cities, while the proportion of the cities, as measured by these items, has decreased slightly. The proportions which the total average number of wage earners, value of products, and value added by manufacture, reported by the cities, formed of the corresponding items for the state were, however, much greater than those for the outside districts at each census period.

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	.....	4	.....	2	.....	1	.....	1	.....	.....	.....
	1910	.....	4	.....	3	.....	.....	.....	1	.....	.....	.....
	1900	.....	3	.....	2	.....	.....	.....	1	.....	.....	.....
Population [1]	1914	1,341,075	640,317	47.7	35,673	2.7	25,054	1.9	579,590	43.2	700,758	52.3
	1910	1,295,346	607,242	46.9	48,757	3.8	.....	.....	558,485	43.1	688,104	53.1
	1900	1,188,044	539,676	45.4	30,719	2.6	.....	.....	508,957	42.8	648,368	54.6
Number of establishments	1914	4,797	2,746	57.2	170	3.5	74	1.5	2,502	52.1	2,051	42.8
	1909	4,837	2,704	55.9	202	4.2	.....	.....	2,502	51.7	2,133	44.1
	1899	3,886	2,410	62.0	136	3.5	.....	.....	2,274	58.5	1,476	38.0
Average number of wage earners	1914	111,585	81,306	72.9	4,720	4.2	2,817	2.5	73,769	66.1	30,279	27.1
	1909	107,921	76,124	70.5	4,680	4.3	.....	.....	71,444	66.2	31,797	29.5
	1899	94,170	69,729	74.0	3,158	3.4	.....	.....	66,571	70.7	24,441	26.0
Value of products	1914	$377,749,078	$232,863,773	61.6	$10,579,634	2.8	$7,112,609	1.9	$215,171,530	57.0	$144,885,305	38.4
	1909	315,669,150	197,619,972	62.6	10,642,262	3.4	.....	.....	186,977,710	59.2	118,049,178	37.4
	1899	211,076,143	139,828,392	66.2	4,720,766	2.2	.....	.....	135,107,626	64,0	71,247,751	33.8
Value added by manufacture	1914	138,777,105	101,905,382	73.4	4,147,725	3.0	3,119,346	2.2	94,638,311	68.2	36,871,723	26.6
	1909	116,620,245	84,047,316	72.1	4,093,489	3.5	.....	.....	79,953,827	68.6	32,572,929	27.9
	1899	81,721,731	61,831,896	75.7	1,947,100	2.4	.....	.....	59,884,796	73.3	19,889,835	24.3

[1] Census estimate of population for 1914.

Comparisons for the cities or the districts outside are affected by the increase in the population of cities. Frederick had less than 10,000 inhabitants in 1900 and statistics for this city were therefore included with those for outside districts. In 1910 and 1900 Cumberland was included in the group of cities having a population of 10,000 to 25,000, but in 1914 it was placed in the group of cities having a population of 25,000 to 100,000.

The four cities, which represented 47.7 per cent of the estimated population of the state in 1914, reported 61.6 per cent of the total value of products, 73.4 per cent of the value added by manufacture, 72.9 per cent of the total average number of wage earners, and 57.2 per cent of the total number of establishments. With the exception of value of products, the corresponding proportions for 1909 were slightly less.

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

The four cities presented in this table show increases in both the average number of wage earners and the value of products from 1909 to 1914. Baltimore is the only city which showed an increase in both items for the five-year period 1904–1909. The three cities for which statistics can be given from 1904 to 1914 show a decided growth during this period. The percentages of increase for the average number of wage earners for Baltimore, Hagerstown, and Cumberland being 13.4, 61.7, and 23.8 per cent, while the percentages of increase for the value of products reported by them amounted to 43.3, 144.9, and 54.8 per cent, respectively.

Table 13

City.	Average number of wage earners.			Value of products.		
	1914	1909	1904	1914	1909	1904
Baltimore	73,769	71,444	65,050	$215,171,530	$186,977,710	$150,170,762
Hagerstown	3,574	1,718	2,210	7,412,397	3,197,242	3,026,901
Cumberland	2,817	1,936	2,276	7,112,609	4,534,077	4,595,023
Frederick	1,146	1,026	.....	3,167,237	2,910,943	.....

Baltimore is not only the most important manufacturing city in Maryland, but ranks eleventh in the value of products and eighth in average number of wage earners among the 130 leading cities of the United States. The value of its output in 1914 amounted to $215,171,530 and 73,769 wage earners were employed in its manufacturing industries. The average number of wage earners increased 3.3 per cent and total value of products 15.1 per cent during the period 1909–1914, as compared with 9.8 per cent and 24.5 per cent, respectively, for the preceding five-year period. The total value of products reported in 1914 represented 57 per cent of the total for all industries of the state.

The principal industries of Baltimore for which statistics can be presented, arranged in the order of value of products, are shown in the following table, which gives the absolute and relative increase from 1909 to 1914, and also the percentage which the value of products for each industry represents of the corresponding total for the state.

Table 14

INDUSTRY.	VALUE OF PRODUCTS: 1914.			
	Amount.	Per cent of total for the industry for the state.	Increase[1] over 1909.	
			Amount.	Per cent.
All industries	$215,171,530	57.0	$28,193,820	15.1
Clothing	44,482,136	98.7	3,879,753	9.6
Copper, tin, and sheet-iron products	18,842,186	73.9	6,009,277	46.8
Printing and publishing	10,283,775	91.3	2,731,080	36.2
Cars and general shop construction and repairs by steam-railroad companies	10,038,911	75.9	2,674,031	36.3
Slaughtering and meat packing	9,503,883	55.6	−577,689	−5.7
Canning and preserving	7,789,125	43.2	1,957,846	33.6
Foundry and machine-shop products	7,687,708	72.1	−1,386,017	−15.3
Bread and other bakery products	6,606,445	81.6	890,943	15.6
Fertilizers	6,200,678	44.3	1,150,894	22.8
Patent medicines and compounds and druggists' preparations	5,877,830	98.4	407,240	7.4
Lumber and timber products	5,073,393	42.6	268,520	5.6
Hats, straw	4,826,039	100.0	1,478,709	44.2
Liquors, malt	4,723,961	65.1	1,573,880	50.0
Coffee and spice, roasting and grinding	4,393,338	100.0	1,515,626	52.7
Confectionery	3,716,570	98.8	−1,294,683	−25.8
Furniture	2,732,118	72.2	534,879	24.3
Liquors, distilled, whisky	2,106,328	29.0	504,722	31.5
Umbrellas and canes	1,601,874	100.0	−47,936	−2.9
Marble and stone work	1,301,070	71.1	−403,335	−23.7
Shipbuilding, including boat building	1,274,744	28.2	403,274	46.3
Furnishing goods, men's	1,142,429	100.0	251,646	28.2
All other industries	54,966,979	35.1	5,671,160	11.5

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

The clothing industry, which embraces the manufacture of men's clothing, including shirts, and women's clothing, is the leading one of the city. The value of products reported in 1914, $44,482,136, formed 20.7 per cent of the total for all manufacturing industries in the city.

In addition to the 21 industries or industry groups presented for Baltimore in this table, there were a number included under the head of "all other industries," to avoid disclosing individual operations. Some of these were among the most important in the city, 14 reporting products in 1914 exceeding $1,000,000 in value.[1]

Hagerstown, the second city in the state as measured by value of products, reported an output valued at $7,412,397, an increase of $4,215,155, or 131.8 per cent, for the five-year period 1909–1914. The city has a variety of industries, the most important being the steam-railroad repair shops, flour mills and gristmills, and the manufacture of furniture, silk goods, hosiery and knit goods, and organs and organ materials.

[1] These industries are:

Bags, other than paper.
Boots and shoes.
Boxes, fancy and paper.
Brushes.
Cordials and flavoring sirups.
Cotton goods.
Drug grinding.
Food preparations, not elsewhere specified.
Gas, illuminating and heating.
Musical instruments, pianos and organs and materials.
Nets and seines.
Paint and varnish.
Tobacco manufactures.
Upholstering materials, curled hair.

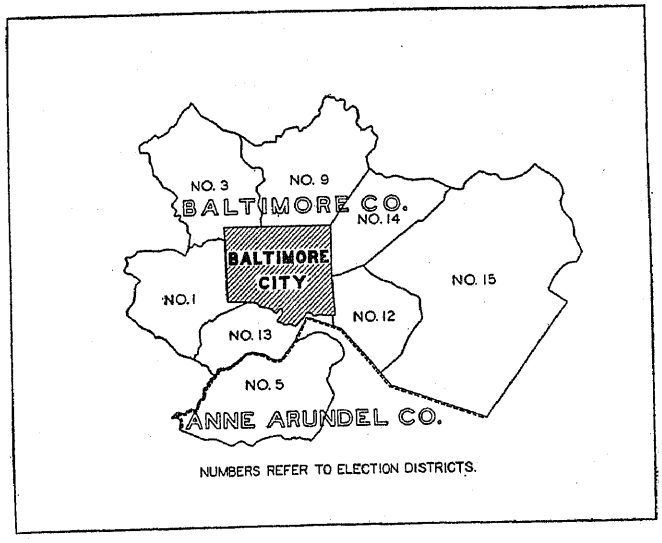
Cumberland had an increase of 56.9 per cent in its value of products and 45.5 per cent in average number of wage earners from 1909 to 1914. The industries of the city showed a marked growth during this period, as there was a decrease in both items for the preceding five-year period. The leading industries were the steam-railroad repair shops, flour mills and gristmills, steel works and rolling mills, and malt breweries, the tanning, currying, and finishing of leather, and the manufacture of tin plate and terneplate.

The chief industry of Frederick was its flour mills, the value of products representing 29 per cent of the total value reported for all industries of the city. The manufacture of brushes, the canning of vegetables, the manufacture of hosiery and knit goods, and the operations of planing mills, foundry and machine shops, and bakeries ranked next in the order named.

In 1914 each of the cities held the same rank in regard to the average number of wage earners employed as in the value of products.

Baltimore metropolitan district.—The metropolitan district of Baltimore embraces 184,660 acres, of which 19,290 acres constitute the area of Baltimore, and 165,370 acres the area of the outside territory. The estimated population of the city of Baltimore proper in 1914 was 579,590, and that of the outside territory 113,663, the total for the district being 693,253. The district comprises, in addition to the city of Baltimore, eight election districts, namely, districts 1, 3, 9, 12, 13, 14, and 15 in Baltimore County and district 5, in Anne Arundel County.

The accompanying outline map shows the boundaries of the district, its principal city, Baltimore, and the election districts, included.



Summary for the district.—Table 15 is a summary, for 1914, of the statistics of manufacturing industries, with a statement of the estimated population in 1914, for the Baltimore metropolitan district, for the city of Baltimore, and for the remainder of the district; the percentages which the figures for Baltimore

represent of the total for the district being shown for each item.

Table 15	BALTIMORE METROPOLITAN DISTRICT: 1914.			Per cent Baltimore is of total for district.
	The district.	Baltimore.	The district exclusive of Baltimore.	
Population [1]	693,253	579,590	113,663	83.6
Number of establishments	2,698	2,502	196	92.7
Persons engaged	100,211	87,453	12,758	87.3
Proprietors and firm members	2,690	2,548	142	94.7
Salaried employees	12,584	11,136	1,448	88.5
Wage earners (average number)	84,937	73,769	11,168	86.9
Primary horsepower	167,503	99,869	67,634	59.6
Capital	$230,565,831	$177,301,333	$53,264,498	76.9
Salaries and wages	57,929,244	48,977,823	8,951,421	84.5
Salaries	15,596,443	13,468,589	2,127,854	86.4
Wages	42,332,801	35,509,234	6,823,567	83.9
Paid for contract work	2,912,557	2,848,836	63,721	97.8
Rent and taxes (including internal revenue)	9,333,012	6,961,815	2,371,197	74.6
Cost of materials	200,323,203	120,533,219	79,789,984	60.2
Value of products	313,800,530	215,171,530	98,629,000	68.6
Value added by manufacture (value of products less cost of materials)	113,477,327	94,638,311	18,839,016	83.4

[1] Census estimate of population for 1914.

In 1914 the Baltimore metropolitan district had 2,698 manufacturing establishments, which gave employment to 100,211 persons during the year and paid out $57,929,244 in salaries and wages. Of the persons employed, 84,937 were wage earners. The establishments manufactured products to the value of $313,800,530, to produce which materials costing $200,323,203 were utilized. The value added by manufacture was thus $113,477,327. The Baltimore district ranked ninth in 1914 among the metropolitan districts of the United States in the value of its manufactured products.

Baltimore contained 83.6 per cent of the population of the district, of which it is the manufacturing, commercial, and financial center, and contributed 68.6 per cent of the value of products for the district. Its manufacturing establishments constituted over nine-tenths (92.7 per cent) of all in the district, and gave employment to nearly nine-tenths (86.9 per cent) of the wage earners.

The steel works, blast furnaces, steel shipbuilding plant, and coke ovens at Sparrows Point are among the most important in the United States, and large copper plants and a petroleum refinery are located at Canton. Petroleum refineries are also operated at East Brooklyn. None of these industries can be reported separately without disclosing the operations of individual establishments.

Comparative summary.—Table 16 gives statistics for the district for 1914 and 1909. Percentages of increase are shown for the territory included in the metropolitan district for the five-year period 1909–1914.

With the exception of proprietors and firm members, all items for which comparative statistics are given in the table show increases. Primary horsepower, salaries, salaried employees, cost of materials, value of products, and value added by manufacture show the largest relative increases.

Table 16	BALTIMORE METROPOLITAN DISTRICT.		Per cent of increase,[1] 1909–1914.
	1914	1909	
Population	[2] 693,253	[3] 658,715	5.2
Number of establishments	2,698	2,668	1.1
Persons engaged	100,211	94,954	5.5
Proprietors and firm members	2,690	2,790	−3.6
Salaried employees	12,584	10,339	21.7
Wage earners (average number)	84,937	81,825	3.8
Primary horsepower	167,503	125,080	33.9
Capital	$230,565,831	$199,735,181	15.4
Salaries and wages	57,929,244	48,585,334	19.2
Salaries	15,596,443	11,888,229	31.2
Wages	42,332,801	36,697,105	15.4
Paid for contract work	2,912,557	(4)	.....
Rent and taxes (including internal revenue)	9,333,012	(4)	.....
Cost of materials	200,323,203	165,085,541	21.3
Value of products	313,800,530	260,213,324	20.6
Value added by manufacture (value of products less cost of materials)	113,477,327	95,127,783	19.3

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

Comparative summary, by industries.—Table 17 gives statistics, for 1914 and 1909, for all industries combined and for selected industries of the metropolitan district having products valued at $1,000,000 or more, so far as separate figures can be presented.

Of the industries shown in the above table, copper, tin, and sheet-iron products, fertilizers, liquors (malt and distilled), and slaughtering and meat packing were the only ones which operated to any extent in that part of the district which is outside the corporate limits of Baltimore. The principal industry of the district was the manufacture of men's and women's clothing and its operations were confined entirely to the corporate limits of Baltimore.

While there was only an increase of 1.1 per cent in the number of establishments in the district from 1909 to 1914, and 3.8 per cent in the average number of wage earners employed, the value of products and value added by manufacture increased by 20.6 per cent and 19.3 per cent, respectively.

The greatest absolute and relative increase in value of products occurred in the copper, tin, and sheet-iron industry, in which the value of the output increased $10,853,081, or 75.6 per cent, over 1909. This industry also had the largest absolute gain in average number of wage earners employed, but the ice industry showed the highest relative gain, 85.6 per cent. A number of other industries also showed large absolute gains in value of products during the period 1909–1914, but only two—coffee and spice, roasting and grinding, and manufactured ice—had a relative gain of more than 50 per cent.

Table 17 COMPARATIVE SUMMARY FOR THE METROPOLITAN DISTRICT, BY SELECTED INDUSTRIES: 1914 AND 1909.

INDUSTRY.	Census year.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
All industries	1914	2,698	100,211	2,690	12,584	84,937	167,503	$230,565,831	$15,596,443	$42,332,801	$200,323,203	$313,800,530	$113,477,327
	1909	2,668	94,954	2,790	10,339	81,825	125,080	199,735,181	11,888,229	36,697,105	165,085,541	260,213,324	95,127,783
Bread and other bakery products.	1914	406	2,606	420	494	1,692	1,857	3,966,639	402,970	852,167	3,905,008	6,880,514	2,975,506
	1909	410	2,429	432	296	1,701	1,010	2,733,849	197,643	780,407	3,795,757	5,970,981	2,175,224
Canning and preserving	1914	54	3,820	55	321	3,444	2,078	4,257,033	307,875	1,060,485	5,867,716	8,038,013	2,170,297
	1909	57	3,893	58	264	3,571	2,368	4,325,220	266,053	936,271	4,821,265	6,526,225	1,704,960
Cars and general shop construction and repairs by steam-railroad companies.	1914	[1] 7	3,728	.....	238	3,490	3,328	2,797,693	239,750	2,361,655	7,430,622	10,038,911	2,608,289
	1909	[1] 8	4,481	.....	318	4,163	6,318	3,471,038	229,111	2,705,389	4,383,393	7,364,880	2,981,487
Clothing	1914	353	22,845	494	2,132	20,219	6,220	24,848,583	2,492,366	8,277,242	23,631,747	44,482,136	20,850,389
	1909	393	23,623	552	1,903	21,168	4,133	20,968,859	2,037,823	8,204,420	22,951,878	40,602,383	17,650,505
Coffee and spice, roasting and grinding.	1914	14	310	14	127	169	494	1,643,453	175,027	83,573	3,173,899	4,393,338	1,219,439
	1909	15	332	14	149	169	531	954,593	178,410	77,213	2,430,610	2,877,712	447,102
Confectionery	1914	60	1,767	59	276	1,432	1,419	2,302,058	308,897	459,919	2,431,613	3,716,570	1,284,957
	1909	50	1,867	45	258	1,564	1,416	2,700,836	277,460	458,707	3,116,803	5,011,253	1,894,950
Copper, tin, and sheet-iron products.	1914	105	8,513	103	779	7,631	7,227	22,688,786	1,103,963	4,046,348	16,503,496	25,203,316	8,699,820
	1909	65	5,265	58	528	4,679	4,642	21,646,215	685,039	1,868,361	9,350,634	14,350,235	4,999,601
Fertilizers	1914	19	2,194	6	413	1,775	6,761	14,915,008	572,835	963,448	8,884,730	12,576,084	3,691,354
	1909	16	1,460	5	227	1,228	3,685	7,989,458	374,553	542,662	6,175,708	8,469,656	2,293,948
Foundry and machine-shop products.	1914	120	4,590	94	666	3,830	6,637	10,281,325	811,385	2,387,919	4,561,693	9,421,066	4,859,373
	1909	111	5,040	99	508	4,433	5,708	9,323,414	665,348	2,582,872	5,427,002	10,961,564	5,534,562
Furnishing goods, men's	1914	15	678	19	98	561	94	625,603	99,157	191,523	611,450	1,142,429	530,979
	1909	23	543	30	79	434	50	395,207	67,200	137,453	491,754	890,783	399,029
Furniture	1914	[1] 34	1,560	44	152	1,364	1,787	2,556,490	195,807	732,867	1,230,692	2,732,118	1,501,426
	1909	[1] 34	1,358	48	153	1,157	1,786	1,824,983	145,388	547,704	1,013,534	2,197,239	1,183,705
Hats, straw	1914	7	2,323	3	147	2,173	1,307	2,590,897	506,896	1,040,024	2,392,225	4,826,039	2,433,814
	1909	7	1,808	4	110	1,694	930	2,607,298	295,635	687,648	1,783,214	3,347,330	1,564,116
Ice, manufactured	1914	16	425	4	59	362	8,203	2,559,801	85,007	230,968	288,566	1,127,917	839,351
	1909	[1] 12	242	1	46	195	5,102	1,964,302	65,482	151,028	222,110	693,828	471,718
Liquors	1914	20	1,357	3	231	1,123	7,991	14,117,717	502,120	988,355	2,963,508	11,184,073	8,220,565
	1909	28	1,242	8	224	1,010	7,605	11,359,001	464,328	746,420	2,196,661	8,699,297	6,502,636
Lumber and timber products	1914	52	2,510	41	233	2,236	7,440	3,369,515	344,189	1,098,189	3,251,775	5,573,664	2,321,889
	1909	58	2,501	62	204	2,235	6,147	3,062,107	217,208	971,147	3,284,547	5,230,404	1,945,857
Marble and stone work	1914	56	739	53	73	613	1,774	1,289,824	126,415	416,757	629,434	1,379,199	749,765
	1909	52	895	49	82	764	1,428	1,234,894	158,302	499,130	783,025	1,759,724	976,699
Patent medicines and compounds and druggists' preparations.	1914	[1] 71	1,759	56	669	1,034	1,337	4,427,586	820,678	420,451	2,336,727	5,877,830	3,541,103
	1909	[1] 71	1,813	53	580	1,180	667	4,056,157	744,013	425,844	2,136,457	5,470,590	3,334,133
Printing and publishing	1914	251	5,196	208	1,356	3,632	6,410	7,546,680	1,681,416	2,370,706	3,465,645	10,338,814	6,873,169
	1909	243	4,189	229	1,074	2,886	3,203	5,640,382	1,201,885	1,758,475	2,234,055	7,579,430	5,345,375
Slaughtering and meat packing	1914	56	1,580	59	268	1,253	3,752	4,518,970	376,014	768,148	13,789,871	16,739,320	2,949,449
	1909	52	1,316	60	227	1,029	2,976	3,776,659	264,194	601,631	11,479,830	13,653,693	2,173,863
Umbrellas and canes	1914	8	594	12	98	484	123	874,204	130,339	172,215	987,372	1,601,874	614,502
	1909	9	640	15	111	514	95	827,463	144,271	167,745	1,075,854	1,649,810	573,956
All other industries	1914	974	31,117	943	3,754	26,420	91,264	98,387,966	4,313,337	13,409,842	91,985,414	126,527,305	34,541,891
	1909	954	30,017	968	2,998	26,051	65,280	88,873,246	3,208,883	11,846,578	75,931,950	106,906,307	30,974,357

[1] Excludes statistics for establishments located outside the corporate limits of Baltimore, to avoid disclosure of individual operations. The figures for these establishments are included under the head of "all other industries."

Character of ownership.—Table 18 presents statistics concerning the character of ownership, or legal organization, of manufacturing enterprises. For all industries combined, comparative figures are given, for 1914, 1909, and 1904; for selected industries, statistics for 1914 and 1909 are shown, and for individual cities the figures are for all industries combined and relate to 1914 only. In order to avoid disclosing the operations of individual establishments, it is necessary to omit several important industries from this table.

The table shows, for all industries combined, an increase during the decade in the number of establishments throughout the state for those owned by individuals and corporations but a decrease for those controlled by other forms of ownership. The greatest proportion of the establishments—six-tenths of the total in 1914—is shown for those under individual ownership, but in value of products and average number of wage earners, those owned by corporations show much greater proportions. In 1914, although only 20.9 per cent of the total number of establishments in the state were under corporate ownership, this class reported 70.1 per cent of the total value of products and 61.3 per cent of the total average number

of wage earners. The proportions of average number of wage earners and value of products reported by corporations have been greater at each successive census. For both 1914 and 1909, with the exception of bread and other bakery products, men's clothing, women's clothing, and flour mills and gristmills, the largest proportion of the total value of products for each of the 11 industries, for which separate statistics are given, is shown for establishments under corporate ownership. This condition prevailed also for all industries combined, in each of the four cities both in regard to value of products and average number of wage earners employed. Here, however, a slightly greater proportion of the establishments, 22.4 per cent, for all the cities taken as a group, are under corporate ownership.

Table 18

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.							Value of products.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1914	2,879	1,004	914	111,585	15,831	68,380	27,374	14.2	61.3	24.5	$377,749,078	$44,428,028	$264,857,410	$68,463,640	11.8	70.1	18.1
	1909	2,917	873	1,047	107,921	16,826	59,676	31,419	15.6	55.3	29.1	315,669,150	41,522,912	207,102,289	67,043,949	13.2	65.6	21.2
	1904	2,242	650	960	94,174	15,248	48,597	30,329	16.2	51.6	32.2	243,375,996	32,833,690	147,744,248	62,798,058	13.5	60.7	25.8
Bread and other bakery products.	1914	484	9	30	2,038	1,161	747	130	57.0	36.7	6.4	8,097,586	4,684,853	3,006,478	406,255	57.9	37.1	5.0
	1909	473	11	32	1,962	1,069	752	141	54.5	38.3	7.2	6,868,479	4,069,129	2,207,427	591,923	59.2	32.1	8.6
Canning and preserving	1914	259	61	145	8,640	2,400	3,852	2,388	27.8	44.6	27.6	18,028,779	4,299,967	9,269,890	4,458,922	23.9	51.4	24.7
	1909	263	39	166	8,613	2,461	3,056	3,096	28.6	35.5	35.9	13,709,449	3,603,787	5,804,163	4,301,499	26.3	42.3	31.4
Cars and general shop construction and repairs by steam-railroad companies.	1914	.....	20	.....	5,969	.....	5,969	.....	.....	100.0	.....	13,229,352	.....	13,229,352	.....	.....	100.0	.....
	1909	.....	21	.....	5,549	.....	5,549	.....	.....	100.0	.....	9,059,256	.....	9,059,256	.....	.....	100.0	.....
Clothing, men's, including shirts.	1914	193	17	91	18,062	2,020	3,389	12,653	11.2	18.8	70.1	39,047,875	4,173,020	4,226,646	30,648,209	10.7	10.8	78.5
	1909	238	19	102	19,784	2,850	2,928	14,006	14.4	14.8	70.8	36,921,294	3,904,877	4,045,658	28,970,759	10.6	11.0	78.5
Clothing, women's	1914	45	13	32	3,026	813	675	1,538	26.9	22.3	50.8	6,015,195	1,656,204	1,250,095	3,108,896	27.5	20.8	51.7
	1909	31	7	34	2,641	384	524	1,733	14.5	19.8	65.6	4,351,263	741,618	716,450	2,893,195	17.0	16.5	66.5
Copper, tin, and sheet-iron products.	1914	59	31	24	7,712	229	6,767	716	3.0	87.7	9.3	25,491,121	503,653	23,163,678	1,823,790	2.0	90.9	7.2
	1909	32	30	19	5,275	330	4,721	224	6.3	89.5	4.2	16,909,447	902,988	15,273,562	732,897	5.3	90.3	4.3
Flour-mill and gristmill products.	1914	174	32	41	473	211	192	70	44.6	40.6	14.8	8,163,869	3,684,638	3,541,657	937,574	45.1	43.4	11.5
	1909	211	26	58	506	252	167	87	49.8	33.0	17.2	9,267,903	4,535,663	3,097,248	1,634,992	48.9	33.4	17.6
Foundry and machine-shop products.	1914	65	75	39	4,423	491	3,454	478	11.1	78.1	10.8	10,658,594	1,172,715	7,922,943	1,562,936	11.0	74.3	14.7
	1909	63	53	41	4,798	644	3,591	563	13.4	74.8	11.7	11,977,794	1,190,982	8,877,724	1,909,088	9.9	74.1	15.9
Lumber and timber products.	1914	311	69	113	6,115	1,585	3,103	1,427	25.9	50.7	23.3	11,911,455	2,261,583	7,198,838	2,451,034	19.0	60.4	20.6
	1909	331	64	166	7,003	1,941	2,714	2,348	27.7	38.8	33.5	12,134,202	2,274,567	5,758,984	4,100,651	18.7	47.5	33.8
Printing and publishing.	1914	185	121	62	4,173	654	2,363	1,156	15.7	56.6	27.7	11,262,962	1,288,359	6,714,733	3,259,870	11.4	59.6	28.9
	1909	209	92	70	3,386	824	1,834	728	24.3	54.2	21.5	8,359,779	1,529,883	4,748,180	2,081,716	18.3	56.8	24.9
Slaughtering and meat packing.	1914	36	12	12	1,292	444	758	90	34.4	58.7	7.0	17,099,968	6,290,152	9,034,854	1,774,962	36.8	52.8	10.4
	1909	36	8	10	1,034	319	591	124	30.9	57.2	12.0	13,682,951	4,740,752	7,281,770	1,660,429	34.6	53.2	12.1
Total for cities	1914	1,645	615	486	81,306	10,198	47,423	23,685	12.5	58.3	29.1	232,863,773	29,272,217	142,538,659	61,052,897	12.6	61.2	26.2
Baltimore	1914	1,535	531	436	73,769	9,307	42,135	22,327	12.6	57.1	30.3	215,171,530	26,143,884	130,979,044	58,048,602	12.2	60.9	27.0
Cumberland	1914	30	30	14	2,817	139	2,272	406	4.9	80.7	14.4	7,112,609	503,918	5,089,094	1,519,597	7.1	71.6	21.4
Frederick	1914	29	14	14	1,146	102	844	200	8.9	73.6	17.5	3,167,237	1,143,152	1,622,427	401,658	36.1	51.2	12.7
Hagerstown	1914	51	40	22	3,574	650	2,172	752	18.2	60.8	21.0	7,412,397	1,481,263	4,848,094	1,083,040	20.0	65.4	14.6

Cumberland showed the highest proportions for wage earners and value of products for establishments of this class.

Size of establishments.—The tendency for manufacturing to become concentrated in large establishments is indicated by the statistics given in Table 19.

Table 19

Value of product.	Number of establishments.			Average number of wage earners.			Value of products.			Value added by manufacture.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
All classes	4,797	4,837	3,852	111,585	107,921	94,174	$377,749,078	$315,669,150	$243,375,996	$138,777,105	$116,620,245	$93,351,930
Less than $5,000	1,671	1,689	1,249	2,623	3,040	2,250	4,202,520	4,227,777	3,165,660	2,571,279	2,547,434	1,800,851
$5,000 to $20,000	1,646	1,767	1,382	8,905	11,346	9,254	16,707,959	17,825,972	14,264,140	8,539,767	8,899,931	7,086,712
$20,000 to $100,000	969	899	821	18,296	18,244	18,627	44,122,614	38,980,483	36,907,882	19,827,983	17,364,553	17,035,164
$100,000 to $1,000,000	446	441	366	43,569	46,859	37,936	130,761,534	130,048,877	93,431,472	56,097,430	53,355,069	39,708,619
$1,000,000 and over	65	41	34	38,192	28,332	26,107	181,954,451	124,586,041	95,606,842	51,740,646	34,453,258	27,720,584
	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	34.8	34.9	32.4	2.4	2.8	2.4	1.1	1.3	1.3	1.8	2.2	1.9
$5,000 to $20,000	34.3	36.5	35.9	8.0	10.5	9.8	4.4	5.6	5.9	6.2	7.6	7.6
$20,000 to $100,000	20.2	18.6	21.3	16.4	17.0	19.8	11.7	12.3	15.2	14.3	14.9	18.2
$100,000 to $1,000,000	9.3	9.1	9.5	39.0	43.4	40.3	34.6	41.2	38.4	40.4	45.8	42.5
$1,000,000 and over	1.4	0.8	0.9	34.2	26.3	27.7	48.2	39.5	39.3	37.3	29.5	29.7

For 1914, 511 establishments, or 10.7 per cent of the total number in the state, each reported products exceeding $100,000 in value, as compared with 482, or 9.9 per cent of the total, for 1909, and 400, or 10.4 per cent, for 1904. For 1914 these establishments reported 73.2 per cent of the total average number of wage earners for the state, 82.8 per cent of the total value of products, and 77.7 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 34.8 per cent of the total number of establishments, reported only 1.1 per cent of the total value of products. For the establishments having products valued at $100,000 and over, the proportion of the total shows an increase at each successive census, from 77.7 per cent in 1904 to 80.7 per cent in 1909, and 82.8 per cent in 1914.

Table 20 gives, for 1914 and 1909, for 10 of the more important industries, a classification of establishments, wage earners, value of products, and value added by manufacture, similar to that presented in Table 19 for all industries combined.

For 1914, as compared with 1909, five of the industries—bread and other bakery products; copper, tin, and sheet-iron products; fertilizers; foundry and machine-shop products; and slaughtering and meat packing—showed increases in the number of establishments having products under $5,000 in value. Seven industries, having establishments with products valued at $100,000 and over, showed increases in average number of wage earners, eight in value of products, and eight in value added by manufacture. For five industries—canning and preserving; clothing, men's, including shirts; copper, tin, and sheet-iron products, flour-mill and gristmill products; and lumber and timber products—the large establishments reported higher proportions of the average number of wage earners, value of products, and value added by manufacture for 1914 than for 1909. The largest absolute increase in value of products for this class—$8,381,842—occurred in the copper, tin, and sheet-iron industry. This industry also had the largest absolute gain in average number of wage earners.

Table 20

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909
BREAD AND OTHER BAKERY PRODUCTS	523	516	100.0	100.0	2,038	1,962	100.0	100.0	$8,097,586	$6,868,479	100.0	100.0	$3,467,527	$2,505,380	100.0	100.0
Less than $5,000	206	182	39.4	35.3	122	100	6.0	5.1	614,190	533,880	7.6	7.8	276,614	209,615	8.0	8.4
$5,000 to $20,000	265	290	50.7	56.2	637	709	31.2	36.1	2,423,995	2,610,668	29.9	38.0	1,028,706	976,424	29.7	39.0
$20,000 to $100,000	46	35	8.8	6.8	466	339	22.8	17.3	1,660,473	1,228,172	20.5	17.9	617,669	432,536	17.8	17.3
$100,000 and over	[1] 6	9	1.1	1.7	813	814	40.0	41.5	3,398,928	2,495,759	42.0	36.3	1,544,538	886,805	44.5	35.4
CANNING AND PRESERVING	465	468	100.0	100.0	8,640	8,613	100.0	100.0	18,028,779	13,709,449	100.0	100.0	5,071,225	3,619,815	100.0	100.0
Less than $5,000	81	108	17.4	23.1	234	337	2.7	3.9	248,679	299,657	1.4	2.2	82,594	92,457	1.6	2.6
$5,000 to $20,000	213	229	45.8	48.9	1,678	2,087	19.4	24.2	2,532,333	2,495,053	14.0	18.2	749,108	657,666	14.8	18.2
$20,000 to $100,000	140	108	30.1	23.1	2,726	2,572	31.6	29.9	5,537,944	4,095,044	30.7	29.9	1,576,595	1,090,008	31.1	30.1
$100,000 and over	[1] 31	23	6.7	4.9	4,002	3,617	46.3	42.0	9,709,823	6,819,695	53.9	49.7	2,662,928	1,779,684	52.5	49.2
CLOTHING, MEN'S, INCLUDING SHIRTS	301	359	100.0	100.0	18,062	19,784	100.0	100.0	39,047,875	36,921,294	100.0	100.0	18,449,758	15,955,219	100.0	100.0
Less than $5,000	94	94	31.2	26.2	480	485	2.6	2.5	245,249	308,467	0.6	0.8	226,459	283,473	1.2	1.8
$5,000 to $20,000	100	156	33.2	43.5	1,299	2,387	7.2	12.1	894,363	1,522,271	2.3	4.1	751,746	1,280,547	4.1	8.0
$20 000 to $100,000	55	51	18.3	14.2	754	946	4.2	4.8	2,735,543	2,276,513	7.0	6.2	1,297,543	1,068,072	7.0	6.7
$100,000 to $1,000,000	42	51	14.0	14.2	3,592	5,879	19.9	29.7	11,857,184	15,488,342	30.4	41.9	5,137,055	5,958,680	27.9	37.3
$1,000,000 and over	10	7	3.3	1.9	11,937	10,087	66.1	51.0	23,315,536	17,325,701	59.7	46.9	11,036,955	7,364,447	59.8	46.2
COPPER, TIN, AND SHEET-IRON PRODUCTS	114	81	100.0	100.0	7,712	5,275	100.0	100.0	25,491,121	16,909,447	100.0	100.0	8,774,183	6,101,298	100.0	100.0
Less than $5,000	41	17	36.0	21.0	34	24	0.4	0.5	91,001	53,333	0.3	0.3	60,796	30,328	0.7	0.5
$5,000 to $20,000	30	21	26.3	25.9	161	108	2.1	2.0	326,975	223,938	1.3	1.3	200,711	119,167	2.3	2.0
$20,000 to $100,000	21	19	18.4	23.5	340	397	4.4	7.5	888,037	828,910	3.5	4.9	404,511	368,349	4.6	6.0
$100,000 to $1,000,000	13	18	11.4	22.2	1,031	1,421	13.4	26.9	2,997,618	4,642,049	11.8	27.5	1,214,341	1,357,134	13.8	22.2
$1,000,000 and over	9	6	7.9	7.4	6,146	3,325	79.7	63.0	21,187,490	11,161,217	83.1	66.0	6,893,824	4,226,320	78.6	69.3
FERTILIZERS	48	41	100.0	100.0	1,991	1,439	100.0	100.0	13,986,704	9,672,786	100.0	100.0	4,019,102	2,710,061	100.0	100.0
Less than $5,000	5	3	10.4	7.3	5	3	0.3	0.2	16,761	10,540	0.1	0.1	4,086	4,535	0.1	0.2
$5,000 to $20,000	12	11	25.0	26.8	37	20	1.8	1.4	133,100	109,844	1.0	1.1	43,801	36,892	1.1	1.4
$20,000 to $100,000	12	11	25.0	26.8	148	91	7.4	6.3	1,197,864	512,815	8.6	5.3	304,624	201,731	7.6	7.4
$100,000 and over [1]	19	16	39.6	39.0	1,801	1,325	90.5	92.1	12,638,979	9,039,587	90.4	93.5	3,666,591	2,466,903	91.2	91.0
FLOUR-MILL AND GRISTMILL PRODUCTS	247	295	100.0	100.0	473	506	100.0	100.0	8,163,869	9,267,903	100.0	100.0	1,245,309	1,264,930	100.0	100.0
Less than $5,000	57	62	23.1	21.0	16	13	3.4	2.6	168,998	166,649	2.1	1.8	47,330	31,442	3.8	2.5
$5,000 to $20,000	111	141	44.9	47.8	103	125	21.8	24.7	1,208,918	1,580,651	14.8	17.1	267,419	288,210	21.5	22.8
$20,000 to $100,000	66	80	26.7	27.1	178	204	37.6	40.3	2,720,867	3,218,307	33.3	34.7	448,121	459,866	36.0	36.4
$100,000 and over [1]	13	12	5.3	4.1	176	164	37.2	32.4	4,065,086	4,302,296	49.8	46.4	482,439	485,412	38.7	38.4

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

Table 20—Continued.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909
FOUNDRY AND MACHINE-SHOP PRODUCTS	179	157	100.0	100.0	4,423	4,798	100.0	100.0	$10,658,594	$11,977,794	100.0	100.0	$5,536,106	$6,021,303	100.0	100.0
Less than $5,000	48	36	26.8	22.9	73	66	1.7	1.4	118,550	96,241	1.1	0.8	85,875	64,548	1.6	1.1
$5,000 to $20,000	52	47	29.0	29.9	270	249	6.1	5.2	541,368	470,480	5.1	3.9	354,685	290,541	6.4	4.8
$20,000 to $100,000	56	51	31.3	32.5	1,262	1,177	28.5	24.5	2,512,332	2,372,899	23.6	19.8	1,527,926	1,390,875	27.6	23.1
$100,000 and over [1]	23	23	12.9	14.6	2,818	3,306	63.7	68.9	7,486,344	9,038,174	70.2	75.5	3,567,620	4,275,339	64.4	71.0
LUMBER AND TIMBER PRODUCTS	493	561	100.0	100.0	6,115	7,003	100.0	100.0	11,911,455	12,134,202	100.0	100.0	5,729,616	5,627,203	100.0	100.0
Less than $5,000	255	281	51.7	50.1	563	751	9.2	10.7	550,921	616,050	4.6	5.1	400,183	430,098	7.0	7.6
$5,000 to $20,000	147	181	29.8	32.3	1,096	1,743	17.9	24.9	1,436,902	1,728,309	12.1	14.2	925,250	1,122,411	16.1	19.9
$20,000 to $100,000	60	68	12.2	12.1	1,557	1,793	25.5	25.6	2,781,537	2,941,831	23.3	24.2	1,194,708	1,349,725	20.9	24.0
$100,000 to $1,000,000	31	31	6.3	5.5	2,899	2,716	47.4	38.8	7,142,095	6,848,012	60.0	56.4	3,209,475	2,724,969	56.0	48.4
PRINTING AND PUBLISHING	368	371	100.0	100.0	4,173	3,386	100.0	100.0	11,262,962	8,359,779	100.0	100.0	7,547,522	5,895,391	100.0	100.0
Less than $5,000	167	187	45.4	50.4	225	289	5.4	8.5	417,203	459,991	3.7	5.5	325,918	346,251	4.3	5.9
$5,000 to $20,000	117	120	31.8	32.3	635	696	15.2	20.6	1,171,425	1,206,519	10.4	14.4	876,582	870,178	11.6	14.8
$20,000 to $100,000	66	49	17.9	13.2	1,316	1,091	31.5	32.2	3,401,595	2,046,028	30.2	24.5	2,364,783	1,381,108	31.3	23.4
$100,000 and over	[1] 18	15	4.9	4.0	1,997	1,310	47.9	38.7	6,272,739	4,647,241	55.7	55.6	3,980,239	3,297,854	52.8	55.9
SLAUGHTERING AND MEAT PACKING	60	54	100.0	100.0	1,292	1,034	100.0	100.0	17,099,968	13,682,951	100.0	100.0	2,963,682	2,180,335	100.0	100.0
Less than $20,000 [2]	15	13	25.0	24.1	22	19	1.7	1.8	153,887	167,909	0.9	1.2	40,495	35,750	1.4	1.6
$20,000 to $100,000	24	24	40.0	44.4	119	97	9.2	9.4	1,270,449	1,123,860	7.4	8.2	176,088	167,107	5.9	7.7
$100,000 to $1,000,000	15	12	25.0	22.2	450	317	34.8	30.7	5,693,555	5,151,358	33.3	37.6	715,948	942,846	24.2	43.2
$1,000,000 and over	6	5	10.0	9.3	701	601	54.3	58.1	9,982,077	7,239,824	58.4	52.9	2,031,151	1,034,632	68.5	47.5

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

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

Table 21 presents, for 1914, for all industries combined in each of the four cities having more than 10,000 inhabitants, statistics similar to those given in Table 19 for the state as a whole.

Table 21

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.
BALTIMORE	2,502	73,769	100.0	$215,171,530	100.0	$94,638,311	100.0
Less than $5,000	840	1,079	1.4	2,092,563	1.0	1,359,231	1.4
$5,000 to $20,000	761	3,974	5.4	7,763,571	3.6	4,547,555	4.8
$20,000 to $100,000	545	10,146	13.8	26,576,067	12.4	13,127,927	13.9
$100,000 to $1,000,000	311	30,239	41.0	86,581,521	40.2	37,689,925	39.8
$1,000,000 and over	45	28,331	38.4	92,157,808	42.8	37,913,673	40.1
CUMBERLAND	74	2,817	100.0	7,112,609	100.0	3,119,346	100.0
Less than $5,000	17	25	0.9	43,348	0.6	24,257	0.8
$5,000 to $20,000	24	123	4.4	261,774	3.7	133,262	4.3
$20,000 to $100,000	20	403	14.3	947,222	13.3	364,914	11.7
$100,000 and over [1]	13	2,266	80.4	5,860,265	82.4	2,596,913	83.3
FREDERICK	57	1,146	100.0	3,167,237	100.0	1,053,010	100.0
Less than $5,000	16	29	2.5	43,935	1.4	28,990	2.7
$5,000 to $20,000	15	74	6.5	161,346	5.1	84,277	8.0
$20,000 to $100,000	19	308	26.9	641,266	20.2	316,657	30.1
$100,000 to $1,000,000	7	735	64.1	2,320,690	73.3	623,086	59.2
HAGERSTOWN	113	3,574	100.0	7,412,397	100.0	3,094,715	100.0
Less than $5,000	26	40	1.1	66,005	0.9	34,882	1.1
$5,000 to $20,000	36	174	4.9	393,962	5.3	216,847	7.0
$20,000 to $100,000	37	903	25.3	1,918,878	25.9	857,089	27.7
$100,000 and over [1]	14	2,457	68.7	5,033,552	67.9	1,985,897	64.2

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

For 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 highest proportions of total value of products reported by establishments of this class, 83 per cent and 82.4 per cent, appear for Baltimore and Cumberland, respectively, and the lowest, 67.9 per cent, is shown for Hagerstown.

Table 22 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 26 of the more important industries, and for each of the 4 cities having more than 10,000 inhabitants.

Table 23 presents, for 1914, percentages based on the figures in Table 22, and for 1909 similar percentages for all industries combined and for individual industries in the state as a whole.

Of the total number of establishments for all industries combined, 600, or 12.5 per cent, employed no wage earners in 1914. These are small establishments, in which the work is done by the proprietors, firm members, or persons classed as salaried employees. If wage earners were employed, the number was so small and the term of employment so short that in computing the average, as described in the "Explanation of terms," the number was less than one person, and the establishment was classed as one having "no wage earners." The small establishments predominate in a majority of the industries of the state.

Table 22

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																	
			No. wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.		51 to 100 wage earners.		101 to 250 wage earners.		251 to 500 wage earners.		501 to 1,000 wage earners.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	4,797	111,585	600	2,304	5,532	1,117	12,412	388	12,555	162	11,624	153	23,382	45	15,540	12	8,357	16	22,183
Boxes, fancy and paper	21	905	.....	3	10	6	94	6	240	3	233	3	328	.....	.....	.....	.....	.....	.....
Bread and other bakery products	523	2,038	121	348	709	47	491	3	66	1	73	2	343	1	356	.....	.....	.....	.....
Brick, tile, terra-cotta, and fire-clay products	41	1,721	1	11	30	12	132	8	318	6	415	.....	.....	3	826	.....	.....	.....	.....
Canning and preserving	465	8,640	7	155	532	215	2,390	63	1,913	12	950	10	1,740	3	1,115	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies	20	5,969	.....	.....	.....	6	72	3	110	1	55	4	563	2	563	2	1,289	2	3,317
Clothing, men's, including shirts	301	18,062	16	98	299	115	1,272	41	1,377	6	423	12	1,732	5	1,880	2	1,730	6	9,349
Clothing, women's	90	3,026	5	11	42	36	478	19	606	11	772	8	1,128	.....	.....	.....	.....	.....	.....
Confectionery	65	1,442	8	30	78	14	152	5	137	2	157	6	918	.....	.....	.....	.....	.....	.....
Copper, tin, and sheet-iron products	114	7,712	16	48	113	27	313	7	251	3	196	3	426	5	1,994	3	2,185	2	2,234
Cotton goods	13	3,424	.....	.....	.....	2	25	1	43	.....	.....	6	909	2	580	1	576	1	1,291
Fertilizers	48	1,991	.....	21	46	11	140	5	182	5	373	5	774	1	476	.....	.....	.....	.....
Foundry and machine-shop products	179	4,423	12	69	186	52	594	23	750	13	881	7	1,028	3	984	.....	.....	.....	.....
Furniture	45	1,998	.....	11	40	12	149	7	242	8	528	7	1,039	.....	.....	.....	.....	.....	.....
Gas, illuminating and heating	18	1,234	1	10	24	5	66	1	23	.....	.....	.....	.....	.....	.....	.....	.....	1	1,121
Glass	6	1,184	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	830	1	354	.....	.....	.....	.....
Hats, straw	7	2,173	.....	.....	.....	1	7	.....	.....	1	57	2	279	1	360	2	1,470	.....	.....
Hosiery and knit goods	10	1,077	1	1	4	1	12	.....	.....	4	297	2	458	1	306	.....	.....	.....	.....
Liquors, malt	14	1,073	.....	2	7	1	7	3	110	5	340	2	272	1	337	.....	.....	.....	.....
Lumber and timber products	493	6,115	15	292	704	128	1,329	27	889	20	1,532	10	1,358	1	303	.....	.....	.....	.....
Marble and stone work	102	990	14	61	115	18	177	4	138	3	212	2	348	.....	.....	.....	.....	.....	.....
Paper and wood pulp	13	1,586	.....	2	6	4	39	3	107	1	51	2	330	.....	.....	.....	.....	1	1,053
Patent medicines and compounds and druggists' preparations	83	1,053	22	40	102	13	125	4	107	2	110	1	136	1	473	.....	.....	.....	.....
Printing and publishing	368	4,173	64	181	476	81	854	25	761	8	511	8	1,317	1	254	.....	.....	.....	.....
Shipbuilding, including boat building	42	2,468	6	12	27	10	127	9	281	1	66	2	340	1	255	.....	.....	1	1,372
Silk goods, including throwsters	5	874	.....	1	1	.....	.....	.....	.....	.....	.....	3	508	1	365	.....	.....	.....	.....
Slaughtering and meat packing	60	1,292	2	32	77	12	123	6	231	6	497	2	364	.....	.....	.....	.....	.....	.....
All other industries	1,651	24,942	289	865	1,904	288	3,244	115	3,673	40	2,895	39	5,914	11	3,759	2	1,107	2	2,446
Total for cities	2,746	81,306	391	1,171	2,919	643	7,535	257	8,459	116	8,275	110	16,711	35	12,474	11	7,621	12	17,312
BALTIMORE	2,502	73,769	376	1,069	2,635	567	6,434	234	7,785	104	7,499	98	14,348	33	11,913	10	6,859	11	16,296
CUMBERLAND	74	2,817	3	33	96	23	235	5	142	5	366	3	706	1	256	.....	.....	1	1,016
FREDERICK	57	1,146	4	24	59	19	221	4	107	3	171	3	588	.....	.....	.....	.....	.....	.....
HAGERSTOWN	113	3,574	8	45	129	34	645	14	425	4	239	6	1,069	1	305	1	762	.....	.....

The group of establishments employing from 1 to 20 wage earners, which represented 71.3 per cent of the total number of establishments, reported 17,944 wage earners, or only 16.1 per cent of the total number of wage earners in the state. On the other hand, the groups of establishments having more than 100 employees, while comprising but 4.7 per cent of the total number of establishments, employed 69,462, or 62.3 per cent of the total wage earners.

A comparison of the 26 industries shown in this table establishes the fact that 16 of the number reported a majority of their wage earners in establishments giving employment to more than 100 wage earners. In the glass industry, the entire number—1,184—were in establishments of this character. The textile industries, cotton goods, hosiery and knit goods, and silk goods reported 98 per cent, 70.9 per cent, and 99.9 per cent, respectively, of their wage earners employed in these large establishments. Cars and general shop construction and repairs by steam-railroad companies; clothing, men's, including shirts; gas, illuminating and heating; hats, straw; and paper and wood pulp reported more than three-fifths of their wage earners employed in establishments giving employment to more than 500 wage earners.

As among the industries, the cities reported the highest proportions of their establishments employing 1 to 20 wage earners, but in no city did the average number of wage earners working in these small establishments equal 25 per cent of the total number of wage earners employed. The proportions of the total number of wage earners reported by establishments employing more than 100 wage earners were as follows: Cumberland, 70.2 per cent; Baltimore, 66.9; Hagerstown, 59.7 per cent; and Frederick, 51.3 per cent. In Baltimore and Cumberland, about one-third, and in Hagerstown over one-fifth, of the total number of wage earners were working in establishments employing over 500 wage earners.

Table 23

INDUSTRY AND CITY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.							
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
All industries	1914	5.0	11.1	11.3	10.4	21.0	13.9	7.5	19.9
	1909	5.2	12.0	12.2	12.1	18.4	13.3	14.5	12.2
Boxes, fancy and paper	1914	1.1	10.4	26.5	25.7	36.2	.....	.....	.....
	1909	1.9	3.7	34.2	44.6	15.6	.....	.....	.....
Bread and other bakery products.	1914	34.8	24.1	3.2	3.6	16.8	17.5	.....	.....
	1909	39.6	18.8	6.6	12.0	7.9	15.2	.....	.....
Brick, tile, terra-cotta, and fire-clay products.	1914	1.7	7.7	18.5	24.1	.....	48.0	.....	.....
	1909	2.3	10.4	19.6	19.6	32.9	15.2	.....	.....
Canning and preserving	1914	6.2	27.7	22.1	11.0	20.1	12.9	.....	.....
	1909	6.9	27.0	17.2	11.9	20.8	16.2	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	.....	1.2	1.8	0.9	9.4	9.4	21.6	55.6
	1909	0.2	1.1	.....	2.4	19.6	11.1	24.2	41.5
Clothing, men's, including shirts	1914	1.7	7.0	7.6	2.3	9.6	10.4	9.6	51.8
	1909	1.3	9.5	8.3	4.9	9.1	7.0	21.4	38.4
Clothing, women's	1914	1.4	15.8	20.0	25.5	37.3	.....	.....	.....
	1909	1.4	15.9	15.0	23.1	4.7	39.9	.....	.....
Confectionery	1914	5.4	10.5	9.5	10.9	63.7	.....	.....	.....
	1909	3.8	8.8	12.8	8.8	65.9	.....	.....	.....
Copper, tin, and sheet-iron products.	1914	1.5	4.0	3.3	2.5	5.5	25.9	28.3	29.0
	1909	1.8	3.4	11.0	4.0	10.6	28.3	40.9	.....
Cotton goods	1914	.....	0.7	1.3	.....	26.5	16.9	16.8	37.7
	1909	.....	1.0	2.2	2.0	20.2	26.8	19.1	28.6
Fertilizers	1914	2.3	7.0	9.1	18.7	38.9	23.9	.....	.....
	1909	3.6	6.0	10.4	24.6	31.1	24.3	.....	.....
Foundry and machine-shop products.	1914	4.2	13.4	17.0	19.9	23.2	22.2	.....	.....
	1909	3.2	9.9	17.5	21.4	16.2	13.7	18.2	.....
Furniture	1914	2.0	7.5	12.1	26.4	52.0	.....	.....	.....
	1909	2.4	5.9	19.9	39.2	32.5	.....	.....	.....
Gas, illuminating and heating	1914	1.9	5.3	1.9	.....	.....	.....	.....	90.8
	1909	3.2	11.8	.....	.....	.....	85.1	.....	.....
Glass	1914	.....	.....	.....	.....	70.1	29.9	.....	.....
	1909	.....	1.0	2.9	14.4	17.2	64.5	.....	.....
Hats, straw	1914	.....	0.3	.....	2.6	12.8	16.6	67.6	.....
	1909	.....	.....	8.2	.....	8.1	42.6	41.0	.....
Hosiery and knit goods	1914	0.4	1.1	.....	27.6	42.5	28.4	.....	.....
	1909	0.4	.....	3.7	7.0	28.2	60.7	.....	.....
Liquors, malt	1914	0.7	0.7	10.2	31.7	25.3	31.4	.....	.....
	1909	0.6	1.4	29.0	30.6	38.4	.....	.....	.....
Lumber and timber products	1914	11.5	21.7	14.5	25.1	22.2	5.0	.....	.....
	1909	11.0	29.2	14.5	20.9	24.3	.....	.....	.....
Marble and stone work	1914	11.6	17.9	13.9	21.4	35.2	.....	.....	.....
	1909	10.5	8.0	16.2	24.0	41.2	.....	.....	.....
Paper and wood pulp	1914	0.4	2.5	6.7	3.2	20.8	.....	.....	66.4
	1909	0.6	2.7	10.7	.....	27.2	.....	58.7	.....
Patent medicines and compounds and druggists' preparations.	1914	9.7	11.9	10.2	10.4	12.9	44.9	.....	.....
	1909	8.3	13.1	4.9	10.5	9.2	.....	54.0	.....
Printing and publishing	1914	11.4	20.5	18.2	12.2	31.6	6.1	.....	.....
	1909	14.6	23.4	25.1	15.7	21.3	.....	.....	.....
Shipbuilding, including boat building.	1914	1.1	5.1	11.4	2.7	13.8	10.3	.....	55.6
	1909	2.4	3.8	17.9	7.4	12.7	.....	.....	55.8
Silk goods, including throwsters.	1914	0.1	.....	.....	.....	58.1	41.8	.....	.....
	1909	.....	.....	4.3	.....	49.0	46.7	.....	.....
Slaughtering and meat packing.	1914	6.0	9.5	17.9	38.5	28.2	.....	.....	.....
	1909	7.0	10.9	13.6	45.5	23.0	.....	.....	.....
All other industries	1914	7.6	13.0	14.7	11.6	23.7	15.1	4.4	9.8
	1909	7.3	13.2	13.8	13.3	18.9	12.0	16.9	4.7
Total for cities	1914	3.6	9.3	10.4	10.2	20.6	15.3	9.4	21.3
BALTIMORE	1914	3.6	8.7	10.6	10.2	19.4	16.1	9.3	22.1
CUMBERLAND	1914	3.4	8.3	5.0	13.0	25.1	9.1	.....	36.1
FREDERICK	1914	5.1	19.3	9.3	14.9	51.3	.....	.....	.....
HAGERSTOWN	1914	3.6	18.0	11.9	6.7	29.9	8.5	21.3	.....

Engines and power.—Table 24 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), and shows separately the number and horsepower of electric motors operated by current generated in the establishments reporting. Per cent distribution is also given.

Table 24

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER. Amount.			HORSEPOWER. Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power; total	9,199	6,470	2,790	263,753	218,244	165,449	100.0	100.0	100.0
Owned	3,346	3,523	2,790	219,956	200,205	160,781	83.4	91.7	97.2
Steam engines and turbines [1]	2,574	2,693	2,121	196,199	182,395	145,627	74.4	83.6	88.0
Internal-combustion engines	522	504	398	13,822	5,736	4,377	5.2	2.6	2.6
Water wheels, turbines, and motors	250	326	271	9,935	12,074	10,777	3.8	5.5	6.5
Rented	5,853	2,947	.....	43,797	18,039	4,668	16.6	8.3	2.8
Electric	5,853	2,947	(2)	42,243	17,108	3,309	16.0	7.8	2.0
Other	.....	.....	.....	1,554	931	1,359	0.6	0.4	0.8
Electric	10,137	5,024	.....	117,707	44,921	18,823	100.0	100.0	100.0
Rented	5,853	2,947	(2)	42,243	17,108	3,309	35.9	38.1	17.6
Generated by establishments reporting	4,284	2,077	802	75,464	27,813	15,514	64.1	61.9	82.4

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

[2] Not reported.

This table shows an increase in primary power amounting to 45,509 horsepower, or 20.9 per cent, from 1909 to 1914, due largely to the increase in rented power. The use of rented power, almost wholly electric, has greatly increased since 1904, when 3,309 horsepower of this character, representing 2 per cent of the total primary power, was reported. In 1909 the amount of such power had increased to 17,108 horsepower, or 7.8 per cent of the total, and in 1914 to 42,243 horsepower, or 16 per cent of the total. The per cent of increase for the decade 1904–1914 amounted to 1,176.6 per cent and for the five-year period 1909–1914 it amounted to 146.9 per cent for this class of power.

The horsepower of electric motors run by current generated within the same establishments also shows large increases from 1909 to 1914 and for the decade 1904–1914.

The owned power increased 59,175 horsepower, or 36.8 per cent, during the decade. In 1904, 145,627 horsepower was reported for steam engines and turbines and in 1914, 196,199 horsepower, or an increase of 34.7 per cent, was shown. The horsepower of internal-combustion engines increased rapidly during the five-year period 1909–1914, the rate of increase being 141 per cent. The proportion which this power formed of the total primary horsepower was the same for both 1904 and 1909, 2.6 per cent, but by 1914 this proportion had doubled.

During the 10 years covered by the table there has been a decrease at each successive census in the proportion which the horsepower of water wheels, turbines, and motors formed of the total primary power. In 1914 the proportion was only 3.8 per cent.

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 25 shows, for 1914, the quantity of each kind of fuel used, for which data were obtained, for all industries combined and for certain selected industries in the state as a whole, and for all industries combined in each city; 85.4 per cent of the coke and 88.1 per cent of the gas reported for all other industries was used by two blast furnaces and three rolling mills, respectively. These plants are not shown separately in any of the tables for the state.

Table 25

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).			
All industries	127,598	1,425,508	320,133	622,694	1,102,357
Brass and bronze products	500	3,776	1,320	6,339	1,833
Bread and other bakery products	6,307	7,294	452	183	23,476
Brick, tile, terra-cotta, and fire-clay products	2,025	112,153	110	118	143,779
Canning and preserving	1,157	36,932	20	324	9,525
Cars and general shop construction and repairs by steam-railroad companies	.....	92,683	1,246	2,740	1,342
Clothing, men's, including shirts	1,641	14,470	.....	490	37,565
Clothing, women's	249	61	.....	12	2,648
Confectionery	1,439	6,278	636	4	4,315
Copper, tin, and sheet-iron products	669	35,557	1,956	10,106	44,286
Cotton goods	.....	26,994	.....	.....	.....
Fertilizers	80	25,314	.....	170	21
Flour-mill and gristmill products	2,470	14,028	.....	1,136	2,353
Food preparations	637	5,661	94	1,268	1,991
Foundry and machine-shop products	1,143	29,660	23,779	1,388	21,370
Furniture	299	6,975	.....	.....	3,929
Gas, illuminating and heating	63,069	27,414	895	286,911	.....
Glass	2,327	13,528	42	26,163	58,505
Hats, straw	12	6,183	.....	10	1,095
Ice, manufactured	3,395	92,403	766	319	12
Lime	11,083	4,384	6,904	178	.....
Liquors, distilled, whisky and brandy	50	30,423	40	5	.....
Liquors, malt	24	40,881	.....	14	105,238
Lumber and timber products	404	16,893	.....	141	3,460
Paper and wood pulp	.....	121,653	530	.....	1,588
Patent medicines and compounds and druggists' preparations	217	4,705	1	3	709
Printing and publishing	2,695	5,501	33	145	15,738
Shipbuilding, including boat building	481	19,677	364	1,205	370
Slaughtering and meat packing	45	46,659	1,446	175	1,020
All other industries	25,180	577,368	279,499	283,147	616,189
Total for cities	102,177	518,882	21,736	323,028	917,022
BALTIMORE	97,385	441,218	17,445	315,222	159,154
CUMBERLAND	2	37,491	295	840	748,444
FREDERICK	2,558	13,790	3,550	122	212
HAGERSTOWN	2,232	26,383	446	6,844	9,212

SPECIAL STATISTICS.

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

Canning and preserving.—The quantities and values of the various products of this industry, for 1914, 1909, and 1904, are given in the following table. The case, which is used as the unit of measure, consists of 24 standard-size No. 2 cans for beans, corn, peas, blackberries, gooseberries, raspberries, strawberries, and cherries, while all other canned fruits and vegetables have been reduced to the standard-size No. 3 can.

Table 26	1914	1909	1904
Total value	[1] $18,028,779	$13,709,449	[2] $12,935,065
Canned vegetables	$14,504,612	$10,779,540	$9,556,611
Beans—			
Cases	646,196	611,287	870,121
Value	$860,117	$778,732	$1,031,025
Corn—			
Cases	1,482,093	772,828	1,600,802
Value	$1,939,295	$1,039,905	$2,021,627
Peas—			
Cases	545,022	381,894	622,263
Value	$853,570	$619,981	$1,019,131
Pumpkins—			
Cases	21,498	2,033	19,592
Value	$19,270	$4,292	$24,283
Sweet potatoes—			
Cases	126,259	136,252	109,347
Value	$205,261	$206,919	$148,906
Spinach—			
Cases	275,841	110,882	.....
Value	$468,651	$188,852	.....
Tomatoes—			
Cases	6,564,314	5,747,477	3,638,363
Value	$9,710,462	$7,674,960	$4,976,098
Okra and tomatoes—			
Cases	8,492	36,629	.....
Value	$16,671	$53,572	.....
All other canned vegetables			
Cases	237,912	118,190	197,118
Value	$431,315	$212,327	$335,541
Canned fruits	$1,269,999	$1,095,014	$1,765,824
Apples—			
Cases	83,567	111,347	47,117
Value	$125,578	$168,458	$70,980
Blackberries—			
Cases	28,115	29,884	58,758
Value	$45,174	$39,316	$81,164
Canned fruits—Continued.			
Cherries—			
Cases	25,383	10,092	30,104
Value	$48,246	$18,204	$47,869
Gooseberries—			
Cases	42,617	53,513	.....
Value	$55,372	$77,987	.....
Peaches—			
Cases	194,760	80,489	352,244
Value	$319,021	$158,839	$753,003
Pears—			
Cases	121,859	67,427	126,213
Value	$221,395	$111,949	$199,802
Pineapple—			
Cases	65,830	67,695	.....
Value	$237,320	$252,384	.....
Raspberries—			
Cases	9,716	14,052	30,442
Value	$17,906	$25,619	$47,349
Strawberries—			
Cases	63,562	106,724	72,130
Value	$187,321	$228,860	$129,324
All other canned fruits—			
Cases	8,699	9,017	201,597
Value	$12,666	$13,398	$436,333
Preserves and pickled fruits and vegetables, including jams, jellies, sauces, ketchups, and similar products, value	$626,541	$664,408	([3])
Oysters, value	$1,088,744	$761,198	$548,646
Canned, smoked, and salt fish, clams and crabs, value	$105,774	$227,633	([2])
All other products, value	$433,099	$181,656	$1,063,984

[1] In addition, in 1914, products were reported by establishments in other industries, as follows:

Canned vegetables:		Canned fruits:		Canned oysters:		Pickles, preserves, and sauces, value	$50,745
Cases	195,961	Cases	54,781	Cases	28,189		
Value	$305,984	Value	$125,137	Value	$88,347		

[2] Does not include two establishments engaged in preparing fish, to avoid disclosures of individual operations.
[3] Included in "all other products."

Canning and preserving as a factory industry is of comparatively recent origin. In 1859 there were in Maryland 25 establishments engaged in canning oysters and 4 engaged in preserving fruits, etc., with a combined product of $1,089,620. It is probable that these totals include some establishments of the class omitted from more recent censuses, because they did not preserve the products. The remarkable growth of the industry is indicated, however, by comparing these totals with those for the 465 establishments reported in 1914, which had a total value of products amounting to $18,028,779.

Of the establishments reported in 1914, 22 were engaged primarily in canning and preserving oysters and fish, 423 in canning and preserving fruits and vegetables, and 20 in the manufacture of pickles, preserves, and sauces. Several of the large fruit and vegetable companies operate as oyster canners during the closed season for fruits and vegetables.

During the five-year period 1909–1914 the total value of products increased $4,319,330, or 31.5 per cent, compared with an increase for the preceding five-year period of $774,384, or 6 per cent.

Canned vegetables, which formed 80.5 per cent of the aggregate value of all products of this industry in Maryland, increased in 1914 over 1909 by $3,725,072, or 34.6 per cent. Maryland ranked first among the states of the Union in the value of canned vegetables, due principally to the large quantities of tomatoes canned. Beans, corn, peas, and spinach were also canned extensively in the state.

The canning of oysters is an important industry in Maryland. The total output in 1914 amounted in value to $1,177,091, representing 433,440 cases of 48 No. 2 cans.

Of the 423 establishments reporting fruits and vegetables as their principal product in 1914, 270 canned tomatoes, and 16 canned corn exclusively, and the remainder reported a variety of fruits and vegetables.

Slaughtering and meat packing.—The statistics given in Table 27, represent establishments engaged in wholesale slaughtering and meat packing but not those

engaged exclusively in the manufacture of sausage. The table shows for the census periods 1914, 1909, and 1904, the kind, number, and cost of the animals slaughtered, the cost of dressed meat purchased for curing and making lard compounds and substitutes, oleo oil, etc., the cost of all other materials, which include containers, ice, curing materials, seasoning, cottonseed oil, fuel, rent of power, mill supplies, and freight, and the quantities and values of the various products manufactured, except the value of canned meat products, oleo and other oils, oleo stearin, and glue.

Table 27	1914	1909	1904
MATERIALS.			
Total cost	$13,766,969	$11,282,938	$5,787,699
Animals slaughtered:			
Beeves—			
Number	44,738	36,251	9,425
Cost	$3,250,400	$1,966,380	$306,000
Calves—			
Number	26,278	23,137	9,234
Cost	$276,447	$205,270	$61,324
Sheep and lambs—			
Number	40,578	19,173	37,074
Cost	$213,175	$88,282	$125,353
Hogs—			
Number	622,626	554,761	631,746
Cost	$7,215,643	$5,803,872	$4,250,344
Dressed meat purchased for curing, cost	[1] $1,549,202	$1,331,095	$726,818
All other materials, cost	$1,262,102	$1,888,039	$317,860
PRODUCTS.			
Total value	$16,607,367	$13,394,192	$6,702,061
Fresh meat:			
Beef—			
Pounds	23,144,799	19,979,567	4,123,530
Value	$2,836,331	$1,758,714	$278,381
Veal—			
Pounds	1,612,205	1,482,710	533,372
Value	$225,152	$177,732	$57,022
Mutton and lamb—			
Pounds	1,541,215	630,729	1,316,012
Value	$217,216	$77,541	$117,610
Pork—			
Pounds	16,172,217	13,166,197	17,690,875
Value	$2,362,933	$1,762,932	$1,538,427
Edible offal and other fresh meat—			
Pounds	3,815,685	264,515	16,600
Value	$272,121	$40,473	$1,328
Pork, pickled and other cured:			
Pounds	36,156,127	28,231,007	30,676,342
Value	$5,501,956	$3,648,005	$3,033,386
Sausage:			
Pounds	10,666,851	11,713,817	8,362,360
Value	$1,338,165	$1,086,961	$645,566
Lard:			
Pounds	10,542,478	9,577,942	10,389,572
Value	$1,219,402	$1,162,407	$785,185
Lard compounds and substitutes:			
Pounds	7,292,547	(2)	(2)
Value	$627,395	(2)	(2)
Fertilizers and fertilizer materials:			
Tons	6,368	21,827	3,795
Value	$150,745	$398,965	$100,166
Hides, cattle and calf:			
Number	71,016	58,891	18,659
Pounds	2,896,539	2,755,685	622,976
Value	$493,931	$349,077	$54,408
Pelts, sheep:			
Number	40,578	19,173	37,074
Value	$17,949	$16,963	$11,034
All other products, value	$1,344,071	$2,914,422	$79,548

[1] Includes cost of all other animals, to avoid disclosure of individual operations.
[2] Not reported separately.

The industry more than doubled in cost of materials and value of products in the decade 1904–1914. There were increases in the number of beeves, calves, and sheep and lambs slaughtered, and much greater increases in their cost. All products increased during this period in both quantity and value, except fresh pork, which decreased in quantity and increased in value. The small increase in fertilizers and fertilizer materials is due to the fact that some establishments, which reported these products as by-products of slaughtering and meat packing in 1904 and 1909, made complete separate reports for their fertilizer departments in 1914, and the statistics were, therefore, included in the totals for fertilizers given in Table 28.

Fertilizers.—The principal products manufactured, by kind, quantity, and value, are shown in the following table for 1914, 1909, and 1904. The statistics presented pertain to the establishments manufacturing fertilizers as their product of chief value.

As early as 1869 there were 15 establishments in the state engaged primarily in the manufacture of fertilizers, with an output valued at $632,352. The industry developed during the following decade, and in 1879 Maryland was the leading state, with products valued at $5,770,198. It retained this position until 1904, since which year it has ranked second. In 1909 there were 41 establishments in the classified industry, with fertilizer products valued at $8,983,265. In 1914 the number of establishments had increased to 48, and including a small production of fertilizers by establishments in other industries, the total product of the state was 875,996 tons, valued at $13,488,984.

Table 28	1914	1909	1904
Total value	[1] $13,986,704	$9,672,786	$6,631,763
Fertilizers:			
Tons (2,000 lbs.)	875,669	608,699	500,889
Value	$13,482,931	$8,983,265	$6,308,842
Complete and ammoniated fertilizers—			
Tons	516,856	318,542	289,594
Value	$10,010,781	$6,015,143	$4,302,992
Superphosphates—			
Tons	222,401	184,524	132,803
Value	$1,790,875	$1,838,959	$1,309,620
Other fertilizers—			
Tons	136,412	105,633	78,492
Value	$1,681,275	$1,129,163	$696,230
All other products, value	$503,773	$689,521	$322,921

[1] In addition, 327 tons of fertilizer, valued at $6,053, were manufactured as a subsidiary product by establishments engaged primarily in other manufacturing industries.

The principal materials used in 1914 were 304,476 tons of phosphate rock, 193,941 tons of sulphuric acid, 116,942 tons of ammoniates, 48,520 tons of pyrites, and 38,560 tons of kainit.

The production for 1914 was an increase of 43.9 per cent over that of 1909. Complete and ammoniated fertilizers constituted the largest class manufactured during each of the three census years.

Besides the products shown in the table in 1914 and consumed in further processes, 425,447 tons of acid phosphate and 110,568 tons of sulphuric acid (50° Baumé) were manufactured and consumed in further processes by 18 of the 48 establishments reporting.

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

Table 29 — Period of issue	Number of publications			Aggregate circulation per issue		
	1914	1909	1904	1914	1909	1904
Total	182	163	199	938,364	800,550	873,594
Daily	19	18	20	400,680	310,870	296,878
Sunday	4	5	5	265,817	182,582	182,500
Semiweekly	[1] 3	[1] 3	.....	12,862	18,075	.....
Weekly	125	120	[2] 141	161,045	185,554	244,176
Monthly	16	13	22	86,670	100,069	123,150
All other classes	15	4	11	11,290	3,400	26,890

[1] Includes one triweekly publication.
[2] Includes two semiweekly publications.

There was a substantial increase both in total number and aggregate circulation of publications during the five years ending with 1914. The increase in number was 19, or 11.7 per cent, and in circulation, 137,814, or 17.2 per cent. The greatest increase was in the Sunday circulation, 83,235, or 45.6 per cent. The reported circulation of the semiweeklies, weeklies, and the monthly publications decreased.

Flour-mill and gristmill products.—Table 30 gives the quantities and values of flour-mill and gristmill products for the last three census years.

Table 30	1914	1909	1904
Total value	$8,163,869	$9,267,903	$7,318,212
Wheat flour:			
Barrels	1,105,577	1,130,165	1,015,952
Value	$5,152,538	$6,097,871	$4,860,634
Rye flour:			
Barrels	2,211	5,296	2,858
Value	$8,820	$23,304	$14,463
Buckwheat flour:			
Pounds	1,564,878	2,558,744	1,642,766
Value	$50,783	$69,279	$45,109
Corn meal and corn flour:			
Barrels	170,431	230,332	298,196
Value	$605,583	$741,075	$722,991
Hominy and grits:			
Pounds	2,464,035	2,289,617	3,011,460
Value	$46,961	$38,966	$41,861
Bran and middlings:			
Tons	49,202	81,804	70,923
Value	$1,315,693	$2,174,260	$1,597,631
Feed and offal:			
Tons	32,947		
Value	$973,570		
All other cereal products, value	$3,569	$47,576	.....
All other products, value	$6,352	$75,572	$35,523

The output of wheat flour in 1914 was 24,588 barrels less than in 1909 and 89,625 barrels more than in 1904, or an increase of 8.8 per cent for the decade. The high price of flour prevailing in 1909, as compared with the low price in 1914, is the principal cause of the decrease. Wheat flour, including bran and middlings, formed 79.2 per cent of the total value of products in 1914; feed and offal, 11.9 per cent; corn meal and corn flour, 7.4 per cent; buckwheat flour, and hominy and grits, each six-tenths of 1 per cent. Bran and middlings and feed and offal together show, in value, an increase of $115,003, or 5.3 per cent, over 1909, and corn meal and corn flour show a decrease of 18.3 per cent. The equipment reported for the mills in 1914 were 779 stands of rolls, 314 runs of stone, and 102 attrition mills.

Cotton goods.—In the following table the principal materials and products of the cotton-goods industry are shown, by kind, quantity, cost, and value, for the census years 1914, 1909, and 1904.

This industry is one of the oldest in the state. As early as 1849 there were 24 establishments reported, with products valued at $2,120,504. During the years from 1849 to 1914 the number of establishments decreased about one-half, while the value of products increased more than 200 per cent.

Table 31	1914	1909	1904
MATERIALS.			
Total cost	$4,452,325	$4,011,741	$3,873,475
Domestic cotton:			
Pounds	25,444,796	27,460,792	27,054,032
Cost	$2,979,256	$3,230,428	$3,293,937
Cotton yarn, purchased:			
Pounds	4,746,710	2,254,334	1,910,717
Cost	$806,266	$414,199	$329,655
Cotton waste, purchased:			
Pounds	2,126,442	952,245	916,992
Cost	$122,088	$50,917	$46,528
Starch, cost	$1,848	$2,924	$4,208
Fuel and rent of power, cost	$130,058	$86,911	$76,769
All other materials, cost	$412,809	$226,362	$122,378
PRODUCTS.			
Total value	$6,790,935	$5,522,293	$5,244,742
Duck:[1]			
Square yards	13,212,532	13,872,294	14,148,404
Value	$3,846,524	$3,478,113	$3,622,713
Other woven goods:			
Square yards	4,727,950	7,556,494	8,652,972
Value	$802,760	$958,335	$834,074
Cotton yarns and twine for sale:			
Pounds	4,181,840	4,479,173	2,871,451
Value	$944,771	$703,310	$431,076
All other products, value	$1,196,880	$382,535	$356,879

[1] Does not include duck used in further processes of manufacture by establishments producing it.

Some of the important cotton mills of Maryland operated only part of the year 1914. The quantity and cost of cotton used decreased slightly in 1914, as compared with 1909 and 1904, but the deficiency was more than counterbalanced by increases in yarns and waste. A small quantity of foreign cotton and of dyed, bleached, and other prepared cotton was used in 1914, but the statistics can not be shown without disclosing operations of individual establishments. Duck, which constituted more than half the value of products at each of the censuses, decreased slightly in quantity from census to census but shows a larger value for 1914 than for either of the other years.

Shipbuilding, including boat building.—This industry includes the building of both iron and steel and wooden vessels, as well as small craft of all kinds and the repair of such vessels.

The number and gross tonnage of all vessels launched in 1914, 1909, and 1904 are shown, by classes, in Table 32.

Table 32	1914		1909		1904	
	Number.	Gross tonnage.	Number.	Gross tonnage.	Number.	Gross. tonnage.
Total 5 tons gross and over	58	36,961	52	34,160	72	32,003
Iron and steel	10	29,094	9	19,157	12	11,222
Steam	8	27,094	5	17,473	10	10,170
Sail	.....	.....	1	1,034	.....	.....
Unrigged	2	2,000	3	650	2	1,052
Wooden	48	7,867	43	15,003	60	20,781
Steam	3	274	2	260	10	1,550
Motor[1]	6	194	8	593	.....	.....
Sail	2	64	3	116	4	384
Unrigged	37	7,335	30	14,034	46	18,847

[1] Includes sailboats with auxiliary power in 1914 and 1909.

The gross tonnage of iron and steel vessels increased steadily from 1904 to 1914, while the gross tonnage of wooden vessels showed a material decrease from 1904 to 1909, and also from 1909 to 1914. In addition to the vessels shown in the table, there were small power boats under 5 tons launched during the year, as follows: 1914, 75; 1909, 77; and 1904, 39. There were also sailboats, rowboats, canoes, and scows built, each of which was less than 5 tons gross register, representing a total value of $37,726 in 1914, $46,632 in 1909, and $12,140 in 1904. The amounts received for repair work were $1,374,515, $985,112, and $1,010,622, respectively, for the three years.

Laundries.—Statistics for power laundries are not included in the general tables or in the totals for all manufacturing industries. Table 33, however, summarizes these statistics for Maryland for 1914 and 1909.

Table 33	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	
Number of establishments	54	41	.....
Persons engaged	1,921	1,497	28.3
Proprietors and firm members	62	44	.....
Salaried employees	144	175	−17.7
Wage earners (average number)	1,715	1,278	34.2
Primary horsepower	2,211	1,091	102.7
Capital	$1,164,371	$643,458	80.9
Salaries and wages	697,967	466,569	49.6
Salaries	104,175	117,996	−11.7
Wages	593,792	348,573	70.3
Paid for contract work	.....	100	.....
Rent and taxes	43,389	24,092	80.1
Cost of materials	259,456	155,695	66.6
Amount received for work done	1,391,902	993,766	40.1

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

In 1914 Maryland ranked twenty-sixth among the states in amount received for work done, and twenty-seventh during the year 1909. With the exception of the number of salaried employees and the amount paid for salaries, the table shows increases for all items given. The increase in receipts for work done and in average number of wage earners amounted to 40.1 per cent and 34.2 per cent, respectively. Establishments owned by individuals reported 36.8 per cent of the amount received for work done; those owned by corporations, 42.3 per cent; and those under other forms of ownership, 20.9 per cent.

Table 34 shows, for 1914 and 1909, the number of wage earners employed in laundries on the 15th of each month, or the nearest representative day, and the percentage which this number represents of the greatest number employed in any month of the same year.

Table 34	WAGE EARNERS.			
MONTH.	Number.		Per cent of maximum.	
	1914	1909	1914	1909
January	1,664	1,257	93.6	96.4
February	1,669	1,252	93.9	96.0
March	1,627	1,260	91.6	96.6
April	1,642	1,265	92.4	97.0
May	1,745	1,285	98.2	98.5
June	1,754	1,272	98.7	97.5
July	1,732	1,288	97.5	98.8
August	1,719	1,287	96.7	98.7
September	1,730	1,283	97.4	98.4
October	1,741	1,300	98.0	99.7
November	1,775	1,304	99.9	100.0
December	1,777	1,285	100.0	98.5

Table 35 gives statistics as to kinds and amounts of power used in the laundries of the state in 1914 and 1909, together with percentages of increase for the five-year period.

Table 35	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
KIND.			Amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	1914	1909	
Primary power, total	75	51	2,211	1,091	102.7
Owned	58	40	2,137	1,023	108.9
Steam engines and turbines	56	39	2,087	1,019	104.8
Internal-combustion engines	2	1	50	4	.....
Rented	17	11	74	68	.....
Electric	17	11	74	8	.....
Other	.....	.....	.....	60	.....
Electric—Generated in establishments reporting	105	45	326	94	.....

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

Table 36 shows the kinds and quantities of fuel used in the laundries, as reported at the censuses of 1914 and 1909, with the percentages of increase.

Table 36		QUANTITY.		Per cent of increase[1] 1909–1914.
KIND.	Unit.	1914	1909	
Anthracite coal	Ton, 2,240 lbs.	603	1,067	−43.5
Bituminous coal	Ton, 2,000 lbs.	14,345	10,390	38.1
Oil	Barrels	220	29	.....
Gas	1,000 cubic feet	35,595	4,089	770.5

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

GENERAL TABLES.

Table 37 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 38 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 individual operations, and the statistics for all industries combined for each of the cities in the state having from 10,000 to 50,000 inhabitants.

TABLE 37.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904.

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

INDUSTRY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
All industries	1914	4,797	111,585	263,753	$53,792	$238,972	$377,749
	1909	4,837	107,921	218,244	45,436	199,049	315,669
	1904	3,852	94,174	165,449	36,144	150,024	243,376
Boots and shoes	1914	7	595	242	278	824	1,447
	1909	14	594	252	239	912	1,431
	1904	20	681	182	247	546	1,040
Boxes, fancy and paper	1914	21	905	611	292	625	1,279
	1909	17	684	365	183	395	853
	1904	15	502	219	132	221	496
Brass and bronze products.	1914	15	392	2,078	243	753	1,173
	1909	17	219	243	98	432	748
	1904	9	107	153	44	182	318
Bread and other bakery products.	1914	523	2,038	2,220	1,027	4,630	8,098
	1909	516	1,962	1,212	893	4,363	6,868
	1904	428	1,691	766	763	3,067	5,159
Brick, tile, terra-cotta, and fire-clay products.	1914	41	1,721	6,258	720	498	1,645
	1909	56	1,946	6,151	779	455	1,728
	1904	66	2,389	5,837	923	365	1,949
Brushes	1914	9	559	813	297	1,051	1,862
	1909	11	488	558	218	648	1,124
Butter and condensed milk.	1914	32	61	452	34	463	583
	1909	44	69	522	39	524	654
	1904	55	80	576	29	399	519
Canning and preserving	1914	[1] 465	8,640	10,698	2,402	12,958	18,029
	1909	468	8,613	7,007	1,926	10,090	13,709
	1904	[2] 408	9,146	5,799	1,790	9,173	12,935
Carriages and wagons and materials.	1914	130	723	1,245	412	565	1,385
	1909	126	757	879	372	541	1,330
	1904	119	946	985	415	698	1,485
Cars and general shop construction and repairs by electric-railroad companies.	1914	5	589	66	356	233	653
	1909	5	538	217	260	201	483
Cars and general shop construction and repairs by steam-railroad companies.	1914	20	5,969	6,056	3,955	8,880	13,229
	1909	21	5,549	7,308	3,535	5,193	9,059
	1904	21	4,977	4,245	2,837	2,610	5,752
Clothing, men's, including shirts.	1914	301	18,062	6,110	7,317	20,598	39,048
	1909	359	19,784	4,061	7,563	20,966	36,921
	1904	157	13,849	2,185	4,110	14,772	25,653
Clothing, women's	1914	90	3,026	475	1,170	3,296	6,015
	1909	72	2,641	370	888	2,285	4,351
	1904	56	1,891	233	601	1,699	3,195
Coffee and spice, roasting and grinding.	1914	14	169	494	84	3,174	4,393
	1909	15	169	531	77	2,431	2,878
	1904	12	77	222	31	929	1,172
Confectionery	1914	65	1,442	1,431	466	2,457	3,764
	1909	54	1,573	1,424	463	3,162	5,082
	1904	44	1,054	800	294	1,517	2,618
Cooperage, hogsheads and barrels.	1914	34	259	328	139	390	696
	1909	40	323	441	135	358	617
	1904	29	381	332	196	427	765
Copper, tin, and sheet-iron products.	1914	[3] 114	7,712	7,308	4,078	16,717	25,491
	1909	81	5,275	5,532	2,076	10,808	16,909
	1904	75	2,727	1,523	987	6,096	9,263
Cotton goods	1914	13	3,424	16,975	1,239	4,452	6,791
	1909	16	3,966	13,128	1,139	4,012	5,522
	1904	12	3,993	11,995	934	3,873	5,245
Fertilizers	1914	48	1,991	7,242	$1,052	$9,968	$13,987
	1909	41	1,439	5,324	617	6,963	9,673
	1904	39	1,256	3,984	524	4,992	6,632
Flour-mill and gristmill products.	1914	247	473	11,398	241	6,919	8,164
	1909	295	506	13,807	227	8,003	9,268
	1904	202	550	10,663	212	6,210	7,318
Food preparations, not elsewhere specified.	1914	43	332	2,191	152	2,357	2,975
	1909	29	212	1,350	92	1,550	1,863
	1904	13	128	232	41	248	404
Foundry and machine-shop products.	1914	[4] 179	4,423	8,477	2,729	5,122	10,659
	1909	157	4,798	6,785	2,751	5,956	11,978
	1904	[2] 118	4,899	5,627	2,810	3,946	10,586
Furnishing goods, men's	1914	15	561	94	192	611	1,142
	1909	26	436	53	155	494	895
	1904	17	752	259	194	726	1,221
Furniture	1914	45	1,998	2,892	1,012	1,823	3,784
	1909	48	1,856	2,876	835	1,601	3,350
	1904	51	2,280	2,859	959	1,624	3,445
Gas, illuminating and heating.	1914	18	1,234	1,677	398	1,405	4,157
	1909	18	476	1,555	220	629	3,223
	1904	12	227	1,361	128	458	1,994
Glass	1914	6	1,184	1,030	783	400	1,501
	1909	7	1,052	427	505	237	1,038
	1904	6	649	426	354	159	590
Hats, straw	1914	7	2,173	1,307	1,040	2,392	4,826
	1909	7	1,694	930	688	1,783	3,347
	1904	6	1,139	507	460	1,051	2,036
Hosiery and knit goods	1914	10	1,077	443	344	644	1,116
	1909	11	1,022	460	234	697	1,172
	1904	[5] 4	876	405	196	531	952
Ice, manufactured	1914	62	532	11,463	325	422	1,563
	1909	42	355	7,192	230	300	1,022
	1904	27	253	4,280	126	180	730
Leather goods	1914	[6] 54	244	163	129	458	813
	1909	43	326	182	150	607	1,043
	1904	[5] 34	437	212	168	505	1,012
Leather, tanned, curried, and finished.	1914	10	440	1,458	229	2,629	3,485
	1909	13	466	1,321	211	2,114	2,661
	1904	17	531	982	218	1,483	1,911
Liquors, distilled, whisky and brandy.	1914	21	274	3,244	279	1,544	7,259
	1909	25	276	2,695	142	1,149	5,362
	1904	27	304	2,894	201	1,399	2,567
Liquors, malt	1914	14	1,073	6,836	945	2,166	7,252
	1909	20	909	6,187	711	1,569	5,690
	1904	21	820	5,963	599	1,302	4,967
Lumber and timber products.	1914	[7] 493	6,115	22,792	2,725	6,182	11,911
	1909	561	7,003	23,553	2,457	6,507	12,134
	1904	301	5,149	16,740	1,959	4,906	8,937
Marble and stone work	1914	102	990	3,212	579	783	1,831
	1909	89	1,455	4,241	793	957	2,427
	1904	42	1,091	1,414	660	875	2,244
Mattresses and spring beds.	1914	17	244	239	107	446	784
	1909	19	198	178	86	469	729
	1904	20	174	116	75	365	578
Paint and varnish	1914	9	145	453	82	670	1,027
	1909	12	127	450	55	700	1,001
	1904	[2] 11	182	509	74	411	681

[1] Includes "canning and preserving, fish;" "canning and preserving, fruits and vegetables;" "canning and preserving, oysters;" and "pickles, preserves, and sauces."
[2] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[3] Includes "stamped and enameled ware" and "tinware, not elsewhere specified."
[4] Includes "automobile repairing;" "bells;" "engines, steam, gas, and water;" "gas machines and gas and water meters;" "hardware;" "iron and steel, cast-iron pipe;" "plumbers' supplies, not elsewhere specified;" "pumps, with power other than steam;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork, not made in steel works or rolling mills."
[5] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[6] Includes "saddlery and harness" and "trunks and valises."
[7] Includes "boxes, wooden packing;" "lumber, planing-mill products, not including planing mills connected with sawmills;" "pulpwood;" and "window and door screens."

TABLE 37.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.							
Paper and wood pulp	1914	13	1,586	15,028	$926	$4,126	$6,150
	1909	13	1,249	11,407	639	3,278	4,894
	1904	16	1,008	7,343	397	2,453	3,296
Patent medicines and compounds and druggists' preparations.	1914	[1] 83	1,053	1,424	432	2,389	5,970
	1909	83	1,193	683	429	2,167	5,548
	1904	74	971	779	286	1,839	4,839
Printing and publishing	1914	[2] 368	4,173	7,013	2,652	3,715	11,263
	1909	371	3,386	3,694	1,965	2,464	8,360
	1904	[3] 330	2,971	2,434	1,511	1,732	6,317
Shipbuilding, including boat building.	1914	42	2,468	5,979	1,573	2,102	4,521
	1909	46	1,793	6,795	1,098	1,849	3,535
	1904	35	2,772	5,215	1,340	1,785	4,541
Silk goods, including throwsters.	1914	5	874	1,012	283	424	911
	1909	4	655	915	160	237	512
	1904	3	175	765	48	171	273
Slaughtering and meat packing.	1914	[4] 60	1,292	4,102	$789	$14,136	$17,100
	1909	54	1,034	3,024	604	11,503	13,683
	1904	44	562	1,204	320	5,888	6,848
Stoves and hot-air furnaces and ranges.	1914	7	302	277	178	246	650
	1909	8	394	273	209	205	676
	1904	5	349	187	196	197	646
Umbrellas and canes	1914	8	484	123	172	987	1,602
	1909	9	514	95	168	1,076	1,650
	1904	9	371	83	94	800	1,271
All other industries	1914	912	17,564	78,324	8,935	81,342	105,765
	1909	854	17,947	61,591	8,122	66,209	88,668
	1904	842	18,807	51,954	7,661	57,214	78,976
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
BALTIMORE—All industries.	1914	2,502	73,769	99,869	$35,509	$120,533	$215,172
	1909	2,502	71,444	76,764	31,171	107,024	186,978
	1904	2,158	65,050	.....	25,507	80,555	150,171
Bread and other bakery products.	1914	363	1,632	1,817	820	3,751	6,606
	1909	375	1,632	976	750	3,639	5,716
	1904	341	1,459	.....	668	2,680	4,483
Canning and preserving	1914	[5] 49	3,346	1,985	1,028	5,684	7,789
	1909	51	3,166	1,283	844	4,317	5,831
	1904	[6] 45	4,112	.....	979	4,365	6,226
Carriages and wagons	1914	53	412	575	254	274	779
	1909	40	413	406	235	278	732
	1904	57	540	.....	262	340	828
Cars and general shop construction and repairs by steam-railroad companies.	1914	7	3,490	3,328	2,362	7,431	10,039
	1909	8	4,163	6,318	2,705	4,383	7,365
	1904	7	3,712	.....	2,164	2,084	4,478
Clothing	1914	353	20,219	6,220	8,277	23,632	44,482
	1909	393	21,168	4,133	8,204	22,951	40,602
	1904	181	14,565	.....	4,486	16,321	28,341
Coffee and spice, roasting and grinding.	1914	14	169	494	84	3,174	4,393
	1909	15	169	531	77	2,431	2,878
	1904	12	77	.....	31	929	1,172
Confectionery	1914	60	1,432	1,419	460	2,432	3,717
	1909	50	1,564	1,416	459	3,116	5,011
	1904	43	1,049	.....	292	1,509	2,598
Copper, tin, and sheet-iron products.	1914	[7] 98	6,289	5,638	3,284	12,182	18,842
	1909	58	4,172	4,297	1,675	8,172	12,833
	1904	50	2,512	.....	903	5,630	8,609
Fertilizers	1914	8	781	2,581	405	4,150	6,201
	1909	9	578	2,039	251	3,825	5,050
	1904	12	824	.....	340	3,542	4,657
Foundry and machine-shop products.	1914	[8] 109	3,071	5,603	1,922	3,561	7,688
	1909	101	3,719	4,576	2,205	4,204	9,074
	1904	[6] 81	3,847	.....	2,295	2,836	8,396
Furnishing goods, men's	1914	[6] 15	561	94	192	611	1,142
	1909	23	434	50	137	492	891
	1904	17	752	.....	194	726	1,221
Furniture	1914	34	1,364	1,787	733	1,231	2,732
	1909	34	1,157	1,786	548	1,014	2,197
	1904	38	1,776	.....	799	1,297	2,854
BALTIMORE—Contd. Hats, straw	1914	7	2,173	1,307	$1,040	$2,392	$4,826
	1909	7	1,694	930	688	1,783	3,347
	1904	6	1,139	.....	460	1,051	2,036
Ice, manufactured	1914	12	307	6,913	196	252	1,000
	1909	12	195	5,102	151	222	694
	1904	9	145	.....	85	143	575
Leather goods	1914	[9] 38	216	154	115	415	728
	1909	35	306	181	143	560	963
	1904	[3] 30	417	.....	161	479	964
Liquors, distilled, whisky.	1914	4	85	698	66	418	2,106
	1909	5	92	636	42	331	1,602
	1904	7	106	.....	70	523	954
Liquors, malt	1914	7	697	4,085	661	1,418	4,724
	1909	11	552	3,270	451	906	3,150
	1904	13	525	.....	401	858	3,177
Lumber and timber products.	1914	[10] 42	2,062	6,678	1,008	2,971	5,073
	1909	48	2,016	5,609	894	3,022	4,805
	1904	[6] 34	1,572	.....	659	1,949	3,320
Marble and stone work	1914	51	591	1,746	404	581	1,301
	1909	48	742	1,420	485	758	1,704
	1904	28	796	.....	487	775	1,841
Patent medicines and compounds and druggists' preparations.	1914	[1] 71	1,034	1,337	420	2,337	5,878
	1909	71	1,180	667	426	2,136	5,471
	1904	67	954	.....	282	1,817	4,750
Printing and publishing	1914	[2] 243	3,609	6,387	2,358	3,452	10,284
	1909	238	2,866	3,194	1,747	2,227	7,553
	1904	[3] 202	2,421	.....	1,330	1,578	5,608
Shipbuilding, including boat building.	1914	16	678	4,029	507	483	1,275
	1909	13	555	3,563	340	260	871
	1904	[6] 12	469	.....	221	202	640
Slaughtering and meat packing.	1914	[4] 51	702	2,122	414	7,884	9,504
	1909	48	808	2,611	479	8,652	10,082
	1904	41	455	.....	250	4,749	5,552
Umbrellas and canes	1914	8	484	123	172	987	1,602
	1909	9	514	95	168	1,076	1,650
	1904	9	371	.....	94	800	1,271
All other industries	1914	789	18,365	32,749	8,327	28,830	52,461
	1909	800	17,589	21,675	7,067	26,269	46,906
	1904	816	20,455	.....	7,594	23,372	45,620
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.							
CUMBERLAND	1914	74	2,817	8,098	$1,519	$3,993	$7,113
	1909	71	1,936	5,119	948	2,676	4,534
	1904	72	2,276	.....	1,084	2,678	4,595
FREDERICK	1914	57	1,146	2,681	520	2,114	3,167
	1909	55	1,026	1,989	361	2,075	2,911
HAGERSTOWN	1914	113	3,574	6,425	$1,733	$4,318	$7,412
	1909	76	1,718	2,068	583	1,798	3,197
	1904	67	2,210	.....	718	1,651	3,027

[1] Includes "perfumery and cosmetics."
[2] Includes "bookbinding and blank-book making;" "engraving, steel and copper plate, including plate printing;" and "lithographing."
[3] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[4] Includes "sausage, not made in slaughtering and meat-packing establishments."
[5] Includes "canning and preserving, fish;" "canning and preserving, fruits and vegetables;" and "pickles, preserves, and sauces."
[6] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[7] Includes "stamped ware" and "tinware, not elsewhere specified."
[8] Includes "automobile repairing;" "bells;" "engines, steam, gas, and water;" "gas machines and gas and water meters;" "hardware;" "plumbers' supplies, not elsewhere specified;" "pumps with power other than steam;" "steam fittings and steam and hot-water heating apparatus;" and "structural ironwork, not made in steel works or rolling mills."
[9] Includes "saddlery and harness" and "trunks and valises."
[10] Includes "boxes, wooden packing;" "lumber, planing-mill products, not including planing mills connected with sawmills;" and "window and door screens."

TABLE 38.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS OR MORE,

	INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	4,797	131,391	5,005	3,459	8,861	2,481	111,585	Se 134,437	De 99,363	(3)	(3)	(3)	(3)	(3)	$293,210,925
2	Artificial stone products	18	70	23	4	.....	.....	43	Je 58	Fe [4] 22	53	53	.....	.....	.....	71,894
3	Automobile bodies and parts	10	86	12	7	9	4	54	Jy 59	Fe 47	58	58	.....	.....	.....	156,614
4	Automobile repairing	18	139	17	10	11	6	95	Je 107	Ja 85	99	98	.....	1	.....	217,867
5	Awnings, tents, and sails	20	99	21	6	5	2	65	Je 82	Fe [4] 46	69	59	10	.....	.....	107,653
6	Baskets, and rattan and willow ware	19	133	19	3	1	1	109	Au 123	Oc 76	112	109	.....	3	.....	99,885
7	Belting, woven	3	144	6	8	7	4	119	Fe 136	De 96	114	33	74	2	5	380,923
8	Bookbinding and blank-book making	16	260	16	3	9	2	230	Jy 244	Fe 222	240	128	101	7	4	171,989
9	Boots and shoes	7	666	3	20	35	13	595	Fe 648	Jy 537	631	405	218	7	1	947,823
10	Boxes, cigar	8	185	6	6	.....	1	172	De 176	Jy 169	176	76	91	2	7	135,527
11	Boxes, fancy and paper	21	1,019	14	32	42	26	905	Oc [4] 938	De 818	909	352	475	7	75	960,231
12	Boxes, wooden packing	28	2,009	23	61	32	10	1,883	Jy 1,981	Oc 1,761	1,892	1,708	69	115	.....	1,900,339
13	Brass and bronze products	15	466	9	21	37	7	392	My 436	Oc 356	406	404	.....	2	.....	1,144,279
14	Bread and other bakery products	523	3,132	553	35	380	126	2,038	Jy 2,111	Ja 1,939	2,082	1,748	268	41	25	4,637,475
15	Brick, tile, terra-cotta, and fire-clay products.	41	1,874	27	66	49	11	1,721	.....	.....	1,959	1,931	.....	28	.....	5,728,849
16	Building brick	29	1,280	23	48	32	3	1,174	Jy 1,579	Fe 769	1,415	1,407	.....	8	.....	4,998,487
17	All other	12	594	4	18	17	8	547	My 589	Au 515	544	524	.....	20	.....	730,362
18	Brooms	21	206	18	12	4	2	170	No 195	Jy 153	216	153	27	28	8	165,873
19	Brushes	9	716	9	22	108	18	559	Fe 591	Au 513	572	438	75	43	16	1,547,777
20	Butter	29	66	30	2	.....	1	33	Au [4] 38	De [4] 29	37	36	.....	1	.....	118,495
21	Canning and preserving, fish	19	174	30	.....	4	2	138	Ap 845	Ja [5] 0	911	771	124	15	1	132,270
22	Canning and preserving, fruits and vegetables.	423	9,469	550	235	258	72	8,354	.....	.....	29,507	10,101	17,525	822	1,059	10,369,805
23	Canned vegetables	417	9,212	545	228	246	71	8,122	Se 30,678	Mh 1,928	29,049	9,981	17,188	822	1,058	10,111,309
24	Canned and dried fruits	6	257	5	7	12	1	232	Se 560	Ap [4] 6	458	120	337	.....	1	258,496
25	Canning and preserving, oysters	3	61	3	2	2	.....	54	No 145	My 10	122	72	50	.....	.....	28,600
26	Carriage and wagon materials	4	103	2	7	2	1	91	Au [4] 95	De 78	78	78	.....	.....	.....	224,406
27	Carriages, wagons, and repairs	126	815	142	19	14	8	632	.....	.....	636	632	1	3	.....	1,031,033
28	Carriages and wagons	120	750	136	15	13	7	579	Je 609	De 545	581	579	1	1	.....	969,853
29	Repair work only	6	65	6	4	1	1	53	Au 56	De [4] 51	55	53	.....	2	.....	61,180
30	Cars and general shop construction and repairs by electric-railroad companies.	5	618	.....	14	15	.....	589	Fe 627	No 549	598	593	3	2	.....	946,303
31	Cars and general shop construction and repairs by steam-railroad companies.	20	6,321	.....	27	319	6	5,969	Fe 6,474	De 5,073	6,033	6,004	22	7	.....	4,409,948
32	Cloth, sponging and refinishing	3	55	8	1	6	1	39	De [4] 40	Au 35	40	21	.....	19	.....	80,552
33	Clothing, men's	253	14,808	355	147	1,069	328	12,909	.....	.....	13,105	6,161	6,597	190	157	17,363,715
34	Regular factories	111	11,748	194	126	1,062	319	10,047	Ja 11,100	No 7,630	10,095	5,184	4,687	179	45	16,735,326
35	Contract work	142	3,060	161	21	7	9	2,862	Mh 3,092	No 2,616	3,010	977	1,910	11	112	628,389
36	Clothing, men's, buttonholes	15	67	15	.....	1	1	50	Jy 53	Mh 46	49	34	13	2	.....	16,617
37	Clothing, women's	90	3,469	120	61	164	98	3,026	.....	.....	3,191	833	2,330	1	27	2,484,760
38	Regular factories	83	3,362	114	60	164	98	2,926	.....	.....	3,076	768	2,280	1	27	2,477,807
39	Suits, skirts, and cloaks	41	837	62	10	57	18	690	Jy 750	De 612	729	515	214	.....	.....	913,019
40	Shirt waists and dresses, except house dresses.	26	1,359	34	32	65	58	1,170	Mh 1,318	No 1,030	1,202	140	1,053	1	8	849,743
41	Undergarments and petticoats.	6	562	5	5	13	6	533	Ja 586	Se 485	574	64	492	.....	18	432,754
42	Wrappers and house dresses	7	394	9	7	18	12	348	Mh 381	Oc 320	367	24	342	.....	1	174,381
43	All other	3	210	4	6	11	4	185	De 204	Je 166	204	25	179	.....	.....	107,910
44	Contract work	7	107	6	1	.....	.....	100	Jy 131	De 73	115	65	50	.....	.....	6,953
45	Coffee and spice, roasting and grinding.	14	310	14	14	101	12	169	Se 174	De 165	165	103	56	5	1	1,643,453
46	Condensed milk, and milk products, other than butter and cheese.	3	36	.....	4	3	1	28	Je [4] 30	Ap [4] 27	28	28	.....	.....	.....	319,759
47	Confectionery and ice cream	127	2,186	139	76	186	78	1,707	.....	.....	1,955	890	883	33	149	2,961,288
48	Confectionery and chewing gum	65	1,795	65	61	167	60	1,442	Oc 1,686	Jy 1,027	1,683	637	866	31	149	2,321,914
49	Ice cream	62	391	74	15	19	18	265	Au 319	Ja 222	272	253	17	2	.....	639,374
50	Cooperage, hogsheads and barrels	34	321	38	10	8	6	259	Jy 291	Fe 197	304	304	.....	.....	.....	515,775
51	Copper, tin, and sheet-iron work	79	651	98	17	39	12	485	Mh 532	Jy 470	486	447	39	.....	.....	609,544
52	Cotton goods	13	3,589	.....	67	76	22	3,424	De 3,804	Jy 3,204	3,847	1,927	1,655	117	148	8,731,698
53	Druggists' preparations	12	1,007	11	49	286	95	566	Ja 644	De 501	570	208	362	.....	.....	2,889,987
54	Dyeing and finishing textiles	4	97	2	5	3	.....	87	Fe 95	Jy 71	90	71	18	.....	1	140,909
55	Electrical machinery, apparatus, and supplies.	6	108	7	31	3	1	66	Jy 71	No [4] 59	62	57	3	2	.....	111,293
56	Electroplating	6	38	8	1	.....	1	28	Oc [4] 30	My 24	29	27	.....	2	.....	13,615
57	Engines, steam, gas, and water	6	62	5	5	2	3	47	Se [4] 48	De [4] 44	44	44	.....	.....	.....	142,025
58	Engraving and diesinking	14	33	16	.....	.....	.....	17	De [4] 20	My 15	18	17	.....	1	.....	14,735
59	Engraving, steel and copper plate, including plate printing.	15	99	13	3	6	11	66	De [4] 69	Au 59	67	44	16	3	4	71,591
60	Fertilizers	48	2,505	42	112	312	48	1,991	Se 2,648	De 1,504	2,011	2,001	10	.....	.....	16,324,989
61	Flavoring extracts	15	77	13	9	22	2	31	Ap 44	Ja 15	29	12	17	.....	.....	87,280
62	Flour-mill and gristmill products	247	853	269	42	56	13	473	Oc 494	Je 448	500	496	2	2	.....	3,835,016

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

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

EXPENSES.										POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																
$7,596,681	$10,412,089	$53,792,339	$3,223,268	$2,337,209	$9,139,692	$231,246,890	$7,725,083	$377,749,078	$138,777,105	263,753	196,199	15,376	9,935	42,243	75,464	1
1,678	.....	16,793	.....	1,136	242	28,324	636	65,672	36,712	53	.....	9	.....	44	.....	2
11,004	8,596	35,041	7,300	3,857	601	60,301	1,561	209,919	148,057	83	.....	35	.....	48	.....	3
10,683	8,209	57,527	.....	6,583	2,013	95,398	3,296	230,403	131,709	86	.....	18	.....	68	.....	4
6,996	6,344	37,919	.....	6,821	517	139,920	641	240,114	99,553	16	.....	.....	.....	16	.....	5
1,800	815	46,874	.....	1,471	1,242	69,519	716	145,496	75,261	40	40	.....	.....	.....	.....	6
25,320	9,984	40,714	.....	5,000	1,779	250,352	4,100	351,772	97,320	225	95	130	.....	.....	.....	7
4,010	7,040	103,266	160	9,831	676	62,977	3,168	252,296	186,151	88	10	8	.....	70	.....	8
27,930	31,297	278,256	.....	9,994	4,730	815,914	8,514	1,447,174	622,746	242	75	12	.....	155	.....	9
7,846	520	68,091	.....	878	1,740	134,908	2,293	251,166	113,965	161	100	54	.....	7	.....	10
65,877	47,995	292,075	281	34,765	6,303	608,562	16,537	1,279,426	654,327	611	355	79	.....	177	109	11
132,769	27,254	707,132	7,117	17,366	17,942	2,007,256	5,117	3,368,988	1,356,615	5,133	4,840	.....	.....	293	825	12
49,055	26,782	242,638	.....	7,237	6,847	706,280	46,957	1,173,364	420,127	2,078	293	51	.....	1,734	.....	13
81,671	347,076	1,027,292	1,154	56,530	43,620	4,490,287	139,772	8,097,586	3,467,527	2,220	245	810	.....	1,165	26	14
109,697	33,030	719,858	1,040	4,937	26,898	190,753	307,642	1,645,330	1,146,935	6,258	5,848	23	.....	387	15	15
80,596	23,841	484,970	.....	3,245	19,874	98,517	252,153	1,216,056	865,386	4,841	4,451	3	.....	387	.....	16
29,101	9,189	234,888	1,040	1,692	7,024	92,236	55,489	429,274	281,549	1,417	1,397	20	.....	.....	15	17
15,384	5,174	68,453	2,456	1,386	965	239,205	3,284	379,604	137,115	60	.....	.....	.....	60	.....	18
54,021	106,504	297,069	39,000	6,120	7,382	1,039,396	11,960	1,861,850	810,494	813	621	.....	.....	192	88	19
2,400	200	13,443	565	411	633	194,639	3,949	258,719	60,131	317	283	16	18	.....	.....	20
.....	668	23,421	64	1,020	777	46,023	1,182	97,857	50,652	229	139	89	.....	1	.....	21
266,093	200,428	2,321,019	8,226	79,469	73,799	12,451,186	152,139	17,499,730	4,896,405	10,256	9,602	374	.....	280	236	22
258,827	190,791	2,259,036	8,226	76,989	72,337	12,122,405	148,297	17,047,678	4,776,976	10,053	9,410	368	.....	275	236	23
7,266	9,637	61,983	.....	2,480	1,462	328,781	3,842	452,052	119,429	203	192	6	.....	5	.....	24
1,272	720	12,579	.....	.....	115	34,565	630	45,800	10,605	43	43	.....	.....	.....	5	25
8,420	1,950	49,565	250	300	1,309	92,379	2,341	186,984	92,264	375	375	.....	.....	.....	.....	26
28,164	15,334	362,162	1,659	21,708	9,042	451,819	18,375	1,197,596	727,402	870	135	173	4	558	16	27
20,964	14,034	326,467	1,659	13,878	8,546	409,373	16,173	1,076,285	650,739	821	135	162	4	520	16	28
7,200	1,300	35,695	.....	7,830	496	42,446	2,202	121,311	76,663	49	.....	11	.....	38	.....	29
21,854	10,375	356,023	.....	.....	13,973	228,303	4,465	653,008	420,240	66	.....	.....	.....	66	285	30
61,753	308,394	3,954,705	.....	.....	6,072	8,723,058	156,543	13,229,352	4,349,751	6,056	5,522	21	.....	513	6,582	31
2,000	4,116	24,613	.....	2,900	597	8,578	2,624	70,435	59,233	231	230	.....	.....	1	.....	32
384,890	1,504,084	5,614,428	1,717,249	475,274	60,364	14,911,804	105,513	28,999,838	13,982,521	4,468	3,660	68	.....	740	681	33
317,946	1,489,453	4,465,879	1,708,568	445,780	53,834	14,658,245	82,336	27,110,218	12,369,637	3,869	3,265	45	.....	559	442	34
66,944	14,631	1,148,549	8,681	29,494	6,530	253,559	23,177	1,889,620	1,612,884	599	395	23	.....	181	239	35
.....	1,248	21,209	.....	1,475	37	4,209	1,115	43,480	38,156	17	.....	.....	.....	17	.....	36
103,236	194,095	1,169,527	80,228	107,039	7,159	3,271,101	24,968	6,015,195	2,719,126	475	.....	10	.....	465	.....	37
102,852	194,095	1,143,533	80,228	105,423	7,159	3,271,101	23,603	5,976,968	2,682,264	451	.....	10	.....	441	.....	38
13,586	57,162	343,272	42,866	32,821	2,104	1,102,537	6,622	1,965,243	856,084	102	.....	2	.....	100	.....	39
46,028	84,847	448,828	12,360	38,114	2,421	1,099,656	7,320	2,082,934	975,958	197	.....	.....	.....	197	.....	40
16,400	23,033	180,549	18,945	21,915	1,302	625,582	4,846	1,030,290	399,862	98	.....	8	.....	90	.....	41
18,338	15,369	110,428	6,057	9,233	987	277,910	2,950	575,350	294,490	38	.....	.....	.....	38	.....	42
8,500	13,684	60,456	.....	3,340	345	165,416	1,865	323,151	155,870	16	.....	.....	.....	16	.....	43
384	.....	25,994	.....	1,616	.....	.....	1,365	38,227	36,862	24	.....	.....	.....	24	.....	44
41,884	133,143	83,573	273	13,435	10,193	3,158,297	15,602	4,393,338	1,219,439	494	163	.....	.....	331	1	45
13,261	4,075	20,586	.....	.....	541	256,050	8,522	324,591	60,019	135	100	.....	.....	35	24	46
132,744	216,010	617,821	1,570	73,623	20,894	3,031,629	65,306	4,842,524	1,745,589	2,443	1,245	241	.....	957	430	47
113,189	198,546	465,579	550	60,748	15,360	2,416,371	40,312	3,763,524	1,306,841	1,431	1,041	15	.....	375	270	48
19,555	17,464	152,242	1,020	12,875	5,534	615,258	24,994	1,079,000	438,748	1,012	204	226	.....	582	160	49
15,496	5,255	139,326	.....	8,151	3,515	388,228	2,249	695,790	305,313	328	305	15	.....	8	.....	50
31,792	28,900	323,938	6,725	13,587	6,087	520,046	4,301	1,143,499	619,152	152	20	17	.....	115	.....	51
145,894	77,671	1,239,282	.....	50,486	49,603	4,322,267	130,058	6,790,935	2,338,610	16,975	9,708	.....	2,662	4,605	1,110	52
151,790	356,405	226,925	.....	38,526	20,765	1,302,538	11,008	2,725,251	1,411,705	654	650	.....	.....	4	328	53
12,600	950	40,897	3,600	.....	1,043	91,559	5,116	204,710	108,035	177	137	.....	.....	40	.....	54
11,431	7,329	35,369	429	1,975	1,074	37,487	2,204	121,034	81,343	80	.....	.....	.....	80	.....	55
1,300	391	19,461	250	2,562	5	7,315	1,560	43,472	34,597	57	.....	52	.....	5	.....	56
7,490	3,956	37,567	.....	1,010	1,725	46,637	2,602	121,913	72,674	86	.....	71	.....	15	.....	57
.....	.....	11,364	.....	2,538	.....	3,811	657	37,755	33,287	23	.....	12	.....	11	.....	58
4,420	10,498	30,083	5,835	6,492	180	37,150	1,020	138,148	99,978	21	.....	.....	.....	21	.....	59
286,237	338,028	1,051,920	29,053	32,643	73,721	9,855,633	111,969	13,986,704	4,019,102	7,242	4,081	68	15	3,078	2,192	60
10,488	18,369	11,841	.....	4,008	2,453	95,063	571	166,944	71,310	10	.....	.....	.....	10	.....	61
54,503	54,205	241,132	.....	13,410	23,089	6,842,998	75,562	8,163,869	1,245,309	11,398	5,140	1,473	4,390	395	.....	62

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

[5] None reported for one or more other mon ths.

TABLE 38.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS OR

	INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	Food preparations, not elsewhere specified.	43	455	37	32	31	23	332	Mh 394	Oc 285	370	300	66	2	2	$1,268,025
2	Foundry and machine-shop products.	128	3,307	110	201	287	41	2,668	.....	.....	2,688	2,677	5	6	.....	9,040,500
3	Foundries	13	646	4	29	22	2	589	Fe 689	De 505	599	599	.....	.....	.....	1,489,381
4	Machine-shops	115	2,661	106	172	265	39	2,079	Je 2,242	No 1,895	2,089	2,078	5	6	.....	7,551,119
5	Fur goods	12	71	16	.....	1	7	47	Oc 75	Jy 25	66	30	36	.....	.....	140,118
6	Furnishing goods, men's	15	678	19	15	55	28	561	My 595	De [3] 535	564	110	426	2	26	625,603
7	Furniture	45	2,250	52	54	121	25	1,998	.....	.....	2,005	1,983	11	11	.....	3,477,290
8	Wood, other than rattan and willow.	36	1,698	45	43	89	20	1,501	Fe 1,631	De 1,362	1,514	1,500	10	4	.....	2,501,948
9	Store and office fixtures	9	552	7	11	32	5	497	Se 544	Ja 471	491	483	1	7	.....	975,342
10	Gas and electric fixtures	3	35	2	6	2	.....	25	De [3] 26	Au [3] 24	26	26	.....	.....	.....	13,316
11	Gas, illuminating and heating	18	1,786	3	73	391	85	1,234	My 1,459	Au 1,066	1,237	1,230	1	6	.....	20,663,210
12	Glass	6	1,259	6	22	36	11	1,184	Fe 1,361	Au 581	1,282	1,043	88	149	2	1,109,339
13	Glass, cutting, staining, and ornamenting.	7	69	10	1	2	1	55	Oc 63	No 47	54	43	9	2	.....	45,028
14	Grease and tallow, not including lubricating greases.	7	94	8	9	4	.....	73	Au 77	Je 71	72	72	.....	.....	.....	136,858
15	Hardware	7	135	7	10	5	1	112	My 121	Oc [3] 106	115	115	.....	.....	.....	193,648
16	Hats and caps, other than felt, straw, and wool.	22	143	26	3	10	2	102	My 111	Jy 95	111	82	25	3	1	96,440
17	Hats, straw	7	2,323	3	24	89	34	2,173	De 2,503	Jy 550	2,495	924	1,448	39	84	2,590,897
18	Hosiery and knit goods	10	1,119	5	16	15	6	1,077	Je 1,241	De 906	1,099	252	806	8	33	1,141,063
19	House-furnishing goods, not elsewhere specified.	4	44	5	.....	.....	1	38	(4) 38	(4) 38	38	20	18	.....	.....	37,512
20	Ice, manufactured	62	688	46	60	42	8	532	Au 691	Ja 376	599	592	1	6	.....	3,639,369
21	Instruments, professional and scientific.	5	31	5	2	.....	.....	24	Ja 30	Ap 21	22	19	3	.....	.....	36,833
22	Jewelry	21	167	24	3	13	5	122	No 134	My 114	127	110	7	9	1	360,156
23	Leather, tanned, curried, and finished	10	479	8	11	16	4	440	Je 475	Oc 411	447	440	6	1	.....	2,432,806
24	Lime	25	289	23	13	16	1	236	Ap 305	De 185	252	248	1	3	.....	429,805
25	Liquors, distilled, whisky and brandy.	21	373	7	46	43	3	274	Mh 395	Au 161	353	334	19	.....	.....	6,463,061
26	Liquors, malt	14	1,288	3	64	132	16	1,073	Jy 1,143	De 1,002	1,086	1,085	1	.....	.....	9,888,080
27	Lithographing	6	542	12	19	39	15	457	Jy [3] 485	No [3] 440	447	382	48	16	1	1,094,741
28	Looking-glass and picture frames	11	117	11	1	7	.....	98	Oc 105	Au 94	101	100	.....	1	.....	115,426
29	Lumber and timber products	386	3,222	481	74	34	17	2,616	Ap 2,936	Se 2,380	3,642	3,639	.....	3	.....	2,782,848
30	Lumber, planing-mill products, not including planing mills connected with sawmills.	76	1,847	74	102	128	26	1,517	Au 1,581	De 1,412	1,522	1,498	.....	24	.....	3,509,983
31	Marble and stone work	102	1,190	98	47	43	12	990	.....	.....	1,037	1,025	10	2	.....	2,133,344
32	Marble and stone work, other than slate.	99	1,072	98	41	42	11	880	Ap 918	Fe 841	928	917	10	1	.....	1,833,050
33	Roofing slate	3	118	.....	6	1	1	110	Jy [3] 129	Oc [3] 67	109	108	.....	1	.....	300,294
34	Mattresses and spring beds	17	317	14	16	25	18	244	Oc 256	Fe 231	240	225	12	3	.....	348,385
35	Millinery and lace goods	18	424	18	9	25	12	360	Mh 386	Jy 322	368	43	318	.....	7	361,391
36	Mineral and soda waters	57	273	60	13	11	4	185	Jy 207	Ja 162	185	184	.....	1	.....	366,700
37	Minerals and earths, ground	7	67	3	11	4	.....	49	Je 69	De 23	53	53	.....	.....	.....	170,231
38	Models and patterns, not including paper patterns.	10	46	12	2	.....	.....	32	Jy 34	De [3] 31	31	31	.....	.....	.....	32,430
39	Oil, not elsewhere specified	3	13	3	.....	.....	1	9	(4) 9	(4) 9	9	9	.....	.....	.....	52,907
40	Paints	6	203	15	2	43	10	133	Je 147	De [3] 125	128	98	30	.....	.....	669,349
41	Paper and wood pulp	13	1,655	5	20	41	3	1,586	Oc 1,662	Fe 1,500	1,665	1,508	155	2	.....	9,133,002
42	Patent medicines and compounds	60	673	49	55	86	65	418	Ja 430	Au 405	420	179	232	2	7	1,482,138
43	Paving materials	16	599	7	26	16	2	548	Se 799	Fe 283	620	619	.....	1	.....	1,169,956
44	Perfumery and cosmetics	11	118	8	12	14	15	69	My 76	De [3] 68	68	22	44	.....	2	167,403
45	Photo-engraving	3	83	.....	5	15	5	58	Ap 60	Jy [3] 56	58	56	.....	2	.....	87,925
46	Pickles, preserves, and sauces	20	146	21	5	25	1	94	Je 481	Fe 48	596	216	356	22	2	188,645
47	Plumbers' supplies, not elsewhere specified.	4	562	2	17	19	4	520	No 544	Ja 488	544	536	8	.....	.....	782,218
48	Printing and publishing, book and job.	197	2,970	174	156	219	137	2,284	.....	.....	2,324	1,931	346	43	4	4,439,188
49	Job printing	181	2,729	158	134	187	110	2,140	Oc 2,197	Au 2,082	2,181	1,814	320	43	4	3,990,507
50	Book publishing and printing	3	128	3	6	3	1	115	Ja 120	Au [3] 113	115	93	22	.....	.....	158,446
51	Book publishing without printing.	10	85	13	10	28	26	8	(4) 8	(4) 8	8	4	4	.....	.....	252,545
52	Linotype work and typesetting	3	28	.....	6	1	.....	21	Je [3] 22	De [3] 20	20	20	.....	.....	.....	37,690
53	Printing and publishing, newspapers and periodicals.	134	2,093	96	127	581	153	1,136	.....	.....	1,157	1,030	86	41	.....	2,873,832
54	Printing and publishing	8	1,177	10	39	449	88	591	Ap 604	Au 572	592	585	3	4	.....	1,728,902
55	Printing, publishing, and job printing.	102	781	79	70	69	18	545	No 560	Jy 533	565	445	83	37	.....	1,067,695
56	Publishing without printing	24	135	7	18	63	47	.....	.....	.....	.....	.....	.....	.....	.....	77,235
57	Printing materials	4	19	2	4	1	2	10	De [3] 15	Mh [3] 6	15	14	.....	1	.....	30,258

[1] Owned power only.

[2] Includes rented power, other than electric.

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

EXPENSES.										POWER.						
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines.[1]	Internal combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$66,373	$42,809	$152,173	$2,025	$21,260	$6,179	$2,304,430	$52,619	$2,975,025	$617,976	2,191	498	134	.....	1,559	.....	1
402,526	238,220	1,685,537	36,437	60,238	52,191	3,055,802	149,371	6,615,128	3,409,955	6,111	2,518	527	16	3,050	962	2
51,945	27,876	362,276	.....	3,532	8,583	624,578	67,857	1,256,954	564,519	1,491	462	.....	.....	1,029	365	3
350,581	210,344	1,323,261	36,437	56,706	43,608	2,431,224	81,514	5,358,174	2,845,436	4,620	2,056	527	16	2,021	597	4
.....	3,770	32,851	1,084	8,052	911	75,566	968	164,568	88,034	6	.....	.....	.....	6	.....	5
27,230	61,927	191,523	.....	15,086	1,553	606,660	4,790	1,142,429	530,979	94	35	.....	.....	59	11	6
118,032	132,094	1,012,404	19,890	49,236	21,448	1,788,266	34,548	3,784,496	1,961,682	2,892	1,872	176	.....	844	205	7
96,367	100,723	720,361	14,109	37,076	15,883	1,425,407	27,053	2,854,299	1,401,839	2,392	1,547	131	.....	714	205	8
21,665	31,371	292,043	5,781	12,160	5,565	362,859	7,495	930,197	559,843	500	325	45	.....	130	.....	9
10,500	1,100	14,540	.....	1,740	22	26,769	260	68,739	41,710	13	.....	13	.....	.....	.....	10
85,010	192,502	397,754	92	.....	303,997	353,753	1,051,617	4,156,885	2,751,515	1,677	1,615	18	.....	44	12	11
55,545	49,951	782,860	8	15,944	8,533	272,539	127,004	1,500,982	1,101,439	1,030	365	255	.....	410	118	12
1,300	1,434	26,312	.....	2,734	26	28,027	902	70,671	41,742	5	.....	.....	.....	5	.....	13
18,594	2,580	36,180	4,971	12,575	2,022	192,806	14,306	361,020	153,908	428	253	.....	.....	175	.....	14
7,100	3,176	60,330	2,075	3,611	1,829	65,995	30,613	199,396	102,788	164	96	20	.....	48	1	15
2,050	10,388	57,757	4,540	5,946	547	94,154	1,884	229,635	133,597	20	.....	.....	.....	20	.....	16
275,118	231,778	1,040,024	.....	56,681	27,381	2,368,574	23,651	4,826,039	2,433,814	1,307	1,210	25	.....	72	419	17
24,420	20,331	344,305	150	4,212	3,089	627,747	15,762	1,115,701	472,192	443	320	40	.....	83	214	18
.....	520	26,282	250	4,300	75	36,110	612	88,001	51,279	38	.....	.....	.....	38	.....	19
81,613	34,717	324,800	14,852	11,380	31,547	131,920	289,641	1,562,983	1,141,422	11,463	11,267	106	30	60	1,188	20
810	.....	12,512	.....	1,570	498	9,563	751	38,960	28,646	36	.....	17	.....	19	.....	21
4,368	11,864	89,574	150	7,194	760	112,603	1,345	288,070	174,122	24	.....	.....	.....	24	.....	22
67,077	20,252	228,572	.....	4,596	11,682	2,604,611	24,299	3,485,016	856,106	1,458	1,458	.....	.....	.....	500	23
14,077	11,865	98,642	.....	3,008	2,232	66,030	85,700	389,686	237,956	605	562	43	.....	.....	.....	24
148,736	65,002	279,278	27,737	11,551	4,634,883	1,447,956	95,858	7,259,230	5,715,416	3,244	3,126	34	70	14	216	25
259,450	188,205	945,455	43,794	401	1,333,274	2,019,674	146,470	7,251,866	5,085,722	6,836	5,576	.....	.....	1,260	837	26
52,724	62,854	265,298	9,173	14,585	2,055	394,045	6,496	1,065,392	664,851	411	310	13	.....	88	300	27
1,000	7,150	46,582	.....	9,068	210	101,957	488	193,133	90,688	12	.....	.....	.....	12	.....	28
109,354	66,284	1,094,255	152,139	5,996	22,358	1,165,080	7,752	3,421,779	2,248,947	11,684	11,572	55	37	20	.....	29
158,520	137,388	881,551	12,428	32,616	39,923	2,855,563	25,104	4,932,396	2,051,729	5,907	4,621	343	.....	943	386	30
100,462	58,317	579,250	8,758	26,649	14,377	734,207	48,681	1,830,519	1,047,631	3,212	2,479	15	.....	718	814	31
94,192	57,405	540,103	8,758	26,649	12,112	726,398	42,477	1,756,280	987,405	2,795	2,239	15	.....	541	814	32
6,270	912	39,147	.....	.....	2,265	7,809	6,204	74,239	60,226	417	240	.....	.....	177	.....	33
23,805	26,925	106,741	.....	20,127	2,574	439,441	6,419	784,037	338,177	239	.....	14	.....	225	.....	34
11,932	33,436	106,955	2,962	10,825	2,122	121,867	3,009	451,515	326,639	104	.....	.....	60	44	8	35
10,827	9,558	101,356	.....	11,647	4,118	250,845	5,288	559,481	303,348	178	41	39	.....	98	5	36
9,290	2,648	21,557	1,217	2,220	937	10,968	4,864	56,294	40,462	829	404	.....	370	55	.....	37
2,340	.....	21,089	212	1,924	171	11,079	1,243	52,345	40,023	90	.....	53	.....	37	.....	38
.....	1,200	5,205	.....	1,315	392	95,228	88	120,723	25,407	1	.....	.....	.....	1	.....	39
7,000	45,823	76,953	.....	4,390	3,646	612,291	3,962	962,799	346,546	398	340	33	.....	25	.....	40
93,653	58,879	925,623	.....	1,500	22,971	3,763,604	362,123	6,149,505	2,023,778	15,028	13,754	.....	1,074	200	9,500	41
151,063	127,361	177,592	7,105	19,370	31,288	943,489	10,016	2,958,431	2,004,926	647	393	41	.....	213	.....	42
52,284	16,669	294,622	1,972	5,400	7,203	301,577	82,159	888,399	504,663	3,009	2,683	25	.....	301	733	43
17,595	21,072	27,150	2,356	4,036	1,720	120,145	1,627	286,798	165,026	123	.....	96	1	26	3	44
8,560	16,976	56,513	.....	2,850	382	29,121	1,721	135,930	105,088	13	.....	.....	.....	13	.....	45
8,876	15,559	44,669	289	6,032	1,562	268,644	3,185	385,392	113,563	170	128	10	.....	32	25	46
49,628	18,779	276,880	.....	5,058	3,173	411,043	32,114	882,342	439,185	415	345	50	.....	20	100	47
385,437	271,659	1,394,101	185,475	114,542	24,635	1,958,236	55,509	5,546,639	3,532,894	3,225	595	153	.....	2,477	685	48
319,374	236,520	1,323,496	77,941	102,105	22,098	1,890,843	52,642	5,075,908	3,132,423	3,192	595	153	.....	2,444	685	49
9,877	3,457	51,828	.....	2,800	356	52,947	1,358	157,105	102,800	29	.....	.....	.....	29	.....	50
47,546	31,082	4,544	107,534	8,617	1,903	13,085	375	277,659	264,199	.....	.....	.....	.....	.....	.....	51
8,640	600	14,233	.....	1,020	278	1,361	1,134	35,967	33,472	4	.....	.....	.....	4	.....	52
248,875	729,403	859,570	123,637	105,009	30,501	1,167,896	28,943	4,260,487	3,063,648	3,268	626	153	2	2,487	5	53
127,500	566,002	568,624	22	74,644	21,626	921,807	12,601	2,909,852	1,975,444	2,691	575	20	.....	2,096	.....	54
69,115	50,363	290,946	15,331	19,944	8,167	222,588	16,342	959,866	720,936	577	51	133	2	391	5	55
52,260	113,038	.....	108,284	10,421	708	23,501	.....	390,769	367,268	.....	.....	.....	.....	.....	.....	56
4,515	1,309	5,783	.....	2,040	57	5,587	434	26,296	20,275	21	5	.....	.....	16	.....	57

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

[4] Same number reported throughout the year.

TABLE 38.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS OR

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

	NDUSTRY.	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	Regalia and society badges and emblems.	4	63	3	3	4	4	49	Se 53	De 44	45	24	19	2	.....	$72,690
2	Roofing materials, other than metal.	4	15	2	2	1	.....	10	Se 16	Je 4	11	11	.....	.....	.....	22,432
3	Saddlery and harness	47	304	54	6	43	2	199	Ja 225	Se 166	194	186	8	.....	.....	635,986
4	Sausage, not made in slaughtering and meat-packing establishments.	14	91	13	2	4	1	71	No 74	Au[3] 68	73	73	.....	.....	.....	104,192
5	Shipbuilding, iron and steel	7	2,182	2	52	83	6	2,039	Ja 2,274	De 1,823	2,043	2,030	7	6	.....	4,321,595
6	Shipbuilding, wooden, including boat building.	35	503	42	16	14	2	429	.....	.....	445	444	.....	1	.....	620,466
7	New vessels	12	326	20	9	6	.....	291	Au 319	De 249	292	292	.....	.....	.....	402,456
8	Repair work only	8	85	8	7	5	2	63	Je 93	No 38	72	71	.....	1	.....	93,163
9	Small boats	15	92	14	.....	3	.....	75	My 97	De 44	81	81	.....	.....	.....	124,847
10	Shirts	48	5,522	67	48	149	105	5,153	Mh 5,929	Oc 4,294	5,461	881	4,364	58	158	5,337,550
11	Signs and advertising novelties	5	115	.....	10	9	6	90	Ap 123	De[3] 72	86	72	12	1	1	146,841
12	Silk goods, including throwsters	5	905	5	11	7	8	874	Ap 960	De 678	888	324	368	95	101	712,794
13	Silversmithing and silverware	5	196	2	11	15	20	148	Ja 169	Au 129	147	147	.....	.....	.....	599,724
14	Slaughtering and meat packing	46	1,543	52	56	197	17	1,221	Fe 1,271	Oc 1,170	1,221	1,210	7	3	1	4,419,828
15	Soap	3	30	.....	5	3	3	19	Mh 20	Fe 18	19	19	.....	.....	.....	78,124
16	Stamped and enameled ware, not elsewhere specified.	9	4,647	.....	43	358	91	4,155	Mh 4,476	De 3,715	4,209	3,031	752	303	123	11,482,924
17	Statuary and art goods	3	25	3	.....	1	1	20	Au[3] 25	Oc 14	22	22	.....	.....	.....	17,225
18	Stereotyping and electrotyping	5	74	2	5	6	7	54	Oc 59	De[3] 53	53	53	.....	.....	.....	88,770
19	Stoves and hot-air furnaces and ranges.	7	363	4	18	35	4	302	Ja 324	Au 222	325	324	1	.....	.....	790,999
20	Structural ironwork, not made in steel works or rolling mills.	10	442	9	21	69	13	330	Fe 409	De 234	341	337	1	3	.....	810,084
21	Tinware, not elsewhere specified	26	3,318	16	75	116	39	3,072	Se 3,824	Ja 2,406	3,079	2,474	486	70	49	10,754,625
22	Tobacco, cigars and cigarettes	217	3,673	242	25	161	33	3,212	Mh 3,366	Se 2,909	3,219	1,053	2,143	6	17	4,172,472
23	Tools, not elsewhere specified	5	38	6	3	6	1	22	Au 24	De[3] 21	21	21	.....	.....	.....	49,957
24	Toys and games	4	53	4	2	5	.....	42	Se 83	Fe[3] 12	83	60	22	.....	1	40,009
25	Trunks and valises	7	63	7	5	4	2	45	Au 48	Ja 43	44	40	2	2	.....	25,248
26	Umbrellas and canes	8	594	12	13	64	21	484	Mh 537	De 418	497	129	347	8	13	874,204
27	Varnishes	3	24	4	1	6	1	12	No 14	Jy[3] 11	12	10	2	.....	.....	44,372
28	Vinegar and cider	3	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,912
29	Window shades and fixtures	3	80	2	6	19	6	47	Mh[3] 48	Ja 45	47	27	12	8	.....	264,503
30	Wirework, including woven-wire fencing.	13	95	13	2	2	.....	78	Ap 88	De 71	71	71	.....	.....	.....	62,895
31	Wood, turned and carved	6	36	8	.....	3	.....	25	Oc[3] 26	De[3] 24	25	25	.....	.....	.....	32,929
32	Woolen and worsted goods	3	365	.....	10	4	2	349	Ja 412	De 246	380	282	89	.....	9	570,394
33	All other industries*	179	12,564	131	344	1,100	226	10,763	.....	.....	.....	.....	.....	.....	.....	56,228,565

[1] Owned power only.

[2] Includes rented power, other than electric.

*All other industries embrace—

Agricultural implements 2
Artificial flowers 3
Artificial limbs 1
Automobiles 2
Babbit metal and solder 2
Bags, other than paper 3
Bags, paper, not including bags made in paper mills 4
Baking powders and yeast 4
Bells 1
Belting, leather 2
Billiard tables and materials 1
Blacking, stains, and dressings 2
Bluing 2
Boot and shoe cut stock 1
Boot and shoe findings 2
Butter, reworking 1
Card cutting and designing 1
Carpets, rag 3
Carriages and sleds, children's 3
Cars, steam-railroad, not including operations of railroad companies 1
Cement 3
Chemicals 3
China decorating, not including that done in potteries 1
Cleansing and polishing preparations 2
Clocks 1
Coffins, burial cases, and undertakers' goods 3
Coke, not including gas-house coke 1
Cordials and flavoring sirups 3
Cutlery and edge tools 2
Dairymen's supplies, other than cream separators 1
Drug grinding 2
Enameling 2
Engraving, wood 1
Fancy articles, not elsewhere specified 4
Feathers and plumes 1
Fireworks 1
Flags and banners 1
Foundry supplies 1
Furs, dressed 1
Galvanizing 2
Gas machines and gas and water meters 2
Gloves and mittens, leather 2
Glucose and starch 1
Glue, not elsewhere specified 1
Gold, leaf and foil 1
Gold and silver, reducing and refining, not from the ore 1
Hair work 2
Hand stamps 2
Hats, fur-felt 1
Iron and steel, blast furnaces 2
Iron and steel, steel works and rolling mills 3
Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills 1

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).		
$4,050	$5,248	$20,920	.....	$2,140	$756	$48,489	$584	$100,557	$51,484	10	.....	.....	.....	10	.....	1
1,170	348	5,659	$500	988	202	5,142	549	15,724	10,033	72	72	.....	.....	.....	.....	2
7,660	41,190	108,420	589	9,543	6,936	424,380	3,576	735,048	307,092	157	115	10	.....	32	47	3
3,788	1,892	39,917	.....	485	985	362,725	6,592	492,601	123,284	224	105	30	.....	89	.....	4
91,206	47,055	1,323,696	.....	2,200	20,337	1,705,212	65,049	3,776,809	2,006,548	4,749	4,177	50	.....	522	2,301	5
16,540	9,659	249,773	.....	10,802	5,435	323,658	7,911	744,360	412,791	1,230	620	180	.....	430	132	6
11,600	6,158	172,439	.....	5,897	3,056	256,775	5,361	522,677	260,541	854	490	72	.....	292	132	7
4,940	953	38,302	.....	60	1,999	30,156	983	114,004	82,865	254	90	32	.....	132	.....	8
.....	2,548	39,032	.....	4,845	380	36,727	1,567	107,679	69,385	122	40	76	.....	6	.....	9
90,740	245,487	1,702,548	195,883	98,487	14,648	5,538,906	41,894	10,048,037	4,467,237	1,642	1,021	178	.....	443	433	10
17,648	7,604	48,690	600	2,124	613	83,471	3,635	187,512	100,406	123	105	.....	.....	18	.....	11
37,800	7,682	282,760	84,677	130	3,935	405,657	17,858	910,882	487,367	1,012	860	.....	.....	152	.....	12
35,913	25,091	102,309	150	17,200	4,323	111,219	2,530	347,375	233,626	155	130	.....	.....	25	313	13
134,128	244,644	748,963	.....	40,215	28,585	13,619,908	147,061	16,607,367	2,840,398	3,878	3,030	50	.....	798	996	14
5,640	3,040	8,981	.....	1,779	331	77,111	1,821	108,640	29,708	155	155	.....	.....	.....	.....	15
203,709	530,818	2,287,143	266,215	8,330	80,175	7,254,114	118,119	12,615,349	5,243,116	4,838	4,815	.....	.....	23	2,910	16
.....	1,218	10,589	208	2,000	33	9,764	131	24,940	15,045	.....	.....	.....	.....	.....	.....	17
10,786	7,071	37,736	205	3,061	462	66,271	3,286	146,965	77,408	78	.....	14	.....	64	.....	18
38,036	32,302	177,930	2,500	5,945	6,964	237,305	8,419	650,323	404,599	277	220	12	.....	45	.....	19
33,203	74,878	232,392	40,511	7,943	4,379	569,161	9,376	1,174,444	595,907	1,034	75	30	.....	929	88	20
179,763	136,133	1,466,897	13,656	58,989	32,010	8,741,644	78,714	11,732,273	2,911,915	2,318	652	78	.....	1,588	155	21
49,269	199,097	1,183,726	750	57,623	662,457	2,434,744	19,511	5,361,600	2,907,345	354	203	.....	.....	151	122	22
4,900	4,734	10,466	.....	2,142	412	29,212	1,511	69,664	38,941	21	8	13	.....	.....	.....	23
2,080	5,200	13,742	.....	1,110	109	22,998	465	68,233	44,770	11	.....	.....	.....	11	.....	24
4,240	3,586	20,480	.....	8,278	354	29,536	424	78,161	48,201	6	.....	.....	.....	6	.....	25
19,594	110,745	172,215	142	19,663	3,496	982,519	4,853	1,601,874	614,502	123	75	.....	.....	48	.....	26
1,927	3,172	5,499	.....	915	323	52,863	394	64,642	11,385	55	.....	.....	.....	55	.....	27
.....	.....	.....	.....	.....	26	1,050	157	2,213	1,006	22	.....	22	.....	.....	.....	28
19,000	32,386	24,101	.....	7,500	1,753	401,325	1,048	525,346	122,973	12	.....	.....	.....	12	.....	29
3,224	1,300	41,498	349	5,817	501	40,309	1,874	122,000	79,817	102	40	20	.....	42	.....	30
.....	3,380	14,108	.....	2,000	189	34,189	42	69,869	35,638	30	30	.....	.....	.....	.....	31
44,100	6,625	141,949	597	2,640	2,517	454,731	7,415	692,914	230,768	1,420	240	.....	1,180	.....	30	32
951,745	1,403,353	6,007,495	35,474	122,892	1,083,130	71,774,085	2,857,743	91,949,567	17,317,739	68,731	56,324	8,259	6	4,142	37,736	33

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

Iron and steel, forgings, not made in steel works or rolling mills..... 1
Iron and steel, nails and spikes, cut and wrought, including wire nails not made in steel works or rolling mills..... 1
Iron and steel, cast-iron pipe..... 1
Japanning..... 2
Jewelry and instrument cases..... 1
Jute goods..... 1
Labels and tags..... 1
Lamps..... 3
Lead, bar, pipe, and sheet..... 1
Leather goods, not elsewhere specified 2
Mirrors, framed and unframed..... 2
Mucilage and paste..... 1
Musical instruments and materials, not specified..... 2
Musical instruments, organs..... 3
Musical instruments, pianos..... 3
Musical instruments, piano and organ materials..... 2
Nets and seines..... 2
Oakum..... 1
Oleomargarine..... 1
Optical goods..... 2
Ordnance and accessories..... 1
Petroleum, refining..... 3
Pipes, tobacco..... 1
Plated ware..... 3
Poultry, killing and dressing..... 1
Pottery..... 3
Printing and publishing, music..... 2
Pulp wood..... 1
Pumps, with power other than steam. 1
Refrigerators..... 1
Rubber goods, not elsewhere specified 1
Safes and vaults..... 1
Saws..... 2
Smelting and refining, copper..... 1
Smelting and refining, not from the ore..... 1
Soda-water apparatus..... 1
Sporting and athletic goods..... 1
Stationery goods, not elsewhere specified..... 1
Steam fittings, and steam and hot-water heating apparatus..... 1
Stencils and brands..... 2
Stoves, gas and oil..... 1
Sulphuric, nitric, and mixed acids.... 1
Surgical appliances..... 3
Suspenders, garters, and elastic woven goods..... 2
Tin plate and terneplate..... 1
Tobacco, chewing and smoking..... 2
Type founding..... 1
Upholstering materials, curled hair.. 2
Wall plaster..... 1
Watches..... 2
Whips..... 1
Window and door screens..... 2
Wooden goods, not elsewhere specified. 2

TABLE 38.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS OR

	INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	**BALTIMORE**—All industries	2,502	87,453	2,548	2,154	6,899	2,083	73,769	Se 76,574	De 69,732	77,189	47,613	26,926	1,408	1,242	$177,301,333
2	Automobile repairing	12	92	11	8	4	3	66	Se [3] 69	Ja 62	69	68	.....	1	.....	120,742
3	Awnings, tents, and sails	13	79	13	6	5	2	53	Je 64	Ja [3] 40	54	44	10	.....	.....	95,703
4	Belting, woven	3	144	6	8	7	4	119	Fe 136	De 96	114	33	74	2	5	380,923
5	Boxes, cigar	5	180	4	6	.....	1	169	De 173	Jy 166	173	75	90	2	6	130,677
6	Boxes, wooden packing	14	1,295	8	41	23	4	1,219	Au 1,282	De 1,166	1,161	1,062	1	98	.....	1,223,709
7	Bread and other bakery products	363	2,502	376	29	359	106	1,632	Jy 1,689	Ja 1,559	1,663	1,370	240	28	25	3,853,763
8	Brooms	13	91	11	8	1	1	70	No 84	Ja [3] 61	84	75	7	2	.....	71,376
9	Canning, fruits and vegetables	29	3,588	21	78	153	46	3,290	Se 6,142	Mh 1,539	5,025	1,627	3,244	69	85	3,955,380
10	Carriages, wagons, and repairs	53	504	57	16	14	5	412	Je 430	De 388	409	406	1	2	.....	658,778
11	Cars and general shop construction and repairs by steam-railroad companies.	7	3,728	.....	10	226	2	3,490	Ja 3,771	De 2,813	3,499	3,481	11	7	.....	2,797,693
12	Cloth, sponging and refinishing	3	55	8	1	6	1	39	De [3] 40	Au 35	40	21	.....	19	.....	80,552
13	Clothing	334	18,090	465	202	1,228	425	15,770	Fe 17,042	No 12,931	16,075	6,968	8,742	185	180	19,749,353
14	Clothing, men's, buttonholes	15	67	15	.....	1	1	50	Jy 53	Mh 46	49	34	13	2	.....	16,617
15	Coffee and spice, roasting and grinding	14	310	14	14	101	12	169	Se 174	De 165	165	103	56	5	1	1,643,453
16	Confectionery and ice cream	75	2,028	73	71	179	66	1,639	.....	.....	1,876	819	877	31	149	2,795,289
17	Confectionery and chewing gum	60	1,767	59	59	163	54	1,432	Oc 1,674	Jy 1,017	1,673	628	865	31	149	2,302,058
18	Ice cream	15	261	14	12	16	12	207	Au 256	Ja 176	203	191	12	.....	.....	493,231
19	Cooperage, hogsheads and barrels	14	152	16	4	5	3	124	Je 143	Ja [3] 87	131	131	.....	.....	.....	256,141
20	Copper, tin, and sheet-iron work	70	583	86	17	35	11	434	Mh 482	Au 415	434	395	39	.....	.....	490,078
21	Druggists' preparations and perfumery and cosmetics.	20	1,111	16	58	298	110	629	Ja 706	De 563	632	229	401	.....	2	2,996,481
22	Electrical machinery, apparatus, and supplies.	6	108	7	31	3	1	66	Jy 71	No [3] 59	62	57	3	2	.....	111,293
23	Electroplating	6	38	8	1	.....	1	28	Oc [3] 30	My 24	29	27	.....	2	.....	13,615
24	Engraving and diesinking	14	33	16	.....	.....	.....	17	De [3] 20	My 15	18	17	.....	1	.....	14,735
25	Engraving, steel and copper plate, including plate printing.	15	99	13	3	6	11	66	De [3] 69	Au 59	67	44	16	3	4	71,591
26	Fertilizers	8	998	2	36	158	21	781	Ap 971	De 618	760	750	10	.....	.....	7,543,496
27	Flavoring extracts	15	77	13	9	22	2	31	Ap 44	Ja 15	29	12	17	.....	.....	87,280
28	Food preparations, not elsewhere specified.	35	402	32	30	29	22	289	Mh 352	Oc 245	324	261	59	2	2	1,045,615
29	Foundry and machine-shop products.	69	2,425	57	150	228	26	1,964	.....	.....	1,959	1,952	5	2	.....	6,559,791
30	Foundries	5	294	2	16	6	1	269	Fe 316	De 236	272	272	.....	.....	.....	377,320
31	Machine shops	64	2,131	55	134	222	25	1,695	Je 1,831	Oc 1,518	1,687	1,680	5	2	.....	6,182,471
32	Fur goods	12	71	16	.....	1	7	47	Oc 75	Jy 25	66	30	36	.....	.....	140,118
33	Furnishing goods, men's	15	678	19	15	55	28	561	My 595	De [3] 535	564	110	426	2	26	625,603
34	Furniture	34	1,560	44	34	99	19	1,364	Mh 1,415	De 1,257	1,349	1,331	9	9	.....	2,556,490
35	Gas and electric fixtures	3	35	2	6	2	.....	25	De [3] 26	Fe [3] 24	26	26	.....	.....	.....	13,316
36	Hats and caps, other than felt, straw, and wool.	22	143	26	3	10	2	102	My 111	Jy 95	111	82	25	3	1	96,440
37	Hats, straw	7	2,323	3	24	89	34	2,173	De 2,503	Jy 550	2,495	924	1,448	39	84	2,590,897
38	House-furnishing goods, not elsewhere specified.	4	44	5	.....	.....	1	38	(4) 38	(4) 38	38	20	18	.....	.....	37,512
39	Ice, manufactured	12	365	1	24	31	2	307	Jy 381	De 240	325	324	1	.....	.....	2,253,669
40	Instruments, professional and scientific.	5	31	5	2	.....	.....	24	Ja 30	Ap 21	22	19	3	.....	.....	36,833
41	Liquors, distilled, whisky	4	108	.....	10	11	2	85	Ja [3] 112	Au 56	93	84	9	.....	.....	2,368,681
42	Liquors, malt	7	817	2	30	78	10	697	Je 734	De [3] 655	709	709	.....	.....	.....	6,767,474
43	Lithographing	6	542	12	19	39	15	457	Jy [3] 485	No [3] 440	447	382	48	16	1	1,094,741
44	Looking-glass and picture frames	11	117	11	1	7	.....	98	Oc 105	Au 94	101	100	.....	1	.....	115,426
45	Lumber, planing-mill products, not including planing mills connected with sawmills.	25	981	22	41	89	9	820	Oc 857	Fe 786	811	798	.....	13	.....	1,781,159
46	Marble and stone work	51	707	47	23	36	10	591	Oc 631	Fe 567	621	612	9	.....	.....	1,219,203
47	Mattresses and spring beds	14	296	11	14	25	15	231	Oc [3] 239	Fe 220	226	213	10	3	.....	311,942
48	Mineral and soda waters	25	189	27	9	6	2	145	Se [3] 158	Ja 132	138	138	.....	.....	.....	248,649
49	Models and patterns, not including paper patterns.	10	46	12	2	.....	.....	32	Jy 34	De [3] 31	31	31	.....	.....	.....	32,430
50	Paints	6	203	15	2	43	10	133	Je 147	De [3] 125	128	98	30	.....	.....	669,349
51	Patent medicine and compounds	51	648	40	54	85	64	405	Ja 412	Au 398	401	163	229	2	7	1,431,105
52	Photo-engraving	3	83	.....	5	15	5	58	Ap 60	Jy [3] 56	58	56	.....	2	.....	87,925
53	Printing and publishing, book and job.	170	2,843	141	150	209	137	2,206	Oc 2,261	Au 2,144	2,242	1,866	330	42	4	4,243,775
54	Printing and publishing, newspapers and periodicals.	37	1,416	23	70	529	138	656	.....	.....	659	639	11	9	.....	1,924,912
55	Printing and publishing	5	1,166	8	39	449	88	582	Ap [3] 594	Au 563	583	579	.....	4	.....	1,721,155
56	Printing, publishing, and job printing.	11	115	8	13	17	3	74	Ja [3] 76	No 70	76	60	11	5	.....	127,272
57	Publishing without printing	21	135	7	18	63	47	.....	.....	.....	.....	.....	.....	.....	.....	76,485
58	Printing materials	4	19	2	4	1	2	10	De [3] 15	Mh [3] 6	15	14	.....	1	.....	30,258

[1] Owned power only.

[2] Includes rented power, other than electric.

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.																
$5,168,966	$8,299,623	$35,509,234	$2,848,836	$2,080,208	$4,881,607	$117,400,228	$3,132,991	$215,171,530	$94,638,311	99,869	65,652	3,494	34	30,689	21,261	1
7,833	2,815	39,329	.....	4,123	1,498	51,466	1,993	145,233	91,774	45	.....	5	.....	40	.....	2
6,996	6,344	32,810	.....	6,538	454	125,070	499	206,480	80,911	9	.....	.....	.....	9	.....	3
25,320	9,984	40,714	.....	5,000	1,779	250,352	4,100	351,772	97,320	225	95	130	.....	.....	.....	4
7,846	520	67,687	.....	878	1,719	131,133	2,195	244,516	111,188	148	100	46	.....	2	.....	5
111,176	20,072	508,918	1,945	16,016	14,837	1,552,819	276	2,520,846	967,751	4,133	4,125	.....	.....	8	825	6
76,021	325,857	819,577	285	46,120	36,608	3,646,306	104,741	6,606,445	2,855,398	1,817	197	688	.....	932	.....	7
10,784	1,144	34,305	2,456	1,079	279	131,422	1,487	208,122	75,213	26	.....	.....	.....	26	.....	8
147,951	129,053	994,088	4,450	68,247	39,018	5,420,737	67,952	7,497,337	2,008,648	1,834	1,688	8	.....	138	236	9
24,194	14,254	253,826	352	17,888	6,428	261,144	13,310	778,701	504,247	575	90	16	.....	469	16	10
23,730	216,020	2,361,655	.....	.....	1,083	7,328,112	102,510	10,038,911	2,608,289	3,328	3,218	.....	.....	110	5,034	11
2,000	4,116	24,613	.....	2,900	597	8,578	2,624	70,435	59,233	231	230	.....	.....	1	.....	12
479,142	1,691,656	6,748,372	1,797,477	581,692	67,056	18,103,912	128,584	34,859,903	16,627,407	4,892	3,660	47	.....	1,185	681	13
.....	1,248	21,209	.....	1,475	37	4,209	1,115	43,480	38,156	17	.....	.....	.....	17	.....	14
41,884	133,143	83,573	273	13,435	10,193	3,158,297	15,602	4,393,338	1,219,439	494	163	.....	.....	331	1	15
130,494	211,102	584,826	500	62,231	19,221	2,861,796	60,147	4,551,859	1,629,916	2,046	1,176	36	.....	834	430	16
113,189	195,708	459,919	500	54,986	15,147	2,391,851	39,762	3,716,570	1,284,957	1,419	1,041	15	.....	363	270	17
17,305	15,394	124,907	.....	7,245	4,074	469,945	20,385	835,289	344,959	627	135	21	.....	471	160	18
6,636	3,203	69,758	.....	3,047	1,781	128,085	949	306,000	176,966	122	105	15	.....	2	.....	19
31,792	26,156	293,614	6,600	12,909	5,603	438,190	3,569	996,116	554,357	126	20	17	.....	89	.....	20
167,365	377,193	248,831	2,356	41,750	22,336	1,398,421	12,493	2,975,269	1,564,355	775	650	96	1	28	331	21
11,431	7,329	35,369	429	1,975	1,074	37,487	2,204	121,034	81,343	80	.....	.....	.....	80	.....	22
1,300	391	19,461	250	2,562	5	7,315	1,560	43,472	34,597	57	.....	52	.....	5	1	23
.....	.....	11,364	.....	2,338	.....	3,811	657	37,755	33,287	23	.....	12	.....	11	.....	24
4,420	10,498	30,083	5,835	6,492	180	37,150	1,020	138,148	99,978	21	.....	.....	.....	21	.....	25
111,181	182,545	405,327	14,837	13,307	31,163	4,107,299	42,625	6,200,678	2,050,754	2,581	1,385	.....	.....	1,196	821	26
10,488	18,369	11,841	.....	4,008	2,453	95,063	571	166,944	71,310	10	.....	.....	.....	10	.....	27
62,293	41,246	134,094	2,025	20,719	5,606	2,226,708	45,359	2,827,129	555,062	2,059	369	132	.....	1,558	.....	28
321,324	177,103	1,274,384	35,087	52,808	39,647	2,146,568	87,172	4,809,977	2,576,237	3,949	1,472	363	.....	2,114	410	29
27,055	4,430	163,200	.....	2,324	4,366	139,406	24,717	416,366	252,243	394	105	.....	.....	289	80	30
294,269	172,673	1,111,184	35,087	50,484	35,281	2,007,162	62,455	4,393,611	2,323,994	3,555	1,367	363	.....	1,825	330	31
.....	3,770	32,851	1,084	8,052	911	75,566	968	164,568	88,034	6	.....	.....	.....	6	.....	32
27,230	61,927	191,523	.....	15,086	1,553	606,660	4,790	1,142,429	530,979	94	35	.....	.....	59	11	33
91,445	104,362	732,867	19,890	47,452	16,279	1,206,650	24,042	2,732,118	1,501,426	1,787	862	176	.....	749	.....	34
10,500	1,100	14,540	.....	1,740	22	26,769	260	68,739	41,710	13	.....	13	.....	.....	.....	35
2,050	10,388	57,757	4,540	5,946	547	94,154	1,884	229,635	133,597	20	.....	.....	.....	20	.....	36
275,118	231,778	1,040,024	.....	56,681	27,381	2,368,574	23,651	4,826,039	2,433,814	1,307	1,210	25	.....	72	419	37
.....	520	26,282	250	4,300	75	36,110	612	88,001	51,279	38	.....	.....	.....	38	.....	38
55,376	27,598	196,093	1,577	3,445	22,200	69,360	182,373	999,718	747,985	6,913	6,903	.....	.....	10	1,074	39
810	.....	12,512	.....	1,570	498	9,563	751	38,960	28,646	36	.....	17	.....	19	.....	40
28,375	21,198	65,866	24,000	2,300	1,340,531	396,670	21,562	2,106,338	1,688,106	698	688	.....	.....	10	15	41
110,858	121,862	661,004	50	401	907,547	1,319,247	98,737	4,723,961	3,305,977	4,085	3,013	.....	.....	1,072	569	42
52,724	62,854	265,298	9,173	14,585	2,055	394,045	6,496	1,065,392	664,851	411	310	13	.....	88	300	43
1,000	7,150	46,582	.....	9,068	210	101,957	488	193,133	90,688	12	.....	.....	.....	12	.....	44
77,741	100,739	485,675	.....	26,240	19,814	1,388,419	12,054	2,506,790	1,106,317	2,452	1,980	69	.....	403	382	45
67,330	53,469	404,221	7,504	18,209	8,582	556,931	24,528	1,301,070	719,611	1,746	1,329	2	.....	415	814	46
21,885	25,749	101,054	.....	19,977	2,310	410,979	6,187	737,628	320,462	219	.....	14	.....	205	.....	47
6,827	5,636	84,021	.....	9,626	2,892	196,127	4,176	430,941	230,638	116	30	15	.....	71	5	48
2,340	.....	21,089	212	1,924	171	11,079	1,243	52,345	40,023	90	.....	53	.....	37	.....	49
7,000	45,823	76,953	.....	4,390	3,646	612,291	3,962	962,799	346,546	398	340	33	.....	25	.....	50
149,786	126,334	171,620	5,912	18,564	31,035	916,688	9,125	2,902,561	1,976,748	562	365	9	.....	188	.....	51
8,560	16,976	56,513	.....	2,850	382	29,121	1,721	135,930	105,088	13	.....	.....	.....	13	.....	52
377,339	268,502	1,352,409	184,040	112,048	23,419	1,904,785	53,486	5,376,142	3,417,871	3,139	585	143	.....	2,411	685	53
192,920	689,703	610,207	113,553	88,374	24,695	974,973	14,705	3,456,777	2,467,099	2,729	575	8	.....	2,146	.....	54
127,500	566,002	564,718	.....	74,403	21,586	920,432	12,524	2,901,594	1,968,638	2,679	575	8	.....	2,096	.....	55
13,160	10,663	45,489	8,220	3,550	2,401	31,040	2,181	168,623	135,402	50	.....	.....	.....	50	.....	56
52,260	113,038	.....	105,333	10,421	708	23,501	.....	386,560	363,059	.....	.....	.....	.....	.....	.....	57
4,515	1,309	5,783	.....	2,040	57	5,587	434	26,296	20,275	21	5	.....	.....	16	.....	58

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

[4] Same number reported throughout the year.

TABLE 38.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS OR

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.		WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
	BALTIMORE—Continued.																	
1	Regalia and society badges and emblems.	4	63	3	3	4	4	49	Se	53	De	44	45	24	19	2	.....	$72,690
2	Saddlery and harness	31	254	35	3	43	2	171	Ja	200	Se	137	164	156	8	.....	.....	491,527
3	Sausage, not made in slaughtering and meat-packing establishments	14	91	13	2	4	1	71	No	74	Au [3]	68	73	73	.....	.....	.....	104,192
4	Shipbuilding, wooden, including boat building.	11	226	17	8	7	.....	194	Ap	229	Fe	155	210	210	.....	.....	.....	347,505
5	Shirts	19	4,755	29	30	147	100	4,449	Mh	4,975	Oc	3,736	4,449	804	3,439	58	148	5,099,230
6	Silversmithing and silverware	5	196	2	11	15	20	148	Ja	169	Au	129	147	147	.....	.....	.....	599,724
7	Slaughtering and meat packing	37	826	40	34	112	9	631	Fe	655	Se	603	620	609	7	3	1	2,226,134
8	Soap	3	30	.....	5	3	3	19	Mh	20	Fe	18	19	19	.....	.....	.....	78,124
9	Stereotyping and electrotyping	5	74	2	5	6	7	54	Oc	59	De [3]	53	53	53	.....	.....	.....	88,770
10	Tobacco, cigars and cigarettes	174	3,396	195	23	157	33	2,988	Mh	3,140	Se	2,700	2,951	842	2,086	6	17	3,987,738
11	Toys and games	4	53	4	2	5	.....	42	Se	83	Fe [3]	12	83	60	22	.....	1	40,009
12	Trunks and valises	7	63	7	5	4	2	45	Au	48	Ja	43	44	40	2	2	.....	25,248
13	Umbrellas and canes	8	594	12	13	64	21	484	Mh	537	De	418	497	129	347	8	13	874,204
14	Varnishes	3	24	4	1	6	1	12	No	14	Jy [3]	11	12	10	2	.....	.....	44,372
15	Window shades and fixtures	3	80	2	6	19	6	47	Mh [3]	48	Ja	45	47	27	12	8	.....	264,503
16	All other industries *	411	23,684	349	624	1,752	475	20,484	.....		.....		21,198	15,580	4,424	714	480	75,515,332

* All other industries embrace—

Artificial flowers	3
Artificial limbs	1
Automobile bodies and parts	9
Babbit metal and solder	2
Bags, other than paper	3
Bags, paper, not including bags made in paper mills	3
Baking powder and yeast	4
Baskets, and rattan and willow ware	16
Bells	1
Belting, leather	2
Billiard tables and materials	1
Blacking, stains, and dressings	2
Bluing	2
Bookbinding and blank-book making	15
Boot and shoe cut stock	1
Boot and shoe findings	2
Boots and shoes	6
Boxes, fancy and paper	19
Brass and bronze products	13
Brick and tile, sewer pipe, and stove lining	4
Brushes	8
Canning and preserving, fish	1
Card cutting and designing	1
Carpets, rag	3
Carriage and wagon materials	1
Carriages and sleds, children's	3
Cars and general shop construction and repairs by electric-railroad companies	1
Chemicals	3
China decorating, not including that done in potteries	1
Cleansing and polishing preparations	2
Clocks	1
Coffins, burial cases, and undertakers' goods	2
Cordials and flavoring sirups	2
Cotton goods	3
Cutlery and edge tools	2
Drug grinding	2
Dyeing and finishing textiles, exclusive of that done in textile mills	2
Enameling	2
Engines, steam, gas, and water	5
Engraving, wood	1
Fancy articles, not elsewhere specified	4
Feathers and plumes	1
Fireworks	1
Flags and banners	1
Flour-mill and gristmill products	1
Furs, dressed	1
Galvanizing	2
Gas, illuminating and heating	2
Gas machines and gas and water meters	2
Glass	2
Glass, cutting, staining, and ornamenting	6
Gloves and mittens, leather	1
Glucose and starch	1
Glue, not elsewhere specified	1
Gold, leaf and foil	1
Gold and silver reducing and refining not from the ore	1
Grease and tallow, not including lubricating greases	4
Hair work	2
Hand stamps	2
Hardware	6
Hats, fur felt	1
Hosiery and knit goods	2

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

1	CUMBERLAND	74	3,169	64	70	165	53	2,817	Oc	3,071	De	2,596	3,017	2,587	298	79	53	$5,135,248
2	FREDERICK	57	1,357	63	40	91	17	1,146	Au	1,591	De	974	1,302	970	316	13	3	2,787,832
3	HAGERSTOWN	113	4,030	101	134	174	47	3,574	Fe	3,860	De	3,235	3,676	2,815	776	45	40	6,713,421

[1] Owned power only.

[2] Includes rented power, other than electric.

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.																
$4,050	$5,248	$20,920	.....	$2,140	$756	$48,489	$584	$100,557	$51,484	10	.....	.....	.....	10	.....	1
.....	41,190	94,224	$300	8,748	5,784	381,967	3,084	649,513	264,462	148	115	20	.....	13	47	2
3,788	1,892	39,917	.....	485	985	362,725	6,592	492,601	123,284	224	105	30	.....	89	.....	3
11,620	6,556	121,685	.....	10,208	2,832	149,081	4,084	349,855	196,690	656	305	95	.....	256	.....	4
80,693	240,875	1,528,870	195,883	93,046	13,685	5,363,571	35,680	9,622,233	4,222,982	1,328	900	46	.....	382	423	5
35,913	25,091	102,309	150	17,200	4,323	111,219	2,530	347,375	233,626	155	130	.....	.....	25	313	6
80,218	141,558	374,199	.....	10,715	19,418	7,452,819	61,406	9,011,282	1,497,057	1,898	1,450	.....	.....	448	376	7
5,640	3,040	8,981	.....	1,779	331	77,111	1,821	108,640	29,708	155	155	.....	.....	.....	.....	8
10,786	7,071	37,736	205	3,061	462	66,271	3,286	146,965	77,408	78	.....	14	.....	64	.....	9
48,125	196,172	1,099,469	750	53,696	621,214	2,287,137	18,372	5,032,685	2,727,176	353	203	.....	.....	150	122	10
2,080	5,200	13,742	.....	1,110	109	22,998	465	68,233	44,770	11	.....	.....	.....	11	.....	11
4,240	3,586	20,480	.....	8,278	354	29,536	424	78,161	48,201	6	.....	.....	.....	6	.....	12
19,594	110,745	172,215	142	19,663	3,496	982,519	4,853	1,601,874	614,502	123	75	.....	.....	48	.....	13
1,927	3,172	5,499	.....	915	323	52,863	394	64,642	11,385	55	.....	.....	.....	55	.....	14
19,000	32,386	24,101	.....	7,500	1,753	401,325	1,048	525,346	122,973	12	.....	.....	.....	12	.....	15
1,445,962	1,875,733	9,982,515	404,464	377,259	1,458,315	32,236,842	1,784,819	59,563,358	25,541,697	38,129	25,241	1,036	33	11,819	6,920	16

Iron and steel forgings, not made in steel works or rolling mills 1
Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills .. 1
Japanning 2
Jewelry 20
Jewelry and instrument cases 1
Jute goods 1
Labels and tags 1
Lamps 3
Lead, bar, pipe, and sheet 1
Leather goods, not elsewhere specified 2
Leather, tanned, curried, and finished 4
Lime 3
Lumber and timber products 1
Millinery and lace goods 16
Minerals and earths, ground 1
Mirrors, framed and unframed 2
Mucilage and paste 1
Musical instruments and materials, not specified 2
Musical instruments, organs 2
Musical instruments, pianos 3
Musical instruments, piano materials. 1
Nets and seines 2
Oakum 1
Oil, not elsewhere specified 2
Oleomargarine 1
Optical goods 2
Ordnance and accessories 1
Paper and wood pulp 1
Paving materials 1
Pickles, preserves, and sauces 19
Pipes, tobacco 1
Plated ware 3
Plumbers' supplies, not elsewhere specified 3
Pottery, china ware 1
Printing and publishing, music 2
Pumps, with power other than steam 1
Refrigerators 1
Roofing materials, other than metal .. 3
Safes and vaults 1
Saws 2
Shipbuilding, iron and steel 5
Signs and advertising novelties 4
Smelting and refining, not from the ore 1
Soda-water apparatus 1
Sporting and athletic goods 1
Stamped ware 6
Statuary and art goods 2
Steam fittings and steam and hot-water heating apparatus 1
Stencils and brands 2
Stoves, hot-air furnaces, and ranges .. 5
Stoves, gas and oil 1
Structural ironwork, not made in steel works or rolling mills 9
Surgical appliances 3
Suspenders, garters, and elastic woven goods 2
Tinware, not elsewhere specified 22
Tobacco, chewing and smoking 2
Tools, not elsewhere specified 4
Type founding 1
Upholstering materials, curled hair ... 2
Watches 2
Window and door screens 2
Wirework 11
Wood, turned and carved 5

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																
$153,101	$136,475	$1,519,272	$8,472	$18,721	$129,310	$3,838,097	$155,166	$7,112,609	$3,119,346	8,098	6,553	153	.....	1,392	801	1
63,896	90,947	520,308	1,037	5,119	16,651	2,044,913	69,314	3,167,237	1,053,010	2,681	1,893	70	29	689	15	2
200,728	215,923	1,732,818	100,415	29,818	39,632	4,202,020	115,662	7,412,397	3,094,715	6,425	4,409	317	81	1,618	1,903	3

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

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

CENSUS OF MANUFACTURES: 1914

MASSACHUSETTS

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.

MASSACHUSETTS.

GENERAL STATISTICS.

General character of the state.—Massachusetts, one of the original thirteen states, has a gross area of 8,266 square miles, of which 8,039 represent land surface. It ranks forty-fourth in size among the states. Its inhabitants in 1900 numbered 2,805,346, and in 1910, 3,366,416; and its estimated population in 1914 was 3,605,522. In total population Massachusetts ranked sixth among the states in 1910; and in density of population it ranked second, with 418.8 inhabitants per square mile.

The urban population in 1910—that is, the population residing in incorporated places having 2,500 inhabitants or more—was 3,125,367, or 92.8 per cent of the total, as against 91.5 per cent in 1900. In 1914 there were 60 cities in the state each having an estimated population of more than 10,000, the aggregate population of which formed 80.1 per cent of the estimated total population, and reported 85 per cent of the state's manufactured products.

The steam-railway mileage in 1914 was 2,130, and the electric-railway mileage in 1912 was 2,802. In addition, the transportation facilities provided by the excellent harbors afford exceptional opportunities for foreign and domestic commerce.

The value of merchandise imported during the fiscal year 1914 through the customs districts of Massachusetts was $159,915,970, and the value of merchandise exported during the same year amounted to $65,715,181.

Importance and growth of manufactures.—Massachusetts is preeminently a manufacturing state, and to a very large extent the manufacturing industries depend upon outside localities for the raw material used. The superior and abundant water-power and transportation facilities give the state exceptional opportunities for the most varied manufactures. These natural resources have had a marked influence in the establishment and growth of some of the most important industries in the United States.

In 1914 the state's manufactured products were valued at $1,641,373,047, the average number of wage earners employed in its manufacturing industries was 606,698, and the value added by manufacture, which is the best measure of the importance of manufacturing industries, amounted to $709,989,254. In that year Massachusetts ranked fifth among the states in value of products and fourth in value added by manufacture, while in 1909 it was fourth in both respects. In average number of wage earners it ranked third at both censuses. The value of the state's manufactured products in 1914 represented 6.8 per cent of the total for the United States; the proportions for 1909 and 1904 were 7.2 per cent and 7.6 per cent, respectively.

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

Table 1	MANUFACTURING INDUSTRIES.				PER CENT OF INCREASE.[1]		
	1914	1909	1904	1899	1909–1914	1904–1909	1899–1904
Number of establishments	12,013	11,684	10,723	10,929	2.8	9.0	−1.9
Persons engaged	676,642	644,399	532,481	(2)	5.0	21.0	.....
Proprietors and firm members	10,710	11,194	11,258	(2)	−4.3	−0.6	.....
Salaried employees	59,234	48,646	32,824	25,256	21.8	48.2	30.0
Wage earners (average number)	606,698	584,559	488,399	438,234	3.8	19.7	11.4
Primary horsepower	1,396,722	1,175,071	938,007	796,061	18.9	25.3	17.8
Capital	$1,548,960,733	$1,279,686,558	$965,948,887	$781,867,715	21.0	32.5	23.5
Salaries and wages	425,024,201	364,452,007	272,043,570	224,758,018	16.6	34.0	21.0
Salaries	83,714,684	63,278,543	39,654,624	29,479,742	32.3	59.6	34.5
Wages	341,309,517	301,173,464	232,388,946	195,278,276	13.3	29.6	19.0
Paid for contract work	9,834,358	12,092,607	6,568,988	(2)	−18.7	84.1	.....
Rent and taxes (including internal revenue)	30,376,744	21,295,364	[3] 12,320,129	(2)	42.6	.....	.....
Cost of materials	931,383,793	830,764,943	626,410,431	498,655,033	12.1	32.6	25.6
Value of products	1,641,373,047	1,490,529,386	1,124,092,051	907,626,439	10.1	32.6	23.8
Value added by manufacture (value of products less cost of materials)	709,989,254	659,764,443	497,681,620	408,971,406	7.6	32.6	21.7

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

For 1914 all the items in this table, except proprietors and firm members and amount paid for contract work, show increases over previous censuses; the percentage of increase is, however, considerably greater for the period 1904–1909. The decrease of 484, or 4.3 per cent, in the number of proprietors and firm members from 1909 to 1914 is probably due to the fact that some establishments were incorporated during the period between the censuses and the proprietors and firm members reported in 1909 were returned as salaried employees in 1914. The number of salaried employees increased by 21.8 per cent during the five-year period. The decrease of 18.7 per cent in 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 and not upon 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	12,013	606,698	100.0	$1,641,373,047	100.0	$709,989,254	100.0	3.8	19.7	11.4	10.1	32.6	23.8	7.6	32.6	21.7
Boots and shoes, including cut stock and findings	884	85,114	14.0	255,188,013	15.5	90,946,177	12.8	2.5	18.4	7.5	8.0	36.1	23.0	9.1	32.2	31.7
Cotton goods, including cotton small wares	189	113,559	18.7	197,322,111	12.0	77,487,777	10.9	4.3	22.9	−4.2	5.8	43.4	17.0	−4.7	63.3	−12.2
Woolen, worsted, and felt goods	171	54,255	8.9	130,348,514	7.9	47,271,091	6.7	0.7	22.3	17.2	−8.2	42.9	34.1	−12.4	47.8	26.2
Foundry and machine-shop products	932	41,361	6.8	85,638,612	5.2	54,648,989	7.7	−6.4	23.2	(2)	−1.5	36.4	0.4	−2.0	41.8	1.4
Printing and publishing	1,344	18,170	3.0	56,195,811	3.4	39,378,580	5.5	3.6	16.0	1.4	18.4	20.8	11.8	13.9	21.9	8.3
Slaughtering and meat packing	107	3,582	0.6	54,446,687	3.3	6,970,870	1.0	7.7	9.8	5.3	22.6	16.8	17.5	26.4	33.6	19.1
Leather, tanned, curried, and finished	126	10,164	1.7	45,265,434	2.8	12,071,373	1.7	−0.9	13.0	29.4	13.2	19.9	27.9	7.4	9.0	64.4
Electrical machinery, apparatus, and supplies	91	17,125	2.8	43,869,294	2.7	26,172,387	3.7	18.0	64.9	69.1	55.9	77.2	51.4	69.9	80.0	63.3
Paper and wood pulp	86	13,401	2.2	43,352,545	2.6	16,741,797	2.4	4.3	9.8	29.2	8.1	25.3	44.6	−5.7	26.2	37.6
Bread and other bakery products	1,419	8,083	1.3	33,309,051	2.0	15,037,903	2.1	20.7	20.6	5.8	27.4	40.1	21.0	44.3	31.2	12.2
Boots and shoes, rubber	9	8,087	1.3	23,788,788	1.4	13,333,963	1.9	16.7	−9.7	46.2	27.1	.....	.....	65.0	.....	.....
Cordage and twine and jute and linen goods	20	7,614	1.3	23,280,246	1.4	5,931,971	0.8	20.5	49.3	.....	45.7	12.0	.....	12.0	50.9	.....
Lumber and timber products	589	8,156	1.3	23,012,033	1.4	9,835,388	1.4	−9.1	5.6	5.4	0.1	13.4	24.6	−6.7	15.7	19.2
Rubber goods, not elsewhere specified	42	4,743	0.8	23,011,349	1.4	8,869,611	1.2	38.8	−31.7	−15.8	45.7	12.0	15.3	85.1	−9.1	−1.2
Dyeing and finishing textiles	57	11,437	1.9	22,455,086	1.4	11,466,083	1.6	26.0	20.9	60.5	2.6	98.1	24.6	0.4	66.3	19.3
Confectionery	148	6,787	1.1	20,130,823	1.2	7,843,553	1.1	22.3	33.1	62.0	31.9	63.8	60.8	29.0	59.5	63.3
Clothing, men's, including shirts	227	7,645	1.3	19,613,767	1.2	9,198,642	1.3	4.2	39.4	13.1	7.1	22.8	23.9	7.5	25.2	16.0
Hosiery and knit goods	77	10,635	1.8	17,419,077	1.1	8,152,406	1.1	7.0	22.4	21.6	18.2	46.0	52.0	5.0	53.0	36.3
Gas, illuminating and heating	61	3,182	0.5	15,751,637	1.0	9,800,244	1.4	38.8	24.1	31.1	42.2	37.8	36.9	35.0	47.1	17.1
Liquors, malt	26	2,106	0.3	15,608,044	1.0	10,687,891	1.5	21.1	14.0	−7.6	22.7	14.8	−1.6	17.0	16.5	6.8
Paper goods, not elsewhere specified	60	5,829	1.0	15,579,059	0.9	6,891,854	1.0	13.5	.....	.....	15.1	.....	.....	13.0	.....	.....
Furniture and refrigerators	145	6,954	1.1	14,281,057	0.9	8,423,213	1.2	−4.4	9.8	6.9	3.0	22.1	−1.2	4.5	34.0	−12.3
Jewelry	202	6,505	1.1	14,175,857	0.9	7,465,725	1.0	−12.4	31.9	−11.2	6.8	51.0	−2.2	−22.5	51.9	7.3
Clothing, women's	202	6,076	1.0	13,982,587	0.9	6,318,362	0.9	4.5	23.9	36.3	19.2	34.9	67.2	21.1	33.5	62.3
Cutlery and tools, not elsewhere specified	137	6,485	1.1	12,974,022	0.8	9,580,500	1.3	−3.9	29.1	28.0	11.7	41.0	31.6	17.9	43.6	31.4
Iron and steel, steel works and rolling mills	11	2,889	0.5	11,376,008	0.7	2,574,197	0.4	−7.3	−31.4	−25.5	−16.2	13.6	−10.9	−27.2	−29.0	−14.8
Automobiles, including bodies and parts	66	3,439	0.6	11,198,790	0.7	5,556,358	0.8	−16.9	276.2	263.0	−1.4	326.5	246.3	−5.3	320.6	201.9
Carpets and rugs, other than rag	12	5,319	0.9	10,981,344	0.7	4,313,064	0.6	−10.7	15.0	15.6	−14.3	31.9	39.4	−18.8	76.4	1.2
Silk goods, including throwsters	19	4,495	0.7	10,676,681	0.7	4,715,544	0.7	9.4	26.0	48.6	19.4	27.5	17.7	34.2	23.0	31.8
Chocolate and cocoa products	5	943	0.2	10,209,949	0.6	2,906,742	0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tobacco manufactures	336	3,926	0.6	9,269,400	0.6	5,458,592	0.8	10.6	−0.7	29.9	17.5	19.9	24.2	9.9	21.6	20.6
Cars and general shop construction and repairs by steam-railroad companies	15	6,264	1.0	8,829,665	0.5	4,632,784	0.6	21.3	28.9	32.1	13.0	22.9	71.0	21.0	39.2	40.3
Coffee and spice, roasting and grinding	21	466	0.1	8,675,047	0.5	2,363,105	0.3	24.9	16.9	.....	49.4	58.8	.....	37.1	90.7	.....
Wire	8	2,899	0.5	8,389,073	0.5	3,733,108	0.5	−22.0	514.5	116.8	−12.4	492.5	44.1	7.6	599.3	67.1
Patent medicines and compounds and druggists' preparations	162	1,381	0.2	8,262,960	0.5	4,939,822	0.7	16.7	−1.1	−16.2	11.2	−7.5	21.9	5.0	−1.3	8.1
Musical instruments, pianos and organs and materials	52	3,906	0.6	8,213,341	0.5	4,511,208	0.6	−8.0	1.8	31.4	−9.8	10.0	34.1	−9.0	−4.0	31.5
Canning and preserving	65	1,903	0.3	8,169,014	0.5	2,563,273	0.4	31.3	8.0	−23.1	19.4	4.0	3.8	13.5	28.3	1.4
Furnishing goods, men's	43	3,316	0.5	7,592,118	0.5	3,222,481	0.5	−22.2	362.5	85.3	−36.9	403.6	134.4	−40.1	409.8	172.6
Copper, tin, and sheet-iron products	159	2,688	0.4	7,347,123	0.5	3,836,936	0.5	2.3	46.8	9.1	18.8	49.8	29.9	18.0	38.5	28.7
Belting, leather	20	1,113	0.2	7,297,476	0.4	2,317,236	0.3	16.5	439.5	2.8	29.2	409.7	−4.3	17.0	553.8	−22.9
Boxes, fancy and paper	97	4,244	0.7	7,084,975	0.4	3,413,102	0.5	10.6	26.8	−22.2	23.0	58.4	−12.3	12.3	49.4	−12.4
Motorcycles, bicycles, and parts	6	2,135	0.4	7,021,312	0.4	3,827,348	0.5	153.3	145.1	−78.2	159.5	364.9	−78.6	188.0	353.2	−79.2
Marble and stone work	306	3,858	0.6	6,734,313	0.4	4,849,210	0.7	−23.1	−10.8	13.3	−13.7	1.6	−24.4	−13.6	−5.1	24.7
Chemicals	24	1,395	0.2	6,684,918	0.4	3,330,297	0.5	2.7	57.2	38.9	13.0	67.8	75.3	16.1	43.0	115.7
Stationery goods, not elsewhere specified	27	2,467	0.4	6,511,512	0.4	2,959,442	0.4	37.8	120.2	.....	43.9	229.7	.....	39.0	246.7	.....
Brass, bronze, and copper products	73	1,620	0.3	5,958,863	0.4	2,244,067	0.3	−9.5	14.9	−2.4	−1.4	.....	.....	−5.7	.....	.....
Hats, straw	19	2,383	0.4	5,762,048	0.4	2,557,389	0.4	−10.7	54.9	.....	−12.6	98.1	.....	−12.1	120.0	.....
Silverware and plated ware	17	2,163	0.4	5,542,421	0.3	3,314,836	0.5	−12.3	26.9	58.8	−15.2	33.5	76.8	−13.0	37.0	70.8
Fancy articles, not elsewhere specified	67	2,777	0.5	5,341,576	0.3	2,484,445	0.3	−22.0	46.5	44.3	−19.3	73.1	40.3	−20.0	68.7	38.9
Millinery and lace goods	69	2,026	0.3	4,918,886	0.3	2,032,702	0.3	20.2	−32.6	152.1	23.7	−17.1	163.7	20.0	−12.9	144.9
Wirework, including woven-wire fencing	30	1,950	0.3	4,877,699	0.3	2,546,784	0.4	23.6	−20.7	17.4	50.9	−12.9	23.4	47.0	−4.4	30.6
Paint and varnish	34	490	0.1	4,875,740	0.3	2,254,184	0.3	14.5	−4.0	14.9	40.6	34.8	2.7	61.7	47.7	4.9
Liquors, distilled	7	93	(2)	4,789,601	0.3	3,556,071	0.5	89.8	48.5	13.8	73.8	112.1	51.6	72.0	110.4	79.1
Soap	32	460	0.1	4,671,310	0.3	2,195,290	0.3	0.4	0.7	−13.0	9.1	70.3	1.0	15.2	82.7	18.4
Corsets	11	2,298	0.4	4,580,839	0.3	2,678,903	0.4	15.5	47.6	26.8	22.1	93.4	20.9	24.9	83.5	9.3
Food preparations, not elsewhere specified	68	469	0.1	4,042,622	0.2	2,089,784	0.3	28.1	−26.5	−0.4	58.7	1.8	5.3	66.5	−5.9	−8.4
Leather goods	119	1,430	0.2	4,022,635	0.2	1,803,920	0.2	−16.4	14.2	23.2	−8.0	34.7	.....	−9.2	28.4	.....
Optical goods	13	2,356	0.4	3,993,335	0.2	2,797,749	0.4	−4.2	37.4	31.4	30.6	34.0	27.1	47.6	49.2	35.5
Brushes	29	1,437	0.2	3,910,029	0.2	1,678,619	0.2	−11.8	.....	.....	36.0	.....	.....	10.5	.....	.....

See footnotes at end of table.

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
Blacking and cleansing and polishing preparations	93	572	0.1	$3,841,477	0.2	$1,758,207	0.2	8.5	34.1	14.9	3.4	47.1	42.7	−4.1	62.6	20.1
Flour-mill and gristmill products	105	176	(2)	3,811,377	0.2	387,490	0.1	−23.1	−17.3	−0.4	−17.7	0.3	−14.4	−22.7	−0.8	−43.6
Waste	11	800	0.1	3,779,872	0.2	441,656	0.1	22.3	36.8	.....	13.3	1.2	.....	−42.7	53.3	.....
Sporting and athletic goods	15	1,275	0.2	3,423,980	0.2	1,439,982	0.2	43.1	−7.7	.....	36.4	55.5	.....	12.9	45.2	.....
Firearms	6	2,161	0.4	3,297,419	0.2	2,585,968	0.4	−7.1	−16.9	74.6	−3.3	−15.0	108.0	−2.6	−15.8	122.4
Stoves, hot-air furnaces, and ranges	13	1,446	0.3	2,983,832	0.2	2,091,243	0.3	−15.1	9.3	.....	−15.8	−4.9	.....	−15.1	19.4	.....
Oil, not elsewhere specified	16	303	0.1	2,975,366	0.2	736,064	0.1	3.4	89.0	.....	3.9	58.8	.....	24.5	70.8	.....
Iron and steel, nails and spikes, cut and wrought, including wire nails	28	1,233	0.2	2,847,049	0.2	1,425,799	0.2	9.6	−8.6	.....	−2.8	3.1	.....	0.6	4.9	.....
Carriages and wagons and materials	175	1,348	0.2	2,821,874	0.2	1,682,217	0.2	−12.4	39.2	−22.6	−11.4	−35.3	−21.7	−11.6	−34.2	−17.0
Whips	21	996	0.2	2,804,281	0.2	1,636,352	0.2	−0.9	16.0	24.6	1.1	43.3	17.3	−3.9	45.1	25.9
Confectionery, ice cream	128	475	0.1	2,803,921	0.2	1,228,458	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grease and tallow, not including lubricating greases	33	622	0.1	2,668,048	0.2	838,724	0.1	10.9	−10.1	.....	0.3	−11.9	.....	−7.6	−7.2	.....
Carriages and sleds, children's	8	1,175	0.2	2,644,414	0.2	1,183,957	0.2	36.9	44.7	.....	50.7	86.7	.....	48.0	59.4	.....
Glue, not elsewhere specified	11	563	0.1	2,588,733	0.2	799,986	0.1	10.6	37.9	.....	36.6	29.6	.....	8.7	23.7	.....
Cars and general shop construction and repairs by electric-railroad companies	39	1,705	0.3	2,565,946	0.2	1,362,104	0.2	−0.2	89.1	.....	19.9	115.5	532.5	16.9	91.3	898.4
Toys and games	18	1,381	0.2	2,535,988	0.2	1,407,047	0.2	31.4	60.2	.....	44.8	108.7	.....	57.7	73.5	.....
Mattresses and spring beds	54	740	0.1	2,501,818	0.2	1,045,692	0.1	10.9	6.0	2.1	12.3	2.2	36.1	12.4	8.6	23.5
Mineral and soda waters	171	508	0.1	2,441,676	0.1	1,366,667	0.2	−3.2	10.5	6.7	11.4	22.6	43.0	−1.7	34.3	28.9
Emery and other abrasive wheels	12	902	0.1	2,299,292	0.1	1,432,840	0.2	46.7	50.7	50.6	16.0	98.0	48.7	1.1	105.5	60.8
Iron and steel, bolts, nuts, washers, and rivets	8	1,292	0.2	2,267,090	0.1	1,226,043	0.2	6.2	17.5	9.3	−6.6	18.7	11.4	−16.0	12.0	61.1
Iron and steel forgings	10	683	0.1	2,075,765	0.1	1,236,925	0.2	20.9	73.8	.....	6.5	159.5	.....	20.8	145.0	.....
Cooperage and wooden goods, not elsewhere specified	53	955	0.2	2,060,599	0.1	903,861	0.1	−2.0	−16.4	16.7	6.3	−8.5	37.4	7.0	−18.4	28.1
All other industries	1,592	37,334	6.2	121,521,103	7.4	50,987,030	7.2	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Percentages are based on figures in Table 44; a minus sign (−) denotes decrease; percentages are omitted where base is less than 100, or where comparable figures can not be given.
[2] Less than one-tenth of 1 per cent.

Separate statistics are presented for 81 industries, or industry groups, for each of which products valued at more than $2,000,000 were reported for 1914. These industries include 6 with products exceeding $50,000,000 in value, 10 with products between $20,000,000 and $50,000,000, 14 with products between $10,000,000 and $20,000,000, 19 with products between $5,000,000 and $10,000,000, and 32 with products valued at less than $5,000,000. Among those included under the head of "all other industries" are the following which have products exceeding in value some of those presented in the table for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments: Belting and hose, rubber; cars, steam-railroad; coke; fertilizers; shipbuilding; sugar refining; and watches.

The industries in this table are arranged in the order of their importance as shown by value of products, but the arrangement would vary somewhat from that given if based on average number of wage earners or value added by manufacture. The boot and shoe and the cotton-goods industries, ranking first and second, respectively, in both value of products and value added by manufacture, were second and first, respectively, in average number of wage earners; the woolen and worsted goods and the foundry and machine-shop industries, ranking third and fourth, respectively, in both value of products and number of wage earners, were fourth and third, respectively, in value added by manufacture; printing and publishing ranked fifth in all three respects. A marked variation in these items appears for slaughtering and meat packing, which ranked sixth in value of products, but thirtieth in average number of wage earners and twenty-second in value added by manufacture. The rank of the flour-mill and gristmill industry in value of products, as compared with its relatively low ranking in number of wage earners and value added by manufacture, is due to the fact that in this industry the work is done largely by machinery and comparatively few employees are required. The proportional value added to the raw material by manufacture is very small in comparison with the corresponding proportions for most other industries.

Textiles.—The textile industries of Massachusetts are varied and extensive, embracing the manufacture of cotton goods and cotton small wares; woolen, worsted, and felt goods; wool-felt hats; cordage and twine and jute and linen goods; hosiery and knit goods; carpets and rugs, other than rag; silk goods; fur-felt hats; and wool shoddy. At the census of 1914 these combined industries, numbering 517 establishments, gave employment to an average of 197,348 wage earners, the value of their products amounted to $393,463,952, and the value added by manufacture, $149,257,262. Massachusetts is not only the foremost state in the Union in the production of all textiles combined, but it ranks first as regards cotton goods, woolen and worsted goods, and jute goods; second in cordage and twine, linen goods, felt goods, and wool-

felt hats; and third in carpets and rugs, and hosiery and knit goods.

Boots and shoes, including cut stock and findings.—Of the 884 establishments included under this classification in 1914, 464 were engaged primarily in the manufacture of boots and shoes, giving employment to 76,944 wage earners, and turning out products amounting to $200,529,858. Massachusetts continues to lead all other states in the combined industry and in each of the three branches. In average number of wage earners, value of products, and value added by manufacture, the industry group shows an increase at each successive census. This increase, however, is considerably smaller for the period 1909–1914 than for either of the previous censuses.

Foundry and machine-shop products.—The statistics presented for this classification cover products of great diversity, embracing establishments manufacturing steam and gas engines; steam pumps; gas machines and gas and water meters; hardware; saddlery hardware; plumbers' supplies; and steam fittings and steam and hot-water heating apparatus; structural ironwork, not made in steel works or rolling mills; and automobile repairing in shops where repairs partake of the character of machine-shop work. A number of the establishments assigned to the foundry and machine-shop industry are extensively engaged in the manufacture of machinery for textile mills, boot and shoe factories, and paper and pulp mills. The machinery for these industries used throughout the United States is largely manufactured in Massachusetts.

Printing and publishing.—Under this head are included job printing; the printing and publishing of books, newspapers and periodicals, and music; bookbinding and blank-book making; engraving, steel and copper plate, including plate printing; and lithographing. There was an increase of 18.4 per cent in the value of the products of this industry in 1914 as compared with 1909. The number of wage earners employed and the value added by manufacture also show increases since 1909, but in every case the increases are less than for the period 1904—1909.

Slaughtering and meat packing.—This classification includes establishments doing wholesale slaughtering and meat packing and those engaged exclusively in the manufacture of sausage. The industry shows a substantial increase since 1909; the increase in value of products amounted to $10,043,715, or 22.6 per cent, while the number of wage earners employed and the value added by manufacture increased 7.7 per cent and 26.4 per cent, respectively. The industry as a whole is centered largely in the metropolitan district of Boston.

Leather, tanned, curried, and finished.—Although the number of tanneries decreased from 132 in 1904 and 1909 to 126 in 1914, and there was a slight decrease in average number of wage earners during the later five-year period, the value of products and value added by manufacture show an increase at each census. This industry advanced from eighth place in value of products among the manufacturing industries of the state in 1909 to seventh place in 1914. The value of products represented 12.3 per cent of the total shown for the industry in the United States in 1914.

Electrical machinery, apparatus, and supplies.—The rapid advance in the use of electricity in science and industry has created a great demand for electrical machinery and appliances of all sorts. The industry in Massachusetts shows a remarkable development during the last decade, the value of products having increased nearly threefold, and the average number of wage earners more than doubled. The increase in value of products from 1909 to 1914 amounted to 55.9 per cent.

Paper and wood pulp.—While this industry includes mills which manufacture both paper and pulp or either exclusively, the paper mills greatly predominate. In 1914 Massachusetts led all other states in the manufacture of paper and ranked second in the production of paper and wood pulp combined. It contributed 13.1 per cent of the value of the output of all paper and pulp mills in the United States in that year. There was a considerable increase in the average number of wage earners and value of products during the decade ending with 1914.

Clothing.—While neither the manufacture of men's clothing nor that of women's clothing is among the leading industries of the state, the two industries combined had an output for 1914 valued at $33,596,354 and gave employment to an average of 13,721 wage earners. The increase in value of products from 1909 to 1914 was 11.8 per cent and in number of wage earners, 4.4 per cent. The value of men's clothing has represented the major part of the total value shown for the combined industries at each census, but the manufacture of women's clothing has increased more rapidly, the proportion which the value of its products represents having increased from 30.2 per cent of the total for the industry in 1899 to 41.6 per cent in 1914.

Boots and shoes, rubber.—In 1914 Massachusetts produced 44.2 per cent of the total value of rubber footwear manufactured in the United States. Figures for this industry are comparable for only the later five-year period, as in 1904 some of the establishments in the state reported their products on a list price basis, subject to a large discount, which resulted in an excessive figure; therefore percentages of increase for the periods 1899—1904 and 1904—1909 are not shown.

Manufactures from precious metals.—These manufactures, which in Massachusetts embrace jewelry,

silversmithing and silverware, and plated ware, are somewhat specialized in the state. The three industries combined, in 1914, gave employment to an average of 8,668 wage earners and reported products valued at $19,719,278. Massachusetts ranked third in the value of the output for the three industries combined, producing 16.5 per cent of the total for the United States.

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, of the 676,642 persons engaged in the manufactures of the state, 606,698, or about nine-tenths, were wage earners, 25,182 were proprietors and officials, and 44,762 were clerks and other subordinate salaried employees. Of the wage earners 16 years of age and over, nearly seven-tenths were males and about three-tenths were females. Figures for the sex and age distribution of wage earners for individual industries will be found in Table 45.

Table 3

CLASS.	Census year.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Total.	Male.	Female.	Per cent of total. Male.	Female.
All classes	1914	676,642	470,494	206,148	69.5	30.5
	1909	644,399	447,267	197,132	69.4	30.6
Proprietors and officials	1914	25,182	23,982	1,200	95.2	4.8
	1909	23,985	23,181	804	96.6	3.4
Proprietors and firm members	1914	10,710	10,122	588	94.5	5.5
	1909	11,194	10,695	499	95.5	4.5
Salaried officers of corporations	1914	5,250	5,071	179	96.6	3.4
	1909	4,615	4,481	134	97.1	2.9
Superintendents and managers	1914	9,222	8,789	433	95.3	4.7
	1909	8,176	8,005	171	97.9	2.1
Clerks and other subordinate salaried employees	1914	44,762	28,620	16,142	63.9	36.1
	1909	35,855	22,914	12,941	63.9	36.1
Wage earners (average number)	1914	606,698	417,892	188,806	68.9	31.1
	1909	584,559	401,172	183,387	68.6	31.4
16 years of age and over	1914	594,386	411,709	182,677	69.3	30.7
	1909	563,824	390,544	173,280	69.3	30.7
Under 16 years of age	1914	12,312	6,183	6,129	50.2	49.8
	1909	20,735	10,628	10,107	51.3	48.7

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.

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	5.0	5.2	4.6	100.0	100.0	100.0	100.0	100.0	100.0
Proprietors and officials	5.0	3.5	49.3	3.7	3.7	5.1	5.2	0.6	0.4
Proprietors and firm members	−4.3	−5.4	17.8	1.6	1.7	2.2	2.4	0.3	0.2
Salaried officers of corporations	13.8	13.2	33.6	0.8	0.7	1.1	1.0	0.1	0.1
Superintendents and managers	12.8	9.8	153.2	1.4	1.3	1.9	1.8	0.2	0.1
Clerks and other subordinate salaried employees	24.8	24.9	24.7	6.6	5.6	6.1	5.1	7.8	6.6
Wage earners (average number)	3.8	4.2	3.0	89.7	90.7	88.8	89.7	91.6	93.0
16 years of age and over	5.4	5.4	5.4	87.8	87.5	87.5	87.3	88.6	87.9
Under 16 years of age	−40.6	−41.8	−39.4	1.8	3.2	1.3	2.4	3.0	5.1

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

This table shows an increase during the five-year period for each of the several classes of employees, with the exception of proprietors and firm members and wage earners under 16 years of age. The decrease in proprietors and firm members was referred to in the discussion of Table 1. There was a decrease of 40.6 per cent in the number of wage earners under 16 years of age, and this class formed only 1.8 per cent of the total number of wage earners for 1914. The largest percentage of increase for both sexes combined is shown for clerks and other subordinate salaried employees. Wage earners 16 years of age and over represented 87.8 per cent of the total number of persons engaged in the manufacturing industries of the state in 1914, approximately the same ratio as in 1909.

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

Table 5

CLASS.	PERSONS ENGAGED IN MANUFACTURING INDUSTRIES. Number. 1914	1909	1904	Per cent distribution. 1914	1909	1904	Per cent of increase.[1] 1909-1914	1904-1909
Total	676,642	644,399	532,481	100.0	100.0	100.0	5.0	21.0
Proprietors and firm members	10,710	11,194	11,258	1.6	1.7	2.1	−4.3	−0.6
Salaried employees	59,234	48,646	32,824	8.8	7.5	6.2	21.8	48.2
Wage earners (average)	606,698	584,559	488,399	89.7	90.7	91.7	3.8	19.7

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

Two of the three classes in this table, as well as the total for all classes combined, show increases for both five-year periods. While the number of proprietors and firm members decreased at each census, the decrease was much greater for the later than for the earlier period.

The average number of wage earners employed and their per cent distribution as males 16 years of age and over, females 16 years of age and over, and children under 16 years of age 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.	Female.	Under 16 years of age.
All industries	1914	606,698	67.9	30.1	2.0
	1909	584,559	66.8	29.6	3.5
	1904	488,399	66.9	30.1	3.0
Automobiles, including bodies and parts	1914	3,439	99.0	0.8	0.2
	1909	4,138	98.3	1.4	0.4
Belting, leather	1914	1,113	96.0	3.4	0.6
	1909	955	92.9	3.4	3.8
Boots and shoes, including cut stock and findings.	1914	85,114	65.1	33.3	1.6
	1909	83,063	64.1	32.2	3.7
Boots and shoes, rubber	1914	8,087	61.0	37.9	1.1
	1909	6,928	58.8	38.7	2.5
Boxes, fancy and paper	1914	4,244	58.8	38.7	2.5
	1909	3,838	32.9	63.6	3.5
Brass, bronze, andcopper products	1914	1,620	97.5	2.0	0.5
	1909	1,791	97.9	1.8	0.3
Bread and other bakery products	1914	8,083	75.5	23.2	1.2
	1909	6,697	78.3	19.0	2.7
Brick, tile, pottery, and other clay products.	1914	1,262	97.3	2.1	0.6
	1909	1,456	97.5	1.7	0.8
Brushes	1914	1,437	52.3	46.8	0.9
	1909	1,629	38.3	59.2	2.5
Canning and preserving	1914	1,903	75.0	22.5	2.5
	1909	1,449	72.9	25.6	1.5
Carpets and rugs, other than rag	1914	5,319	72.9	25.6	1.5
	1909	5,954	51.8	42.2	6.0
Carriages and sleds, children's	1914	1,175	86.9	12.8	0.3
	1909	858	81.9	16.3	1.8
Carriages and wagons and materials	1914	1,348	99.7	0.2	0.1
	1909	1,539	98.8	1.0	0.1
Cars and general shop construction and repairs by electric-railroad companies.	1914	1,705	99.2	0.8	.....
	1909	1,708	98.9	1.1	0.1
Cars and general shop construction and repairs by steam-railroad companies.	1914	6,264	98.9	1.1	0.1
	1909	5,162	99.6	0.3	.....
Chemicals	1914	1,395	92.7	6.7	0.6
	1909	1,358	90.4	7.6	2.1
Clothing, men's, including shirts	1914	7,645	47.0	52.4	0.7
	1909	7,335	38.0	61.0	1.0
Clothing, women's	1914	6,076	24.5	74.7	0.7
	1909	5,813	21.6	77.4	1.0
Confectionery	1914	6,787	26.0	69.6	4.4
	1909	5,548	26.3	64.0	9.6
Copper, tin, and sheet-iron products	1914	2,688	92.8	5.0	2.3
	1909	2,627	89.4	8.8	1.8
Cordage and twine and jute and linen goods.	1914	7,614	48.3	43.9	7.8
	1909	6,319	52.6	39.5	7.9
Corsets	1914	2,298	11.2	84.6	4.3
	1909	1,989	50.5	41.4	8.1

Table 6—Continued.

INDUSTRY.	Census year.	WAGE EARNERS. Average number.[1]	Per cent of total. 16 years of age and over. Male.	Female.	Under 16 years of age.
Cotton goods, including cotton small wares.	1914	113,559	52.0	44.1	3.9
	1909	108,914	51.2	43.1	5.7
Cutlery and tools, not elsewhere specified.	1914	6,485	88.7	10.0	1.3
	1909	6,747	82.4	15.1	2.5
Dyeing and finishing textiles	1914	11,437	80.7	17.5	1.9
	1909	9,079	75.6	20.5	3.9
Electrical machinery, apparatus, and supplies.	1914	17,125	80.0	19.5	0.5
	1909	14,507	78.8	20.3	0.9
Fancy articles, not elsewhere specified	1914	2,777	64.7	31.6	3.7
	1909	3,558	70.7	25.5	3.8
Firearms	1914	2,161	97.4	1.3	1.3
	1909	2,327	90.0	7.0	3.0
Foundry and machine-shop products	1914	41,361	97.6	1.8	0.6
	1909	44,179	97.2	1.5	1.3
Furnishing goods, men's	1914	3,316	32.3	63.7	4.0
	1909	4,260	34.5	61.5	4.0
Furniture and refrigerators	1914	6,954	90.3	8.6	1.1
	1909	7,277	89.8	7.9	2.3
Gas, illuminating and heating	1914	3,182	97.8	2.1	.....
	1909	2,292	99.4	0.6	.....
Hats, straw	1914	2,383	35.8	63.9	0.2
	1909	2,668	36.7	62.9	0.4
Hosiery and knit goods	1914	10,635	25.9	72.2	1.9
	1909	9,941	41.6	53.9	4.4
Iron and steel, steel works and rolling mills.	1914	2,889	100.0	.....	.....
	1909	3,115	96.7	3.3	.....
Iron and steel, bolts, nuts, washers, and rivets.	1914	1,292	73.1	26.5	0.5
	1909	1,217	61.9	37.2	0.9
Iron and steel, nails and spikes, cut and wrought, including wire nails.	1914	1,233	74.6	23.4	2.0
	1909	1,125	72.9	25.4	1.7
Jewelry	1914	6,505	66.5	28.7	4.9
	1909	7,423	62.7	34.7	2.5
Leather goods	1914	1,430	60.4	36.4	3.2
	1909	1,710	59.8	37.0	3.2
Leather, tanned, curried, and finished	1914	10,164	98.2	1.6	0.3
	1909	10,252	98.2	1.3	0.5
Liquors, malt	1914	2,106	99.5	0.5	.....
	1909	1,739	99.3	0.7	.....
Lumber and timber products	1914	8,156	96.4	2.8	0.9
	1909	8,976	96.2	3.0	0.8
Marble and stone work	1914	3,858	99.6	0.1	0.3
	1909	5,015	99.6	(2)	0.4
Millinery and lace goods	1914	2,026	22.1	75.7	2.2
	1909	1,686	16.9	81.3	1.8
Motorcycles, bicycles, and parts	1914	2,135	98.5	1.0	0.5
	1909	843	96.9	0.4	2.7
Musical instruments, pianos and organs and materials.	1914	3,906	93.5	5.6	0.9
	1909	4,245	91.9	5.7	2.4
Optical goods	1914	2,356	70.7	25.0	4.3
	1909	2,460	68.8	26.3	4.8
Paper and wood pulp	1914	13,401	69.3	30.5	0.1
	1909	12,848	65.1	33.9	1.0
Paper goods, not elsewhere specified	1914	5,829	50.7	46.2	3.1
	1909	5,135	49.0	46.1	4.9
Patent medicines and compounds and druggists' preparations.	1914	1,381	47.0	52.2	0.8
	1909	1,183	46.7	51.9	1.4
Printing and publishing	1914	18,170	72.7	25.6	1.7
	1909	17,532	70.1	27.1	2.8
Rubber goods, not elsewhere specified	1914	4,743	83.2	14.8	2.0
	1909	3,418	78.6	18.9	2.5
Sewing machines	1914	1,022	95.3	4.4	0.3
	1909	869	94.1	4.7	1.2
Silk goods, including throwsters	1914	4,495	30.9	66.6	0.5
	1909	4,109	29.6	59.6	10.8

[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.

Table 6—Continued

INDUSTRY.	Census year.	WAGE EARNERS. Average number.	Per cent of total. 16 years of age and over. Male.	Per cent of total. 16 years of age and over. Female.	Per cent of total. Under 16 years of age.
Silverware and plated ware	1914	2,163	87.6	11.6	0.8
	1909	2,465	81.9	16.1	2.0
Slaughtering and meat packing	1914	3,582	98.5	1.4	0.1
	1909	3,325	98.2	1.1	0.7
Sporting and athletic goods	1914	1,275	71.5	26.5	2.0
	1909	891	67.3	27.0	5.6
Stationery goods, not elsewhere specified	1914	2,467	42.0	56.5	1.5
	1909	1,790	36.6	53.7	9.7
Stoves and hot-air furnaces and ranges	1914	1,446	99.7	0.3	.....
	1909	1,703	99.4	0.4	0.1
Tobacco manufactures	1914	3,926	72.7	27.0	0.3
	1909	3,551	73.5	25.6	0.8
Toys and games	1914	1,381	65.1	30.7	4.2
	1909	1,051	69.7	26.4	3.9
Wire	1914	2,899	96.8	3.1	0.1
	1909	3,718	96.2	2.4	1.5
Wirework, including woven-wire fencing	1914	1,950	78.5	20.7	0.9
	1909	1,578	66.5	24.7	8.7
Wood, turned and carved	1914	1,339	95.4	2.2	2.4
	1909	1,371	91.8	3.1	5.1
Woolen, worsted, and felt goods	1914	54,255	59.4	37.9	2.8
	1909	53,873	56.2	38.0	5.8
All other industries	1914	44,927	80.8	18.3	0.9
	1909	40,440	77.0	20.8	2.2

For all industries combined, the proportion of male wage earners 16 years of age and over increased, while the proportion of adult females remained practically the same during the ten-year period. The proportion of wage earners under 16 years of age increased from 1904 to 1909, but there was a decided decrease during the period 1909–1914 and also during the decade.

Of the 65 industries for which separate figures are given in this table, the greatest proportions of adult female wage earners were employed in the manufacture of women's clothing, confectionery, corsets, hosiery and knit goods, and millinery and lace goods. For most of the industries showing the employment of wage earners under 16 years of age, a decided decrease is noted, only 9 showing an increase, and these mostly in industries where but few wage earners of this class are employed. The greatest decreases in the proportion of wage earners under 16 years of age are shown for silk goods and stationery goods. About four-fifths of the total number of such wage earners reported for 1914 were employed in the textile industries.

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

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES. Total. 1914	Total. 1909	Total. 1904	16 years of age and over. Male. 1914	Male. 1909	Male. 1904	Female. 1914	Female. 1909	Female. 1904	Under 16 years of age. 1914	Under 16 years of age. 1909	Under 16 years of age. 1904
Adams	3,930	3,991	3,994	2,223	2,026	2,222	1,580	1,478	1,510	127	487	262
Amesbury	1,451	.....	.....	1,264	.....	.....	172	.....	.....	15	.....	.....
Arlington	246	283	.....	233	259	.....	10	22	.....	3	2	.....
Attleboro	6,058	6,429	5,044	4,434	4,396	3,490	1,542	1,853	1,417	82	180	137
Beverly	4,641	4,487	2,083	3,904	3,679	1,508	717	752	553	20	56	22
Boston [1]	78,894	73,957	63,151	53,046	49,146	43,730	24,608	22,407	18,528	1,240	2,404	893
Brockton	16,246	14,737	13,889	11,798	10,661	10,169	4,283	3,834	3,617	165	242	103
Brookline	335	340	495	296	280	422	38	54	66	1	6	7
Cambridge	16,749	15,260	14,586	11,826	10,630	10,320	4,741	4,211	3,990	182	419	276
Chelsea	6,241	5,954	4,939	4,444	4,213	3,364	1,741	1,611	1,414	56	130	161
Chicopee	8,426	7,260	4,670	6,365	4,994	2,985	1,916	2,020	1,531	145	246	154
Clinton	4,064	4,123	3,482	2,300	2,264	1,933	1,640	1,670	1,389	124	189	160
Dedham	256	.....	.....	193	.....	.....	58	.....	.....	5	.....	.....
Everett	3,226	2,680	2,186	2,717	2,353	1,794	463	257	297	46	70	95
Fall River	36,834	37,139	26,836	19,868	20,459	14,478	14,899	14,949	11,117	2,067	1,731	1,241
Fitchburg	8,837	8,497	6,498	6,088	5,825	4,605	2,470	2,271	1,597	279	401	296
Framingham	3,982	3,069	2,484	2,460	1,797	1,323	1,477	1,156	1,103	45	116	58
Gardner	3,964	3,617	3,168	3,440	3,100	2,737	481	415	364	43	102	67
Gloucester	2,814	2,181	1,763	2,082	1,658	1,346	661	482	392	71	41	25
Greenfield	1,602	1,251	.....	1,436	1,043	.....	134	139	.....	32	69	.....
Haverhill	13,281	11,689	9,574	8,810	7,686	6,608	4,325	3,762	2,886	146	241	80
Holyoke	17,493	16,513	14,685	10,219	8,906	8,205	6,751	6,458	5,413	523	1,149	1,067
Lawrence	31,043	30,542	21,910	19,300	17,493	12,534	11,183	11,444	8,204	560	1,605	1,172
Leominster	4,929	5,601	4,127	3,638	3,708	2,979	1,202	1,746	1,028	89	147	120
Lowell	29,904	[2] 32,333	29,303	16,934	[2] 20,222	15,570	12,432	[2] 10,883	12,221	538	[2] 1,228	1,512
Lynn	25,339	27,368	21,540	17,469	19,077	15,237	7,782	8,063	6,028	88	228	275
Malden	2,850	2,900	2,954	1,622	1,649	1,569	1,171	1,222	1,345	57	29	40
Marlborough	3,822	4,265	3,479	2,624	2,787	2,216	1,092	1,201	1,123	106	277	140
Medford	559	560	484	480	486	418	77	66	54	2	8	12
Melrose	962	1,038	1,571	446	438	777	490	591	771	26	9	23
Methuen	1,940	1,572	.....	786	653	.....	1,116	793	.....	38	126	.....
Milford	1,749	1,801	1,782	1,274	1,045	1,228	458	710	516	17	46	38
Natick	1,347	.....	.....	1,042	.....	.....	300	.....	.....	5	.....	.....
New Bedford	33,343	26,566	17,855	19,282	15,700	10,351	13,012	9,516	6,550	1,049	1,350	954
Newburyport	3,349	3,215	2,955	2,135	2,083	1,983	1,171	1,035	939	43	97	33

CITY.	Per cent of total. 16 years of age and over. Male. 1914	Male. 1909	Male. 1904	Female. 1914	Female. 1909	Female. 1904	Under 16 years of age. 1914	Under 16 years of age. 1909	Under 16 years of age. 1904
Adams	56.6	50.8	55.6	40.2	37.0	37.8	3.2	12.2	6.6
Amesbury	87.1	.....	.....	11.9	.....	.....	1.0	.....	.....
Arlington	94.7	91.5	.....	4.1	7.8	.....	1.2	0.7	.....
Attleboro	73.2	68.4	69.2	25.4	28.8	28.1	1.4	2.8	2.7
Beverly	84.1	82.0	72.4	15.4	16.8	26.5	0.4	1.2	1.1
Boston [1]	67.2	66.4	69.2	31.2	30.3	29.3	1.6	3.3	1.4
Brockton	72.6	72.3	73.2	26.4	26.0	26.0	1.0	1.6	0.7
Brookline	88.4	82.4	85.3	11.3	15.9	13.3	0.3	1.8	1.4
Cambridge	70.6	69.7	70.8	28.3	27.6	27.4	1.1	2.7	1.9
Chelsea	71.2	70.8	68.1	27.9	27.0	28.6	0.9	2.2	3.3
Chicopee	75.5	68.8	63.9	22.7	27.8	32.8	1.7	3.4	3.3
Clinton	56.6	54.9	55.5	40.4	40.5	39.9	3.0	4.6	4.6
Dedham	75.4	.....	.....	22.6	.....	.....	2.0	.....	.....
Everett	84.2	87.8	82.1	14.4	9.6	13.6	1.4	2.6	4.3
Fall River	53.9	55.1	53.9	40.4	40.3	41.4	5.6	4.7	4.6
Fitchburg	68.9	68.6	70.9	28.0	26.7	24.6	3.2	4.7	4.6
Framingham	61.8	58.6	53.3	37.1	37.7	44.4	1.1	3.8	2.3
Gardner	86.8	85.7	86.4	12.2	11.5	11.5	1.1	2.8	2.1
Gloucester	74.0	76.0	76.3	23.5	22.1	22.2	2.5	1.9	1.4
Greenfield	89.6	83.4	.....	8.4	11.1	.....	2.0	5.5	.....
Haverhill	66.3	65.8	69.0	32.6	32.2	30.1	1.1	2.1	0.8
Holyoke	58.4	53.9	55.9	38.6	39.1	36.9	3.0	7.0	7.3
Lawrence	62.2	57.3	57.2	36.0	37.5	37.4	1.8	5.3	5.3
Leominster	73.8	66.2	72.2	24.4	31.2	24.9	1.8	2.6	2.9
Lowell	56.6	62.5	53.1	41.6	33.7	41.7	1.8	3.8	5.2
Lynn	68.9	69.7	70.7	30.7	29.5	28.0	0.3	0.8	1.3
Malden	56.9	56.9	53.1	41.1	42.1	45.5	2.0	1.0	1.4
Marlborough	68.6	65.3	63.7	28.6	28.2	32.3	2.8	6.5	4.0
Medford	85.9	86.8	86.4	13.8	11.8	11.2	0.4	1.4	2.5
Melrose	46.4	42.2	49.5	50.9	56.9	49.1	2.7	0.9	1.5
Methuen	40.5	41.5	.....	57.5	50.4	.....	2.0	8.0	.....
Milford	72.8	58.0	68.9	26.2	39.4	29.0	1.0	2.6	2.1
Natick	77.4	.....	.....	22.3	.....	.....	0.4	.....	.....
New Bedford	57.8	59.1	58.0	39.0	35.8	36.7	3.1	5.1	5.3
Newburyport	63.8	64.8	67.1	35.0	32.2	31.8	1.3	3.0	1.1

[1] Includes Hyde Park, consolidated with Boston Jan. 1, 1912.
[2] Figures do not agree with those published because it was necessary to revise them in order to include data only for those establishments located within the corporate limits of the city.

Table 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
Newton	2,154	2,174	1,893	1,472	1,604	1.419	669	520	426	13	50	48	68.3	73.8	75.0	31.1	23.9	22.5	0.6	2.3	2.5
North Adams	5,288	5,414	5,502	3,509	3,508	3.623	1,620	1,560	1,544	159	346	335	66.4	64.8	65.8	30.6	28.8	28.1	3.0	6.4	6.1
North Attleborough	2,250	.....	.....	1,560	.....	.....	649	.....	.....	41	.....	.....	69.3	.....	.....	28.8	.....	.....	1.8	.....	.....
Northampton	3,446	3,150	2,963	2,225	2,012	1,883	1,092	977	984	129	161	96	64.6	63.9	63.6	31.7	31.0	33.2	3.7	5.1	3.2
Peabody	5,485	4,850	3,953	5,126	4,270	3,637	356	518	290	3	62	26	93.4	88.0	92.0	6.5	10.7	7.3	0.1	1.3	0.7
Pittsfield	7,490	6,353	4,455	5,455	4,508	2,786	1,973	1,679	1,554	62	166	115	72.8	71.0	62.5	26.3	26.4	34.9	0.8	2.6	2.6
Plymouth	2,845	2,912	.....	1,873	2,124	.....	673	665	.....	299	123	.....	65.8	72.9	....	23.6	22.8	.....	10.5	4.2	.....
Quincy	5,783	5,492	5,371	5,353	4,769	4,903	409	560	428	21	163	40	92.6	86.8	91.3	7.1	10.2	8.0	0.4	3.0	0.7
Revere	80	101	125	71	98	123	9	3	2	.....	.....	.....	88.8	97.0	98.4	11.2	3.0	1.6	.....	.....	.....
Salem	5,294	6,338	5,945	3,587	4,070	3,853	1,627	1,985	1,880	80	283	212	67.8	64.2	64.8	30.7	31.3	31.6	1.5	4.5	3.6
Somerville	5,429	5,280	3,474	5,180	4,841	3,114	219	370	319	30	69	41	95.4	91.7	89.6	4.0	7.0	9.2	0.6	1.3	1.2
Southbridge	4,332	4,037	3,223	2,736	2,680	2,127	1,421	1,183	931	175	174	165	63.2	66.4	66.0	32.8	29.3	28.9	4.0	4.3	5.1
Springfield	14,240	11,855	10,523	10,976	8,715	7,908	3,136	2,726	2,315	128	414	300	77.1	73.5	75.1	22.0	23.0	22.0	0.9	3.5	2.9
Taunton	7,371	7,407	6,608	5,441	5,345	4,817	1,823	1,820	1,569	107	242	222	73.8	72.2	72.9	24.7	24.6	23.7	1.5	3.3	3.4
Wakefield	2,008	2,230	.....	1,241	1,200	.....	747	994	.....	20	36	.....	61.8	53.8	.....	37.2	44.6	.....	0.9	1.6	.....
Waltham	6,465	6,037	6,208	4,305	3,580	3,526	2,138	2,369	2,658	22	88	24	66.6	59.3	56.8	33.1	39.2	42.8	0.3	1.4	0.4
Watertown	4,787	4,335	.....	3,134	2,817	.....	1,642	1,372	.....	11	146	.....	65.5	65.0	.....	34.3	31.6	.....	0.2	3.4	.....
Webster	3,246	[1] 3,019	.....	2,096	[1] 1,879	.....	972	[1] 901	.....	178	[1] 239	.....	64.6	62.2	.....	29.9	29.9	.....	5.5	7.9	.....
Westfield	3,584	3,060	2,634	3,026	2,390	1,994	517	594	601	41	76	39	84.4	78.1	75.7	14.4	19.4	22.8	1.1	2.5	1.5
West Springfield	2,209	.....	.....	1,876	.....	.....	332	.....	.....	1	.....	.....	84.9	.....	.....	15.0	.....	.....	(2)	.....	.....
Weymouth	2,074	1,991	1,841	1,505	1,398	1,323	551	554	508	18	39	10	72.6	70.2	71.9	26.6	27.8	27.6	0.9	2.0	0.5
Winchester	1,048	.....	.....	952	.....	.....	96	.....	.....	.....	.....	.....	90.8	.....	.....	9.2	.....	.....	(2)	.....	.....
Winthrop	16	7	.....	12	7	.....	4	.....	.....	.....	.....	.....	75.0	100.0	.....	25.0	.....	.....	(2)	.....	.....
Woburn	1,565	1,653	1,482	1,463	1,528	1,379	98	111	80	4	14	23	93.5	92.4	93.0	6.3	6.7	5.4	0.2	0.8	1.6
Worcester	29,452	28,221	22,796	22,402	21,355	17,392	6,646	5,745	4,788	404	1,121	616	76.1	75.7	76.3	22.6	20.4	21.0	1.4	4.0	2.7

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

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

Table 8

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.
Adams	1904-1914	−1.6	(2)	4.6	−51.5
	1909-1914	−1.5	9.7	6.9	−73.9
	1904-1909	−0.1	−8.8	−2.1	85.9
Arlington	1909-1914	−13.1	−10.0	.....	.....
Attleboro	1904-1914	20.1	27.0	8.8	−40.1
	1909-1914	−5.8	0.9	−16.8	−54.4
	1904-1909	27.5	26.0	30.8	31.4
Beverly	1904-1914	122.8	158.9	29.7	.....
	1909-1914	3.4	6.1	−4.7	.....
	1904-1909	115.4	144.0	36.0	.....
Boston	1904-1914	24.9	21.3	32.8	38.8
	1909-1914	6.7	7.9	9.8	−48.4
	1904-1909	17.1	12.4	20.9	169.2
Brockton	1904-1914	17.0	16.0	18.4	60.2
	1909-1914	10.2	10.7	11.7	−31.8
	1904-1909	6.1	4.8	6.0	135.0
Brookline	1904-1914	−32.3	−29.9	.....	.....
	1909-1914	−1.5	5.7	.....	.....
	1904-1909	−31.3	−33.6	.....	.....
Cambridge	1904-1914	14.8	14.6	18.8	−34.1
	1909-1914	9.8	11.3	12.6	−56.6
	1904-1909	4.6	3.0	5.5	51.8
Chelsea	1904-1914	26.4	32.1	23.1	−65.2
	1909-1914	4.8	5.5	8.1	−56.9
	1904-1909	20.6	25.2	13.9	−19.3
Chicopee	1904-1914	80.4	113.2	25.1	−5.8
	1909-1914	16.1	27.5	−5.1	−41.1
	1904-1909	55.5	67.3	31.9	59.7
Clinton	1904-1914	16.7	19.0	18.1	−22.5
	1909-1914	−1.4	1.6	−1.8	−34 4
	1904-1909	18.4	17.1	20.2	18.1
Everett	1904-1914	47.6	51.4	55.9	.....
	1909-1914	20.4	15.5	80.2	.....
	1904-1909	22.6	31.2	−13.5	.....

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 year of age.
Fall River	1904-1914	37.3	37.2	34.0	66.6
	1909-1914	−0.8	−2.9	−0.3	19.4
	1904-1909	38.4	41.3	34.5	39.5
Fitchburg	1904-1914	36.0	32.2	54.7	−5.7
	1909-1914	4.0	4.5	8.8	−30.4
	1904-1909	30.8	26.5	42.2	35.5
Framingham	1904-1914	60.3	85.9	33.9	.....
	1909-1914	29.7	36.9	27.8	−61.2
	1904-1909	23.6	35.8	4.8	.....
Gardner	1904-1914	25.7	25.6	32.1	.....
	1909-1914	9.6	11.0	15.9	−57.8
	1904-1909	14.2	13.3	14.0	.....
Gloucester	1904-1914	59.6	54.7	68.6	.....
	1909-1914	29.0	25.6	37.1	.....
	1904-1909	23.7	23.2	23.0	.....
Greenfield	1909-1914	28.1	37.7	−3.6	.....
Haverhill	1904-1914	38.7	33.3	49.9	.....
	1909-1914	13.6	14.6	15.0	−39.4
	1904-1909	22.1	16.3	30.4	.....
Holyoke	1904-1914	19.1	24.5	24.7	−51.0
	1909-1914	5.9	14.7	4.5	−54.5
	1904-1909	12.4	8.5	19.3	7.7
Lawrence	1904-1914	41.7	54.0	36.3	−52.2
	1909-1914	1.6	10.3	−2.3	−65.1
	1904-1909	39.4	39.6	39.5	36.9
Leominster	1904-1914	19.4	22.1	16.9	−25.8
	1909-1914	−12.0	−1.9	−31.2	−39.5
	1904-1909	35.7	24.5	69.8	22.5
Lowell	1904-1914	2.1	8.8	1.7	−64.4
	1909-1914	−7.5	−16.3	14.2	−56.2
	1904-1909	10.3	29.9	−10.9	−18.8
Lynn	1904-1914	17.6	14.6	29.1	−68.0
	1909-1914	−7.4	−8.4	−3.5	−61.4
	1904-1909	27.1	25.2	33.8	−17.1
Malden	1904-1914	−3.5	3.4	−12.9	.....
	1909-1914	−1.7	−1.6	−4.2	.....
	1904-1909	−1.8	5.1	−9.1	.....
Marlborough	1904-1914	9.9	18.4	−2.8	−24.3
	1909-1914	−10.4	−5.8	−9.1	−61.7
	1904-1909	22.6	25.8	6.9	97.9

See footnotes at end of table.

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.
Medford	1904–1914	15.5	14.8	.....	.....
	1909–1914	−0.2	−1.2	.....	.....
	1904–1909	15.7	16.3	.....	.....
Melrose	1904–1914	−38.8	−42.6	−36.4	.....
	1909–1914	−7.3	1.8	−17.1	.....
	1904–1909	−33.9	−43.6	−23.3	.....
Methuen	1909–1914	23.4	20.4	40.7	−69.8
Milford	1904–1914	−1.9	3.7	−11.2	.....
	1909–1914	−2.9	21.9	−35.5	.....
	1904–1909	1.1	−14.9	37.6	.....
New Bedford	1904–1914	86.7	86.3	98.7	10.0
	1909–1914	25.5	22.8	36.7	−22.3
	1904–1909	48.8	51.7	45.3	41.5
Newburyport	1904–1914	13.3	7.7	24.7	.....
	1909–1914	4.2	2.5	13.1	.....
	1904–1909	8.8	5.0	10.2	.....
Newton	1904–1914	13.8	3.7	57.0	.....
	1909–1914	−0.9	−8.2	28.7	.....
	1904–1909	14.8	13.0	22.1	.....
North Adams	1904–1914	−3.9	−3.1	4.9	−52.5
	1909–1914	−2.3	(2)	3.8	−54.0
	1904–1909	−1.6	−3.2	1.0	3.3
Northampton	1904–1914	16.3	18.2	11.0	.....
	1909–1914	9.4	10.6	11.8	−19.9
	1904–1909	6.3	6.9	−0.7	.....
Peabody	1904–1914	38.8	40.9	22.8	.....
	1909–1914	13.1	20.0	−31.3	.....
	1904–1909	22.7	17.4	78.6	.....
Pittsfield	1904–1914	68.1	95.8	27.0	−46.1
	1909–1914	17.9	21.0	17.5	−62.7
	1904–1909	42.6	61.8	8.0	44.3
Plymouth	1909–1914	−2.3	−11.8	1.2	143.1
Quincy	1904–1914	7.7	9.2	−4.4	.....
	1909–1914	5.3	12.2	−27.0	−87.1
	1904–1909	2.3	−2.7	30.8	.....
Revere	1904–1914	−36.0	−42.3	.....	.....
	1909–1914	−20.8	.....	.....	.....
	1904–1909	−19.2	20.3	.....	.....
Salem	1904–1914	−11.0	−6.9	−13.5	−62.3
	1909–1914	−16.5	−11.9	−18.0	−71.7
	1904–1909	6.6	5.6	5.6	33.5
Somerville	1904–1914	56.3	66.3	−31.3	.....
	1909–1914	2.8	7.0	−40.8	.....
	1904–1909	52.0	55.5	16.0	.....
Southbridge	1904–1914	34.4	28.6	52.6	6.1
	1909–1914	7.3	2.1	20.1	0.6
	1904–1909	25.3	26.0	27.1	5.5
Springfield	1904–1914	35.3	38.8	35.5	−57.3
	1909–1914	20.1	25.9	15.0	−69.1
	1904–1909	12.7	10.2	17.8	38.0
Taunton	1904–1914	11.5	13.0	16.2	−51.8
	1909–1914	−0.5	1.8	0.2	−55.8
	1904–1909	12.1	11.0	16.0	9.0
Wakefield	1909–1914	−10.0	3.4	−24.8	.....
Waltham	1904–1914	4.1	22.1	−19.6	.....
	1909–1914	7.1	20.3	−9.8	.....
	1904–1909	−2.8	1.5	−10.9	.....
Watertown	1909–1914	10.4	11.3	19.7	−92.5
Webster	1909–1914	7.5	11.5	7.9	−25.5
Westfield	1904–1914	36.1	51.8	−14.0	.....
	1909–1914	17.1	26.6	−13.0	.....
	1904–1909	16.2	19.8	−1.2	.....
Weymouth	1904–1914	12.7	13.8	8.5	.....
	1909–1914	4.2	7.7	−0.5	.....
	1904–1909	8.1	5.7	9.1	.....
Woburn	1904–1914	5.6	6.1	.....	.....
	1909–1914	−5.3	−4.3	−11.7	.....
	1904–1909	11.5	10.8	.....	.....
Worcester	1904–1914	29.2	28.8	38.8	−34.4
	1909–1914	4.4	4.9	15.7	−64.0
	1904–1909	23.8	22.8	20.0	82.0

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.
[2] Less than one-tenth of 1 per cent.

The proportion of male wage earners is greatly in excess of that for females in every city, except Melrose and Methuen. In Melrose the leading industry in 1914 was the manufacture of rubber boots and shoes, and in Methuen, women's clothing and textiles. In these cities the proportion of adult males in 1914 was below 50 per cent. For all cities combined, males 16 years of age and over formed 67.4 per cent of the total number of wage earners, females 16 years of age and over, 30.6 per cent; and children, 2 per cent. But few cities show increases from census to census in both number and proportion of wage earners under 16 years of age. Only seven show increases in number and six in proportion during the last five-year period.

Boston, by far the most important city in respect to number of wage earners employed in 1914, shows an increase both actual and proportional, in adult males and females during the five-year period 1909–1914. The number of wage earners under 16 years of age decreased by 48.4 per cent, while the proportion which this class formed of the total decreased from 3.3 per cent in 1909 to 1.6 per cent in 1914. Fall River, the second city in respect to wage earners, shows for 1909–1914, a slight decrease in the proportion of adult males, a very slight increase in that of adult females, while the proportion of wage earners under 16 years of age increased from 4.7 per cent in 1909 to 5.6 per cent in 1914. In Lawrence a considerable increase is shown for adult males, a slight decrease for adult females, while the number of children employed decreased from 1,605 in 1909 to 560 in 1914, or from 5.3 per cent of the total to 1.8 per cent.

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 for 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	Number.[1] 1909	Number.[1] 1904	Per cent of maximum. 1914	Per cent of maximum. 1909	Per cent of maximum. 1904
January	626,776	565,750	492,470	98.9	92.4	98.6
February	628,535	572,618	493,668	99.2	93.5	98.9
March	633,583	579,519	498,903	100.0	94.6	99.9
April	628,344	576,618	497,370	99.2	94.1	99.6
May	619,082	576,379	491,573	97.7	94.1	98.4
June	611,928	576,055	485,088	96.6	94.0	97.1
July	595,609	573,462	473,620	94.0	93.6	94.8
August	588,703	581,008	462,739	92.9	94.8	92.7
September	589,194	594,686	474,375	93.0	97.1	95.0
October	590,992	601,533	494,753	93.3	98.2	99.1
November	587,141	604,466	496,877	92.7	98.7	99.5
December	580,489	612,615	499,352	91.6	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.

For 1914 the late winter and early 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 December. The year 1909 shows a very different condition, the maximum number being employed in December and the minimum number in January. In 1904 the maximum number was reported for December and the minimum for August. The greatest difference between the maximum and minimum months in any one of the three census years was 53,094, or 8.4 per cent of the maximum number, 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 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	606,698	626,776	628,535	**633,583**	628,344	619,082	611,928	595,609	588,703	589,194	590,992	587,141	*580,489*	91.6
Automobiles, including bodies and parts	3,439	3,730	3,791	3,908	4,167	**4,198**	3,752	3,187	3,047	3,068	3,049	2,898	*2,478*	58.9
Boots and shoes, including cut stock and findings	85,114	**91,961**	91,722	89,481	85,775	83,084	83,721	83,987	84,672	81,806	*79,813*	81,851	83,495	86.8
Boots and shoes, rubber	8,087	7,796	7,760	7,963	8,110	8,209	8,259	*7,577*	8,026	7,845	8,117	**8,828**	8,554	85.8
Boxes, fancy and paper	4,244	4,363	4,370	4,414	4,322	4,339	4,307	4,174	4,114	4,175	4,219	4,097	*4,034*	91.4
Brass, bronze, and copper products	1,620	1,631	1,595	1,646	1,654	1,601	1,592	1,603	*1,562*	**1,666**	1,647	1,637	1,606	93.8
Bread and other bakery products	8,083	*7,893*	8,029	8,113	8,061	8,067	8,144	**8,249**	8,123	8,049	8,185	8,090	7,993	95.7
Brick, tile, pottery, and other clay products	1,262	798	802	810	1,125	1,706	**1,812**	1,809	1,794	1,676	1,259	864	*689*	38.0
Canning and preserving	1,903	1,794	1,930	1,777	1,735	*1,638*	1,919	1,923	1,909	2,023	**2,150**	2,123	1,915	76.2
Carpets and rugs, other than rag	5,319	5,694	5,657	**5,696**	5,656	5,560	5,447	5,530	5,392	4,975	5,129	4,556	*4,536*	79.6
Carriages and wagons and materials	1,348	1,255	1,321	1,417	1,527	**1,548**	1,494	1,369	1,278	1,277	1,254	1,226	*1,210*	78.2
Cars and general shop construction and repairs by steam-railroad companies	6,264	6,096	6,380	6,477	6,851	6,909	**6,951**	5,996	6,033	5,892	5,945	*5,797*	5,841	83.4
Chemicals	1,395	1,382	1,389	**1,464**	1,415	1,454	1,427	1,375	*1,312*	1,390	1,383	1,423	1,326	89.6
Clothing, men's, including shirts	7,645	7,810	7,833	**7,946**	7,782	7,703	7,640	7,417	*7,315*	7,477	7,676	7,567	7,574	92.1
Clothing, women's	6,076	5,719	6,109	6,559	**6,747**	6,501	6,188	5,327	*4,995*	6,218	6,624	6,183	5,747	74.0
Confectionery	6,787	6,718	*5,943*	6,956	6,525	6,393	6,196	6,193	6,774	7,259	**7,639**	7,515	7,333	77.8
Copper, tin, and sheet-iron products	2,688	2,626	*2,542*	2,569	2,619	2,683	2,741	**2,808**	2,781	2,719	2,794	2,709	2,665	90.5
Cordage and twine and jute and linen goods	7,614	7,621	7,561	7,669	7,759	7,818	**7,901**	7,828	7,720	7,396	7,502	*7,231*	7,362	91.5
Corsets	2,298	2,561	2,601	**2,631**	2,572	2,485	2,345	2,234	2,146	2,144	2,064	1,975	*1,818*	69.1
Cotton goods, including cotton small wares	113,559	**118,455**	117,844	117,437	117,192	115,503	114,041	111,628	*109,008*	109,469	110,358	111,139	110,634	92.0
Cutlery and tools, not elsewhere specified	6,485	6,810	**6,854**	6,830	6,682	6,557	6,446	6,357	6,320	6,252	6,243	*6,221*	6,248	90.8
Electrical machinery, apparatus, and supplies	17,125	**18,644**	18,203	18,460	18,110	17,855	17,567	17,060	16,845	16,602	15,799	15,229	*15,126*	81.1
Fancy articles, not elsewhere specified	2,777	2,746	2,798	2,796	2,550	2,478	*2,311*	2,570	2,786	3,181	**3,326**	2,972	2,810	69.5
Foundry and machine-shop products	41,361	**43,643**	43,466	43,602	43,441	43,146	42,218	41,429	40,113	39,020	38,999	*38,436*	38,769	88.2
Furniture and refrigerators	6,954	7,715	7,697	**7,755**	7,491	6,524	6,094	*6,032*	6,592	6,845	6,998	6,958	6,747	77.8
Gas, illuminating and heating	3,182	2,939	2,934	*2,930*	2,986	3,323	**3,509**	3,462	3,359	3,264	3,211	3,200	3,067	83.5
Hats, straw	2,383	3,296	3,510	**3,529**	3,227	2,228	1,457	*1,259*	1,901	2,024	1,950	1,868	2,347	35.7
Hosiery and knit goods	10,635	11,056	**11,149**	11,020	10,945	10,923	10,838	10,561	10,300	*9,901*	10,392	10,336	10,149	88.8
Iron and steel, steel works and rolling mills	2,889	3,184	3,169	**3,185**	3,089	2,984	2,870	2,862	2,806	2,891	2,886	*2,368*	2,374	74.3
Jewelry	6,505	**7,606**	7,242	6,828	6,583	6,545	6,293	*5,960*	5,979	6,366	6,526	6,156	5,976	78.4
Leather goods	1,430	1,327	*1,315*	1,513	1,503	1,436	1,411	1,398	1,355	1,387	1,415	**1,572**	1,528	83.7
Leather, tanned, curried, and finished	10,164	10,898	**10,931**	10,824	10,654	10,269	10,028	9,512	*9,197*	9,611	9,798	10,157	10,089	84.1
Liquors, malt	2,106	*1,992*	1,996	1,999	2,064	2,130	**2,248**	2,227	2,206	2,162	2,141	2,067	2,040	88.6
Lumber and timber products	8,156	8,459	8,360	8,514	**8,587**	8,478	8,020	*7,688*	7,700	7,886	8,053	8,060	8,067	89.5
Marble and stone work	3,858	3,253	*2,987*	3,686	4,031	4,262	4,270	4,201	**4,279**	4,080	3,921	3,752	3,574	69.8
Millinery and lace goods	2,026	2,026	2,405	2,547	**2,584**	1,842	*1,669*	1,765	1,936	2,067	1,920	1,816	1,735	64.6
Musical instruments, pianos and organs and materials	3,906	4,299	4,270	**4,309**	4,227	4,108	3,939	3,761	*3,515*	3,550	3,627	3,623	3,644	81.6
Optical goods	2,356	2,381	2,349	2,440	2,438	2,443	**2,505**	2,385	2,238	*2,188*	2,231	2,308	2,366	87.3
Paper and wood pulp	13,401	13,540	13,512	13,644	13,503	**13,658**	13,351	13,169	*13,055*	13,490	13,479	13,176	13,235	95.6
Paper goods, not elsewhere specified	5,829	6,062	6,096	6,016	**6,111**	6,066	5,945	5,751	5,535	5,631	5,704	5,582	*5,449*	89.2
Patent medicines and compounds and druggists' preparations	1,381	**1,511**	1,488	1,484	1,438	1,418	1,269	*1,234*	1,288	1,389	1,373	1,392	1,288	81.7
Printing and publishing	18,170	18,220	18,423	**18,536**	18,503	18,325	18,189	17,844	*17,691*	18,024	18,283	18,047	17,955	95.4
Silk goods, including throwsters	4,495	**4,709**	4,707	4,674	4,704	4,628	4,541	4,392	*4,206*	4,490	4,361	4,311	4,217	89.3
Silverware and plated ware	2,163	2,160	2,188	2,168	2,140	2,112	2,100	*2,049*	2,109	2,183	2,239	**2,254**	2,254	90.9
Slaughtering and meat packing	3,582	**4,011**	3,717	3,667	3,527	*3,339*	3,468	3,508	3,368	3,419	3,534	3,648	3,778	83.2
Stationery goods, not elsewhere specified	2,467	2,430	2,540	**2,621**	2,591	2,542	2,462	*2,240*	2,416	2,434	2,465	2,426	2,437	85.5
Tobacco manufactures	3,926	4,050	**4,057**	3,992	3,954	3,877	3,928	*3,839*	3,847	3,860	3,927	3,913	3,868	94.6
Toys and games	1,381	*864*	1,121	1,233	1,302	1,350	1,454	1,572	1,594	1,713	**1,782**	1,547	1,040	48.5
Wire	2,899	**3,174**	3,104	3,110	3,097	2,878	2,794	2,813	2,817	2,845	2,817	2,678	*2,661*	83.8
Wirework, including woven-wire fencing	1,950	1,983	2,030	**2,036**	1,970	2,013	1,977	1,971	1,917	1,900	1,890	1,883	*1,830*	89.9
Woolen, worsted, and felt goods	54,255	52,565	53,812	56,608	**57,946**	57,603	57,796	53,334	52,592	53,430	54,183	53,114	*48,077*	83.0
All other industries	81,756	83,320	84,926	**86,094**	84,772	84,343	83,084	81,190	78,840	78,585	78,712	*78,262*	78,939	90.9

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.	
Total for cities	508,647	525,361	527,195	**531,606**	526,448	518,448	512,364	499,112	492,870	494,306	497,076	492,966	*486,012*	91.4
ADAMS	3,930	3,930	3,917	*3,863*	3,872	3,887	3,926	4,035	4,043	3,979	3,876	3,909	3,923	95.5
AMESBURY	1,451	1,368	1,470	1,420	1,449	1,376	1,440	1,464	1,577	1,579	**1,614**	1,413	*1,242*	77.0
ARLINGTON	246	*234*	236	240	242	248	260	249	243	245	247	261	247	89.7
ATTLEBORO	6,058	**6,752**	6,448	6,380	6,257	6,222	6,064	5,773	5,702	5,903	5,984	5,645	*5,566*	82.4
BEVERLY	4,641	4,907	4,946	**4,953**	4,847	4,803	4,620	4,455	4,537	4,521	4,439	4,445	*4,219*	85.2
BOSTON	78,894	79,744	79,737	**81,581**	81,011	79,968	79,189	77,367	*76,565*	77,900	79,011	77,833	76,822	93.9
BROCKTON	16,246	**17,704**	17,490	16,670	15,785	15,468	16,290	16,531	16,622	16,001	*15,017*	15,269	16,105	84.8
BROOKLINE	335	353	356	**375**	361	370	348	337	319	304	302	*297*	298	79.2
CAMBRIDGE	16,749	16,783	16,881	17,028	16,940	**17,060**	16,879	16,811	16,807	16,838	16,704	16,211	*16,046*	94.1
CHELSEA	6,241	6,275	6,526	**6,713**	6,593	6,500	6,372	6,221	6,082	6,098	6,081	5,834	*5,597*	83.4
CHICOPEE	8,426	9,450	**9,526**	9,443	9,356	9,511	9,299	8,048	7,439	7,362	*7,098*	7,179	7,401	74.5
CLINTON	4,064	4,178	**4,227**	4,105	4,178	4,199	4,131	4,102	4,126	3,877	3,898	*3,866*	3,881	91.5
DEDHAM	256	313	296	**314**	277	278	231	250	250	235	229	*199*	200	63.4
EVERETT	3,226	3,278	3,243	3,303	3,313	**3,437**	3,209	3,185	3,150	3,150	3,142	3,302	*3,000*	87.3
FALL RIVER	36,834	36,295	36,890	37,058	**37,250**	37,131	36,712	37,075	36,724	36,848	36,795	*36,170*	37,060	97.1
FITCHBURG	8,837	8,778	8,855	8,976	**9,135**	9,039	8,881	8,822	*8,609*	8,780	8,751	8,705	8,713	94.2
FRAMINGHAM	3,982	4,339	4,486	**4,542**	4,433	3,999	3,914	3,805	3,697	3,697	3,662	*3,584*	3,626	78.9
GARDNER	3,964	4,265	4,234	**4,308**	4,169	3,991	3,859	3,741	*3,726*	3,755	3,803	3,845	3,872	86.5
GLOUCESTER	2,814	*2,712*	2,809	2,768	2,859	2,777	**2,915**	2,874	2,716	2,805	2,841	2,870	2,822	93.0
GREENFIELD	1,602	**1,804**	1,701	1,680	1,667	1,666	1,597	1,588	1,591	1,543	1,478	1,459	*1,450*	80.4
HAVERHILL	13,281	14,235	14,170	**14,308**	13,871	13,468	13,356	12,604	*12,441*	12,509	12,742	12,739	12,929	87.0
HOLYOKE	17,493	**17,805**	17,752	17,728	17,782	17,792	17,631	17,467	17,354	17,375	17,374	17,047	*16,809*	94.4
LAWRENCE	31,043	30,187	31,155	32,884	**33,501**	32,836	33,452	30,068	29,768	30,142	31,210	30,006	*27,307*	81.5
LEOMINSTER	4,929	4,993	5,098	5,046	4,813	4,581	*4,279*	4,571	4,673	5,254	**5,482**	5,253	5,105	78.1
LOWELL	29,904	31,046	31,214	**31,216**	30,690	30,103	29,847	28,989	*28,468*	29,045	29,194	29,827	29,209	91.2
LYNN	25,339	27,095	27,078	**27,115**	25,922	24,873	24,287	25,011	25,212	24,851	24,427	*24,086*	24,111	88.8
MALDEN	2,850	2,898	2,912	2,939	**2,937**	2,869	2,781	2,730	*2,577*	2,712	2,874	2,932	3,039	84.8
MARLBOROUGH	3,822	3,935	3,972	3,728	3,834	3,927	4,036	**4,090**	3,991	3,722	*3,233*	3,536	3,860	79.0
MEDFORD	559	580	589	604	**607**	599	595	504	*500*	518	534	544	534	82.4
MELROSE	962	*922*	930	938	957	948	951	939	933	962	1,014	1,000	**1,050**	87.8
METHUEN	1,940	1,871	**2,071**	2,050	1,981	2,011	1,910	1,890	1,874	1,967	1,939	*1,848*	1,868	89.2
MILFORD	1,749	1,943	1,910	**1,973**	1,819	1,734	1,604	*1,570*	1,573	1,652	1,691	1,732	1,787	79.6
NATICK	1,347	*1,215*	1,384	1,374	1,362	1,333	1,342	1,379	1,403	1,365	1,352	1,323	1,332	86.6
NEW BEDFORD	33,343	34,254	34,509	34,429	**34,602**	33,913	33,078	32,760	32,228	*31,964*	33,019	32,988	32,372	92.4
NEWBURYPORT	3,349	3,730	**3,740**	3,625	3,422	3,286	3,128	3,132	*3,071*	3,144	3,236	3,319	3,355	82.1
NEWTON	2,154	2,195	2,132	2,189	*2,061*	2,200	2,143	2,142	2,158	2,193	**2,216**	2,100	2,119	93.0
NORTH ADAMS	5,288	5,451	5,373	5,435	5,344	5,224	**5,457**	5,421	5,189	5,184	5,146	5,132	*5,100*	93.5
NORTH ATTLEBOROUGH	2,250	**2,434**	2,388	2,213	2,236	2,234	2,211	2,160	*2,095*	2,251	2,340	2,213	2,225	86.1
NORTHAMPTON	3,446	3,555	3,451	3,486	3,609	**3,611**	3,481	3,257	*3,100*	3,487	3,524	3,485	3,306	85.8
PEABODY	5,485	**6,053**	6,030	5,952	5,785	5,528	5,264	5,134	*4,861*	5,001	5,226	5,579	5,417	80.1
PITTSFIELD	7,490	7,711	7,586	7,962	**8,057**	7,909	7,768	7,208	7,042	7,362	7,320	7,157	*6,798*	84.4
PLYMOUTH	2,845	2,837	*2,638*	2,690	2,867	2,907	**3,150**	3,014	2,842	2,701	2,884	2,906	2,704	83.7
QUINCY	5,783	5,710	5,600	6,211	6,281	6,286	**6,496**	6,348	6,036	5,119	*4,961*	5,031	5,317	76.4
REVERE	80	94	**101**	94	60	*54*	64	60	61	97	91	93	91	53.5
SALEM	5,294	6,664	6,802	**6,827**	6,729	6,502	6,156	*3,689*	3,920	4,029	4,140	4,200	3,870	54.0
SOMERVILLE	5,429	**5,732**	5,483	5,590	5,410	5,275	5,358	5,327	*5,230*	5,380	5,492	5,488	5,383	91.2
SOUTHBRIDGE	4,332	4,439	4,381	4,509	4,547	4,580	**4,625**	4,488	4,377	4,300	4,417	4,444	*2,877*	62.2
SPRINGFIELD	14,240	15,757	**15,898**	15,546	14,631	14,619	14,038	13,570	13,395	*13,202*	13,235	13,374	13,615	83.0
TAUNTON	7,371	7,488	7,628	7,636	**7,821**	7,583	7,295	7,148	*7,086*	7,123	7,216	7,252	7,176	90.6
WAKEFIELD	2,008	2,460	2,497	2,552	**2,591**	1,887	1,634	1,619	2,111	*1,509*	1,783	1,780	1,673	58.2
WALTHAM	6,465	**7,050**	6,946	6,937	6,536	6,511	6,317	6,141	6,149	6,397	6,386	6,272	*5,938*	84.2
WATERTOWN	4,787	*4,544*	4,595	4,774	4,890	4,951	5,007	4,897	4,757	4,559	4,554	**5,142**	4,774	88.4
WEBSTER	3,246	3,377	**3,387**	3,221	3,253	3,276	3,306	3,299	3,181	3,169	3,215	*3,123*	3,145	92.2
WESTFIELD	3,584	3,672	3,604	3,649	3,747	**3,854**	3,768	3,610	3,459	3,496	3,394	3,396	*3,359*	87.2
WEST SPRINGFIELD	2,209	2,274	2,248	2,291	2,312	**2,358**	2,328	2,210	2,198	2,203	2,150	*1,960*	1,976	83.1
WEYMOUTH	2,074	2,210	2,227	**2,344**	2,271	2,181	2,110	2,069	1,968	1,928	1,860	*1,809*	1,911	77.2
WINCHESTER	1,048	1,102	**1,163**	1,141	1,111	*972*	981	978	979	987	1,064	1,042	1,056	83.6
WINTHROP	16	*13*	*13*	15	16	17	17	**18**	**18**	17	17	16	15	72.2
WOBURN	1,565	1,622	1,613	1,620	1,578	1,514	1,537	1,443	*1,388*	1,442	1,545	1,719	**1,759**	78.9
WORCESTER	29,452	30,746	30,653	**31,045**	30,611	30,212	29,440	29,425	28,689	28,568	28,607	27,777	*27,651*	89.1

Of the selected industries, straw hats and brick and tile and pottery show the greatest degree of fluctuation in number of wage earners employed. In the manufacture of straw hats the number employed in July was but 35.7 per cent of the number in March, while in brick, tile, and pottery the number of wage earners in December was only 38 per cent of the number in June. The greatest stability of employment is shown for bread and bakery products, paper and wood pulp, and printing and publishing, the percentage which the minimum formed of the maximum in these industries being 95.7, 95.6, and 95.4, respectively. Of the 60 cities, Revere and Salem show the greatest variation in the number of wage earners employed, the minimum number being 53.5 and 54 per cent, respectively, of the maximum. The most steady employment of wage earners is shown for Fall River, where the minimum number formed 97.1 per cent of the maximum.

Prevailing hours of labor.—In Table 11 the average number of wage earners reported for 1914 and 1909, for all industries combined and for selected industries throughout the state, have been classified according

to number of hours of labor per week prevailing in the establishments in which they were employed. A similar classification is given, for 1914 only, for all industries combined, in each city having more than 10,000 inhabitants. The number employed in each establishment is classified as a total, even though a few employees worked a greater or smaller number of hours.

Table 11

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	606,698	49,358	68,221	340,219	123,488	21,614	3,133	157	508
	1909	584,559	29,484	28,555	103,114	380,223	35,887	4,599	1,230	1,467
Automobiles, including bodies and parts	1914	3,439	18	363	1,984	1,004	70	.....	.....	.....
	1909	4,138	3	232	2,645	1,242	16	.....	.....	.....
Boots and shoes, including cut stock and findings	1914	85,114	1,483	13,704	45,527	23,904	496	.....	.....	.....
	1909	83,063	212	4,258	33,007	44,563	1,023	.....	.....	.....
Boots and shoes, rubber	1914	8,087	.....	.....	8,087	.....	.....	.....	.....	.....
	1909	6,928	.....	.....	6,928	.....	.....	.....	.....	.....
Boxes, fancy and paper	1914	4,244	106	1,347	2,103	565	123	.....	.....	.....
	1909	3,838	28	594	938	2,278	.....	.....	.....	.....
Brass, bronze, and copper products	1914	1,620	3	111	453	470	583	.....	.....	.....
	1909	1,791	40	55	492	664	540	.....	.....	.....
Bread and other bakery products	1914	8,083	614	182	3,889	1,969	1,286	85	58	.....
	1909	6,697	303	94	1,649	1,855	2,611	109	69	7
Brick, tile, pottery, and other clay products	1914	1,262	115	2	581	342	222	.....	.....	.....
	1909	1,456	36	57	258	425	648	13	19	.....
Canning and preserving	1914	1,903	56	200	1,513	115	19	.....	.....	.....
	1909	1,449	66	94	1,103	154	32	.....	.....	.....
Carpets and rugs, other than rag	1914	5,319	.....	103	5,046	170	.....	.....	.....	.....
	1909	5,954	.....	45	.....	5,909	.....	.....	.....	.....
Carriages and wagons and materials	1914	1,348	31	598	617	94	8	.....	.....	.....
	1909	1,539	18	498	704	172	147	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	6,264	.....	4,039	2,225	.....	.....	.....	.....	.....
	1909	5,162	231	1,188	3,689	.....	.....	54	.....	.....
Chemicals	1914	1,395	17	10	535	811	11	11	.....	.....
	1909	1,358	8	8	16	1,033	241	.....	13	39
Clothing, men's, including shirts	1914	7,645	675	2,870	3,126	966	8	.....	.....	.....
	1909	7,335	255	1,271	2,590	2,973	246	.....	.....	.....
Clothing, women's	1914	6,076	379	3,588	2,100	9	.....	.....	.....	.....
	1909	5,813	542	2,671	949	1,610	41	.....	.....	.....
Confectionery	1914	6,787	1,629	3,873	1,008	205	72	.....	.....	.....
	1909	5,548	35	2,966	747	1,785	15	.....	.....	.....
Copper, tin, and sheet-iron products	1914	2,688	932	129	724	844	59	.....	.....	.....
	1909	2,627	714	347	520	987	59	.....	.....	.....
Cordage and twine and jute and linen goods	1914	7,614	90	.....	7,146	363	15	.....	.....	.....
	1909	6,319	52	1	1,347	4,897	5	17	.....	.....
Corsets	1914	2,298	.....	12	2,286	.....	.....	.....	.....	.....
	1909	1,989	.....	101	33	1,855	.....	.....	.....	.....
Cotton goods, including cotton small wares	1914	113,559	1,051	935	110,434	1,139	.....	.....	.....	.....
	1909	108,914	.....	11	41	108,766	38	58	.....	.....
Cutlery and tools, not elsewhere specified	1914	6,485	259	1,502	1,562	3,138	24	.....	.....	.....
	1909	6,747	177	298	2,820	2,543	909	.....	.....	.....
Electrical machinery, apparatus, and supplies	1914	17,125	637	2,205	10,519	3,763	1	.....	.....	.....
	1909	14,507	266	395	902	12,851	93	.....	.....	.....
Fancy articles, not elsewhere specified	1914	2,777	78	295	1,085	1,184	135	.....	.....	.....
	1909	3,558	41	181	97	2,696	543	.....	.....	.....
Foundry and machine-shop products	1914	41,361	953	8,495	13,158	16,882	1,861	12	.....	.....
	1909	44,179	310	1,259	11,059	29,735	1,747	69	.....	.....
Furniture and refrigerators	1914	6,954	634	882	687	2,841	1,910	.....	.....	.....
	1909	7,277	542	916	2,108	3,312	394	5	.....	.....
Gas, illuminating and heating	1914	3,182	329	.....	22	749	437	1,323	.....	322
	1909	2,292	23	.....	735	314	12	195	14	999
Hats, straw	1914	2,383	6	129	344	1,904	.....	.....	.....	.....
	1909	2,668	.....	.....	14	2,331	323	.....	.....	.....
Hosiery and knit goods	1914	10,635	9	496	9,702	409	19	.....	.....	.....
	1909	9,941	12	245	86	9,598	.....	.....	.....	.....
Iron and steel, steel works and rolling mills	1914	2,889	15	55	257	368	2,194	.....	.....	.....
	1909	3,115	.....	13	39	376	2,687	.....	.....	.....
Jewelry	1914	6,505	334	451	1,453	4,267	.....	.....	.....	.....
	1909	7,423	54	215	234	6,755	165	.....	.....	.....
Leather goods	1914	1,430	292	211	604	302	21	.....	.....	.....
	1909	1,710	31	288	463	602	326	.....	.....	.....

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	10,164	244	283	4,071	5,043	523	.....	.....	.....
	1909	10,252	155	108	120	8,292	1,577	.....	.....	.....
Liquors, malt	1914	2,106	1,510	140	456	.....	.....	.....	.....	.....
	1909	1,739	305	35	1,392	7	.....	.....	.....	.....
Lumber and timber products	1914	8,156	1,052	2,020	2,356	2,033	695	.....	.....	.....
	1909	8,976	1,058	987	1,793	3,600	1,486	41	11	.....
Marble and stone work	1914	3,858	3,260	260	81	100	157	.....	.....	.....
	1909	5,015	3,991	332	304	142	187	59	.....	.....
Millinery and lace goods	1914	2,026	313	782	397	404	130	.....	.....	.....
	1909	1,686	311	663	169	543	.....	.....	.....	.....
Musical instruments, pianos and organs and materials	1914	3,906	244	641	2,876	135	10	.....	.....	.....
	1909	4,245	700	420	2,855	195	75	.....	.....	.....
Optical goods	1914	2,356	4	18	2,050	279	5	.....	.....	.....
	1909	2,460	5	12	.....	2,443	.....	.....	.....	.....
Paper and wood pulp	1914	13,401	5,171	1,705	3,149	2,006	620	563	54	133
	1909	12,848	944	386	848	3,697	4,023	2,425	525	.....
Paper goods, not elsewhere specified	1914	5,829	53	1,913	2,478	1,146	107	132	.....	.....
	1909	5,135	48	46	1,776	2,922	190	153	.....	.....
Patent medicines and compounds and druggists' preparations	1914	1,381	477	693	85	105	21	.....	.....	.....
	1909	1,183	356	434	63	252	70	8	.....	.....
Printing and publishing	1914	18,170	14,156	2,033	1,340	635	6	.....	.....	.....
	1909	17,532	11,404	1,853	2,911	1,342	20	.....	.....	2
Silk goods, including throwsters	1914	4,495	330	22	4,123	.....	.....	20	.....	.....
	1909	4,109	1	39	.....	4,069	.....	.....	.....	.....
Silverware and plated ware	1914	2,163	.....	340	119	1,663	41	.....	.....	.....
	1909	2,465	.....	.....	300	2,165	.....	.....	.....	.....
Slaughtering and meat packing	1914	3,582	60	90	1,121	987	1,324	.....	.....	.....
	1909	3,325	59	35	70	1,337	1,819	4	1	.....
Stationery goods, not elsewhere specified	1914	2,467	430	151	1,088	798	.....	.....	.....	.....
	1909	1,790	3	342	44	1,399	2	.....	.....	.....
Tobacco manufactures	1914	3,926	3,712	46	168	.....	.....	.....	.....	.....
	1909	3,551	3,256	87	59	141	8	.....	.....	.....
Toys and games	1914	1,381	8	85	613	675	.....	.....	.....	.....
	1909	1,051	2	11	58	875	105	.....	.....	.....
Wire	1914	2,899	.....	.....	.....	870	2,029	.....	.....	.....
	1909	3,718	.....	.....	1	682	3,035	.....	.....	.....
Wirework, including woven-wire fencing	1914	1,950	.....	372	711	863	4	.....	.....	.....
	1909	1,578	11	89	264	1,204	10	.....	.....	.....
Woolen, worsted, and felt goods	1914	54,255	50	1,614	43,170	7,666	1,755	.....	.....	.....
	1909	53,873	359	138	255	48,567	4,554	.....	.....	.....
All other industries	1914	81,756	7,539	8,226	30,990	29,303	4,613	987	45	53
	1909	72,693	2,517	4,237	13,619	44,068	5,865	1,389	578	420
Total for cities	1914	508,647	41,837	65,297	284,760	97,337	16,193	2,784	104	335
ADAMS	1914	3,930	13	3	3,507	241	163	3	.....	.....
AMESBURY	1914	1,451	80	7	1,340	.....	11	13	.....	.....
ARLINGTON	1914	246	85	14	97	50	.....	.....	.....	.....
ATTLEBORO	1914	6,058	28	89	1,821	3,962	143	15	.....	.....
BEVERLY	1914	4,641	21	3,129	846	527	118	.....	.....	.....
BOSTON	1914	78,894	18,662	30,167	21,962	6,881	738	128	33	323
BROCKTON	1914	16,246	586	478	14,862	306	14	.....	.....	.....
BROOKLINE	1914	335	35	241	59	.....	.....	.....	.....	.....
CAMBRIDGE	1914	16,749	3,430	2,880	8,924	692	570	252	1	.....
CHELSEA	1914	6,241	1,000	2,203	1,962	884	189	3	.....	.....
CHICOPEE	1914	8,426	70	269	5,425	2,218	440	.....	4	.....
CLINTON	1914	4,064	.....	13	3,493	540	12	6	.....	.....
DEDHAM	1914	256	14	8	11	221	2	.....	.....	.....
EVERETT	1914	3,226	147	432	1,509	469	24	645	.....	.....
FALL RIVER	1914	36,834	535	559	33,203	2,207	310	7	13	.....
FITCHBURG	1914	8,837	1,257	672	5,473	635	718	79	3	.....
FRAMINGHAM	1914	3,982	236	1,929	1,224	446	137	10	.....	.....
GARDNER	1914	3,964	17	.....	547	1,720	1,676	4	.....	.....
GLOUCESTER	1914	2,814	409	202	1,993	192	18	.....	.....	.....
GREENFIELD	1914	1,602	151	21	168	1,172	79	11	.....	.....
HAVERHILL	1914	13,281	842	537	5,618	5,808	469	.....	.....	7
HOLYOKE	1914	17,493	2,679	1,149	9,561	3,644	430	30	.....	.....
LAWRENCE	1914	31,043	350	497	29,405	259	68	464	.....	.....
LEOMINSTER	1914	4,929	5	343	2,116	2,244	221	.....	.....	.....
LOWELL	1914	29,904	584	1,974	25,114	1,996	50	186	.....	.....
LYNN	1914	25,339	724	2,173	11,844	10,539	54	5	.....	.....
MALDEN	1914	2,850	186	524	1,898	82	1	159	.....	.....
MARLBOROUGH	1914	3,822	77	24	221	3,496	4	.....	.....	.....
MEDFORD	1914	559	26	167	213	118	35	.....	.....	.....
MELROSE	1914	962	16	142	776	28	.....	.....	.....	.....

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.
METHUEN	1914	1,940	1	1	1,889	17	32			
MILFORD	1914	1,749	246	209	1,042	224	22		6	
NATICK	1914	1,347	124	75	971	158	19			
NEW BEDFORD	1914	33,343	635	249	30,286	1,701	370	53	44	5
NEWBURYPORT	1914	3,349	28	127	1,369	1,800	9	16		
NEWTON	1914	2,154	330	863	759	144	58			
NORTH ADAMS	1914	5,288	1,165	489	1,309	2,259	37	29		
NORTH ATTLEBOROUGH	1914	2,250	219	367	268	1,382	14			
NORTHAMPTON	1914	3,446	151	299	2,399	542	36	19		
PEABODY	1914	5,485	19	105	3,279	1,479	603			
PITTSFIELD	1914	7,490	228	31	1,295	5,832	104			
PLYMOUTH	1914	2,845	6	2	2,292	526		19		
QUINCY	1914	5,783	1,244	3,364	1,125	36	14			
REVERE	1914	80	11	1	55	13				
SALEM	1914	5,294	128	701	2,807	1,383	275			
SOMERVILLE	1914	5,429	351	1,032	1,625	1,254	1,167			
SOUTHBRIDGE	1914	4,332	10		3,712	603	7			
SPRINGFIELD	1914	14,240	1,716	1,955	5,381	4,379	560	249		
TAUNTON	1914	7,371	212	257	4,741	2,025	37	99		
WAKEFIELD	1914	2,008	38	28	1,158	779	5			
WALTHAM	1914	6,465	70	90	1,483	4,806	16			
WATERTOWN	1914	4,787	5	7	4,356	416	3			
WEBSTER	1914	3,246	13	1,776	839	573	45			
WESTFIELD	1914	3,584	152	27	891	1,223	1,291			
WEST SPRINGFIELD	1914	2,209	634	202	1,287	55	31			
WEYMOUTH	1914	2,074	15	423	1,184	452				
WINCHESTER	1914	1,048	166	53	28	792	9			
WINTHROP	1914	16	3		5		8			
WOBURN	1914	1,565	260	59	426	809	11			
WORCESTER	1914	29,452	1,392	1,659	11,307	10,098	4,716	280		

From this table 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 7,296 wage earners employed in establishments where the prevailing hours of labor were more than 60 per week; in 1914 the number employed in such establishments was 3,798, a decrease of 47.9 per cent. During the same period the proportion of wage earners employed in establishments where the prevailing hours of work were fewer than 60 per week increased from 92.6 per cent to 95.8 per cent of the total. In 1909, for all industries combined and for most of them separately, the greatest number of wage earners in any one class were employed in establishments where the prevailing hours of labor were 54 to 60 per week; but in 1914 this condition appears in establishments operating on a 54-hour basis. The majority of wage earners in the cities were employed in establishments where the prevailing hours of labor were 54 per week. In Boston, Beverly, Chelsea, Framingham, Quincy, and Webster a greater number of the wage earners are found in establishments where the prevailing hours were between 48 and 54 per week than in any other class.

Location of establishments.—Table 12 shows, for 1914, 1909, and 1899, the extent to which the manufactures in Massachusetts 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.[1]			
			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		60		34		19		7			
	1910		54		29		20		5			
	1900		46		26		17		3			
Population[2]	1914	3,605,522	2,887,228	80.1	504,550	14.0	932,620	25.9	1,450,058	40.2	718,294	19.9
	1910	3,366,416	2,606,380	77.4	435,391	12.9	1,008,483	30.0	1,162,506	34.5	760,036	22.6
	1900	2,805,346	2,050,862	73.1	400,454	14.3	852,988	30.4	797,420	28.4	754,484	26.9
Number of establishments	1914	12,013	9,925	82.6	1,691	14.1	2,931	24.4	5,303	44.1	2,088	17.4
	1909	11,684	9,208	78.8	1,427	12.2	3,124	26.7	4,657	39.9	2,476	21.2
	1899	10,929	8,210	75.1	1,461	13.4	3,133	28.7	3,616	33.1	2,719	24.9
Average number of wage earners.	1914	606,698	508,647	83.8	95,369	15.7	173,862	28.6	239,416	39.5	98,051	16.2
	1909	584,559	477,134	81.6	84,242	14.4	205,982	35.2	186,910	32.0	107,425	18.4
	1899	438,234	341,251	77.9	67,559	15.4	165,117	37.7	108,575	24.8	96,983	22.1
Value of products	1914	$1,641,373,047	$1,395,520,001	85.0	$240,423,204	14.6	$499,265,367	30.4	$655,831,430	40.0	$245,853,046	15.0
	1909	1,490,529,386	1,234,417,010	82.8	201,047,032	13.5	543,367,703	36.5	490,002,275	32.9	256,112,376	17.2
	1899	907,626,439	715,626,978	78.8	115,857,607	12.8	346,724,807	38.2	253,044,564	27.9	191,999,461	21.2
Value added by manufacture	1914	709,989,254	609,690,086	85.9	107,015,231	15.1	204,494,886	28.8	298,179,969	42.0	100,299,168	14.1
	1909	659,764,443	548,219,736	83.1	90,791,565	13.8	229,499,986	34.8	227,928,185	34.5	111,544,707	16.9
	1899	408,971,406	326,156,070	79.8	54,798,314	13.4	144,655,457	35.4	126,702,299	31.0	82,815,336	20.2

[1] Includes Hyde Park, consolidated with Boston, Jan. 1, 1912.

[2] Census estimate of population for 1914.

In accepting the statistics in this table, it must be remembered that some of the cities—Amesbury, Dedham, Natick, North Attleborough, West Springfield, and Winchester—that had a population of 10,000 and over at the census of 1914 were included in the districts outside of the cities at prior censuses. Hyde Park was consolidated with Boston in 1912; therefore the figures for that city are included with those for Boston for each census. In 1909 Medford had less than 25,000 inhabitants; but during the five-year period 1909–1914 the population had increased so that it is now in the group of cities having "25,000 to 100,000" inhabitants. During the same period the population of New Bedford and Springfield increased so that in 1914 they are included in the group "100,000 and over." It is apparent, therefore, that the figures in this table are not strictly comparable. The table shows, however, that for 1914 the cities which represented 80.1 per cent of the estimated population of the state reported 82.6 per cent of the number of establishments, 83.8 per cent of the total average number of wage earners, 85 per cent of the value of products, and 85.9 per cent of the value added by manufacture. Of the total value of products shown for the state in 1914, 14.6 per cent was reported from the 34 cities having between 10,000 and 25,000 inhabitants, 30.4 per cent from the 19 cities having between 25,000 and 100,000, and 40 per cent from the 7 cities having more than 100,000 inhabitants. Of the total average number of wage earners, 68.1 per cent are employed in cities having a population of 25,000 or over.

The relative importance in manufactures of each of the 60 cities having more than 10,000 inhabitants, as measured by average number of wage earners and by value of products, in 1914, 1909, and 1904, is shown in Table 13. The cities are listed in the order of their importance as shown by value of products. Those for which comparative figures are not shown for 1909 and 1904 had less than 10,000 inhabitants in those years.

Table 13 CITY.	AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
	1914	1909	1904	1914	1909	1904
Boston	78,894	[1] 73,957	[1] 63,151	$284,802,479	[1]$244,793,556	[1]$191,090,470
Worcester	29,452	28,221	22,796	82,829,356	77,147,884	52,144,965
Lawrence	31,043	30,542	21,910	73,177,803	79,992,668	48,036,593
Lynn	25,339	27,368	21,540	69,783,418	71,503,140	55,003,023
New Bedford	33,343	26,566	17,855	65,575,005	53,237,839	29,469,349
Fall River	36,834	37,139	26,836	64,663,146	64,145,726	43,473,105
Cambridge	16,749	15,260	14,586	57,483,949	44,227,395	42,407,064
Lowell	29,904	[2] 32,333	29,303	56,048,641	[2] 59,687,714	46,879,212
Brockton	16,246	14,737	13,889	51,259,131	45,972,388	37,790,982
Springfield	14,240	11,855	10,523	44,428,854	31,772,815	25,860,250
Holyoke	17,493	16,513	14,685	44,041,155	40,097,224	30,731,332
Somerville	5,429	5,280	3,474	43,971,291	38,686,527	22,955,197
Haverhill	13,281	11,689	9,574	42,409,246	35,376,617	24,446,594
Chicopee	8,426	7,260	4,670	28,869,152	19,219,166	7,715,653
Fitchburg	8,837	8,497	6,498	23,983,352	23,252,155	15,390,507
Pittsfield	7,490	6,353	4,455	22,241,237	15,215,202	8,577,358
Peabody	5,485	4,850	3,953	18,441,906	15,548,732	10,236,669
Chelsea	6,241	5,954	4,939	16,971,028	17,002,492	13,879,159
Taunton	7,371	7,407	6,608	15,885,812	15,379,821	13,644,586
Watertown	4,787	4,335	.....	14,764,326	11,545,555	.....
Attleboro	6,058	6,429	5,044	$13,946,884	$15,160,359	$10,050,384
Plymouth	2,845	2,912	.....	13,904,545	11,618,020	.....
Salem	5,294	6,338	5,945	13,652,586	14,576,276	12,202,217
Everett	3,226	2,680	2,186	13,219,200	8,746,923	6,135,650
Quincy	5,783	5,492	5,371	12,097,452	10,505,403	8,982,446
North Adams	5,288	5,414	5,502	10,922,575	10,314,847	8,035,705
Leominster	4,929	5,601	4,127	10,838,024	10,530,815	7,501,720
Waltham	6,465	6,037	6,208	10,236,912	7,814,178	7,149,697
Marlborough	3,822	4,265	3,479	9,983,632	10,382,277	7,468,849
Webster	3,246	[2] 3,019	.....	9,233,919	[2] 10,027,086	.....
Beverly	4,641	4,487	2,083	8,774,187	8,652,547	4,101,168
Framingham	3,982	3,069	2,484	8,726,574	6,916,864	4,173,579
Northampton	3,446	3,150	2,963	8,580,730	6,998,992	5,756,381
Gloucester	2,814	2,181	1,763	8,533,964	7,753,463	6,920,984
Westfield	3,584	3,060	2,634	8,420,439	7,361,528	5,818,130
Malden	2,850	2,900	2,954	8,366,344	8,205,852	11,235,635
Weymouth	2,074	1,991	1,841	8,251,041	6,627,168	4,921,955
Newburyport	3,349	3,215	2,955	8,245,998	6,931,049	6,809,979
Gardner	3,964	3,617	3,168	7,449,987	6,485,148	5,019,019
Southbridge	4,332	4,037	3,223	7,366,430	6,269,131	4,201,853
Clinton	4,064	4,123	3,482	6,735,297	7,844,543	5,457,865
Adams	3,930	3,991	3,994	6,530,232	6,410,054	5,492,001
Wakefield	2,008	2,230	.....	6,057,659	5,527,102	.....
Newton	2,154	2,174	1,893	5,822,853	6,278,714	4,140,996
Woburn	1,565	1,653	1,482	5,517,806	5,408,081	4,654,067
Winchester	1,048	.....	.....	5,159,479	.....	.....
West Springfield	2,209	.....	.....	5,039,953	.....	.....
N. Attleborough	2,250	.....	.....	4,867,725	.....	.....
Natick	1,347	.....	.....	4,566,253	.....	.....
Methuen	1,940	1,572	.....	4,461,111	3,475,702	.....
Milford	1,749	1,801	1,782	4,028,492	4,442,140	3,390,504
Amesbury	1,451	.....	.....	3,551,434	.....	.....
Greenfield	1,602	1,251	.....	3,527,101	2,801,011	.....
Medford	559	560	484	2,618,893	2,045,289	871,820
Melrose	962	1,038	1,571	2,499,029	2,824,669	9,450,929
Brookline	335	340	495	658,502	532,303	732,845
Arlington	246	283	.....	641,092	695,356	.....
Dedham	256	.....	.....	427,690	.....	.....
Revere	80	101	125	349,696	407,336	355,060
Winthrop	16	7	.....	77,994	42,168	.....

[1] Includes Hyde Park, consolidated with Boston Jan. 1, 1912.
[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.

In 24 of the cities for which comparative figures are given for 1904, 1909, and 1914, there was an increase in the average number of wage earners and in the value of products for each five-year period. In a number of the cities fluctuations of increase and decrease in the two items are shown at the same census period. Melrose is the only city for which decreases appear in both items at each census.

The totals for Boston, Springfield, and Watertown are not fully representative of the manufacturing activities in those cities, since they do not include the statistics for the establishments operated by the Federal Government. The average number of wage earners employed and the value of products manufactured in these Federal institutions are given in the following statement, for 1914:

GOVERNMENTAL ESTABLISHMENT, 1914.	Wage earners (average number).	Value of products.
Total	2,388	$3,456,841
Boston Navy Yard	1,033	1,560,506
Springfield Armory	769	866,166
Watertown Arsenal	586	1,030,169

The principal industries in the cities having 50,000 inhabitants and over in 1914, for which statistics can be presented separately, are shown in Table 14. The industries are listed in the order of their importance as measured by value of products, and show the absolute and relative increase from 1909 to 1914, and also the percentage which the value of products for each industry represents of the corresponding total for the state.

Table 14

City and industry.	Value of products. Amount 1914.	Per cent of the industry total for the state.	Increase[1] over 1909. Amount.	Per cent.
Boston.				
Printing and publishing	$33,248,916	59.2	$5,227,748	18.7
Boots and shoes, including cut stock and findings	27,162,708	10.6	1,015,953	3.9
Foundry and machine-shop products	18,258,598	21.3	4,784,627	35.5
Confectionery	14,795,919	73.5	4,454,644	43.1
Clothing, men's	14,080,247	71.8	−454,761	−3.1
Bread and other bakery products	11,413,378	34.3	3,303,959	40.7
Clothing, women's	9,608,758	68.7	1,767,018	22.5
Liquors, malt	8,836,272	56.6	1,282,603	17.0
Coffee and spice, roasting and grinding	8,463,495	97.6	3,155,508	59.4
Tobacco manufactures	6,684,409	72.1	1,178,102	21.4
Slaughtering and meat packing	6,395,954	11.7	2,300,014	56.2
Cars and general shop construction and repairs by steam-railroad companies	5,024,316	56.9	3,488,579	227.2
Patent medicines and compounds and druggists' preparations	4,622,820	55.9	656,822	16.6
Copper, tin, and sheet-iron products	4,144,270	56.4	219,115	5.6
Chocolate and cocoa products; Sugar, refining	(2)	(2)	(2)	(2)
Brockton.				
Boots and shoes, including cut stock and findings	44,122,125	17.3	4,829,007	12.3
Bread and other bakery products	1,069,520	3.2	177,031	19.8
Printing and publishing	744,241	1.3	74,737	11.2
Lasts	584,358	30.6	45,655	8.5
Foundry and machine-shop products	431,325	0.5	40,247	10.3
Blacking, stains, and dressings	429,535	11.2	101,937	31.1
Iron and steel, nails and spikes, cut and wrought, including wire nails	(2)	(2)	(2)	(2)
Cambridge.				
Foundry and machine-shop products	5,332,392	6.2	543,698	11.4
Printing and publishing	4,019,642	7.2	652,054	19.4
Bread and other bakery products	3,954,493	11.9	992,005	33.5
Confectionery	3,285,724	16.3	1,375,953	72.0
Belting and hose, rubber; Boots and shoes, rubber; Electrical machinery, apparatus, and supplies; Liquors, distilled; Sugar, refining	(2)	(2)	(2)	(2)
Fall River.				
Cotton goods, including cotton small wares	49,995,011	25.3	1,418,897	2.9
Foundry and machine-shop products	1,063,957	1.2	−277,755	−20.7
Bread and other bakery products	1,017,232	3.1	221,178	27.8
Bags, other than paper; Cordage and twine; Dyeing and finishing textiles; Liquors, malt; Waste, cotton	(2)	(2)	(2)	(2)
Holyoke.				
Paper and wood pulp, paper exclusively	13,178,525	30.4	873,725	7.1
Foundry and machine-shop products	2,197,044	2.6	102,130	4.9
Paper goods, not elsewhere specified	1,931,564	12.4	507,744	35.7
Stationery goods, not elsewhere specified	1,891,009	29.0	.....	.....
Printing and publishing	1,696,681	3.0	247,136	17.0
Lumber, planing-mill products, not including planing mills connected with sawmills	641,353	2.8	279,510	77.2
Cotton goods; Silk goods, including throwsters; Woolen and worsted goods	(2)	(2)	(2)	(2)
Lawrence.				
Woolen and worsted goods	51,584,497	39.6	−6,951,453	−11.9
Cotton goods	7,143,127	3.6	317,627	4.7
Foundry and machine-shop products	1,443,267	1.7	−277,176	−16.1
Lumber and timber products	1,139,496	5.0	−250,336	−18.0
Lawrence—Continued.				
Bread and other bakery products	$799,739	2.3	$227,514	39.8
Boots and shoes; Carpets and rugs, other than rag; Dyeing and finishing textiles; Paper and wood pulp	(2)	(2)	(2)	(2)
Lowell.				
Cotton goods, including cotton small wares	23,178,333	11.7	−1,565,907	−6.3
Woolen and worsted goods	3,923,754	3.0	−1,598,082	−28.9
Boots and shoes	3,549,043	1.4	899,205	33.9
Foundry and machine-shop products	2,788,452	3.3	−1,544,517	−35.6
Dyeing and finishing textiles	1,440,266	6.4	.....	.....
Lumber and timber products	1,122,853	4.9	56,682	5.3
Carpets and rugs, other than rag; Hosiery and knit goods; Leather, tanned, curried, and finished; Liquors, malt	(2)	(2)	(2)	(2)
Lynn.				
Boots and shoes, including cut stock and findings	43,891,058	17.2	−2,768,651	−5.9
Leather, tanned, curried, and finished	3,848,671	8.5	−1,245,256	−24.4
Patent medicines and compounds	1,180,498	14.3	232,097	24.5
Bread and other bakery products	784,033	2.4	102,990	15.1
Boxes and cartons, paper	735,948	10.4	5,801	0.8
Electrical machinery, apparatus, and supplies	(2)	(2)	(2)	(2)
New Bedford.				
Cotton goods	51,766,234	26.2	9,261,227	21.8
Bread and other bakery products	1,218,767	3.7	195,938	19.2
Printing and publishing	536,788	1.0	54,214	11.2
Foundry and machine-shop products	522,256	0.6	68,150	15.0
Boots and shoes, including findings; Brass and bronze products; Cordage and twine; Oil, fish; Tools, not elsewhere specified	(2)	(2)	(2)	(2)
Somerville.				
Slaughtering and meat packing	36,335,195	66.7	5,064,934	16.2
Bread and other bakery products	667,874	2.0	238,704	55.6
Foundry and machine-shop products	210,389	0.2	13,438	6.8
Brass and bronze products; Furniture	(2)	(2)	(2)	(2)
Springfield.				
Electrical machinery, apparatus, and supplies	4,014,677	9.2	3,823,201	1,196.7
Printing and publishing	3,756,770	6.7	−144,517	−3.7
Foundry and machine-shop products	3,403,835	4.0	397,351	13.2
Chemicals; Motorcycles, bicycles, and parts; Paper goods, not elsewhere specified; Slaughtering and meat packing	(2)	(2)	(2)	(2)
Worcester.				
Foundry and machine-shop products	12,225,893	14.3	−993,393	−7.5
Wire	6,394,982	76.2	.....	.....
Woolen and worsted goods	3,585,143	2.8	−874,868	−19.6
Corsets	3,433,507	75.0	.....	.....
Boots and shoes, including cut stock and findings	2,773,056	1.1	358,978	14.9
Wirework, including woven-wire fencing	2,603,834	53.4	.....	.....
Belting, leather; Carpets and rugs, other than rag; Cars, steam-railroad, not including operations of railroad companies; Steel works and rolling mills; Paper goods, not elsewhere specified; Slaughtering and meat packing	(2)	(2)	(2)	(2)

[1] A minus sign (−) denotes decrease.
[2] Relative rank can not be shown without disclosing individual operations.

The statement on page 19 gives the principal industries in the cities of Massachusetts having from 10,000 to 50,000 inhabitants in 1914, arranged according to their rank as to the value of products.

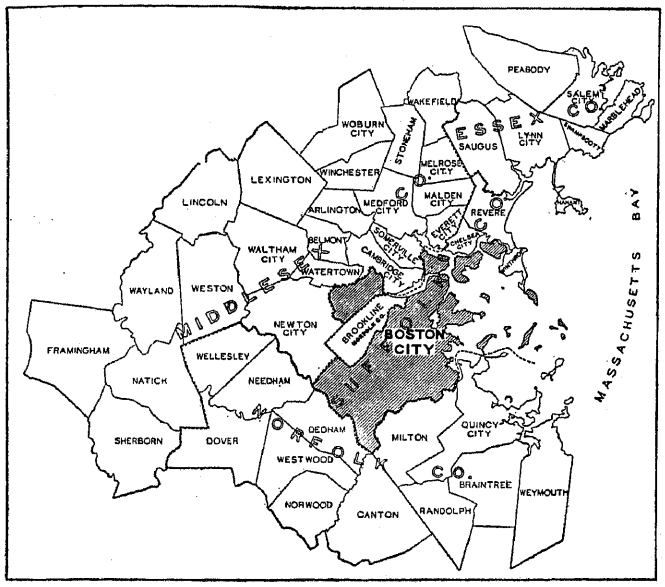
CITY.	Principal industry.
Adams	Cotton goods. Paper mills.
Amesbury	Automobile bodies and parts. Lamps and reflectors. Boots and shoes.
Arlington	Lumber, planing-mill products. Piano materials.
Attleboro	Jewelry. Cotton goods. Foundry and machine-shop products. Silversmithing and silverware.
Beverly	Foundry and machine-shop products. Boots and shoes.
Brookline	Electrical machinery, apparatus, and supplies. Automobile bodies and parts.
Chelsea	Boots and shoes. Belting and hose, rubber. Lithographing. Boxes, wooden packing. Paints.
Chicopee	Rubber goods, not elsewhere specified. Cotton goods. Slaughtering and meat packing. Automobiles. Sporting and athletic goods.
Clinton	Cotton goods. Carpets and rugs, other than rag. Wirework, woven-wire fencing, iron-wire cloth, etc.
Dedham	Carpets and rugs, other than rag. Dyeing and finishing textiles.
Everett	Coke, not including gas-house coke. Chemicals. Boots and shoes. Varnishes.
Fitchburg	Paper mills. Cotton goods. Worsted goods. Firearms. Saws.
Framingham	Paper goods, cones, labels, boxes, etc. Boots and shoes. Worsted goods.
Gardner	Furniture, wood and rattan and willow. Carriages and sleds, children's.
Gloucester	Canning and preserving, fish. Glue, not elsewhere specified. Nets and seines.
Greenfield	Tools, machine, mechanics', etc. Silversmithing and silverware. Flour-mill and gristmill products.
Haverhill	Boots and shoes. Boot and shoe cut stock. Boot and shoe findings. Paper mills. Leather, tanned, curried, and finished.
Leominster	Combs and hairpins, horn and celluloid. Shirts. Pianos. Buttons. Chemicals.
Malden	Boots and shoes, rubber. Soap. Paints.
Marlborough	Boots and shoes. Boxes, wooden packing.
Medford	Wool pulling. Leather, tanned, curried, and finished. Boxes and cartons, paper.
Melrose	Boots and shoes, rubber. Clothing, women's. Bread and other bakery products.
Methuen	Cotton goods. Worsted goods.
Milford	Boots and shoes. Dyeing and finishing textiles. Hats, straw.
Natick	Boots and shoes. Boot and shoe cut stock. Sporting and athletic goods.
Newburyport	Boots and shoes. Cotton goods. Silversmithing and silverware.
Newton	Worsted goods. Electrical machinery, apparatus, and supplies. Foundry and machine-shop products.
North Adams	Dyeing and finishing textiles. Boots and shoes. Cotton goods. Worsted goods.
North Attleborough	Jewelry. Silversmithing and silverware. Boxes and cartons, paper.
Northampton	Silk goods. Hosiery and knit goods. Lumber and timber products. Brushes, bristle.
Peabody	Leather, tanned, curried, and finished. Upholstering materials, curled hair, etc. Foundry and machine-shop products.
Pittsfield	Electrical machinery, apparatus, and supplies. Woolen goods. Stationery goods, writing paper, cards, tablets, and envelopes. Hosiery and knit goods. Worsted goods.
Plymouth	Cordage and twine. Worsted goods. Rubber goods, not elsewhere specified.
Quincy	Shipbuilding, iron and steel. Monuments and tombstones. Iron and steel, bolts, nuts, washers, and rivets, not made in steel works and rolling mills. Foundry and machine-shop products. Marble and stone work.
Revere	Coffee and spice, roasting and grinding. Architectural and fireproofing terra cotta. Bread and other bakery products.
Salem	Boots and shoes. Leather, tanned, curried, and finished. Cotton goods. Boot and shoe findings. Boot and shoe cut stock.
Southbridge	Optical goods. Worsted goods. Cotton goods.
Taunton	Cotton goods. Stoves and ranges. Silversmithing and silverware. Foundry and machine-shop products. Oilcloth, enameled.
Wakefield	Furniture, rattan and willow. Hosiery and knit goods. Boots and shoes.
Waltham	Watches. Automobiles. Cotton goods. Foundry and machine-shop products. Iron and steel, bolts, nuts, washers, and rivets, not made in steel works and rolling mills.
Watertown	Boots and shoes, rubber. Worsted goods. Automobiles. Stoves and ranges. House-furnishing goods, not elsewhere specified.
Webster	Dyeing and finishing textiles. Boots and shoes. Woolen and worsted goods. Cotton goods.
Westfield	Whips. Steam fittings and steam and hot-water heating apparatus. Motorcycles, bicycles, and parts. Tobacco, cigars. Cotton goods.
West Springfield	Paper mills. Railroad repair shops. Foundry and machine-shop products.
Weymouth	Boots and shoes. Fertilizers. Boot and shoe findings. Varnishes. Boxes and cartons, paper.
Winchester	Leather, tanned, curried, and finished. Glue, not elsewhere specified. Soda-water apparatus. Felt goods. Foundry and machine-shop products.
Winthrop	Cleansing and polishing preparations. Bread and other bakery products. Ice, manufactured.
Woburn	Leather, tanned, curried, and finished. Chemicals. Foundry and machine-shop products. Boot and shoe cut stock.

Boston metropolitan district.—The district for which statistics are presented includes not only the area within the corporate limits of Boston but also parts of the surrounding territory which may in a general way be regarded as closely associated with the development of the city.

In many cases manufacturing establishments of considerable size are located just outside the boundaries of cities. The corporate limits of some cities have been extended so as to include important manufacturing suburbs, while the boundaries of others have remained unchanged, although important manufacturing suburbs have developed. When city limits are established or extended the boundaries are in many instances so run as to leave outside certain plants which from an industrial standpoint belong to the city. For this reason the statistics for a city alone do not always accurately represent its industrial importance. It follows, therefore, that the importance of a city as a manufacturing center can be ascertained only by combining the statistics for establishments actually located within its limits with those for the neighboring manufacturing establishments which are closely identified with its industrial development.

Territory included.—The Boston metropolitan district embraces 335,905 acres of territory, of which 27,612 acres constitute the area of Boston. It comprises in addition to the city of Boston, 25 cities for which separate statistics are given in Table 45. The estimated population of the city of Boston in 1914 was 733,802 and that of the outside territory 902,141, forming a total population for the district of 1,635,943.

The following outline map shows, for 1914, the cities and towns that are included in the metropolitan district of Boston.



Summary of the district.—Table 15 is a summary for 1914 of the statistics of manufacturing industries, with a statement of the estimated population in 1914 of the district, of the city of Boston, and of the remainder of the district. The percentages which the figures for Boston represent separately of the total for the district are shown for each item.

Table 15

	BOSTON METROPOLITAN DISTRICT, 1914.			Per cent Boston is of total for district.
	The district.	Boston.	District exclusive of Boston.[1]	
Population [2]	1,635,943	733,802	902,141	44.9
Number of establishments	5,543	3,138	2,405	56.6
Persons engaged	225,632	96,913	128,719	43.0
Proprietors and firm members	4,803	2,656	2,147	55.3
Salaried employees	29,062	15,363	13,699	52.9
Wage earners (average number)	191,767	78,894	112,873	41.1
Primary horsepower	257,377	85,897	171,480	33.4
Capital	$526,765,925	$215,176,513	$311,589,412	40.8
Salaries and wages	157,155,755	70,688,281	86,467,474	45.0
Salaries	38,990,973	21,244,004	17,746,969	54.5
Wages	118,164,782	49,444,277	68,720,505	41.9
Paid for contract work	6,959,484	5,432,998	1,526,486	78.1
Rent and taxes (including internal revenue)	15,245,301	9,435,555	5,809,746	61.9
Cost of materials	359,358,085	150,568,280	208,789,805	41.9
Value of products	642,349,788	284,802,479	357,547,309	44.3
Value added by manufacture (value of products less cost of materials)	282,991,703	134,234,199	148,757,504	47.4

[1] Includes the following cities: Arlington, Brookline, Cambridge, Chelsea, Dedham, Everett, Framingham, Lynn, Malden, Medford, Melrose, Natick, Newton, Peabody, Quincy, Revere, Salem, Somerville, Wakefield, Waltham, Watertown, Weymouth, Winchester, Winthrop, and Woburn, separate statistics for which are given in Table 45.
[2] Estimated July 1, 1914.

In 1914 the metropolitan district had 5,543 manufacturing establishments, which gave employment to 225,632 persons during the year, 191,767 of whom were wage earners, and paid out $157,155,755 in salaries and wages. These establishments manufactured products to the value of $642,349,788, to produce which materials were used amounting to $359,358,085, thus the value added by manufacture was $282,991,703.

Comparison with earlier censuses.—Table 16 is a comparative summary of the statistics of the Boston metropolitan district as a whole, for 1914, 1909, and 1904, together with the per cent of increase for the decade and for each five-year period.

Table 16

	BOSTON METROPOLITAN DISTRICT.			PER CENT OF INCREASE.[1]		
	1914	1909	1904	1904–1914	1909–1914	1904–1909
Population	[2] 1,635,943	[3] 1,520,470	[4] 1,354,653	20.8	7.6	12.2
Number of establishments	5,543	5,389	4,870	13.8	2.9	10.7
Persons engaged	225,632	214,641	182,270	23.8	5.1	17.8
Proprietors and firm members	4,803	4,989	5,123	−6.2	−3.7	−2.6
Salaried employees	29,062	23,700	16,666	74.4	22.6	42.2
Wage earners (average number)	191,767	185,952	160,481	19.5	3.1	15.9
Primary horsepower	257,377	223,886	161,954	58.9	15.0	38.2
Capital	$526,765,925	$444,558,420	$311,088,956	69.3	18.5	42.9
Salaries and wages	157,155,755	132,394,865	102,501,692	53.3	18.7	29.2
Salaries	38,990,973	29,073,546	18,637,473	109.2	34.1	56.0
Wages	118,164,782	103,321,319	83,864,219	40.9	14.4	23.2
Cost of materials	359,358,085	315,770,540	249,836,542	43.8	13.8	26.4
Value of products	642,349,788	564,054,506	457,254,360	40.5	13.9	23.4
Value added by manufacture (value of products less cost of materials)	282,991,703	248,283,966	207,417,818	36.4	14.0	19.7

[1] A minus sign (−) denotes decrease.
[2] Estimated July 1, 1914.
[3] Apr. 15, 1910.
[4] State census, May 1, 1905.

The figures for 1914 and 1909 are for the "metropolitan" area as defined in the population census of 1910, and those for 1904 are for the "industrial" area, as given in the census of manufactures of 1904. The difference in area is slight and does not materially affect the comparison of the figures given in the table.

While increases are shown in all items, except proprietors and firm members, during each five-year period, they are smaller for 1909–1914 than for the earlier period. For the decade, 1904–1914, very substantial increases are shown.

Comparative summary, by industries.—Statistics for those industries having products valued at $1,000,000 or more in 1914, which can be shown separately, are given in Table 17 for 1914 and 1909.

Table 17 COMPARATIVE SUMMARY FOR THE BOSTON METROPOLITAN DISTRICT, BY INDUSTRIES: 1914 AND 1909.

INDUSTRY.	Census year.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
All industries	1914	5,543	225,632	4,803	29,062	191,767	257,377	$526,765,925	$38,990,973	$118,164,782	$359,358,085	$642,349,788	$282,991,703
	1909	5,389	214,641	4,989	23,700	185,952	223,886	444,558,420	29,073,546	103,321,319	315,770,540	564,054,506	248,283,966
Automobiles, including bodies and parts.	1914	27	1,610	14	208	1,388	1,320	2,473,254	199,314	1,054,442	2,197,519	4,334,090	2,136,571
	1909	24	1,001	14	139	848	623	1,556,831	138,606	619,408	1,054,842	2,280,009	1,225,167
Blacking and cleansing and polishing preparations.	1914	54	778	37	245	496	510	1,323,245	375,621	250,914	1,808,271	3,246,646	1,438,375
	1909	52	718	43	207	468	805	1,521,478	301,119	217,058	1,629,244	3,212,367	1,583,123
Boots and shoes, including cut stock and findings.	1914	367	37,445	381	3,174	33,890	13,863	47,000,495	3,915,873	20,030,148	68,072,827	104,205,579	36,132,752
	1909	379	38,711	411	2,802	35,498	16,035	40,954,462	2,863,520	19,124,660	68,508,765	103,242,953	34,734,188
Boxes, fancy and paper	1914	47	2,475	26	178	2,271	1,321	1,927,558	248,975	1,003,858	1,750,767	3,517,112	1,766,345
	1909	48	2,377	35	158	2,184	1,242	1,402,661	202,662	867,627	1,678,118	3,315,959	1,637,841
Brass, bronze, and copper products.	1914	38	910	32	63	815	2,260	1,841,755	128,761	546,784	1,405,174	2,433,189	1,028,015
	1909	46	1,067	40	73	954	1,973	1,885,918	102,327	617,779	1,664,303	2,925,298	1,260,995
Bread and other bakery products.	1914	593	6,154	644	860	4,650	4,072	8,787,402	897,692	2,775,481	10,172,698	19,273,819	9,101,121
	1909	535	5,018	569	811	3,638	7,887	9,095,032	568,053	2,045,634	8,786,364	14,363,718	5,577,354
Brushes	1914	14	1,143	11	119	1,013	584	2,794,442	177,507	479,401	1,861,697	2,967,283	m 1,105,586
	1909	17	1,250	14	108	1,128	382	1,880,065	136,476	447,549	1,158,060	2,202,880	1,044,820
Canning and preserving	1914	29	650	15	147	488	626	1,197,198	221,858	259,217	1,787,345	2,807,032	1,019,687
	1909	28	499	21	122	356	589	1,046,197	137,224	154,354	1,452,880	2,070,803	617,923
Carriages and wagons and materials.	1914	71	877	86	57	734	965	1,116,145	58,283	543,050	561,396	1,434,884	873,488
	1909	58	741	72	45	624	849	964,989	41,540	410,246	465,705	1,213,649	747,944
Cars and general shop construction and repairs by electric-railroad companies.	1914	11	1,112	.....	24	1,088	200	1,556,020	30,554	872,843	666,630	1,488,339	821,709
	1909	14	1,018	.....	18	1,000	1,356	1,313,596	23,588	687,288	490,210	1,215,732	725,522
Cars and general shop construction and repairs by steam-railroad companies.	1914	8	4,404	.....	189	4,215	3,306	4,870,695	198,545	2,828,697	2,876,058	5,903,920	3,027,862
	1909	12	3,855	.....	170	3,685	3,926	3,258,702	154,420	2,385,208	2,336,201	4,948,127	2,611,926
Chemicals	1914	19	1,011	10	181	820	3,207	4,694,418	294,465	585,180	2,126,641	4,263,374	2,136,733
	1909	17	892	8	150	734	2,012	2,835,041	226,972	481,179	1,856,886	3,600,363	1,743,477
Clothing	1914	353	11,367	405	1,110	9,852	2,034	10,509,297	1,344,925	5,272,714	14,171,689	25,978,221	11,806,532
	1909	349	10,460	433	917	9,110	1,950	9,394,915	1,022,469	4,342,547	12,888,050	24,001,327	11,113,277
Coffee and spice, roasting and grinding.	1914	[1] 17	825	17	362	446	1,114	3,559,279	665,918	252,490	6,124,157	8,463,495	2,339,338
	1909	12	644	10	279	355	936	2,621,518	444,448	193,184	3,879,975	5,543,838	1,663,863
Confectionery	1914	99	7,239	63	853	6,323	4,835	9,607,423	1,218,629	2,488,312	11,260,601	18,437,701	7,177,100
	1909	78	5,659	53	650	4,956	3,378	6,028,139	1,001,577	1,606,018	7,436,106	12,487,864	5,051,758
Cooperage and wooden goods, not elsewhere specified.	1914	10	384	4	23	357	554	483,740	36,672	226,527	672,792	1,021,778	348,986
	1909	13	405	8	22	375	776	579,993	35,995	201,623	600,678	937,048	336,370
Copper, tin, and sheet-iron work.	1914	94	2,287	108	350	1,829	1,294	5,951,497	423,906	1,119,475	2,654,907	5,313,813	2,658,906
	1909	99	2,350	94	279	1,977	982	5,174,517	306,472	1,129,482	2,231,785	4,629,656	2,397,871
Cotton goods, including cotton small wares.	1914	8	2,294	2	59	2,233	10,450	7,346,570	113,756	969,920	2,206,167	3,788,183	1,582,016
	1909	6	2,642	3	47	2,592	7,402	4,691,657	98,211	1,041,391	2,237,334	4,426,528	2,189,194
Cutlery and tools, not elsewhere specified.	1914	34	1,034	35	140	859	1,172	3,877,168	187,272	449,192	821,233	3,459,484	2,638,251
	1909	32	1,597	32	122	1,443	1,404	2,437,535	190,312	629,494	1,021,080	3,182,744	2,161,664
Dyeing and finishing textiles.	1914	18	1,626	3	109	1,514	4,453	2,491,120	175,489	762,241	949,898	2,275,876	1,325,978
	1909	11	1,288	6	62	1,220	3,699	2,208,627	109,548	571,943	783,910	2,086,930	1,303,020
Electrical machinery, apparatus, and supplies.	1914	61	14,213	17	1,932	12,264	18,374	27,430,915	2,597,958	7,321,096	9,515,692	25,354,827	15,839,135
	1909	53	12,373	19	1,508	10,846	11,462	23,392,474	1,759,833	5,884,212	7,917,558	19,787,013	11,869,455
Food preparations	1914	44	619	44	201	374	794	909,773	334,180	227,958	1,520,953	3,221,502	1,700,549
	1909	25	456	27	181	248	434	722,543	231,917	143,291	749,275	1,654,763	905,488
Foundry and machine-shop products.	1914	412	16,270	249	2,464	13,557	19,973	39,870,146	3,409,028	9,552,156	12,066,871	32,585,404	20,518,533
	1909	363	16,174	261	2,006	13,907	18,007	38,311,242	2,563,245	8,789,883	11,620,707	29,752,537	18,131,830
Furnishing goods, men's	1914	23	1,890	16	231	1,643	854	2,794,738	303,024	763,402	2,773,069	4,620,037	1,846,968
	1909	27	2,141	21	255	1,865	896	2,958,800	379,339	827,326	3,607,193	6,107,568	2,500,375
Furniture and refrigerators	1914	81	2,991	70	333	2,588	2,995	4,901,922	487,233	1,749,525	2,731,538	6,643,758	3,912,220
	1909	91	3,381	95	290	2,996	4,471	5,546,316	387,882	1,875,336	2,701,662	6,657,891	3,956,229
Gas, illuminating and heating.	1914	17	1,533	.....	232	1,301	6,297	42,301,773	322,461	888,957	3,294,411	8,906,776	5,612,365
	1909	19	1,195	.....	171	1,024	4,420	36,524,593	202,742	577,181	2,114,345	6,274,063	4,159,718

[1] Excludes statistics for establishments located outside the corporate limits of Boston, to avoid disclosure of individual operations.

Table 17—Continued.

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

INDUSTRY.	Census year.	Number of establishments.	Persons engaged in the 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.
Glue, not elsewhere specified.	1914	7	493	2	42	449	1,251	$2,254,947	$71,820	$225,908	$1,171,017	$1,663,823	$492,806
	1909	8	449	6	43	400	1,591	2,289,349	56,674	160,995	643,781	970,657	326,876
Grease and tallow, not including lubricating greases.	1914	15	312	6	47	259	477	1,279,541	68,890	184,081	945,289	1,314,147	368,858
	1909	15	303	10	55	238	572	685,839	79,855	148,830	805,023	1,176,442	371,419
Hosiery and knit goods	1914	38	2,806	25	180	2,601	1,707	5,161,396	266,926	1,244,518	3,483,187	6,327,715	2,844,528
	1909	32	2,535	21	129	2,385	1,266	3,031,502	231,230	908,035	2,580,003	4,940,772	2,360,769
House-furnishing goods, not elsewhere specified.	1914	21	495	14	69	412	764	904,416	84,022	186,531	778,227	1,225,429	447,202
	1909	14	315	15	26	274	285	620,637	30,639	112,267	558,487	844,841	286,354
Instruments, professional and scientific.	1914	21	676	14	129	533	627	1,027,084	126,129	372,656	439,294	1,043,581	604,287
Jewelry	1914	52	599	49	100	450	310	740,112	108,720	283,561	489,343	1,160,812	671,469
	1909	42	1,130	40	121	969	555	1.143,398	130,998	487,675	783,603	1,804,643	1,021,040
Leather goods	1914	62	697	61	94	542	218	797,119	101,081	317,388	950,222	1,720,339	770,117
	1909	69	1,081	71	160	850	385	986,526	160,180	410,191	1,155,667	2,094,291	938,624
Leather, tanned, curried, and finished.	1914	109	9,103	85	472	8,546	21,133	33,415,670	690,858	4,938,974	26,374,996	36,370,668	9,995,672
	1909	109	9,038	92	513	8,433	15,542	29,511,938	741,561	4,504,568	22,913,876	32,493,668	9,579,792
Liquors, malt	1914	13	1,461	2	234	1,225	5,951	13,688,141	588,935	1,148,553	2,593,579	8,836,272	6,242,693
	1909	[1] 20	1,338	2	210	1,126	4,799	13,435,765	478,169	1,019,213	1,956,874	7,553,669	5,596,795
Lumber and timber products.	1914	128	2,706	108	299	2,299	8,532	4,659,719	400,523	1,643,119	4,210,710	7,297,465	3,086,755
	1909	123	2,533	120	244	2,169	7,393	3,912,853	281,119	1,438,170	3,187,661	6,112,989	2,925,328
Marble and stone work	1914	173	2,340	230	196	1,914	6,450	3,184,551	227,679	1,517,255	1,388,409	4,237,675	2,849,266
	1909	195	3,051	258	187	2,606	7,547	3,455,026	225,457	1,931,735	1,624,653	4,896,578	3,271,925
Mattresses and spring beds	1914	30	673	25	92	556	641	638,185	134,316	279,926	1,153,623	1,972,910	819,287
	1909	35	648	32	98	518	439	665,559	118,917	259,246	1,077,536	1,826,305	748,769
Millinery and lace goods	1914	63	2,098	62	273	1,763	383	1,867,992	374,964	831,066	2,595,045	4,541,403	1,946,358
	1909	67	1,894	71	219	1,604	324	1,478,094	252,854	636,167	2,147,694	3,748,470	1,600,776
Mineral and soda waters	1914	55	366	66	101	199	312	978,934	154,816	145,258	613,869	1,403,825	789,956
	1909	54	386	64	94	228	282	933,060	121,140	154,350	465,061	1,191,833	726,772
Mucilage and paste	1914	11	135	12	49	74	500	616,459	82,145	52,039	738,058	1,132,308	394,250
	1909	13	103	9	39	55	482	585,402	61,332	37,719	975,656	1,260,266	284,610
Musical instruments, pianos and organs and materials.	1914	27	2,754	9	286	2,459	2,671	9,146,569	426,503	1,666,939	2,549,975	5,518,035	2,968,060
	1909	34	3,086	20	303	2,763	2,337	8,660,626	464,000	1,767,582	2,634,723	6,145,903	3,511,180
Oil, not elsewhere specified	1914	6	262	3	39	220	754	985,375	49,635	145,333	1,490,082	1,995,681	505,599
	1909	6	256	3	31	222	563	575,904	47,834	132,784	1,691,743	2,068,154	376,411
Paint and varnish	1914	24	686	6	255	425	1,146	2,710,482	371,607	258,007	2,184,164	4,189,603	2,005,439
	1909	28	569	13	186	370	1,522	1,752,160	244,575	213,436	1,706,955	2,904,313	1,197,358
Paper goods, not elsewhere specified.	1914	20	3,235	13	976	2,246	1,426	4,333,717	879,236	1,179,820	1,898,235	4,304,336	2,406,101
Patent medicines and compounds and druggists' preparations.	1914	109	1,553	70	396	1,087	765	3,687,068	566,623	530,753	2,685,901	6,633,889	3,947,988
	1909	106	1,356	71	378	907	484	3,187,013	495,629	433,865	2,037,322	5,641,942	3,604,620
Photo-engraving	1914	[1] 19	608	7	169	432	269	418,283	214,214	398,712	145,008	1,002,295	857,287
	1909	20	545	19	120	406	111	379,302	161,538	325,712	130,352	791,479	652,127
Printing and publishing	1914	808	18,852	637	5,215	13,000	13,864	33,168,138	6,915,130	9,820,525	13,186,928	43,374,457	30,187,529
	1909	784	17,289	629	3,948	12,712	9,816	24,070,792	4,611,452	8,721,281	9,475,017	35,796,494	26,321,477
Rubber goods, not elsewhere specified.	1914	19	961	.....	165	796	3,967	2,837,539	248,834	458,338	1,938,095	3,032,457	1,094,362
Silk goods, including throwsters.	1914	5	477	5	35	437	994	701,697	48,630	202,105	579,818	959,050	379,232
	1909	5	524	6	33	485	788	385,355	42,076	175,488	429,238	759,540	330,302
Slaughtering and meat packing.	1914	40	3,079	27	382	2,670	4,873	15,680,143	466,811	1,674,603	38,253,189	43,428,198	5,175,009
	1909	42	2,980	36	340	2,604	3,814	12,846,390	407,791	1,430,903	31,648,702	35,714,106	4,065,404
Soap	1914	23	515	15	126	374	1,016	2,889,602	161,923	205,232	1,922,489	3,926,336	2,003,847
	1909	25	541	19	137	385	1,063	2,196,412	189,686	189,197	1,955,689	3,690,126	1,734,437
Stationery goods, not elsewhere specified.	1914	8	638	1	79	558	248	612,403	93,485	281,077	730,045	1,218,243	488,198
	1909	6	423	1	44	378	107	209,595	36,700	151,317	339,256	744,359	405,103
Stoves and hot-air furnaces	1914	4	646	.....	71	575	934	1,702,133	117,593	444,697	311,020	1,158,899	847,879
	1909	7	819	2	107	710	807	1,804,448	169,841	535,127	470,653	1,507,932	1,037,279
Tobacco manufactures	1914	149	3,070	156	146	2,768	127	3,303,834	253,504	2,371,019	2,840,431	6,916,089	4,075,658
	1909	200	2,807	205	188	2,414	70	2,771,842	251,094	1,830,556	2,121,929	5,719,211	3,597,282
Woolen, worsted, and felt goods.	1914	11	1,981	1	102	1,878	5,949	5,362,068	224,750	962,599	3,545,788	5,384,993	1,839,205
	1909	12	1,732	4	93	1,635	5,144	5,279,399	149,597	725,239	3,946,006	5,609,089	1,663,083
All other industries	1914	924	38,214	803	4,399	33,012	61,691	126,394,620	6,102,772	20,920,210	71,121,048	123,112,733	51,991,685
	1909	910	38,998	861	4,062	34,075	57,902	109,396,393	5,201,111	18,608,770	65,427,144	113,924,806	48,497,662

[1] Excludes statistics for establishments located outside the corporate limits of Boston, to avoid disclosure of individual operations.

There were 154 more establishments in the district in 1914 than in 1909; the average number of wage earners increased 3.1 per cent, the value of manufactured products, 13.9 per cent, and value added by manufacture, 14 per cent. The principal industry of the district is the manufacture of boots and

shoes, with slaughtering and meat packing, printing and publishing, leather, tanned, curried, and finished, and foundry and machine-shop products ranking next in the order named. Of these five leading groups, slaughtering and meat packing and printing and publishing show the greatest relative gain in value of products, there being an increase over 1909 of 21.6 per cent and 21.2 per cent, respectively.

Character of ownership.—Table 18 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 18

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	5,902	3,985	2,126	606,698	44,683	502,727	59,288	7.4	82.8	9.8	$1,641,373,047	$117,430,275	$1,349,811,377	$174,131,395	7.2	82.2	10.6
	1909	6,015	3,483	2,186	584,559	55,318	468,301	60,940	9.5	80.1	10.4	1,490,529,386	137,804,436	1,182,935,652	169,789,298	9.2	79.4	11.4
	1904	5,684	2,555	2,484	488,399	55,989	354,711	77,699	11.5	72.6	15.9	1,124,092,051	127,500,985	810,543,002	186,048,064	11.3	72.1	16.6
Automobiles, including bodies and parts.	1914	19	35	12	3,439	206	3,019	214	6.0	87.8	6.2	11,198,790	657,088	9,942,047	599,655	5.9	88.8	5.3
	1909	20	34	8	4,138	370	3,642	126	8.9	88.0	3.0	11,359,224	1,044,768	9,967,729	346,727	9.2	87.8	3.1
Blacking and cleansing and polishing preparations.	1914	39	33	21	572	109	190	273	19.1	33.2	47.7	3,841,477	705,194	1,447,541	1,688,742	18.4	37.7	43.9
	1909	34	28	18	527	148	151	228	28.1	28.6	43.3	3,713,071	1,030,121	1,129,382	1,553,568	27.8	30.4	41.8
Boots and shoes, including cut stock and findings.	1914	354	285	245	85,114	8,894	60,272	15,948	10.5	70.8	18.7	255,188,013	27,290,757	174,367,111	53,530,145	10.7	68.3	21.0
	1909	399	235	226	83,063	10,663	[1] 55,444	16,956	12.8	66.7	20.4	236,342,915	30,483,211	[1] 150,498,188	55,361,516	12.9	63.7	23.4
Boxes, fancy and paper.	1914	30	50	17	4,244	553	2,869	822	13.0	67.6	19.4	7,084,975	842,799	4,019,325	2,222,851	11.9	56.7	31.4
	1909	37	44	18	3,838	779	2,185	874	20.3	56.9	22.8	5,757,611	1,116,431	3,280,149	1,361,031	19.4	57.0	23.6
Brass, bronze, and copper products.	1914	36	23	14	1,620	179	1,321	120	11.1	81.5	7.4	5,958,863	493,440	5,102,825	362,598	8.3	85.6	6.1
	1909	41	30	14	1,791	249	1,403	139	13.9	78.3	7.8	6,042,216	595,914	5,003,966	442,336	9.9	82.8	7.3
Bread and other bakery products.	1914	1,179	68	172	8,083	3,319	3,394	1,370	41.1	42.0	16.9	33,309,051	13,663,609	14,158,909	5,486,533	41.0	42.5	16.5
	1909	1,000	42	159	6,697	3,050	2,423	1,224	45.5	36.2	18.3	26,146,044	12,611,605	8,629,547	4,904,892	48.2	33.0	18.8
Canning and preserving.	1914	27	27	11	1,903	211	1,537	155	11.1	80.8	8.1	8,169,014	803,401	6,702,116	663,497	9.8	82.1	8.1
	1909	36	23	12	1,449	238	1,010	201	16.4	69.7	13.9	6,840,306	989,751	4,750,859	1,099,696	14.5	69.5	16.0
Carriages and wagons and materials.	1914	129	13	33	1,348	633	280	435	47.0	20.8	32.2	2,821,874	1,326,753	570,307	924,814	47.0	20.2	32.8
	1909	129	14	34	1,539	841	255	443	54.6	16.6	28.8	3,184,835	1,618,801	519,487	1,046,547	50.8	16.3	32.9
Chemicals	1914	2	17	5	1,395	.....	1,374	[2] 21	.....	98.5	1.5	6,684,918	.....	6,524,735	[2] 160,183	.....	97.6	2.4
	1909	5	17	2	1,358	[3] 18	1,340	.....	1.3	98.7	.....	5,916,451	[3] 146,992	5,769,459	.....	2.5	97.5	.....
Clothing, men's, including shirts.	1914	110	47	70	7,645	1,586	4,229	1,830	20.7	55.3	23.9	19,613,767	2,865,384	12,863,199	3,885,184	14.6	65.6	19.8
	1909	145	35	74	7,335	2,200	3,159	1,976	30.0	43.1	26.9	18,313,783	2,970,248	8,921,786	6,421,749	16.2	48.7	35.1
Clothing, women's	1914	85	51	66	6,076	1,475	2,440	2,161	24.3	40.1	35.6	13,982,587	3,391,138	5,386,178	5,205,271	24.3	38.5	37.2
	1909	81	39	54	5,813	1,727	2,314	1,772	29.7	39.8	30.5	11,727,980	3,756,580	4,331,088	3,640,312	32.0	36.9	31.0
Confectionery	1914	74	51	23	6,787	490	6,086	211	7.2	89.7	3.1	20,130,823	1,625,067	17,895,632	610,124	8.1	88.9	3.0
	1909	62	39	16	5,548	440	4,598	510	7.9	82.9	9.2	15,266,453	1,295,070	12,957,784	1,013,599	8.5	84.9	6.6
Cordage and twine and jute and linen goods.	1914	2	14	4	7,614	.....	4,159	[2] 3,455	.....	54.6	45.4	23,280,246	.....	15,498,051	[2] 7,782,195	.....	66.6	33.4
	1909	7	17	5	6,319	69	6,049	201	1.1	95.7	3.2	15,979,115	171,684	15,534,151	273,280	1.1	97.2	1.7
Cotton goods, including cotton small wares.	1914	7	169	13	113,559	352	111,304	1,903	0.3	98.0	1.7	197,322,111	688,173	192,909,028	3,724,910	0.3	97.8	1.9
	1909	12	157	13	108,914	643	106,678	1,593	0.6	97.9	1.5	186,462,313	1,181,169	182,959,980	2,321,164	0.6	98.1	1.2
Cutlery and tools, not elsewhere specified.	1914	61	57	19	6,485	390	5,951	144	6.0	91.8	2.2	12,974,022	651,783	12,091,163	231,076	5.0	93.2	1.8
	1909	56	59	20	6,747	379	6,131	237	5.6	90.9	3.5	11,610,749	628,895	10,403,061	578,793	5.4	89.6	5.0
Electrical machinery, apparatus, and supplies.	1914	20	67	4	17,125	260	16,812	53	1.5	98.2	0.3	43,869,294	793,483	42,937,503	138,308	1.8	97.9	0.3
	1909	16	59	8	14,507	203	14,071	233	1.4	97.0	1.6	28,142,889	464,517	27,236,700	441,672	1.7	96.8	1.6
Fancy articles, not elsewhere specified.	1914	21	36	10	2,777	299	2,088	390	10.8	75.2	14.0	5,341,576	653,695	4,173,016	514,865	12.2	78.1	9.7
	1909	28	35	15	3,558	949	1,907	702	26.7	53.6	19.7	6,618,241	1,583,490	3,705,607	1,329,144	23.9	56.0	20.1
Flour-mill and gristmill products.	1914	48	24	33	176	55	54	67	31.2	30.7	38.1	3,811,377	632,707	1,383,053	1,795,617	16.6	36.3	47.1
	1909	71	17	32	229	96	57	76	41.9	24.9	33.2	4,632,145	1,191,437	1,697,489	1,743,219	25.7	36.7	37.6
Foundry and machine-shop products.	1914	342	437	153	41,361	3,026	36,523	1,812	7.3	88.3	4.4	85,638,612	6,088,172	75,828,890	3,721,550	7.1	88.5	4.4
	1909	330	392	135	44,179	3,343	38,852	1,984	7.6	87.9	4.5	86,925,671	6,885,091	75,877,676	4,162,904	7.9	87.3	4.8
Furniture and refrigerators.	1914	49	63	33	6,954	598	5,482	874	8.6	78.8	12.6	14,281,057	1,130,161	11,347,640	1,803,256	7.9	79.5	12.6
	1909	60	48	47	7,277	811	5,114	1,352	11.1	70.3	18.6	13,867,548	1,436,221	9,934,611	2,496,716	10.4	71.6	18.0
Gas, illuminating and heating.	1914	1	56	4	3,182	.....	3,053	[2] 129	.....	95.9	4.1	15,751,637	.....	15,355,909	[2] 395,728	.....	97.5	2.5
	1909	1	57	6	2,292	.....	2,197	[2] 95	.....	95.9	4.1	11,074,354	.....	10,777,974	[2] 296,380	.....	97.3	2.7
Hosiery and knit goods.	1914	23	44	10	10,635	254	9,601	780	2.4	90.3	7.3	17,419,077	582,786	14,312,311	2,523,980	3.3	82.2	14.5
	1909	20	38	7	9,941	215	8,725	1,001	2.2	87.8	10.1	14,736,025	474,926	11,712,075	2,549,024	3.2	79.5	17.3
Jewelry	1914	67	76	59	6,505	879	3,684	1,942	13.5	56.6	29.9	14,175,857	1,699,658	8,737,846	3,738,353	12.0	61.6	26.4
	1909	62	60	53	7,423	1,183	3,780	2,460	15.9	50.9	33.1	15,210,738	2,372,099	7,637,218	5,201,421	15.6	50.2	34.2
Leather goods	1914	71	24	24	1,430	326	756	348	22.8	52.9	24.3	4,022,635	943,480	2,104,746	974,409	23.5	52.3	24.2
	1909	62	28	29	1,710	353	960	397	20.6	56.1	23.2	4,373,266	968,749	2,325,448	1,079,069	22.2	53.2	24.6
Leather, tanned, curried, and finished.	1914	39	61	26	10,164	1,228	7,742	1,194	12.1	76.2	11.7	45,265,434	2,428,279	38,741,662	4,095,493	5.4	85.6	9.0
	1909	42	60	30	10,252	1,039	7,667	1,546	10.1	74.8	15.1	40,002,079	2,413,413	33,017,662	4,571,004	6.0	82.5	11.4
Lumber and timber products.	1914	357	119	113	8,156	2,429	4,316	1,411	29.8	52.9	17.3	23,012,033	5,543,011	13,112,060	4,356,962	24.1	57.0	18.9
	1909	444	112	152	8,976	3,106	4,121	1,749	34.6	45.9	19.5	23,025,837	6,908,798	11,913,223	4,203,825	30.0	51.7	18.3
Marble and stone work.	1914	182	38	86	3,858	1,199	1,743	916	31.1	45.2	23.7	6,734,313	2,391,884	2,399,633	1,942,796	35.5	35.6	28.9
	1909	197	42	91	5,015	1,625	2,399	991	32.4	47.8	19.8	7,804,387	2,954,181	3,127,141	1,723,065	37.9	40.1	22.0

[1] Includes the group classed as "cooperative associations" in 1909. [2] Includes the group "individuals." [3] Includes the group "all others."

Table 18—Continued.

Industry and city.	Census year.	Number of establishments owned by— Individuals.	Corporations.	All others.	Average number of wage earners. Total.	In establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.	Value of products. Total.	Of establishments owned by— Individuals.	Corporations.	All others.	Per cent of total. Individuals.	Corporations.	All others.
Musical instruments, pianos and organs and materials.	1914	14	34	4	3,906	190	3,378	338	4.9	86.5	8.7	$8,213,341	$418,137	$6,872,022	$923,182	5.1	83.7	11.2
	1909	17	35	7	4,245	475	3,564	206	11.2	84.0	4.9	9,106,470	1,080,176	7,743,739	282,555	11.9	85.0	3.1
Paper and wood pulp..	1914	4	71	11	13,401	75	11,910	1,416	0.6	88.8	10.6	43,352,545	197,561	37,595,471	5,559,513	0.5	86.7	12.8
	1909	4	74	10	12,848	786	11,000	1,062	6.1	85.6	8.3	40,096,713	2,955,881	34,031,770	3,109,062	7.4	84.9	7.7
Paper goods, not elsewhere specified.	1914	8	46	6	5,829	80	5,707	42	1.4	97.9	0.7	15,579,059	119,642	15,325,315	134,102	0.8	98.4	0.9
	1909	10	45	6	5,135	79	4,973	83	1.5	96.8	1.6	13,532,976	110,326	13,163,465	259,185	0.8	97.3	1.9
Patent medicines and compounds and druggists' preparations.	1914	65	75	22	1,381	142	1,163	76	10.3	84.2	5.5	8,262,960	841,101	7,149,404	272,455	10.2	86.5	3.3
	1909	74	65	15	1,183	144	982	57	12.2	83.0	4.8	7,431,764	960,976	6,120,549	350,239	12.9	82.4	4.7
Printing and publishing.	1914	722	425	197	18,170	3,474	12,417	2,279	19.1	68.3	12.6	56,195,811	6,990,197	43,085,864	6,119,750	12.4	76.7	10.9
	1909	739	318	222	17,532	4,039	10,877	2,616	23.0	62.0	14.9	47,445,006	7,731,293	33,313,993	6,399,720	16.3	70.2	13.5
Slaughtering and meat packing.	1914	65	26	16	3,582	242	3,224	116	6.8	90.0	3.2	54,446,687	2,292,791	50,597,928	1,555,965	4.2	92.9	2.9
	1909	57	23	14	3,325	238	2,970	117	7.2	89.3	3.5	44,402,972	1,948,761	40,549,312	1,904,899	4.4	91.3	4.3
Tobacco manufactures..	1914	269	27	40	3,926	880	2,217	829	22.4	56.5	21.1	9,269,400	2,130,860	5,439,407	1,699,133	23.0	58.7	18.3
	1909	325	29	63	3,551	1,243	1,661	647	35.0	46.8	18.2	7,888,162	2,695,735	3,835,876	1,356,551	34.2	48.6	17.2
Woolen, worsted, and felt goods.	1914	17	129	25	54,255	1,506	48,749	4,000	2.8	89.9	7.4	130,348,514	2,867,826	117,937,868	9,542,820	2.2	90.5	7.3
	1909	[1] 26	130	27	53,873	[1] 2,262	46,801	4,810	4.2	86.9	8.9	141,966,882	[1] 5,822,008	124,259,729	11,885,145	4.1	87.5	8.4
Total for cities....	1914	4,818	3,342	1,765	508,647	36,334	428,185	44,128	7.1	84.2	8.7	1,395,520,001	98,451,991	1,159,242,466	137,825,544	7.1	83.1	9.9
Adams	1914	20	10	5	3,930	47	3,817	66	1.2	97.1	1.7	6,530,232	180,396	6,098,136	251,700	2.8	93.3	3.9
Amesbury	1914	26	20	13	1,451	173	1,044	234	11.9	72.0	16.1	3,551,434	419,759	2,457,156	674,519	11.8	69.2	19.0
Arlington	1914	10	6	3	246	29	179	38	11.8	72.8	15.4	641,092	91,465	448,648	100,979	14.3	70.0	15.7
Attleboro	1914	54	54	43	6,058	533	4,108	1,417	8.8	67.8	23.4	13,946,884	1,008,207	9,703,405	3,235,272	7.2	69.6	23.2
Beverly	1914	38	14	15	4,641	611	3,560	470	13.2	76.7	10.1	8,774,187	1,633,302	6,044,606	1,096,279	18.6	68.9	12.5
Boston	1914	1,537	1,073	528	78,894	10,275	59,222	9,397	13.0	75.1	11.9	284,802,479	27,547,022	222,159,459	35,095,998	9.7	78.0	12.3
Brockton	1914	89	92	62	16,246	780	13,510	1,956	4.8	83.2	12.0	51,259,131	2,556,153	41,620,693	7,082,285	5.0	81.2	13.8
Brookline	1914	9	5	7	335	54	230	51	16.1	68.7	15.2	658,502	104,942	439,939	113,621	16.0	66.8	17.2
Cambridge	1914	128	146	42	16,749	1,008	14,432	1,309	6.0	86.2	7.8	57,483,949	2,984,029	50,030,803	4,469,117	5.2	87.0	7.8
Chelsea	1914	61	41	21	6,241	264	5,148	829	4.2	82.5	13.3	16,971,028	870,536	13,932,184	2,168,308	5.1	82.1	12.8
Chicopee	1914	28	26	8	8,426	112	8,254	60	1.3	98.0	0.7	28,869,152	311,935	28,465,373	91,844	1.1	98.6	0.3
Clinton	1914	23	12	1	4,064	37	4,024	3	0.9	99.0	0.1	6,735,297	136,124	6,591,273	7,900	2.0	97.9	0.1
Dedham	1914	9	4	2	256	23	227	6	9.0	88.7	2.3	427,690	56,320	361,359	10,011	13.2	84.5	2.3
Everett	1914	31	42	12	3,226	154	2,616	456	4.7	81.2	14.1	13,219,200	495,473	11,423,355	1,300,372	3.8	86.4	9.8
Fall River	1914	181	92	42	36,834	651	35,753	430	1.8	97.0	1.2	64,663,146	2,083,470	61,687,780	891,896	3.2	95.4	1.4
Fitchburg	1914	65	53	19	8,837	853	7,442	542	9.7	84.2	6.1	23,983,352	1,763,213	19,242,753	2,977,386	7.4	80.2	12.4
Framingham	1914	14	27	8	3,982	36	3,809	137	0.9	95.7	3.4	8,726,574	115,397	8,171,675	439,502	1.3	93.7	5.0
Gardner	1914	31	26	7	3,964	356	3,376	232	9.0	85.2	5.8	7,449,987	737,089	6,327,244	385,654	9.9	84.9	5.2
Gloucester	1914	36	29	22	2,814	229	2,263	322	8.1	80.4	11.5	8,533,964	657,191	6,997,958	878,815	7.7	82.0	10.3
Greenfield	1914	21	23	6	1,602	131	1,424	47	8.2	88.9	2.9	3,527,101	226,590	2,963,334	337,177	6.4	84.0	9.6
Haverhill	1914	212	72	114	13,281	2,973	6,003	4,305	22.3	45.2	32.5	42,409,246	9,741,440	17,979,562	14,688,244	23.0	42.4	34.6
Holyoke	1914	104	88	30	17,493	470	16,558	465	2.7	94.6	2.7	44,041,155	1,057,481	41,413,664	1,570,010	2.4	94.0	3.6
Lawrence	1914	135	56	30	31,043	810	29,003	1,230	2.6	93.4	4.0	73,177,803	2,008,687	67,589,014	3,580,102	2.7	92.4	4.9
Leominster	1914	31	44	14	4,929	378	4,098	453	7.7	83.1	9.2	10,838,024	778,585	9,195,460	863,979	7.2	84.8	8.0
Lowell	1914	169	91	40	29,904	1,109	28,241	554	3.7	94.4	1.9	56,048,641	2,525,323	52,285,160	1,238,158	4.5	93.3	2.2
Lynn	1914	199	116	114	25,339	3,798	17,047	4,494	15.0	67.3	17.7	69,783,418	11,071,369	42,585,156	16,126,893	15.9	61.0	23.1
Malden	1914	46	32	14	2,850	238	2,452	160	8.4	86.0	5.6	8,366,344	656,931	7,358,072	351,341	7.9	87.9	4.2
Marlborough	1914	17	18	8	3,822	45	3,758	19	1.2	98.3	0.5	9,983,632	124,973	9,755,694	102,965	1.3	97.7	1.0
Medford	1914	33	17	4	559	78	403	78	14.0	72.0	14.0	2,618,893	229,010	2,246,980	142,903	8.7	85.8	5.5
Melrose	1914	11	11	4	962	36	767	159	3.8	79.7	16.5	2,499,029	72,227	1,919,386	507,416	2.9	76.8	20.3
Methuen	1914	14	8	3	1,940	27	1,904	9	1.4	98.1	0.5	4,461,111	77,932	4,345,889	37,290	1.8	97.4	0.8
Milford	1914	28	18	13	1,749	136	1,535	78	7.8	87.8	4.4	4,028,492	358,034	3,438,320	232,138	8.9	85.3	5.8
Natick	1914	18	10	10	1,347	229	290	828	17.1	21.5	61.4	4,56 ,253	1,164,967	985,654	2,415,632	25.5	21.6	52.9
New Bedford	1914	124	71	38	33,343	509	32,486	348	1.5	97.5	1.0	65,575,005	1,607,963	62,341,420	1,625,622	2.4	95.1	2.5
Newburyport	1914	25	19	10	3,349	544	2,276	529	16.2	68.0	15.8	8,245,9.8	1,213,138	5,846,296	1,186,564	14.7	70.9	14.4
Newton	1914	32	19	7	2,104	167	1,630	357	7.7	75.8	16.5	5,822,853	548,958	4,478,654	795,241	9.4	76.9	13.7
North Adams	1914	33	22	15	5,288	166	4,705	417	3.1	89.0	7.9	10,922,575	367,666	9,400,346	1,154,563	3.4	86.0	10.6
North Attleborough.	1914	25	27	22	2,250	269	1,261	720	12.0	56.0	32.0	4,867,725	505,771	2,945,066	1,416,888	10.4	60.5	29.1
Northampton	1914	40	24	11	3,446	164	2,731	551	4.8	79.2	16.0	8,580,730	466,529	6,282,244	1,831,957	5.4	73.2	21.4
Peabody	1914	35	32	10	5,485	684	4,647	154	12.5	84.7	2.8	18,441,906	1,319,131	16,616,104	506,671	7.2	90.1	2.7
Pittsfield	1914	42	29	13	7,490	125	6,704	661	1.7	89.5	8.8	22,241,237	452,361	20,309,994	1,478,882	2.0	91.3	6.7
Plymouth	1914	19	15	3	2,845	40	2,784	21	1.4	97.9	0.7	13,904,545	158,476	13,671,605	74,464	1.2	98.3	0.5
Quincy	1914	91	30	56	5,783	670	4,544	569	11.6	78.6	9.8	12,097,452	1,369,516	9,324,110	1,403,826	11.3	77.1	11.6
Revere	1914	22	3	2	80	30	50	.....	37.5	62.5	.....	349,696	144,242	202,615	2,839	41.3	57.9	0.8
Salem	1914	96	46	36	5,294	793	2,992	1,509	15.0	56.5	28.5	13,652,586	1,907,717	8,336,860	3,408,009	14.0	61.0	25.0
Somerville	1914	70	54	20	5,429	494	4,560	375	9.0	84.0	7.0	43,971,291	1,524,500	41,637,497	809,294	3.5	94.7	1.8
Southbridge	1914	19	11	5	4,332	51	4,209	72	1.2	97.2	1.6	7,366,430	136,689	7,049,211	180,530	1.9	95.7	2.4
Springfield	1914	189	137	69	14,240	1,229	11,243	1,768	8.6	79.0	12.4	44,428,854	3,518,093	36,522,986	4,387,775	7.9	82.2	9.9
Taunton	1914	45	56	14	7,371	477	6,717	177	6.5	91.1	2.4	15,885,812	1,106,856	14,358,483	420,473	7.0	90.4	2.6
Wakefield	1914	6	12	4	2,008	25	1,398	585	1.3	69.6	29.1	6,057,659	50,262	4,198,384	1,809,013	0.8	69.3	29.9
Waltham	1914	50	28	10	6,465	303	6,014	148	4.7	93.0	2.3	10,236,912	615,646	9,195,339	425,927	6.0	89.8	4.2
Watertown	1914	10	16	4	4,787	9	4,773	5	0.2	99.7	0.1	14,704,326	27,460	14,698,319	38,547	0.2	99.5	0.3
Webster	1914	9	12	2	3,246	39	3,031	176	1.2	93.4	5.4	9,233,919	83,307	8,845,967	304,645	0.9	95.8	3.3
Westfield	1914	51	27	22	3,584	249	3,013	322	6.9	84.1	9.0	8,420,439	1,359,590	6,303,744	757,105	16.1	74.9	9.0
West Springfield	1914	15	8	6	2,209	24	2,173	12	1.1	98.4	0.5	5,039,953	91,795	4,896,418	51,740	1.8	97.2	1.0
Weymouth	1914	23	11	6	2,074	90	1,579	405	4.3	76.1	19.6	8,251,041	171,264	6,924,194	1,155,583	2.1	83.9	14.0
Winchester	1914	9	10	.....	1,048	79	969	.....	7.5	92.5	.....	5,159,479	201,804	4,957,675	.....	3.9	96.1	.....
Winthrop	1914	9	1	.....	16	14	2	.....	87.5	12.5	.....	77,994	50,931	27,063	.....	65.3	34.7	.....
Woburn	1914	29	21	7	1,565	340	1,002	223	21.7	64.0	14.3	5,517,806	797,652	3,990,872	729,282	14.5	72.3	13.2
Worcester	1914	272	225	109	29,452	2,067	24,195	3,190	7.0	82.2	10.8	82,829,356	4,809,102	69,615,856	8,404,398	5.8	84.1	10.1

[1] Includes statistics for wool hats.

For all industries combined there was a considerable increase during the decade in the number of establishments under corporate ownership. The greatest proportion of the establishments is shown for those under individual ownership, but in value of products and number of wage earners those owned by corporations greatly predominate. For 1914, with but 33.2 per cent of the total number of establishments in the state, the corporations reported 82.2 per cent of the total value of products and 82.8 per cent of the average number of wage earners. In 1909 and 1904 the corresponding proportions are somewhat less. There were only three industries in 1914, among those mentioned in this table, where the establishments under other forms of ownership exceeded the corporations in value of products and average number of wage earners, namely, blacking and cleansing and polishing preparations, carriages and wagons and materials, and flour-mill and gristmill products. In the cities, taken as a group, slightly over one-third of the number of establishments were reported as under corporate ownership, while over four-fifths of the total number of wage earners and value of products were reported from this 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 19.

Table 19

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
All classes	12,013	11,684	10,723	606,698	584,559	488,399	$1,641,373,047	$1,490,529,386	$1,124,092,051	$709,989,254	$659,764,443	$497,681,620
Less than $5,000	2,885	2,760	2,633	3,158	3,508	3,834	7,434,572	7,162,781	6,898,333	4,860,002	4,767,415	4,517,346
$5,000 to $20,000	3,903	3,826	3,594	18,044	19,912	20,257	40,782,361	40,731,897	37,326,510	23,879,757	24,009,431	22,109,869
$20,000 to $100,000	2,926	2,932	2,673	56,378	61,041	60,075	134,938,198	136,992,841	120,969,162	70,427,005	73,120,246	63,758,232
$100,000 to $1,000,000	1,959	1,873	1,632	229,504	222,890	215,531	616,269,020	585,830,555	500,755,525	270,904,073	261,501,513	218,741,293
$1,000,000 and over	340	293	191	299,614	277,208	188,702	841,948,896	719,811,362	458,142,511	339,918,417	296,365,838	188,554,880
	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	24.0	23.6	24.6	0.5	0.6	0.8	0.5	0.5	0.6	0.7	0.7	0.9
$5,000 to $20,000	32.5	32.7	33.5	3.0	3.4	4.1	2.5	2.7	3.3	3.3	3.6	4.4
$20,000 to $100,000	24.4	25.1	24.9	9.3	10.4	12.3	8.2	9.2	10.8	10.0	11.1	12.8
$100,000 to $1,000,000	16.3	16.0	15.2	37.8	38.1	44.1	37.5	39.3	44.5	38.1	39.6	44.0
$1,000,000 and over	2.8	2.5	1.8	49.4	47.4	38.6	51.3	48.3	40.8	47.9	44.9	37.9

For 1914, 2,299 establishments, or 19.1 per cent of the total number in the state, each reported products exceeding $100,000 in value, as compared with 2,166, or 18.5 per cent of the total, for 1909 and 1,823, or 17 per cent, for 1904. For 1914 these establishments reported 87.2 per cent of the total number of wage earners for the state, 88.8 per cent of the total value of products, and 86 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—representing 24 per cent of the total number of establishments, reported only five-tenths of 1 per cent of the total average number of wage earners and value of products and seven-tenths of 1 per cent of the total value added by manufacture. For the establishments having products valued at $100,000 and over, the proportion of the total shows an increase at each successive census.

Table 20 gives, for 1914 and 1909, for 35 of the more important industries, a classification of establishments, wage earners, value of products, and value added by manufacture, similar to that presented in Table 19 for all industries combined.

Table 20

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.		1914	1909	Per cent distribution.	
			1914	1909			1914	1909			1914	1909			1914	1909
AUTOMOBILES, INCLUDING BODIES AND PARTS	66	62	100.0	100.0	3,439	4,138	100.0	100.0	$11,198,790	$11,359,224	100.0	100.0	$5,556,358	$5,867,746	100.0	100.0
Less than $5,000	9	6	13.6	9.7	16	3	0.5	0.1	26,740	11,850	0.2	0.1	18,006	7,720	0.3	0.1
$5,000 to $20,000	13	8	19.7	12.9	70	39	2.0	0.9	147,158	78,006	1.3	0.7	101,916	51,204	1.8	0.9
$20,000 to $100,000	29	27	44.0	43.5	626	533	18.2	12.9	1,500,855	1,364,483	13.4	12.0	936,821	802,975	16.9	13.7
$100,000 and over [1]	15	21	22.7	33.9	2,727	3,563	79.3	86.1	9,524,037	9,904,885	85.1	87.2	4,499,615	5,005,847	81.0	85.3
BLACKING AND CLEANSING AND POLISHING PREPARATIONS	93	80	100.0	100.0	572	527	100.0	100.0	3,841,477	3,713,071	100.0	100.0	1,758,207	1,833,630	100.0	100.0
Less than $5,000	31	23	33.3	28.8	16	23	2.8	4.4	65,797	68,576	1.7	1.8	36,545	42,768	2.1	2.3
$5,000 to $20,000	21	20	22.6	25.0	36	32	6.3	6.1	223,711	191,724	5.8	5.2	117,537	115,757	6.7	6.3
$20,000 to $100,000	37	31	39.8	38.8	250	185	43.7	35.1	1,980,488	1,521,355	51.6	41.0	965,675	772,163	54.9	42.1
$100,000 and over [1]	4	6	4.3	7.5	270	287	47.2	54.5	1,571,481	1,931,416	40.9	52.0	638,450	902,942	36.3	49.2

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

Table 20—Continued.

Industry and value of product.	Number of establishments.				Average number of wage earners.				Value of products.				Value added by manufacture.			
	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909
Boots and shoes, including cut stock and findings	884	860	100.0	100.0	85,114	83,063	100.0	100.0	$255,188,013	$236,342,915	100.0	100.0	$90,946,177	$83,352,963	100.0	100.0
Less than $5,000	104	74	11.8	8.6	195	115	0.2	0.1	280,419	215,018	0.1	0.1	176,034	121,427	0.2	0.1
$5,000 to $20,000	172	195	19.5	22.7	1,084	1,507	1.3	1.8	1,846,575	2,196,375	0.7	0.9	933,620	1,232,688	1.0	1.5
$20,000 to $100,000	237	248	26.8	28.8	4,747	5,243	5.6	6.3	11,860,374	12,154,998	4.7	5.1	4,259,761	5,128,734	4.7	6.2
$100,000 to $1,000,000	301	279	34.0	32.4	34,696	36,269	40.8	43.7	110,592,078	104,620,992	43.3	44.3	37,867,340	36,792,782	41.6	44.1
$1,000,000 and over	70	64	7.9	7.4	44,392	39,929	52.1	48.1	130,608,567	117,155,532	51.2	49.6	47,709,422	40,077,332	52.5	48.1
Boxes, fancy and paper	97	99	100.0	100.0	4,244	3,838	100.0	100.0	7,084,975	5,757,611	100.0	100.0	3,413,102	3,038,164	100.0	100.0
Less than $5,000	5	3	5.2	3.0	16	9	0.4	0.2	14,772	4,800	0.2	0.1	10,447	3,227	0.3	0.1
$5,000 to $20,000	23	26	23.7	26.3	284	342	6.7	8.9	296,943	328,810	4.2	5.7	179,519	205,189	5.3	6.8
$20,000 to $100,000	49	55	50.5	55.6	1,621	1,874	38.2	48.8	2,339,454	2,697,895	33.0	46.9	1,220,631	1,465,204	35.8	48.2
$100,000 to $1,000,000	[1] 20	15	20.6	15.2	2,323	1,613	54.7	42.0	4,433,806	2,726,106	62.6	47.3	2,002,505	1,364,544	58.7	44.9
Brass, bronze, and copper products	73	85	100.0	100.0	1,620	1,791	100.0	100.0	5,958,863	6,042,216	100.0	100.0	2,244,067	2,379,206	100.0	100.0
Less than $5,000	13	18	17.8	21.2	15	15	0.9	0.8	37,484	46,416	0.6	0.8	24,357	28,178	1.1	1.2
$5,000 to $20,000	33	28	45.2	32.9	154	152	9.5	8.5	400,940	343,949	6.7	5.7	205,109	178,354	9.1	7.5
$20,000 to $100,000	20	33	27.4	38.8	280	569	17.3	31.8	828,428	1,430,282	13.9	23.7	374,902	732,093	16.7	30.8
$100,000 and over [1]	7	6	9.6	7.1	1,171	1,055	72.3	58.9	4,692,011	4,221,569	78.7	69.9	1,639,699	1,440,581	73.1	60.5
Bread and other bakery products	1,419	1,201	100.0	100.0	8,083	6,697	100.0	100.0	33,309,051	26,146,044	100.0	100.0	15,037,903	10,418,611	100.0	100.0
Less than $5,000	328	219	23.1	18.2	202	158	2.5	2.4	1,036,868	706,602	3.1	2.7	466,768	304,774	3.0	2.9
$5,000 to $20,000	868	764	61.2	63.6	2,173	1,932	26.9	28.8	8,710,072	7,848,841	26.2	30.0	3,698,822	3,204,356	24.6	30.8
$20,000 to $100,000	189	187	13.3	15.6	1,887	1,688	23.3	25.2	7,242,027	6,661,851	21.7	25.5	2,894,831	2,604,415	19.3	25.0
$100,000 and over [1]	34	31	2.4	2.6	3,821	2,919	47.3	43.6	16,320,084	10,928,750	49.0	41.8	7,977,482	4,305,066	53.1	41.3
Canning and preserving	65	71	100.0	100.0	1,903	1,449	100.0	100.0	8,169,014	6,840,306	100.0	100.0	2,563,273	2,257,409	100.0	100.0
Less than $5,000	9	16	13.8	22.5	11	17	0.6	1.2	20,856	39,252	0.3	0.6	8,625	18,975	0.3	0.8
$5,000 to $20,000	21	21	32.3	29.6	75	80	3.9	5.5	211,167	233,243	2.6	3.4	102,188	100,019	4.0	4.4
$20,000 to $100,000	18	19	27.7	26.8	222	234	11.7	16.1	1,048,072	895,316	12.8	13.1	393,876	264,806	15.4	11.7
$100,000 and over [1]	17	15	26.2	21.1	1,595	1,118	83.8	77.2	6,888,919	5,672,495	84.3	82.9	2,058,584	1,873,609	80.3	83.0
Carriages and wagons and materials	175	177	100.0	100.0	1,348	1,539	100.0	100.0	2,821,874	3,184,835	100.0	100.0	1,682,217	1,903,054	100.0	100.0
Less than $5,000	61	44	34.9	24.9	67	57	5.0	3.7	169,219	133,807	6.0	4.2	117,895	93,031	7.0	4.9
$5,000 to $20,000	73	90	41.7	50.8	363	514	26.9	33.4	733,862	955,356	26.0	30.0	485,087	634,935	28.8	33.4
$20,000 to $100,000	38	40	21.7	22.6	732	778	54.3	50.6	1,481,650	1,652,075	52.5	51.9	858,233	925,537	51.0	48.6
$100,000 to $1,000,000	3	3	1.7	1.7	186	190	13.8	12.3	437,143	443,597	15.5	13.9	221,002	249,551	13.1	13.1
Chemicals	24	24	100.0	100.0	1,395	1,358	100.0	100.0	6,684,918	5,916,451	100.0	100.0	3,330,297	2,868,199	100.0	100.0
Less than $5,000	4	5	16.7	20.8	5	6	0.4	0.4	10,027	14,559	0.1	0.2	8,595	5,181	0.3	0.2
$5,000 to $20,000	7	5	29.2	20.8	20	13	1.4	1.0	107,006	48,917	1.6	0.8	31,382	22,505	0.9	0.8
$20,000 to $100,000	6	7	25.0	29.2	47	88	3.4	6.5	395,347	338,935	5.9	5.7	235,406	97,883	7.1	3.4
$100,000 to $1,000,000	3	4	12.5	16.7	179	196	12.8	14.4	948,683	1,547,703	14.2	26.2	364,077	579,138	10.9	20.2
$1,000,000 and over	4	3	16.7	12.5	1,144	1,055	82.0	77.7	5,223,855	3,966,337	78.1	67.0	2,690,837	2,163,492	80.8	75.4
Clothing, men's, including shirts	227	254	100.0	100.0	7,645	7,335	100.0	100.0	19,613,767	18,313,783	100.0	100.0	9,198,642	8,558,132	100.0	100.0
Less than $5,000	38	61	16.7	24.0	140	263	1.8	3.6	114,123	195,111	0.6	1.1	99,035	168,135	1.1	2.0
$5,000 to $20,000	82	91	36.1	35.8	1,007	1,334	13.2	18.2	949,839	1,001,078	4.8	5.5	746,531	828,782	8.1	9.7
$20,000 to $100,000	66	66	29.1	26.0	1,617	1,890	21.1	25.8	2,986,514	2,787,365	15.2	15.2	1,563,085	1,525,876	17.0	17.8
$100,000 to $1,000,000	37	[1] 36	16.3	14.2	3,023	3,848	39.6	52.5	10,301,629	14,330,229	52.5	78.2	4,361,454	6,035,339	47.4	70.5
$1,000,000 and over	4	.....	1.8	.....	1,858	.....	24.3	.....	5,261,662	.....	26.9	.....	2,428,537	.....	26.4	.....
Clothing, women's	202	174	100.0	100.0	6,076	5,813	100.0	100.0	13,982,587	11,727,980	100.0	100.0	6,318,362	5,216,648	100.0	100.0
Less than $5,000	9	10	4.5	5.7	26	28	0.4	0.5	23,994	33,269	0.2	0.3	15,524	22,648	0.2	0.4
$5,000 to $20,000	41	35	20.3	20.1	304	322	5.0	5.5	483,089	422,396	3.5	3.6	242,935	242,334	3.9	4.6
$20,000 to $100,000	114	95	56.4	54.6	2,520	2,499	41.5	43.0	5,746,252	5,041,751	41.1	43.0	2,564,206	2,222,559	40.6	42.6
$100,000 to $1,000,000	38	34	18.8	19.5	3,226	2,964	53.1	51.0	7,729,252	6,230,564	55.3	53.1	3,495,697	2,729,107	55.3	52.3
Confectionery	148	117	100.0	100.0	6,787	5,548	100.0	100.0	20,130,823	15,266,453	100.0	100.0	7,843,553	6,077,935	100.0	100.0
Less than $5,000	30	17	20.3	14.5	29	14	0.4	0.3	85,090	55,379	0.4	0.4	38,575	31,817	0.5	0.5
$5,000 to $20,000	50	38	33.8	32.5	191	161	2.8	2.9	524,196	429,881	2.6	2.8	245,552	212,487	3.1	3.5
$20,000 to $100,000	36	34	24.3	29.1	513	515	7.6	9.3	1,509,840	1,392,826	7.5	9.1	663,329	583,621	8.5	9.6
$100,000 to $1,000,000	27	25	18.2	21.4	3,126	3,120	46.1	56.2	8,175,505	7,713,840	40.6	50.5	3,043,462	3,038,636	38.8	50.0
$1,000,000 and over	5	3	3.4	2.6	2,928	1,738	43.1	31.3	9,836,192	5,674,527	48.9	37.2	3,852,635	2,211,374	49.1	36.4
Cordage and twine and jute and linen goods	20	29	100.0	100.0	7,614	6,319	100.0	100.0	23,280,246	15,979,115	100.0	100.0	5,931,971	5,298,564	100.0	100.0
Less than $5,000	.....	4	.....	13.8	.....	6	.....	0.1	.....	11,530	.....	0.1	.....	5,542	.....	0.1
$5,000 to $20,000	[2] 6	3	30.0	10.3	62	9	0.8	0.1	100,333	31,384	0.4	0.2	37,281	6,746	0.6	0.1
$20,000 to $100,000	.....	9	.....	31.0	.....	188	.....	3.0	.....	456,685	.....	2.8	.....	163,109	.....	3.1
$100,000 to $1,000,000	10	10	50.0	34.5	1,891	2,074	24.8	32.8	3,856,340	4,256,703	16.6	26.6	1,247,312	1,642,161	21.0	31.0
$1,000,000 and over	4	3	20.0	10.3	5,661	4,042	74.3	64.0	19,323,573	11,222,813	83.0	70.2	4,647,378	3,481,006	78.3	65.7
Cotton goods, including cotton small wares	189	182	100.0	100.0	113,559	108,914	100.0	100.0	197,322,111	186,462,313	100.0	100.0	77,487,777	81,305,519	100.0	100.0
Less than $20,000 [3]	4	12	2.1	6.6	13	93	(4)	0.1	31,865	132,651	0.1	0.1	8,910	63,663	(4)	0.1
$20,000 to $100,000	26	23	13.8	12.6	1,110	755	1.0	0.7	1,889,007	1,252,642	1.0	0.7	802,360	520,586	1.0	0.6
$100,000 to $1,000,000	86	79	45.5	43.4	24,603	22,367	21.6	20.5	40,678,653	37,098,054	20.6	19.9	15,165,555	15,368,391	19.6	18.9
$1,000,000 and over	73	68	38.6	37.4	87,833	85,699	77.4	78.7	154,722,586	147,978,966	78.4	79.4	61,510,952	65,352,879	79.4	80.4

[1] Includes the group "$1,000,000 and over."
[2] Includes the group "less than $5,000," and the group "$20,000 to $100,000."
[3] Includes the group "less than $5,000."
[4] Less than one-tenth of 1 per cent.

Table 20—Continued.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909
CUTLERY AND TOOLS, NOT ELSEWHERE SPECIFIED	137	135	100.0	100.0	6,485	6,747	100.0	100.0	$12,974,022	$11,610,749	100.0	100.0	$9,580,500	$8,126,350	100.0	100.0
Less than $5,000	45	34	32.8	25.2	69	42	1.1	0.6	125,059	93,364	1.0	0.8	93,940	67,945	1.0	0.8
$5,000 to $20,000	38	43	27.7	31.9	263	292	4.1	4.3	443,636	435,806	3.4	3.8	316,723	323,636	3.3	4.0
$20,000 to $100,000	31	35	22.6	25.9	890	1,141	13.7	16.9	1,399,643	1,737,694	10.8	15.0	969,145	1,233,439	10.1	15.2
$100,000 and over [1]	23	23	16.8	17.0	5,263	5,272	81.1	78.1	11,005,684	9,343,885	84.8	80.5	8,200,692	6,501,330	85.6	80.0
ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES	91	83	100.0	100.0	17,125	14,507	100.0	100.0	43,869,294	28,142,889	100.0	100.0	26,172,387	15,408,069	100.0	100.0
Less than $5,000	9	5	9.9	6.0	9	13	0.1	0.1	25,799	8,921	0.1	(2)	15,179	2,704	0.1	(2)
$5,000 to $20,000	20	19	22.0	22.9	102	97	0.6	0.7	211,311	236,813	0.5	0.8	115,840	141,428	0.4	0.9
$20,000 to $100,000	30	31	33.0	37.3	696	917	4.1	6.3	1,564,018	1,692,854	3.6	6.0	928,058	999,015	3.6	6.5
$100,000 to $1,000,000	27	25	29.7	30.1	3,393	3,292	19.8	22.7	7,873,186	6,896,291	18.0	24.5	4,945,413	4,290,921	18.9	27.8
$1,000,000 and over	5	3	5.5	3.6	12,925	10,188	75.5	70.2	34,194,980	19,308,010	77.9	68.6	20,167,897	9,974,001	77.0	64.7
FANCY ARTICLES, NOT ELSEWHERE SPECIFIED	67	78	100.0	100.0	2,777	3,558	100.0	100.0	5,341,576	6,618,241	100.0	100.0	2,484,445	3,104,132	100.0	100.0
Less than $5,000	10	9	14.9	11.5	18	12	0.6	0.3	26,922	18,443	0.5	0.3	18,547	11,342	0.7	0.4
$5,000 to $20,000	15	12	22.4	15.4	96	86	3.5	2.4	147,893	145,516	2.8	2.2	90,370	98,887	3.6	3.2
$20,000 to $100,000	26	31	38.8	39.7	869	828	31.3	23.3	1,531,916	1,315,725	28.7	19.9	715,695	702,330	28.8	22.6
$100,000 to $1,000,000	16	26	23.9	33.3	1,794	2,632	64.6	74.0	3,634,845	5,138,557	68.0	77.6	1,659,833	2,291,573	66.8	73.8
FLOUR-MILL AND GRISTMILL PRODUCTS	105	120	100.0	100.0	176	229	100.0	100.0	3,811,377	4,632,145	100.0	100.0	387,490	501,370	100.0	100.0
Less than $5,000	11	8	10.5	6.7	5	3	2.8	1.3	30,573	25,218	0.8	0.5	6,136	6,067	1.6	1.2
$5,000 to $20,000	59	68	56.2	56.7	69	83	39.2	36.2	631,964	823,987	16.6	17.8	108,724	132,871	28.1	26.5
$20,000 to $100,000	25	35	23.8	29.2	37	72	21.0	31.4	896,742	1,469,984	23.5	31.7	119,374	200,305	30.8	40.0
$100,000 to $1,000,000	10	9	9.5	7.5	65	71	36.9	31.0	2,252,098	2,312,956	59.1	49.9	153,256	162,127	39.5	32.3
FOUNDRY AND MACHINE-SHOP PRODUCTS	932	857	100.0	100.0	41,361	44,179	100.0	100.0	85,638,612	86,925,671	100.0	100.0	54,648,989	55,743,781	100.0	100.0
Less than $5,000	174	152	18.7	17.7	241	216	0.6	0.5	483,610	406,446	0.6	0.5	364,816	274,148	0.7	0.5
$5,000 to $20,000	306	255	32.8	29.8	1,650	1,501	4.0	3.4	3,273,209	2,799,023	3.8	3.2	2,246,343	1,918,817	4.1	3.4
$20,000 to $100,000	287	287	30.8	33.5	6,697	7,297	16.2	16.5	13,531,139	14,149,812	15.8	16.3	8,349,004	8,567,392	15.3	15.4
$100,000 to $1,000,000	156	149	16.7	17.4	20,067	16,764	48.5	37.9	44,415,993	36,784,419	51.9	42.3	26,332,338	22,156,361	48.2	39.7
$1,000,000 and over	9	14	1.0	1.6	12,706	18,401	30.7	41.6	23,934,661	32,785,971	27.9	37.7	17,356,488	22,827,063	31.8	40.9
FURNITURE AND REFRIGERATORS	145	155	100.0	100.0	6,954	7,277	100.0	100.0	14,281,057	13,867,548	100.0	100.0	8,423,213	8,059,640	100.0	100.0
Less than $5,000	16	22	11.0	14.2	28	37	0.4	0.5	46,103	64,989	0.3	0.5	30,866	43,961	0.4	0.5
$5,000 to $20,000	37	37	25.5	23.9	192	199	2.8	2.7	385,932	418,432	2.7	3.0	242,333	257,603	2.9	3.2
$20,000 to $100,000	60	66	41.4	42.6	1,333	1,632	19.2	22.4	2,848,366	3,056,414	19.9	22.0	1,679,365	1,719,582	19.9	21.3
$100,000 and over [1]	32	30	22.1	19.4	5,401	5,409	77.7	74.3	11,000,656	10,327,713	77.0	74.5	6,470,649	6,038,494	76.8	74.9
GAS, ILLUMINATING AND HEATING	61	64	100.0	100.0	3,182	2,292	100.0	100.0	15,751,637	11,074,354	100.0	100.0	9,800,244	7,264,220	100.0	100.0
Less than $5,000	5	12	8.2	18.8	7	11	0.2	0.5	11,959	31,840	0.1	0.3	6,594	18,979	0.1	0.3
$5,000 to $20,000	7	9	11.5	14.1	17	44	0.5	1.9	67,410	122,218	0.4	1.1	42,354	76,001	0.4	1.0
$20,000 to $100,000	28	23	45.9	35.9	398	282	12.5	12.3	1,568,691	1,098,961	10.0	9.9	923,050	710,786	9.4	9.8
$100,000 and over [1]	21	20	34.4	31.3	2,760	1,955	86.7	85.3	14,103,577	9,821,335	89.5	88.7	8,828,246	6,458,454	90.1	88.9
HOSIERY AND KNIT GOODS	77	65	100.0	100.0	10,635	9,941	100.0	100.0	17,419,077	14,736,025	100.0	100.0	8,152,406	7,764,419	100.0	100.0
Less than $5,000	14	12	18.2	18.5	7	11	0.1	0.1	21,691	23,506	0.1	0.2	13,178	13,069	0.2	0.2
$5,000 to $20,000	9	6	11.7	9.2	52	64	0.5	0.6	113,737	72,399	0.7	0.5	53,799	35,335	0.7	0.5
$20,000 to $100,000	24	24	31.2	36.9	586	672	5.5	6.8	1,403,346	1,391,835	8.1	9.4	695,929	619,378	8.5	8.0
$100,000 to $1,000,000	27	20	35.1	30.8	4,253	3,310	40.0	33.3	8,585,183	6,029,313	49.3	40.9	3,949,701	3,140,696	48.4	40.4
$1,000,000 and over	3	3	3.9	4.6	5,737	5,884	53.9	59.2	7,295,120	7,218,972	41.9	49.0	3,439,799	3,955,941	42.2	50.9
JEWELRY	202	175	100.0	100.0	6,505	7,423	100.0	100.0	14,175,857	15,210,738	100.0	100.0	7,465,725	9,631,413	100.0	100.0
Less than $5,000	32	20	15.8	11.4	36	26	0.6	0.4	92,713	53,312	0.7	0.4	67,386	36,180	0.9	0.4
$5,000 to $20,000	46	35	22.8	20.0	278	219	4.3	3.0	504,524	389,166	3.6	2.6	354,001	263,465	4.7	2.7
$20,000 to $100,000	81	63	40.1	36.0	2,201	1,806	33.8	24.3	4,098,979	3,542,137	28.9	23.3	2,562,721	2,264,666	34.3	23.5
$100,000 to $1,000,000	43	57	21.3	32.6	3,990	5,372	61.3	72.4	9,479,641	11,226,123	66.9	73.8	4,481,617	7,067,102	60.0	73.4
LEATHER GOODS	119	119	100.0	100.0	1,430	1,710	100.0	100.0	4,022,635	4,373,266	100.0	100.0	1,803,920	1,986,597	100.0	100.0
Less than $5,000	33	24	27.7	20.2	38	42	2.7	2.5	96,751	68,381	2.4	1.6	57,357	45,805	3.2	2.3
$5,000 to $20,000	43	51	36.1	42.9	178	255	12.4	14.9	459,293	583,155	11.4	13.3	239,363	249,264	13.3	12.5
$20,000 to $100,000	32	35	26.9	29.4	483	601	33.8	35.1	1,211,435	1,549,330	30.1	35.4	542,509	719,802	30.1	36.2
$100,000 to $1,000,000	11	9	9.2	7.6	731	812	51.1	47.5	2,255,156	2,172,400	56.1	49.7	964,691	971,726	53.5	48.9
LEATHER, TANNED, CURRIED, AND FINISHED	126	132	100.0	100.0	10,164	10,252	100.0	100.0	45,265,434	40,002,079	100.0	100.0	12,071,373	11,236,571	100.0	100.0
Less than $5,000	5	9	4.0	6.8	14	20	0.1	0.2	14,425	22,640	(2)	0.1	9,613	14,116	0.1	0.1
$5,000 to $20,000	18	19	14.3	14.4	149	164	1.5	1.6	183,186	216,426	0.4	0.5	122,544	140,389	1.0	1.2
$20,000 to $100,000	45	45	35.7	34.1	1,060	1,251	10.4	12.2	2,090,157	2,135,768	4.6	5.3	1,033,746	1,198,880	8.6	10.7
$100,000 to $1,000,000	45	52	35.7	39.4	3,094	4,226	30.4	41.2	12,749,534	19,349,210	28.2	48.4	4,020,021	5,109,076	33.3	45.5
$1,000,000 and over	13	7	10.3	5.3	5,847	4,591	57.5	44.8	30,228,132	18,278,035	66.8	45.7	6,885,449	4,774,110	57.0	42.5
LUMBER AND TIMBER PRODUCTS	589	708	100.0	100.0	8,156	8,976	100.0	100.0	23,012,033	23,025,837	100.0	100.0	9,835,388	10,541,712	100.0	100.0
Less than $5,000	189	231	32.1	32.6	295	384	3.6	4.3	471,018	576,547	2.0	2.5	306,157	385,843	3.1	3.7
$5,000 to $20,000	189	243	32.1	34.3	1,006	1,467	12.3	16.3	1,951,890	2,585,747	8.5	11.2	1,157,742	1,577,574	11.8	15.0
$20,000 to $100,000	155	176	26.3	24.9	2,656	3,328	32.6	37.1	7,031,463	8,285,588	30.6	36.0	3,204,949	3,856,527	32.6	36.6
$100,000 to $1,000,000	56	58	9.5	8.2	4,199	3,797	51.5	42.3	13,557,662	11,577,955	58.9	50.3	5,166,540	4,721,768	52.5	44.8
MARBLE AND STONE WORK	306	330	100.0	100.0	3,858	5,015	100.0	100.0	6,734,313	7,804,387	100.0	100.0	4,849,210	5,611,995	100.0	100.0
Less than $5,000	78	77	25.5	23.3	82	102	2.1	2.0	227,951	226,073	3.4	2.9	176,865	166,582	3.6	3.0
$5,000 to $20,000	134	149	43.8	45.2	685	948	17.8	18.9	1,315,515	1,599,535	19.5	20.5	940,825	1,170,136	19.4	20.9
$20,000 to $100,000	83	93	27.1	28.2	1,709	2,405	44.3	48.0	3,254,102	3,981,670	48.3	51.0	2,253,627	2,657,144	46.5	47.3
$100,000 to $1,000,000	11	11	3.6	3.3	1,382	1,560	35.8	31.1	1,936,745	1,997,109	28.8	25.6	1,477,893	1,618,133	30.5	28.8

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

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

Table 20—Continued.

Industry and value of product.	Number of establishments.				Average number of wage earners.				Value of products.				Value added by manufacture.			
	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909	1914	1909	Per cent distribution. 1914	Per cent distribution. 1909
Musical instruments, pianos and organs and materials	52	59	100.0	100.0	3,906	4,245	100.0	100.0	$8,213,341	$9,106,470	100.0	100.0	$4,511,208	$4,957,214	100.0	100.0
Less than $5,000	3	8	5.8	13.6	1	5	(1)	0.1	4,580	20,816	0.1	0.2	2,919	13,346	0.1	0.3
$5,000 to $20,000	8	12	15.4	20.3	35	58	0.9	1.4	72,666	123,919	0.9	1.4	42,392	74,149	0.9	1.5
$20,000 to $100,000	16	12	30.8	20.3	421	350	10.8	8.2	754,084	622,925	9.2	6.8	447,194	393,812	9.9	7.9
$100,000 to $1,000,000	25	27	48.1	45.8	3,449	3,832	88.3	90.3	7,382,011	8,338,810	89.9	91.6	4,018,703	4,475,907	89.1	90.3
Paper and wood pulp	86	88	100.0	100.0	13,401	12,848	100.0	100.0	43,352,545	40,096,713	100.0	100.0	16,741,797	17,747,100	100.0	100.0
$5,000 to $20,000	[2] 5	5	5.8	5.7	26	36	0.2	0.3	51,543	65,864	0.1	0.2	19,908	25,588	0.1	0.1
$20,000 to $100,000	14	14	16.3	15.9	315	271	2.4	2.1	817,600	649,922	1.9	1.6	345,060	292,577	2.1	1.6
$100,000 to $1,000,000	60	65	69.8	73.9	9,854	10,469	73.5	81.5	28,493,408	30,063,696	65.7	75.0	11,267,025	13,102,767	67.3	73.8
$1,000,000 and over	7	4	8.1	4.5	3,206	2,072	23.9	16.1	13,989,994	9,317,231	32.3	23.2	5,109,804	4,326,168	30.5	24.4
Paper goods, not elsewhere specified	60	61	100.0	100.0	5,829	5,135	100.0	100.0	15,579,059	13,532,976	100.0	100.0	6,891,854	6,097,069	100.0	100.0
Less than $5,000	4	8	6.7	13.1	3	15	0.1	0.3	6,931	23,749	(1)	0.2	5,038	13,544	0.1	0.2
$5,000 to $20,000	16	14	26.7	23.0	118	104	2.0	2.0	199,810	173,585	1.3	1.3	93,350	100,024	1.4	1.6
$20,000 to $100,000	13	16	21.7	26.2	247	272	4.2	5.3	571,614	687,938	3.7	5.1	255,140	335,309	3.7	5.5
$100,000 and over [3]	27	23	45.0	37.7	5,461	4,744	93.7	92.4	14,800,704	12,647,704	95.0	93.5	6,538,326	5,648,192	94.9	92.6
Patent medicines and compounds and druggists' preparations	162	154	100.0	100.0	1,381	1,183	100.0	100.0	8,262 960	7,431,764	100.0	100.0	4,939,822	4,704,872	100.0	100.0
Less than $5,000	78	75	48.1	48.7	23	37	1.7	3.1	143,391	146,785	1.7	2.0	94,771	102,755	1.9	2.2
$5,000 to $20,000	33	32	20.4	20.8	70	62	5.1	5.2	313,006	311,249	3.8	4.2	189,665	200,322	3.8	4.3
$20,000 to $100,000	29	27	17.9	17.5	246	203	17.8	17.2	1,392,568	1,218,798	16.9	16.4	858,016	709,529	17.4	15.1
$100,000 to $1,000,000	[3] 22	20	13.6	13.0	1,042	881	75.5	74.5	6,413,995	5,754,932	77.6	77.4	3,797,370	3,692,266	76.9	78.5
Printing and publishing	1,344	1,279	100.0	100.0	18,170	17,532	100.0	100.0	56,195,811	47,445,006	100.0	100.0	39,378,580	34,564,455	100.0	100.0
Less than $5,000	501	491	37.3	38.4	487	594	2.7	3.4	1,214,955	1,223,106	2.2	2.6	955,133	965,746	2.4	2.8
$5,000 to $20,000	494	470	36.8	36.7	2,340	2,480	12.9	14.1	4,942,879	4,707,863	8.8	9.9	3,881,831	3,675,434	9.9	10.6
$20,000 to $100,000	258	230	19.2	18.0	4,340	4,426	23.9	25.2	10,950,780	9,863,248	19.5	20.8	8,040,174	7,383,352	20.4	21.4
$100,000 to $1,000,000	81	79	6.0	6.2	7,637	6,624	42.0	37.8	20,554,131	18,479,010	36.6	38.9	14,715,758	13,724,154	37.4	39.7
$1,000,000 and over	10	9	0.7	0.7	3,366	3,408	18.5	19.4	18,533,066	13,171,779	33.0	27.8	11,785,684	8,810,769	29.9	25.5
Slaughtering and meat packing	107	94	100.0	100.0	3,582	3,325	100.0	100.0	54,446,687	44,402,972	100.0	100.0	6,970,870	5,516,833	100.0	100.0
Less than $5,000	11	5	10.3	5.3	3	4	0.1	0.1	26,833	19,385	(1)	(1)	12,084	5,489	0.2	0.1
$5,000 to $20,000	29	25	27.1	26.6	51	53	1.4	1.6	361,931	291,957	0.7	0.7	112,855	87,579	1.6	1.6
$20,000 to $100,000	36	41	33.6	43.6	206	274	5.8	8.2	1,606,815	1,959,346	3.0	4.4	427,137	520,756	6.1	9.4
$100,000 to $1,000,000	22	18	20.6	19.1	325	303	9.1	9.1	5,609,549	6,027,941	10.3	13.6	715,340	676,174	10.3	12.3
$1,000,000 and over	9	5	8.4	5.3	2,997	2,691	83.7	80.9	46,841,559	36,104,343	86.0	81.3	5,703,454	4,226,835	81.8	76.6
Tobacco manufactures	336	417	100.0	100.0	3,926	3,551	100.0	100.0	9,269,400	7,888,162	100.0	100.0	5,458,592	4,967,007	100.0	100.0
Less than $5,000	207	260	61.6	62.4	147	238	3.7	6.7	446,380	569,761	4.8	7.2	275,432	355,533	5.0	7.2
$5,000 to $20,000	89	114	26.5	27.3	398	524	10.1	14.8	860,152	1,044,698	9.3	13.2	511,698	647,297	9.4	13.0
$20,000 to $100,000	26	30	7.7	7.2	482	568	12.3	16.0	1,050,640	1,185,899	11.3	15.0	613,390	759,679	11.2	15.3
$100,000 to $1,000,000	[3] 14	13	4.2	3.1	2,899	2,221	73.8	62.5	6,912,228	5,087,804	74.6	64.5	4,058,072	3,204,498	74.3	64.5
Woolen, worsted, and felt goods	171	183	100.0	100.0	54,255	53,873	100.0	100.0	130,348,514	141,966,882	100.0	100.0	47,271,091	53,990,551	100.0	100.0
Less than $5,000	.....	4	.....	2.2	.....	8	.....	(1)	.....	13,475	.....	(1)	.....	9,578	.....	(1)
$5,000 to $20,000	[2] 6	6	3.5	3.3	61	83	0.1	0.2	63,743	68,288	(1)	(1)	46,627	53,195	0.1	0.1
$20,000 to $100,000	27	33	15.8	18.0	1,046	1,340	1.9	2.5	1,802,660	2,035,947	1.4	1.4	794,889	895,843	1.7	1.7
$100,000 to $1,000,000	116	116	67.8	63.4	19,183	18,034	35.4	33.5	44,422,882	43,146,440	34.1	30.4	16,207,061	14,992,501	34.3	27.8
$1,000,000 and over	22	24	12.9	13.1	33,965	34,408	62.6	63.9	84,059,229	96,702,732	64.4	68.1	30,222,514	38,039,434	63.9	70.5

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

Among the industries presented in this table for 1914, as compared with 1909, 21 show increases in number of establishments having products valued at $100,000 and over, 10 decreases, and 4 remained unchanged. All but 10 industries in this group show increases in value of products, while 23 show increases in number of wage earners and 22 in value added by manufacture. Although the smaller establishments predominate, the volume of manufactures is in each case reported by the large establishments.

Table 21 presents, for 1914, for all industries combined in each of the 60 cities having more than 10,000 inhabitants, statistics similar to those given in Table 19 for the state as a whole.

In the cities the same 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, 98 per cent, 97.2 per cent, and 96.6 per cent, are reported for Watertown, Webster, and West Springfield, respectively, and the lowest, 59.4 per cent, for North Attleborough.

Table 21

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.
ADAMS	35	3,930	100.0	$6,530,232	100.0	$2,733,013	100.0
Less than $5,000	10	12	0.3	21,581	0.3	15,346	0.6
$5,000 to $20,000	13	32	0.8	141,717	2.2	59,225	2.2
$20,000 to $100,000	4	57	1.5	161,049	2.5	61,596	2.2
$100,000 and over [1]	8	3,829	97.4	6,205,885	95.0	2,596,846	95.0
AMESBURY	59	1,451	100.0	3,551,434	100.0	1,746,557	100.0
Less than $5,000	18	16	1.1	36,574	1.0	23,999	1.4
$5,000 to $20,000	15	60	4.1	159,579	4.5	80,596	4.6
$20,000 to $100,000	16	297	20.5	740,817	20.9	372,628	21.3
$100,000 to $1,000,000	10	1,078	74.3	2,614,464	73.6	1,269,334	72.7
ARLINGTON	19	246	100.0	641,092	100.0	364,242	100.0
Less than $5,000	3	4	1.6	12,060	1.9	7,261	2.0
$5,000 to $20,000	10	39	15.9	106,115	16.5	69,990	19.2
$20,000 to $1,000,000 [2]	6	203	82.5	522,917	81.6	286,991	78.8
ATTLEBORO	151	6,058	100.0	13,946,884	100.0	6,567,637	100.0
Less than $5,000	35	55	0.9	92,801	0.7	73,304	1.1
$5,000 to $20,000	35	233	3.8	364,261	2.6	262,617	4.0
$20,000 to $100,000	42	1,107	18.3	2,116,886	15.2	1,293,906	19.7
$100,000 and over [1]	39	4,663	77.0	11,372,936	81.5	4,937,810	75.2
BEVERLY	67	4,641	100.0	8,774,187	100.0	5,608,265	100.0
Less than $5,000	17	19	0.4	49,517	0.6	33,878	0.6
$5,000 to $20,000	19	92	2.0	193,830	2.2	109,439	2.0
$20,000 to $100,000	18	280	6.0	837,879	9.5	372,305	6.6
$100,000 and over [1]	13	4,250	91.6	7,692,961	87.7	5,092,643	90.8
BOSTON	3,138	78,894	100.0	284,802,479	100.0	134,234,199	100.0
Less than $5,000	664	780	1.0	1,832,798	0.6	1,307,102	1.0
$5,000 to $20,000	1,126	5,521	7.0	11,862,997	4.2	7,624,702	5.7
$20,000 to $100,000	860	14,782	18.7	40,013,229	14.0	22,502,776	16.8
$100,000 to $1,000,000	430	32,593	41.3	116,861,549	41.0	53,984,418	40.2
$1,000,000 and over	49	25,218	32.0	114,231,906	40.1	48,815,201	36.4
BROCKTON	243	16,246	100.0	51,259,131	100.0	19,594,890	100.0
Less than $5,000	42	38	0.2	101,892	0.2	56,680	0.3
$5,000 to $20,000	75	408	2.5	875,677	1.7	513,286	2.6
$20,000 to $100,000	69	1,052	6.5	3,019,863	5.9	1,392,040	7.1
$100,000 to $1,000,000	43	4,703	28.9	14,901,531	29.1	6,069,269	31.0
$1,000,000 and over	14	10,045	61.8	32,360,168	63.1	11,563,615	59.0
BROOKLINE	21	335	100.0	658,502	100.0	440,627	100.0
Less than $5,000	4	4	1.2	10,780	1.6	5,300	1.2
$5,000 to $20,000	10	48	14.3	125,377	19.0	65,069	14.8
$20,000 to $1,000,000 [2]	7	283	84.5	522,345	79.3	370,258	84.0
CAMBRIDGE	316	16,749	100.0	57,483,949	100.0	25,949,253	100.0
Less than $5,000	45	53	0.3	116,457	0.2	86,320	0.3
$5,000 to $20,000	88	361	2.2	922,142	1.6	561,794	2.2
$20,000 to $100,000	97	1,711	10.2	4,694,310	8.2	2,498,424	9.6
$100,000 to $1,000,000	74	8,413	50.2	22,685,341	39.5	10,707,788	41.3
$1,000,000 and over	12	6,211	37.1	29,065,699	50.6	12,094,927	46.6
CHELSEA	123	6,241	100.0	16,971,028	100.0	7,556,430	100.0
Less than $5,000	27	23	0.4	69,665	0.4	41,553	0.5
$5,000 to $20,000	33	129	2.1	331,250	2.0	174,022	2.3
$20,000 to $100,000	37	598	9.6	1,679,070	9.9	775,851	10.3
$100,000 to $1,000,000	22	1,979	31.7	5,900,363	34.8	2,581,792	34.2
$1,000,000 and over	4	3,512	56.3	8,990,680	53.0	3,983,212	52.7
CHICOPEE	62	8,426	100.0	28,869,152	100.0	11,751,249	100.0
Less than $5,000	16	13	0.2	39,775	0.1	26,098	0.2
$5,000 to $20,000	15	77	0.9	151,000	0.5	97,006	0.8
$20,000 to $100,000	15	410	4.9	855,185	3.0	394,193	3.4
$100,000 to $1,000,000	10	1,366	16.2	2,882,299	10.0	1,882,860	16.0
$1,000,000 and over	6	6,560	77.8	24,940,893	86.4	9,351,092	79.6
CLINTON	36	4,064	100.0	6,735,297	100.0	3,124,945	100.0
Less than $5,000	13	7	0.2	26,350	0.4	12,548	0.4
$5,000 to $20,000	13	39	1.0	114,824	1.7	54,232	1.7
$20,000 to $1,000,000 [2]	7	183	4.5	388,438	5.8	191,177	6.1
$1,000,000 and over	3	3,835	94.4	6,205,685	92.1	2,866,988	91.7
DEDHAM	15	256	100.0	427,690	100.0	217,149	100.0
Less than $5,000	6	10	3.9	13,416	3.1	8,929	4.1
$5,000 to $1,000,000 [2]	9	246	96.1	414,274	96.9	208,220	95.9
EVERETT	85	3,226	100.0	13,219,200	100.0	6,708,447	100.0
Less than $5,000	14	11	0.3	26,200	0.2	16,896	0.2
$5,000 to $20,000	21	86	2.7	226,853	1.7	131,155	2.0
$20,000 to $100,000	28	472	14.6	1,077,135	8.1	554,817	8.3
$100,000 to $1,000,000	19	1,498	46.4	5,666,288	42.9	3,031,140	45.2
$1,000,000 and over	3	1,159	35.9	6,222,724	47.1	2,974,439	44.3
FALL RIVER	315	36,834	100.0	64,663,146	100.0	27,501,659	100.0
Less than $5,000	81	65	0.2	208,081	0.3	122,610	0.4
$5,000 to $20,000	111	394	1.1	1,125,899	1.7	567,977	2.1
$20,000 to $100,000	61	1,529	4.1	3,024,569	4.7	1,426,906	5.2
$100,000 to $1,000,000	39	11,676	31.7	20,220,946	31.3	8,459,756	30.8
$1,000,000 and over	23	23,170	62.9	40,083,651	62.0	16,924,410	61.5
FITCHBURG	137	8,837	100.0	$23,983,352	100.0	$8,886,635	100.0
Less than $5,000	30	29	0.3	74,772	0.3	47,972	0.5
$5,000 to $20,000	43	169	1.9	386,743	1.6	228,157	2.6
$20,000 to $100,000	32	743	8.4	1,540,624	6.4	877,535	9.9
$100,000 to $1,000,000	28	4,848	54.9	12,897,310	53.8	4,491,306	50.5
$1,000,000 and over	4	3,048	34.5	9,083,903	37.9	3,241,665	36.5
FRAMINGHAM	49	3,982	100.0	8,726,574	100.0	4,279,492	100.0
Less than $5,000	5	6	0.2	16,739	0.2	9,907	0.2
$5,000 to $20,000	19	78	2.0	184,545	2.1	92,846	2.2
$20,000 to $100,000	9	177	4.4	487,781	5.6	259,212	6.1
$100,000 and over [1]	16	3,721	93.4	8,037,509	92.1	3,917,527	91.5
GARDNER	64	3,964	100.0	7,449,987	100.0	4,370,537	100.0
Less than $5,000	14	18	0.4	35,772	0.5	21,810	0.5
$5,000 to $20,000	16	88	2.2	170,122	2.3	99,569	2.3
$20,000 to $100,000	17	305	7.7	604,073	8.1	340,837	7.8
$100,000 and over [1]	17	3,553	89.6	6,640,020	89.1	3,908,321	89.4
GLOUCESTER	87	2,814	100.0	8,533,964	100.0	2,944,160	100.0
Less than $5,000	24	31	1.1	70,816	0.8	39,000	1.3
$5,000 to $20,000	30	144	5.1	336,130	3.9	169,913	5.8
$20,000 to $100,000	13	233	8.3	692,311	8.1	357,659	12.1
$100,000 to $1,000,000	20	2,406	85.5	7,434,707	87.1	2,377,588	80.8
GREENFIELD	50	1,602	100.0	3,527,101	100.0	2,104,676	100.0
Less than $5,000	11	22	1.4	33,216	0.9	23,242	1.1
$5,000 to $20,000	18	111	6.9	206,882	5.9	145,105	6.9
$20,000 to $100,000	13	266	16.6	570,218	16.2	309,040	14.7
$100,000 to $1,000,000	8	1,203	75.1	2,716,785	77.0	1,627,289	77.3
HAVERHILL	398	13,281	100.0	42,409,246	100.0	15,897,059	100.0
Less than $5,000	80	90	0.7	213,031	0.5	126,200	0.8
$5,000 to $20,000	119	604	4.5	1,265,523	3.0	692,957	4.4
$20,000 to $100,000	114	2,012	15.1	5,580,269	13.2	2,334,645	14.7
$100,000 to $1,000,000	77	7,259	54.6	24,435,552	57.6	8,418,056	53.0
$1,000,000 and over	8	3,316	25.0	10,914,871	25.7	4,325,201	27.2
HOLYOKE	222	17,493	100.0	44,041,155	100.0	18,678,707	100.0
Less than $5,000	60	40	0.2	141,269	0.3	95,965	0.5
$5,000 to $20,000	70	279	1.6	748,546	1.7	408,254	2.2
$20,000 to $100,000	34	572	3.3	1,724,054	3.9	819,558	4.4
$100,000 to $1,000,000	53	8,367	47.8	23,432,131	53.2	10,061,226	53.9
$1,000,000 and over	5	8,235	47.1	17,995,155	40.9	7,293,704	39.0
LAWRENCE	221	31,043	100.0	73,177,803	100.0	28,025,573	100.0
Less than $5,000	57	64	0.2	161,055	0.2	96,749	0.3
$5,000 to $20,000	85	255	0.8	785,947	1.1	373,964	1.3
$20,000 to $100,000	36	594	1.9	1,593,943	2.2	787,945	2.8
$100,000 to $1,000,000	31	4,149	13.4	10,534,294	14.4	4,194,591	15.0
$1,000,000 and over	12	25,981	83.7	60,102,564	82.1	22,572,324	80.5
LEOMINSTER	89	4,929	100.0	10,838,024	100.0	5,428,116	100.0
Less than $5,000	16	11	0.2	32,125	0.3	21,690	0.4
$5,000 to $20,000	24	163	3.3	301,058	2.8	169,951	3.1
$20,000 to $100,000	22	629	12.8	1,277,011	11.8	639,547	11.8
$100,000 and over [1]	27	4,126	83.7	9,227,830	85.1	4,596,928	84.7
LOWELL	300	29,904	100.0	56,048,641	100.0	22,944,407	100.0
Less than $5,000	82	89	0.3	218,645	0.4	135,927	0.6
$5,000 to $20,000	100	398	1.3	944,999	1.7	522,295	2.3
$20,000 to $100,000	59	1,168	3.9	2,534,923	4.5	1,259,543	5.5
$100,000 to $1,000,000	46	7,786	26.0	16,419,555	29.3	7,002,157	30.5
$1,000,000 and over	13	20,463	68.4	35,930,519	64.1	14,024,485	61.1
LYNN	429	25,339	100.0	69,783,418	100.0	31,088,241	100.0
Less than $5,000	75	101	0.4	135,008	0.3	124,917	0.4
$5,000 to $20,000	146	691	2.7	1,584,376	2.3	886,057	2.8
$20,000 to $100,000	102	1,975	7.8	4,840,593	6.9	2,414,397	7.8
$100,000 to $1,000,000	93	9,134	36.0	31,047,628	44.5	11,224,461	36.1
$1,000,000 and over	13	13,438	53.0	32,125,813	46.0	16,438,409	52.9
MALDEN	92	2,850	100.0	8,366,344	100.0	5,117,651	100.0
Less than $5,000	22	16	0.6	58,421	0.7	37,044	0.7
$5,000 to $20,000	36	113	4.0	358,414	4.3	186,780	3.6
$20,000 to $100,000	22	516	18.1	951,144	11.4	524,975	10.2
$100,000 and over [1]	12	2,205	77.4	6,998,365	83.6	4,368,852	85.4
MARLBOROUGH	43	3,822	100.0	9,983,632	100.0	3,515,746	100.0
Less than $5,000	8	7	0.2	18,220	0.2	12,048	0.3
$5,000 to $20,000	21	96	2.5	208,321	2.1	128,191	3.6
$20,000 to $100,000	7	119	3.1	290,880	2.9	131,104	3.7
$100,000 to $1,000,000	3	757	19.8	1,854,033	18.6	690,813	19.7
$1,000,000 and over	4	2,843	74.4	7,612,178	76.2	2,553,590	72.6
MEDFORD	54	559	100.0	2,618,893	100.0	763,557	100.0
Less than $5,000	24	13	2.3	55,449	2.1	27,504	3.6
$5,000 to $20,000	14	59	10.6	146,581	5.6	93,886	12.3
$20,000 to $100,000	11	200	35.8	498,393	19.0	257,591	33.7
$100,000 to $1,000,000	5	287	51.3	1,918,470	73.3	384,576	50.4

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

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

Table 21—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.
MELROSE	26	962	100.0	$2,499,029	100.0	$1,164,908	100.0
Less than $5,000	6	7	0.7	15,921	0.6	11,495	0.9
$5,000 to $20,000	9	43	4.5	83,062	3.3	51,157	4.4
$20,000 to $100,000	7	179	18.6	370,828	14.8	216,555	18.6
$100,000 and over [1]	4	733	76.2	2,029,218	81.2	885,701	76.0
METHUEN	25	1,940	100.0	4,461,111	100.0	1,510,293	100.0
Less than $5,000	8	5	0.2	15,678	0.4	9,941	0.6
$5,000 to $20,000	8	22	1.1	74,640	1.7	36,885	2.4
$20,000 to $100,000	6	149	7.7	392,276	8.8	160,258	10.6
$100,000 and over [1]	3	1,764	90.9	3,978,517	89.2	1,303,209	86.3
MILFORD	59	1,749	100.0	4,028,492	100.0	1,730,313	100.0
Less than $5,000	21	25	1.4	53,016	1.3	38,601	2.2
$5,000 to $20,000	19	74	4.2	186,374	4.6	104,462	6.0
$20,000 to $100,000	9	114	6.5	295,066	7.3	141,767	8.2
$100,000 to $1,000,000	10	1,536	87.8	3,494,036	86.7	1,445,483	83.5
NATICK	38	1,347	100.0	4,566,253	100.0	1,248,725	100.0
Less than $5,000	7	3	0.2	15,859	0.3	7,637	0.6
$5,000 to $20,000	11	46	3.4	109,724	2.4	59,625	4.8
$20,000 to $100,000	12	269	20.0	498,419	10.9	236,414	18.9
$100,000 and over [1]	8	1,029	76.4	3,942,251	86.3	945,049	75.7
NEW BEDFORD	233	33,343	100.0	65,575,005	100.0	28,001,358	100.0
Less than $5,000	57	67	0.2	154,544	0.2	88,651	0.3
$5,000 to $20,000	79	298	0.9	822,821	1.2	421,058	1.5
$20,000 to $100,000	45	776	2.3	1,843,122	2.8	901,944	3.2
$100,000 to $1,000,000	26	4,982	14.9	9,913,033	15.1	4,768,116	17.0
$1,000,000 and over	26	27,220	81.6	52,841,485	80.6	21,821,589	77.9
NEWBURYPORT	54	3,349	100.0	8,245,998	100.0	3,488,963	100.0
Less than $5,000	8	7	0.2	25,201	0.3	15,403	0.4
$5,000 to $20,000	14	59	1.8	145,333	1.8	65,377	1.9
$20,000 to $100,000	16	376	11.2	739,872	9.0	354,324	10.2
$100,000 and over [1]	16	2,907	86.8	7,335,592	89.0	3,053,859	87.5
NEWTON	58	2,154	100.0	5,822,853	100.0	2,681,060	100.0
Less than $5,000	16	12	0.5	44,648	0.8	30,741	1.1
$5,000 to $20,000	21	97	4.5	247,265	4.2	152,637	5.7
$20,000 to $100,000	13	230	10.7	710,828	12.2	367,496	13.7
$100,000 and over [1]	8	1,815	84.3	4,820,112	82.8	2,130,186	79.5
NORTH ADAMS	70	5,288	100.0	10,922,575	100.0	5,225,448	100.0
Less than $5,000	20	22	0.4	47,414	0.4	25,971	0.5
$5,000 to $20,000	20	94	1.8	175,290	1.6	108,383	2.1
$20,000 to $100,000	16	227	4.3	626,942	5.7	293,042	5.6
$100,000 to $1,000,000	10	1,927	36.4	4,375,740	40.1	1,745,882	33.4
$1,000,000 and over	4	3,018	57.1	5,697,189	52.2	3,052,170	58.4
NORTH ATTLEBOROUGH	74	2,250	100.0	4,867,725	100.0	2,953,571	100.0
Less than $5,000	13	14	0.6	35,975	0.7	21,447	0.7
$5,000 to $20,000	18	104	4.6	178,537	3.7	126,463	4.3
$20,000 to $100,000	31	923	41.0	1,763,686	36.2	1,116,764	37.8
$100,000 to $1,000,000	12	1,209	53.7	2,889,527	59.4	1,688,897	57.2
NORTHAMPTON	75	3,446	100.0	8,580,730	100.0	4,692,410	100.0
Less than $5,000	17	24	0.7	49,457	0.6	34,326	0.7
$5,000 to $20,000	28	109	3.2	294,097	3.4	157,310	3.4
$20,000 to $100,000	19	491	14.2	941,651	11.0	552,971	11.8
$100,000 and over [1]	11	2,822	81.9	7,295,525	85.0	3,947,803	84.1
PEABODY	77	5,485	100.0	18,441,906	100.0	6,198,420	100.0
Less than $5,000	9	14	0.2	26,600	0.1	17,210	0.3
$5,000 to $20,000	23	146	2.7	261,032	1.4	158,668	2.6
$20,000 to $100,000	21	527	9.6	1,196,517	6.5	534,244	8.6
$100,000 to $1,000,000	19	1,903	34.7	6,331,630	34.3	2,417,259	39.0
$1,000,000 and over	5	2,895	52.8	10,626,127	57.6	3,071,039	49.5
PITTSFIELD	84	7,490	100.0	22,241,237	100.0	13,111,901	100.0
Less than $5,000	24	25	0.3	66,490	0.3	42,572	0.3
$5,000 to $20,000	27	88	1.2	277,939	1.2	138,344	1.0
$20,000 to $100,000	17	391	5.2	701,795	3.2	408,965	3.1
$100,000 and over [1]	16	6,986	93.3	21,195,013	95.3	12,522,020	95.5
PLYMOUTH	37	2,845	100.0	13,904,545	100.0	3,781,402	100.0
Less than $5,000	14	16	0.6	41,373	0.3	26,633	0.7
$5,000 to $20,000	7	18	0.6	64,037	0.5	28,945	0.8
$20,000 to $100,000	9	171	6.0	421,703	3.0	220,774	5.8
$100,000 and over [1]	7	2,640	92.8	13,377,432	96.2	3,505,050	92.7
QUINCY	177	5,783	100.0	12,097,452	100.0	7,009,673	100.0
Less than $5,000	37	27	0.5	80,775	0.7	53,350	0.8
$5,000 to $20,000	69	358	6.2	751,139	6.2	510,552	7.3
$20,000 to $100,000	62	1,056	18.3	2,266,731	18.7	1,478,600	21.1
$100,000 and over [1]	9	4,342	75.1	8,998,807	74.4	4,967,171	70.9
REVERE	27	80	100.0	349,696	100.0	130,029	100.0
Less than $5,000	14	6	7.5	30,385	8.7	17,675	13.6
$5,000 to $20,000	9	21	26.2	87,422	25.0	48,621	37.4
$20,000 to $1,000,000 [2]	4	53	66.2	231,889	66.3	63,733	49.0
SALEM	178	5,294	100.0	$13,652,586	100.0	$5,507,369	100.0
Less than $5,000	50	64	1.2	122,741	0.9	80,793	1.5
$5,000 to $20,000	53	244	4.6	532,177	3.9	314,251	5.7
$20,000 to $100,000	47	913	17.2	2,050,363	15.0	1,039,246	18.9
$100,000 and over [1]	28	4,073	76.9	10,947,305	80.2	4,073,079	74.0
SOMERVILLE	144	5,429	100.0	43,971,291	100.0	7,474,752	100.0
Less than $5,000	34	29	0.5	92,744	0.2	63,235	0.8
$5,000 to $20,000	53	198	3.6	568,125	1.3	301,540	4.0
$20,000 to $100,000	35	585	10.8	1,709,333	3.9	839,476	11.2
$100,000 to $1,000,000	17	1,765	32.5	3,865,265	8.8	1,740,531	23.3
$1,000,000 and over	5	2,852	52.5	37,735,824	85.8	4,529,970	60.6
SOUTHBRIDGE	35	4,332	100.0	7,366,430	100.0	4,078,547	100.0
Less than $5,000	11	14	0.3	34,553	0.5	21,799	0.5
$5,000 to $20,000	12	56	1.3	121,233	1.6	58,930	1.4
$20,000 to $100,000	5	186	4.3	304,054	4.1	208,160	5.1
$100,000 and over [1]	7	4,076	94.1	6,906,590	93.8	3,789,658	92.9
SPRINGFIELD	395	14,240	100.0	44,428,854	100.0	22,513,668	100.0
Less than $5,000	106	114	0.8	265,594	0.6	182,484	0.8
$5,000 to $20,000	127	576	4.0	1,357,443	3.1	820,087	3.6
$20,000 to $100,000	83	1,412	9.9	3,385,880	7.6	1,919,874	8.5
$100,000 to $1,000,000	72	8,692	61.0	23,672,069	53.3	13,006,061	57.8
$1,000,000 and over	7	3,446	24.2	15,747,868	35.4	6,585,162	29.2
TAUNTON	115	7,371	100.0	15,885,812	100.0	7,779,588	100.0
Less than $5,000	25	36	0.5	72,601	0.5	52,502	0.7
$5,000 to $20,000	25	122	1.7	254,561	1.6	146,586	1.9
$20,000 to $100,000	34	840	11.4	1,701,864	10.7	980,967	12.6
$100,000 to $1,000,000	27	2,965	40.2	7,346,632	46.2	3,137,344	40.3
$1,000,000 and over	4	3,408	46.2	6,510,154	41.0	3,462,189	44.5
WAKEFIELD	22	2,008	100.0	6,057,659	100.0	2,913,845	100.0
Less than $5,000	5	4	0.2	14,902	0.2	7,723	0.3
$5,000 to $20,000	4	21	1.0	44,357	0.7	25,261	0.9
$20,000 to $100,000	6	148	7.4	296,599	4.9	177,247	6.1
$100,000 and over [1]	7	1,835	91.4	5,701,801	94.1	2,703,614	92.8
WALTHAM	88	6,465	100.0	10,236,912	100.0	6,421,477	100.0
Less than $5,000	26	37	0.6	73,218	0.7	50,924	0.8
$5,000 to $20,000	27	115	1.8	275,684	2.7	164,308	2.6
$20,000 to $100,000	26	684	10.6	1,256,403	12.3	804,424	12.5
$100,000 and over [1]	9	5,629	87.1	8,631,607	84.3	5,401,821	84.1
WATERTOWN	30	4,787	100.0	14,764,326	100.0	8,070,709	100.0
Less than $5,000	14	10	0.2	32,903	0.2	21,012	0.3
$5,000 to $20,000	3	21	0.4	25,160	0.2	15,525	0.2
$20,000 to $100,000	5	60	1.2	237,193	1.6	91,312	1.1
$100,000 and over [1]	8	4,696	98.1	14,469,070	98.0	7,942,860	98.4
WEBSTER	23	3,246	100.0	9,233,919	100.0	2,250,643	100.0
Less than $20,000 [3]	11	49	1.5	90,764	1.0	42,112	1.9
$20,000 to $100,000	5	97	3.0	170,625	1.8	97,835	4.3
$100,000 to $1,000,000	3	458	14.1	1,177,044	12.7	346,035	15.4
$1,000,000 and over	4	2,642	81.4	7,795,486	84.5	1,764,661	78.4
WESTFIELD	100	3,584	100.0	8,420,439	100.0	4,986,384	100.0
Less than $5,000	24	22	0.6	60,297	0.7	41,311	0.8
$5,000 to $20,000	40	188	5.2	392,673	4.7	226,067	4.5
$20,000 to $100,000	21	347	9.7	865,360	10.3	457,030	9.2
$100,000 and over [1]	15	3,027	84.5	7,102,109	84.3	4,261,976	85.5
WEST SPRINGFIELD	20	2,209	100.0	5,039,953	100.0	2,629,629	100.0
Less than $5,000	12	8	0.4	24,098	0.5	14,972	0.6
$5,000 to $20,000	8	19	0.9	77,240	1.5	38,471	1.5
$20,000 to $100,000	3	25	1.1	69,749	1.4	46,539	1.7
$100,000 and over [1]	6	2,157	97.6	4,868,866	96.6	2,529,647	96.2
WEYMOUTH	40	2,074	100.0	8,251,041	100.0	3,192,694	100.0
Less than $5,000	17	20	1.0	42,323	0.5	24,907	0.8
$5,000 to $20,000	8	25	1.2	69,935	0.8	38,694	1.2
$20,000 to $100,000	7	232	11.2	407,120	4.9	209,418	6.6
$100,000 to $1,000,000	5	652	31.4	2,300,699	27.9	889,010	27.8
$1,000,000 and over	3	1,145	55.2	5,430,964	65.8	2,030,665	63.6
WINCHESTER	19	1,048	100.0	5,159,479	100.0	1,557,477	100.0
Less than $20,000 [3]	10	37	3.5	67,905	1.3	39,145	2.5
$20,000 to $100,000	5	131	12.5	246,484	4.8	139,120	8.9
$100,000 and over [1]	4	880	84.0	4,845,090	93.9	1,379,212	88.6
WINTHROP	10	16	100.0	77,994	100.0	39,860	100.0
Less than $5,000	5	5	31.2	14,998	19.2	10,949	27.5
$5,000 to $100,000 [4]	5	11	68.8	62,996	80.8	28,911	72.5
WOBURN	57	1,565	100.0	5,517,806	100.0	2,166,426	100.0
Less than $5,000	11	19	1.2	36,158	0.7	24,925	1.2
$5,000 to $20,000	13	76	4.8	162,089	2.9	101,703	4.7
$20,000 to $100,000	22	443	28.3	864,774	15.7	459,011	21.2
$100,000 and over [1]	11	1,027	65.6	4,454,785	80.7	1,580,787	73.0
WORCESTER	606	29,452	100.0	82,829,356	100.	037,035,425	100.0
Less than $5,000	135	140	0.5	332,657	0.4	202,076	0.5
$5,000 to $20,000	190	918	3.1	2,100,810	2.5	1,186,212	3.2
$20,000 to $100,000	162	3,423	11.6	7,819,047	9.4	4,070,712	11.0
$100,000 to $1,000,000	104	13,063	44.4	31,024,598	37.4	15,550,019	42.0
$1,000,000 and over	15	11,908	40.4	41,552,244	50.2	16,026,406	43.3

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

Table 22 shows the size of establishment in 1914 as measured by the number of wage earners employed, for all industries combined, for 50 of the more important industries, and for each of the 60 cities having more than 10,000 inhabitants.

Table 23 presents, for 1914, percentages based on the figures in Table 22, and, for 1909, similar percentages for all industries combined and for individual industries in the state as a whole.

Table 22

Industry and city.	Total.		Establishments employing— No wage earners.	1 to 5 wage earners.		6 to 20 wage earners.		21 to 50 wage earners.		51 to 100 wage earners.		101 to 250 wage earners.		251 to 500 wage earners.		501 to 1,000 wage earners.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	12,013	606,698	1,249	4,853	11,904	2,767	31,426	1,306	42,068	742	53,565	599	95,945	251	88,263	149	100,796	97	182,731
Automobiles, including bodies and parts	66	3,439	3	18	61	14	156	22	723	3	215	3	525	1	305	2	1,454		
Boots and shoes, including cut stock and findings	884	85,114	25	219	653	211	2,552	143	4,748	99	7,401	85	13,449	66	22,713	27	17,121	9	16,477
Boots and shoes, rubber	9	8,087				2	13							3	1,387	2	1,714	2	4,973
Boxes, fancy and paper	97	4,244		7	27	31	411	34	1,126	14	984	11	1,696						
Brass, bronze, and copper products	73	1,620	5	29	84	29	275	4	122	3	193	2	375			1	571		
Bread and other bakery products	1,419	8,083	208	983	2,246	187	1,796	23	710	10	818	6	970	1	433			1	1,110
Brick, tile, pottery, and other clay products	54	1,262	1	10	37	24	333	12	356	6	432	1	104						
Canning and preserving	65	1,903	3	27	84	20	231	9	271	4	263			1	293	1	761		
Carpets and rugs, other than rag	12	5,319						2	70	2	175	2	267	2	631	2	1,573	2	2,603
Carriages and wagons and materials	175	1,348	12	99	235	49	553	12	361	3	199								
Cars and general shop construction and repairs by steam-railroad companies	15	6,264				1	17	2	85	3	187	3	596	3	1,129	1	781	2	3,469
Chemicals	24	1,395	1	11	25	6	50	1	30			2	270	3	1,020				
Clothing, men's, including shirts	227	7,645	5	52	153	91	1,051	52	1,710	16	1,240	7	1,125			4	2,366		
Clothing, women's	202	6,076	3	24	80	84	1,041	60	1,904	21	1,360	9	1,355	1	336				
Confectionery	148	6,787	12	65	156	31	338	15	506	7	544	11	1,608	4	1,351	3	2,284		
Copper, tin, and sheet-iron products	159	2,688	6	74	200	51	523	15	530	8	653	4	506	1	276				
Cordage and twine and jute and linen goods	20	7,614	1	3	10	1	15	2	59	2	152	6	1,147	2	820	1	596	2	4,815
Corsets	11	2,298		1	3	1	12	2	76	2	174	3	457	1	318			1	1,258
Cotton goods, including cotton small wares	189	113,559	1	4	19	12	167	16	582	22	1,640	18	3,018	29	11,231	47	33,801	40	68,101
Cutlery and tools, not elsewhere specified	137	6,485	10	52	131	35	375	14	505	7	484	14	2,330	2	727	3	1,933		
Electrical machinery, apparatus, and supplies	91	17,125	1	22	51	25	323	14	429	13	920	6	1,081	7	2,125	1	693	2	11,503
Fancy articles, not elsewhere specified	67	2,777		18	41	18	227	13	539	12	808	5	858	1	304				
Foundry and machine-shop products	932	41,361	40	334	916	254	2,852	148	4,696	73	5,091	59	8,844	13	4,745	3	1,651	8	12,566
Furniture and refrigerators	145	6,954	1	44	135	42	556	32	1,087	14	1,073	9	1,452	1	300	1	715	1	1,636
Gas, illuminating and heating	61	3,182	1	15	42	19	211	8	267	7	497	8	1,336	3	829				
Hats, straw	19	2,383				4	40	1	25	5	364	7	1,169	1	277	1	508		
Hosiery and knit goods	77	10,635	11	11	39	13	172	10	310	16	1,214	8	1,322	5	1,841	1	548	2	5,189
Iron and steel, steel works and rolling mills	11	2,889				4	49	2	55			3	591	1	311			1	1,883
Jewelry	202	6,505	12	45	116	57	685	44	1,488	29	1,948	15	2,268						
Leather goods	119	1,430	10	57	139	39	498	8	236	2	190	3	367						
Leather, tanned, curried, and finished	126	10,164		15	52	35	466	31	1,021	25	1,737	13	2,089	2	525	4	2,623	1	1,651
Liquors, malt	26	2,106		1	1	3	43	7	261	9	726	5	730	1	345				
Lumber and timber products	589	8,156	16	306	730	163	1,827	66	2,015	26	1,802	12	1,782						
Marble and stone work	306	3,858	23	152	372	89	1,082	27	747	10	704	4	656	1	297				
Millinery and lace goods	69	2,026	1	20	64	24	288	9	260	10	746	5	668						
Musical instruments, pianos and organs and materials	52	3,906	2	8	24	10	116	8	309	12	1,041	8	1,262	4	1,154				
Optical goods	13	2,356		5	16	3	38	1	28	2	132	1	126					1	2,016
Paper and wood pulp	86	13,401		5	20	7	95	12	388	10	758	41	7,279	9	3,456	2	1,405		
Paper goods, not elsewhere specified	60	5,829		14	28	14	170	9	265	7	536	13	2,157	1	322	1	515	1	1,836
Patent medicines and compounds and druggists' preparations	162	1,381	58	68	133	21	235	8	281	6	463			1	269				
Printing and publishing	1,344	18,170	385	508	1,331	294	3,245	89	2,707	39	2,759	19	3,048	5	1,838	5	3,242		
Silk goods, including throwsters	19	4,495		1	5	4	59	3	93	3	159	5	847			2	1,125	1	2,207
Silverware and plated ware	17	2,163				3	35	2	73	7	409	3	532	1	283	1	831		
Slaughtering and meat packing	107	3,582	14	51	129	25	249	11	289			2	362	2	696	2	1,857		
Stationery goods, not elsewhere specified	27	2,467		9	27	3	39	6	215	5	356			3	1,018	1	812		
Tobacco manufactures	336	3,926	108	165	357	43	448	8	280	6	420	2	374	2	540	2	1,507		
Toys and games	18	1,381	1	5	8	4	41			4	295	3	488			1	549		
Wire	8	2,899		1	3							3	474	3	1,108			1	1,314
Wirework, including woven-wire fencing	30	1,950	1	10	20	7	74	3	74	3	212	3	481	3	1,089				
Woolen, worsted, and felt goods	171	54,255		1	4	10	110	26	998	34	2,477	58	9,607	24	8,406	7	4,601	11	28,052
All other industries	2,737	81,756	268	1,284	2,897	650	7,244	260	8,158	121	8,614	89	13,897	37	13,215	20	12,659	8	15,072
Total for cities	9,925	508,647	1,049	3,937	9,910	2,360	26,757	1,113	35,524	591	42,411	461	73,793	205	72,444	122	82,717	87	165,091
Adams	35	3,930	3	20	43	3	37	1	21	3	169	3	457					2	3,203
Amesbury	59	1,451	7	27	69	8	98	9	295	4	290	4	699						
Arlington	19	246		11	26	4	29	2	67	2	124								
Attleboro	151	6,058	12	39	106	41	455	24	835	19	1,300	13	2,186	2	630	1	546		
Beverly	67	4,641	5	31	92	15	175	6	217	4	264	4	640	1	467			1	2,786

Table 22—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.
Boston	3,138	78,894	388	1,209	3,170	877	9,857	369	11,428	153	10,832	95	14,752	25	8,220	17	10,837	5	9,798
Brockton	243	16,246	19	86	229	66	795	27	857	15	1,047	15	2,219	9	3,350	3	1,932	3	5,817
Brookline	21	335	3	8	28	7	74	2	65	.....	.....	1	168	.....	.....	.....	.....	.....	.....
Cambridge	316	16,749	19	106	276	82	978	42	1,401	25	1,807	29	4,841	7	2,330	4	2,566	2	2,550
Chelsea	123	6,241	11	50	143	31	352	14	465	5	337	6	867	2	565	3	1,915	1	1,597
Chicopee	62	8,426	8	21	48	8	94	8	258	6	494	4	503	2	762	3	2,295	2	3,972
Clinton	36	4,064	6	18	33	5	38	4	158	.....	.....	.....	.....	1	448	.....	.....	2	3,387
Dedham	15	256	3	8	25	2	14	.....	.....	1	91	1	126	.....	.....	.....	.....	.....	.....
Everett	85	3,226	9	23	59	29	364	14	429	3	220	4	816	2	693	1	645	.....	.....
Fall River	315	36,834	46	141	324	48	512	18	627	9	720	6	900	18	6,914	20	14,164	9	12,673
Fitchburg	137	8,837	13	57	136	25	295	9	291	16	1,067	6	1,218	7	2,460	3	2,014	1	1,356
Framingham	49	3,982	2	20	52	6	55	11	368	4	283	3	497	2	891	.....	.....	1	1,836
Gardner	64	3,964	3	21	43	16	192	8	217	7	513	8	1,363	.....	.....	.....	.....	1	1,636
Gloucester	87	2,814	5	42	108	20	236	7	206	5	296	5	617	2	590	1	761	.....	.....
Greenfield	50	1,602	2	20	54	16	176	5	165	3	230	3	466	.....	.....	1	511	.....	.....
Haverhill	398	13,281	21	157	360	104	1,125	58	1,861	29	2,141	16	2,724	10	3,284	3	1,786	.....	.....
Holyoke	222	17,493	36	81	184	38	420	19	601	15	1,137	20	3,739	8	3,142	1	516	4	7,754
Lawrence	221	31,043	16	123	275	33	398	16	520	5	352	12	1,958	6	2,199	1	577	9	24,764
Leominster	89	4,929	7	21	49	24	271	12	509	13	970	9	1,378	1	476	2	1,276	.....	.....
Lowell	300	29,904	38	128	318	50	535	31	1,002	19	1,477	13	2,318	10	3,541	2	1,349	9	19,364
Lynn	429	25,339	33	164	468	103	1,165	56	1,804	31	2,269	22	3,353	14	4,572	4	2,524	2	9,184
Malden	92	2,850	9	44	88	18	196	9	265	8	559	2	360	1	410	1	972	.....	.....
Marlborough	43	3,822	2	25	66	7	91	2	65	.....	.....	2	333	2	860	2	1,163	1	1,244
Medford	54	559	15	19	36	11	117	7	252	2	154	.....	.....	.....	.....	.....	.....	.....	.....
Melrose	26	962	.....	12	25	8	86	3	124	1	87	1	142	1	498	.....	.....	.....	.....
Methuen	25	1,940	4	11	21	4	46	2	56	1	53	1	234	.....	.....	2	1,530	.....	.....
Milford	59	1,749	4	35	69	6	90	5	95	4	304	2	349	3	842	.....	.....	.....	.....
Natick	38	1,347	5	13	33	9	107	3	115	2	126	5	579	1	387	.....	.....	.....	.....
New Bedford	233	33,343	23	107	267	43	487	16	495	8	571	5	941	3	1,372	16	11,708	12	17,502
Newburyport	54	3,349	5	17	37	9	102	7	211	7	470	4	668	5	1,861	.....	.....	.....	.....
Newton	58	2,154	8	23	49	13	141	7	186	1	84	3	463	3	1,231	.....	.....	.....	.....
North Adams	70	5,288	5	31	76	17	182	5	170	1	61	4	651	4	1,426	1	636	2	2,086
North Attleborough	74	2,250	5	20	57	15	213	20	662	10	687	4	631	.....	.....	.....	.....	.....	.....
Northampton	75	3,446	8	35	105	14	163	3	75	5	377	6	949	2	652	2	1,125	.....	.....
Peabody	77	5,485	2	20	51	20	205	11	373	15	1,089	5	889	2	573	1	654	1	1,651
Pittsfield	84	7,490	8	45	114	10	122	4	109	6	495	5	804	3	1,191	2	1,321	1	3,334
Plymouth	37	2,845	6	14	25	7	69	5	172	1	51	2	409	.....	.....	1	559	1	1,560
Quincy	177	5,783	22	66	202	63	753	19	542	3	188	2	230	.....	.....	1	794	1	3,074
Revere	27	80	8	15	22	3	21	1	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salem	178	5,294	14	80	207	39	440	24	764	11	795	7	845	.....	.....	3	2,243	.....	.....
Somerville	144	5,429	15	65	133	33	382	18	558	3	179	5	1,011	2	738	3	2,428	.....	.....
Southbridge	35	4,332	4	17	42	3	33	3	106	2	103	4	614	.....	.....	.....	.....	2	3,434
Springfield	395	14,240	53	154	378	93	1,029	31	980	27	2,047	22	3,411	12	3,782	2	1,072	1	1,541
Taunton	115	7,371	4	38	84	28	344	16	509	16	1,132	7	1,013	3	1,343	1	831	2	2,115
Wakefield	22	2,008	2	6	18	3	39	6	175	1	94	1	108	1	311	2	1,263	.....	.....
Waltham	88	6,465	8	38	95	17	176	15	485	4	280	1	229	2	725	2	1,489	1	2,986
Watertown	30	4,787	7	10	17	5	59	2	74	.....	.....	3	541	2	629	.....	.....	1	3,467
Webster	23	3,246	.....	10	39	5	74	2	71	.....	.....	2	420	1	322	2	1,260	1	1,060
Westfield	100	3,584	11	43	110	26	301	8	251	4	320	5	725	2	791	.....	.....	1	1,086
West Springfield	29	2,209	7	13	24	3	28	1	49	1	85	2	416	.....	.....	1	545	1	1,062
Weymouth	40	2,074	7	18	45	2	23	6	198	2	128	.....	.....	5	1,680	.....	.....	.....	.....
Winchester	19	1,048	1	7	21	4	44	4	131	1	62	1	134	.....	.....	1	656	.....	.....
Winthrop	10	16	3	7	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woburn	57	1,565	1	19	46	19	217	9	321	6	367	2	362	1	252	.....	.....	.....	.....
Worcester	606	29,452	58	228	574	142	1,637	67	2,181	42	3,033	44	6,527	15	5,034	6	4,254	4	6,212

Of the 12,013 establishments for all manufacturing industries in the state, 1,249, or 10.4 per cent, employed no wage earners in 1914. These are small establishments in which the work is done by the proprietors, firm members, or persons classed as salaried employees. If wage earners were employed the number was so small and the term of employment so short that in computing the average, as described in the "Explanation of terms," the number was less than one person, and the establishment was classed as one having "no wage earners." The small establishments—those employing from 1 to 20 wage earners—predominate in the majority of the industries of the state but gave employment to only 7.1 per cent of the total average number of wage earners reported. There were only 1,096 establishments in the state that reported the employment of more than 100 wage earners each, but these establishments gave employment to 467,735, or 77.1 per cent of the total average number of wage earners reported for all establishments. These large establishments are shown especially in the manufacture of boots and shoes, foundries and machine shops, paper mills, and the textile industries.

Table 23

Industry and city.	Census year.	Per cent of total average number of wage earners in establishments employing specified number. 1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
All industries	1914	2.0	5.2	6.9	8.8	15.8	14.6	16.6	30.1
	1909	2.0	5.4	7.8	8.6	16.6	15.2	15.5	28.9
Automobiles, including bodies and parts.	1914	1.8	4.5	21.0	6.2	15.3	8.9	42.3	.....
	1909	1.0	5.2	14.2	9.4	13.7	18.0	38.5	.....
Boots and shoes, including cut stock and findings.	1914	0.8	3.0	5.6	8.7	15.8	26.7	20.1	19.4
	1909	0.7	3.2	6.0	6.8	18.4	31.6	17.6	15.8
Boots and shoes, rubber	1914	.....	0.2	.....	.....	.....	17.2	21.2	61.5
	1909	.....	0.1	.....	.....	2.0	13.7	8.7	75.6
Boxes, fancy and paper	1914	0.6	9.7	26.5	23.2	40.0	.....	.....	.....
	1909	0.4	12.0	32.8	27.8	27.0	.....	.....	.....
Brass, bronze, and copper products.	1914	5.2	17.0	7.5	11.9	23.1	.....	35.2	.....
	1909	4.6	19.9	19.3	3.0	23.7	.....	29.5	.....
Bread and other bakery products.	1914	27.8	22.2	8.8	10.1	12.0	5.4	.....	13.7
	1909	30.0	24.6	9.8	6.3	10.7	10.7	8.0	.....
Brick, tile, pottery, and other clay products.	1914	2.9	26.4	28.2	34.2	8.2	.....	.....	.....
	1909	3.1	30.8	36.3	29.8	.....	.....	.....	.....
Canning and preserving	1914	4.4	12.1	14.2	13.8	.....	15.4	40.0	.....
	1909	5.8	15.0	22.8	9.4	13.0	34.0	.....	.....
Carpets and rugs, other than rag.	1914	.....	.....	1.3	3.3	5.0	11.9	29.6	48.9
	1909	0.1	0.2	0.8	1.3	2.8	12.5	27.6	54.7
Carriages and wagons and materials.	1914	17.4	41.0	26.8	14.8	.....	.....	.....	.....
	1909	16.2	45.3	29.0	9.5	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1914	.....	0.3	1.4	3.0	9.5	18.0	12.5	55.4
	1909	.....	0.6	4.1	6.4	6.9	11.8	32.6	37.6
Chemicals	1914	1.8	3.6	2.2	.....	19.4	73.1	.....	.....
	1909	2.4	3.8	6.6	.....	26.1	61.1	.....	.....
Clothing, men's, including shirts.	1914	2.0	13.7	22.4	16.2	14.7	.....	30.9	.....
	1909	2.6	15.3	25.9	18.1	16.2	5.0	17.0	.....
Clothing, women's	1914	1.3	17.1	31.3	22.4	22.3	5.5	.....	.....
	1909	1.3	14.7	31.9	27.4	18.3	6.4	.....	.....
Confectionery	1914	2.3	5.0	7.4	8.0	23.7	19.9	33.7	.....
	1909	1.9	7.6	6.8	10.7	27.3	16.7	29.0	.....
Copper, tin, and sheet-iron products.	1914	7.4	19.5	19.7	24.3	18.8	10.3	.....	.....
	1909	7.4	20.1	17.2	15.1	29.6	10.6	.....	.....
Cordage and twine and jute and linen goods.	1914	0.1	0.2	0.8	2.0	15.1	10.8	7.8	63.2
	1909	0.3	1.1	1.8	1.3	21.4	6.6	10.0	57.4
Corsets	1914	0.1	0.5	3.3	7.6	19.9	13.8	.....	54.7
	1909	.....	2.6	.....	12.6	19.8	16.8	48.2	.....
Cotton goods, including cotton small wares.	1914	(1)	0.1	0.5	1.4	2.7	9.9	29.8	55.6
	1909	(1)	0.1	0.4	1.3	3.2	10.3	26.6	57.9
Cutlery and tools, not elsewhere specified.	1914	2.0	5.8	7.8	7.5	35.9	11.2	29.8	.....
	1909	1.9	5.5	7.3	12.8	29.5	9.6	17.5	15.9
Electrical machinery, apparatus, and supplies.	1914	0.3	1.9	2.5	5.4	6.3	12.4	4.0	67.2
	1909	0.3	1.9	4.6	5.8	12.1	7.4	.....	68.0
Fancy articles, not elsewhere specified.	1914	1.5	8.2	19.4	29.1	30.9	10.9	.....	.....
	1909	1.2	5.3	18.4	29.1	46.0	.....	.....	.....
Foundry and machine-shop products.	1914	2.2	6.9	11.4	12.3	21.4	11.5	4.0	30.4
	1909	1.8	5.9	11.7	13.4	18.2	7.0	11.3	30.7
Furniture and refrigerators	1914	1.9	8.0	15.6	15.4	20.9	4.3	10.3	23.5
	1909	1.8	7.4	17.2	14.3	12.6	16.7	9.6	20.3
Gas, illuminating and heating.	1914	1.3	6.6	8.4	15.6	42.0	26.1	.....	.....
	1909	2.1	8.7	8.7	22.9	45.7	11.8	.....	.....
Hats, straw	1914	.....	1.7	1.0	15.3	49.1	11.6	21.3	.....
	1909	0.2	0.8	1.6	12.1	45.5	19.9	19.9	.....
Hosiery and knit goods	1914	0.4	1.6	2.9	11.4	12.4	17.3	5.2	48.8
	1909	0.3	1.2	5.7	7.5	10.2	9.5	14.7	50.9
Iron and steel, steel works and rolling mills.	1914	.....	1.7	1.9	.....	20.4	10.8	.....	65.2
	1909	.....	0.8	1.6	.....	8.2	17.8	.....	71.7
Jewelry	1914	1.8	10.5	22.9	29.9	34.9	.....	.....	.....
	1909	1.1	5.9	18.8	35.3	35.1	3.8	.....	.....
Leather goods	1914	9.7	34.8	16.5	13.3	25.7	.....	.....	.....
	1909	8.3	32.9	16.3	19.8	22.7	.....	.....	.....
Leather, tanned, curried, and finished.	1914	0.5	4.6	10.0	17.1	20.6	5.2	25.8	16.2
	1909	0.6	3.4	13.2	16.1	23.3	.....	30.5	12.9
Liquors, malt	1914	(1)	2.0	12.4	34.5	34.7	16.4	.....	.....
	1909	0.2	4.3	28.9	50.4	16.3	.....	.....	.....
Lumber and timber products	1914	9.0	22.4	24.7	22.1	21.8	.....	.....	.....
	1909	9.8	26.5	29.4	19.3	14.9	.....	.....	.....
Marble and stone work	1914	9.6	28.0	19.4	18.2	17.0	7.7	.....	.....
	1909	7.4	27.8	16.9	24.8	12.6	10.5	.....	.....
Millinery and lace goods	1914	3.2	14.2	12.8	36.8	33.0	.....	.....	.....
	1909	4.1	24.1	29.7	.....	42.1	.....	.....	.....
Musical instruments, pianos and organs and materials.	1914	0.6	3.0	7.9	26.7	32.3	29.5	.....	.....
	1909	0.7	2.5	5.8	15.9	46.3	28.7	.....	.....
Optical goods	1914	0.7	1.6	1.2	5.6	5.3	.....	.....	85.6
	1909	0.3	1.1	0.9	10.0	6.3	.....	.....	81.4
Paper and wood pulp	1914	0.1	0.7	2.9	5.7	54.3	25.8	10.5	.....
	1909	0.1	1.2	3.0	6.7	49.6	28.5	10.8	.....
Paper goods, not elsewhere specified.	1914	0.5	2.9	4.5	9.2	37.0	5.5	8.8	31.5
	1909	0.7	3.9	4.6	9.1	37.2	11.9	.....	32.5
Patent medicines and compounds and druggists' preparations.	1914	9.6	17.0	20.3	33.5	.....	19.5	.....	.....
	1909	11.8	13.6	34.3	21.3	18.9	.....	.....	.....
Printing and publishing	1914	7.3	17.9	14.9	15.2	16.8	10.1	17.8	.....
	1909	7.8	17.2	16.5	13.0	17.0	13.8	14.6	.....
Silk goods, including throwsters.	1914	0.1	1.3	2.1	3.5	18.8	.....	25.0	49.1
	1909	(1)	0.8	5.8	1.4	21.9	9.3	14.2	46.5
Silverware and plated ware	1914	.....	1.6	3.4	18.9	24.6	13.1	38.4	.....
	1909	0.3	2.0	6.4	13.8	20.4	25.0	32.1	.....
Slaughtering and meat packing.	1914	3.6	7.0	8.1	.....	10.1	19.4	51.8	.....
	1909	4.0	8.2	2.5	4.4	5.9	17.1	27.4	30.5
Stationery goods, not elsewhere specified.	1914	1.1	1.6	8.7	14.4	.....	41.3	32.9	.....
	1909	1.7	2.0	5.4	9.8	11.7	35.8	33.6	.....
Tobacco manufactures	1914	9.1	11.4	7.1	10.7	9.5	13.8	38.4	.....
	1909	14.3	15.0	9.8	12.2	16.9	11.5	20.4	.....
Toys and games	1914	0.6	3.0	.....	21.4	35.3	.....	39.8	.....
	1909	0.8	0.8	9.7	25.8	29.9	33.0	.....	.....
Wire	1914	0.1	.....	.....	.....	16.4	38.2	.....	45.3
	1909	0.1	.....	.....	.....	11.5	31.3	.....	57.1
Wirework, including woven-wire fencing.	1914	1.0	3.8	3.8	10.9	24.7	55.8	.....	.....
	1909	2.3	3.4	9.1	7.5	50.1	27.6	.....	.....
Woolen, worsted, and felt goods.	1914	(1)	0.2	1.8	4.6	17.7	15.5	8.5	51.7
	1909	(1)	0.2	2.1	5.0	18.0	16.8	10.1	47.6
All other industries	1914	3.5	8.9	10.0	10.5	17.0	16.2	15.5	18.4
	1909	4.1	9.0	10.8	9.8	23.8	17.7	14.9	9.9
Total for cities	1914	1.9	5.3	7.0	8.3	14.5	14.2	16.3	32.5
Adams	1914	1.1	0.9	0.5	4.3	11.6	.....	.....	81.5
Amesbury	1914	4.8	6.8	20.3	20.0	48.2	.....	.....	.....
Arlington	1914	10.6	11.8	27.2	50.4	.....	.....	.....	.....
Attleboro	1914	1.7	7.5	13.8	21.5	36.1	10.4	9.0	.....
Beverly	1914	2.0	3.8	4.7	5.7	13.8	10.1	.....	60.0
Boston	1914	4.0	12.5	14.5	13.7	18.7	10.4	13.7	12.4
Brockton	1914	1.4	4.9	5.3	6.4	13.7	20.6	11.9	35.8
Brookline	1914	8.4	22.1	19.4	.....	50.1	.....	.....	.....
Cambridge	1914	1.6	5.8	8.4	10.8	28.9	13.9	15.3	15.2
Chelsea	1914	2.3	5.6	7.5	5.4	13.9	9.1	30.7	25.6
Chicopee	1914	0.6	1.1	3.1	5.9	6.0	9.0	27.2	47.1
Clinton	1914	0.8	0.9	3.9	.....	.....	11.0	.....	83.3
Dedham	1914	9.8	5.5	.....	35.5	49.2	.....	.....	.....
Everett	1914	1.8	11.3	13.3	6.8	25.3	21.5	20.0	.....
Fall River	1914	0.9	1.4	1.7	2.0	2.4	18.8	38.5	34.4
Fitchburg	1914	1.5	3.3	3.3	12.1	13.8	27.8	22.8	15.3
Framingham	1914	1.3	1.4	9.2	7.1	12.5	22.4	.....	46.1
Gardner	1914	1.1	4.8	5.5	12.9	34.4	.....	.....	41.3
Gloucester	1914	3.8	8.4	7.3	10.5	21.9	21.0	27.0	.....
Greenfield	1914	3.4	11.0	10.3	14.4	29.1	.....	31.9	.....
Haverhill	1914	2.7	8.5	14.0	16.1	20.5	24.7	13.4	.....
Holyoke	1914	1.1	2.4	3.4	6.5	21.4	18.0	2.9	44.3
Lawrence	1914	0.9	1.3	1.7	1.1	6.3	7.1	1.9	79.8
Leominster	1914	1.0	5.5	10.3	19.7	28.0	9.7	25.9	.....
Lowell	1914	1.1	1.8	3.4	4.9	7.8	11.8	4.5	64.8
Lynn	1914	1.8	4.6	7.1	9.0	13.2	18.0	10.0	36.2
Malden	1914	3.1	6.9	9.3	19.6	12.6	14.4	34.1	.....
Marlborough	1914	1.7	2.4	1.7	.....	8.7	22.5	30.4	32.5
Medford	1914	6.4	20.9	45.1	27.5	.....	.....	.....	.....
Melrose	1914	2.6	8.9	12.9	9.0	14.8	51.8	.....	.....
Methuen	1914	1.1	2.4	2.9	2.7	12.1	.....	78.9	.....
Milford	1914	3.9	5.1	5.4	17.4	20.0	48.1	.....	.....
Natick	1914	2.4	7.9	8.5	9.4	43.0	28.7	.....	.....
New Bedford	1914	0.8	1.5	1.5	1.7	2.8	4.1	35.1	52.5
Newburyport	1914	1.1	3.0	6.3	14.0	19.9	55.6	.....	.....
Newton	1914	2.3	6.5	8.6	3.9	21.5	57.1	.....	.....
North Adams	1914	1.4	3.4	3.2	1.2	12.3	27.0	12.0	39.2
North Attleborough	1914	2.5	9.5	29.4	30.5	28.0	.....	.....	.....
Northampton	1914	3.1	4.7	2.2	10.9	27.5	18.9	32.6	.....
Peabody	1914	0.9	3.7	6.8	19.9	16.2	10.4	11.9	30.1

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

Table 23—Continued.

INDUSTRY AND CITY.	Census year.	PER CENT OF TOTAL AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS EMPLOYING SPECIFIED NUMBER.							
		1 to 5	6 to 20	21 to 50	51 to 100	101 to 250	251 to 500	501 to 1,000	Over 1,000
PITTSFIELD	1914	1.5	1.6	1.5	6.6	10.7	15.9	17.6	44.5
PLYMOUTH	1914	0.9	2.4	6.0	1.8	14.4	.....	19.6	54.8
QUINCY	1914	3.5	13.0	9.4	3.3	4.0	.....	13.7	53.2
REVERE	1914	27.5	26.3	46.3	.....	.....	.....	.....	.....
SALEM	1914	3.9	8.3	14.4	15.0	16.0	.....	42.4	.....
SOMERVILLE	1914	2.4	7.0	10.3	3.3	18.6	13.6	44.7	.....
SOUTHBRIDGE	1914	1.0	0.8	2.4	2.4	14.2	.....	.....	79.3
SPRINGFIELD	1914	2.7	7.2	6.9	14.4	24.0	26.6	7.5	10.8
TAUNTON	1914	1.1	4.7	6.9	15.4	13.7	18.2	11.3	28.7
WAKEFIELD	1914	0.9	1.9	8.7	4.7	5.4	15.5	62.9	.....
WALTHAM	1914	1.5	2.7	7.5	4.3	3.5	11.2	23.0	46.2
WATERTOWN	1914	0.4	1.2	1.5	.....	11.3	13.1	.....	72.4
Webster	1914	1.2	2.3	2.2	.....	12.9	9.9	38.8	32.7
WESTFIELD	1914	3.1	8.4	7.0	8.9	20.2	22.1	.....	30.3
WEST SPRINGFIELD	1914	1.1	1.3	2.2	3.8	18.8	.....	24.7	48.1
WEYMOUTH	1914	2.2	1.1	9.5	6.2	.....	81.0	.....	.....
WINCHESTER	1914	2.0	4.2	12.5	5.9	12.8	.....	62.6	.....
WINTHROP	1914	100.0	.....	.....	.....	.....	.....	.....	.....
WOBURN	1914	2.9	13.9	20.5	23.5	23.1	16.1	.....	.....
WORCESTER	1914	1.9	5.6	7.4	10.3	22.2	17.1	14.4	21.1

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 Watertown, 96.8 per cent; Lawrence, 95.1; and New Bedford, 94.5.

Engines and power.—Table 24 shows, for 1914, 1909, and 1904, for all industries combined, the number and horsepower of engines and motors employed in generating power (including electric motors operated by purchased current). It also shows separately the number and horsepower of electric motors operated by current generated in the establishments reporting.

This table shows an increase in primary power amounting to 221,651 horsepower, or 18.9 per cent, from 1909 to 1914, a considerable portion of which was due to the increase in rented power. Although steam furnished the bulk of the power used, the use of rented power, now almost wholly electric, has increased greatly during the decade, the proportion of such power having increased from 5.6 per cent in 1904 to 15.5 per cent in 1914.

Table 24

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904
Primary power, total	33,617	19,279	8,449	1,396,722	1,175,071	938,007	100.0	100.0	100.0
Owned	7,205	8,485	8,449	1,180,573	1,040,438	885,369	84.5	88.5	94.4
Steam engines and turbines [1]	4,893	5,784	5,855	970,506	835,596	694,455	69.5	71.1	74.0
Internal-combustion engines	770	896	654	20,242	18,326	7,487	1.4	1.6	0.8
Water wheels, turbines, and motors	1,542	1,805	1,940	189,825	186,516	183,427	13.6	15.9	19.6
Rented	26,412	10,794	.....	216,149	134,633	52,638	15.5	11.5	5.6
Electric	26,412	10,794	(2)	200,339	109,996	27,073	14.3	9.4	2.9
Other	.....	.....	.....	15,810	24,637	25,565	1.1	2.1	2.7
Electric	56,927	29,344	.....	582,971	402,492	91,012	100.0	100.0	100.0
Rented	26,412	10,794	(2)	200,339	109,996	27,073	34.4	27.3	29.7
Generated by establishments reporting	30,515	18,550	3,697	382,632	292,496	63,939	65.6	72.7	70.3

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

While the amount of electric power generated within the establishments where produced is greater than that of electric rented power, the proportion which it forms of the total electric power used has decreased from 70.3 per cent in 1904 to 65.6 per cent in 1914.

The horsepower capacity of internal-combustion engines has increased greatly during the decade, though the proportion which such power forms of the total is insignificant. The horsepower of water wheels, turbines, and motors shows only a slight increase from census to census.

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

Table 25 shows, for 1914, the quantity of each kind of fuel used, for which data were obtained, for all industries combined and for certain selected industries in the state as a whole, and for all industries combined in each city.

Table 25

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).			
All industries	664,428	5,506,406	223,132	844,251	630,455
Automobiles, including bodies and parts	1,814	7,751	1	1,339	2,895
Belting, leather	174	7,380	.....	50	714
Blacking and cleansing and polishing preparations	322	1,661	2	.....	509
Boots and shoes, including cut stock and findings	20,994	96,551	343	523	18,813
Boots and shoes, rubber	7,207	41,330	.....	.....	1,116
Boxes, fancy and paper	1,162	5,404	.....	34	3,220
Brass, bronze, and copper products	8,338	14,008	493	14,615	1,398
Bread and other bakery products	31,497	15,110	32,089	195	51,001
Brick, tile, pottery, and other clay products	7,758	20,348	245	14	409
Canning and preserving	1,268	6,018	30	28	1,501
Carpets and rugs, other than rag	5,048	41,701	.....	.....	96
Carriages and wagons and materials	867	5,240	71	141	2,999
Cars and general shop construction and repairs by steam-railroad companies	20	64,232	4,554	7,772	.....
Chemicals	3,292	46,570	9,782	50	860
Clothing, men's, including shirts	1,398	7,920	13	49	4,629

Table 25—Continued.

INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 lbs.).	COAL. Bituminous (tons, 2,000 lbs.).	Coke (tons, 2,000 lbs.).	Oil, including gasoline (barrels).	Gas (1,000 cubic feet).
Clothing, women's	412	674	195	89	2,197
Confectionery	4,144	16,409	2,235	26	35,742
Cooperage and wooden goods, not elsewhere specified	116	2,494	156	30	.....
Copper, tin, and sheet-iron products	799	4,127	1,107	977	13,823
Cordage and twine and jute and linen goods	11,550	39,358	.....	3,545	.....
Cotton goods, including cotton small wares	129,299	1,004,328	1,497	4,595	16,156
Cutlery and tools, not elsewhere specified	7,034	26,115	932	16,102	9,727
Electrical machinery, apparatus, and supplies	1,496	117,165	4,407	18,402	50,431
Emery and other abrasive wheels	4,969	10,947	215	2	6,268
Fancy articles, not elsewhere specified	767	9,515	.....	41	2,634
Foundry and machine-shop products	17,722	153,685	58,758	45,041	68,134
Furniture and refrigerators	4,692	15,915	647	78	1,752
Gas and electric fixtures and lamps and reflectors	513	1,112	34	164	1,742
Gas, illuminating and heating	16,801	546,118	81,595	557,485	450
Hats, fur-felt	90	3,301	.....	18	1,810
Hats, straw	52	13,864	44	196	2,528
Hosiery and knit goods	1,152	36,205	882	74	5,018
Iron and steel, steel works and rolling mills	722	125,184	1,068	65,648	7,430
Jewelry	726	7,898	204	909	10,691
Lasts	877	3,837	1	5	1,032
Leather goods	518	870	33	50	3,352
Leather, tanned, curried, and finished	24,176	106,311	682	154	355
Liquors, distilled	5,030	9,450	.....	750	.....
Liquors, malt	13,026	69,455	2	148	721
Lumber and timber products	1,214	19,730	85	1,238	1,664
Marble and stone work	3,305	31,319	389	382	2,652
Musical instruments, pianos and organs and materials	2,260	18,789	353	99	8,285
Optical goods	177	10,635	.....	2,528	492
Paint and varnish	1,361	5,972	2,245	358	36
Paper and wood pulp	89,012	458,974	.....	273	146
Paper goods, not elsewhere specified	8,278	22,328	.....	30	687
Patent medicines and compounds and druggists' preparations	1,002	2,359	20	5	2,443
Printing and publishing	9,405	24,803	410	441	124,822
Rubber goods, not elsewhere specified	5,804	58,763	208	21	171
Silk goods, including throwsters	2,778	9,171	.....	310	1,459
Silverware and plated ware	582	9,699	386	2,609	8,887
Slaughtering and meat packing	52,630	5,843	78	18	512
Stoves and furnaces, including gas and oil stoves	1,768	6,053	7,506	525	850
Whips	62	1,159	.....	342	103
Wool shoddy	1,037	12,664	.....	3	.....
Woolen, worsted, and felt goods	24,279	635,624	322	7,233	10,615
All other industries	121,632	1,466,960	8,813	88,497	134,478
Total for cities	561,758	4,629,299	210,316	789,205	591,900
ADAMS	10,032	39,059	13	72	287
AMESBURY	759	6,709	716	2,369	1,028
ARLINGTON	467	4,443	131	3,570	141
ATTLEBORO	923	30,713	1,589	2,305	8,096
BEVERLY	716	17,273	2,802	6,362	3,713
BOSTON	60,909	410,976	90,173	249,198	264,319
BROCKTON	12,040	35,951	1,084	20,446	3,255
BROOKLINE	315	635	46	.....	1,584
CAMBRIDGE	33,575	151,618	9,295	36,713	18,441
CHELSEA	2,980	35,934	7,989	316	20,524
CHICOPEE	7,735	57,795	1,692	9,634	2,154
CLINTON	1,548	32,135	206	2,095	2,649
DEDHAM	157	6,834	.....	7	20
EVERETT	3,145	722,892	11,326	16,302	6,550
FALL RIVER	78,127	346,296	1,309	31,599	19,519
FITCHBURG	5,965	109,566	1,580	12,228	3,768
FRAMINGHAM	7,110	13,395	3,562	211	2,228
GARDNER	530	7,061	1,113	1,649	570
GLOUCESTER	1,143	19,999	484	3,722	1,583
GREENFIELD	1,629	3,783	227	2,976	1,687
HAVERHILL	16,799	27,305	3,747	20,430	9,607
HOLYOKE	20,933	233,363	2,376	15,776	10,103
LAWRENCE	2,947	421,982	2,777	4,971	10,306
LEOMINSTER	8,802	20,406	5	3,175	1,358
LOWELL	3,816	261,072	4,750	1,997	13,477
LYNN	1,746	116,177	12,290	46,664	9,292
MALDEN	3,706	41,652	608	34,474	11,389
MARLBOROUGH	401	5,767	28	3	3,639
MEDFORD	2,101	7,377	172	31	566
MELROSE	2,664	2,107	138	.....	928
METHUEN	69	31,470	103	11	187
MILFORD	952	9,312	602	275	176
NATICK	834	2,397	5	97	1,192
NEW BEDFORD	24,932	311,338	3,251	31,631	10,567
NEWBURYPORT	1,933	17,131	481	850	1,310
NEWTON	905	14,712	801	227	1,646
NORTH ADAMS	47,749	44,828	527	6,402	2,989
NORTH ATTLEBOROUGH	193	8,899	296	648	4,022
NORTHAMPTON	12,951	10,824	516	4,416	531
PEABODY	23,298	71,652	872	240	755
PITTSFIELD	3,014	79,266	1,287	13,810	30,636
PLYMOUTH	2,785	30,805	630	299	193
QUINCY	2,799	39,860	901	3,515	8,188
REVERE	77	5,585	73	134	648
SALEM	11,235	26,981	641	5,730	3,098
SOMERVILLE	48,240	15,425	4,518	23,114	3,590
SOUTHBRIDGE	474	34,828	51	3,264	918
SPRINGFIELD	13,678	92,617	4,744	41,822	17,047
TAUNTON	14,848	74,828	5,248	3,876	14,220
WAKEFIELD	494	9,950	1,189	830	1,000
WALTHAM	2,834	31,652	1,714	621	25,496
WATERTOWN	1,797	28,404	1,649	70	2,141
WEBSTER	1,293	41,476	.....	4,368	98
WESTFIELD	1,256	17,185	4,351	1,302	2,197
WEST SPRINGFIELD	13,693	37,284	109	16	970
WEYMOUTH	818	8,032	195	46	118
WINCHESTER	8,330	6,568	284	188	72
WINTHROP	36	1,213	72	.....	310
WOBURN	1,380	33,177	500	204	885
WORCESTER	25,141	301,325	9,478	111,304	23,919

SPECIAL STATISTICS.

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

Textiles.—Table 26 shows the relative importance of the different textile industries in Massachusetts as measured by value of products for 1914, 1909, and 1904.

Table 27 gives the number of spindles, looms, knitting machines, and other equipment reported for the different textile industries for 1914, 1909, and 1904. The spindles employed in the establishments engaged in the manufacture of cordage and twine and jute and linen goods are not included in the table, because they are not directly comparable with those used in other textile mills.

Table 26

INDUSTRY.	VALUE OF PRODUCTS. 1914	1909	1904
Total	$390,892,695	$383,342,587	$272,782,213
Cotton goods, including cotton small wares	197,322,111	186,462,313	130,068,982
Wool manufactures	141,329,858	153,477,015	109,027,873
Woolen, worsted, and felt goods	130,348,514	140,665,034	99,313,895
Carpets and rugs, other than rag	10,981,344	12,811,981	9,713,978
Cordage and twine and jute and linen goods	23,280,246	15,979,115	[1] 14,262,808
Hosiery and knit goods	17,419,077	14,736,025	10,094,897
Silk goods, including throwsters	10,676,681	8,942,246	7,012,062
Hats, fur-felt	864,722	3,745,873	2,315,591

[1] Excludes one jute establishment, to avoid disclosure.

Table 27 MACHINE.	Census year.	Total.	Carpets and rugs, other than rag.	Cotton goods, including cotton small wares.	Hosiery and knit goods.	Silk goods, including throwsters.	Woolen, worsted, and felt goods.
Producing spindles	1914	12,288,683	58,074	10,565,801	158,952	122,156	1,383,700
	1909	10,815,478	53,244	9,377,984	163,248	99,699	1,121,303
	1904	9,553,585	42,464	8,411,249	124,580	57,419	917,873
Looms	1914	261,219	1,474	228,857	.....	3,279	27,609
	1909	263,929	1,778	234,249	.....	2,717	25,185
	1904	223,757	1,367	200,192	.....	1,610	20,588
Knitting machines	1914	10,209	.....	.....	10,209	.....	.....
	1909	7,741	.....	.....	7,741	.....	.....
	1904	6,728	.....	.....	6,715	13	.....
Woolen cards (sets)	1914	1,467	53	.....	28	.....	1,386
	1909	1,519	80	.....	36	.....	1,403
	1904	1,706	80	.....	39	.....	1,587
Wool combing machines.	1914	918	33	.....	.....	.....	885
	1909	703	46	.....	.....	.....	657
	1904	497	47	.....	.....	.....	450

The total number of producing spindles shows an increase of 1,473,205, or 13.6 per cent, from 1909 to 1914; the number of knitting machines an increase of 2,468, or 31.9 per cent; and the number of combing machines an increase of 215, or 30.6 per cent. On the other hand, the number of looms decreased 2,710, or 1 per cent, and the sets of cards 52, or 3.4 per cent.

All of the industries show increases during each five-year period in the number of spindles reported, with the exception of the knitting mills, which show a slight decrease during the later five-year period. The cotton mills reported 86 per cent of the total number of spindles shown for the state in 1914.

In addition to the number of spindles reported in connection with the census of manufactures, statistics of the number employed in all of the textile industries are reported monthly to the Bureau of the Census. The total number of cotton spindles in the state of Massachusetts for 1914, as compiled from these monthly reports, was 11,046,990, and of these 10,885,303 were active some portion of the year ending August 31.

Cotton goods, including cotton small wares.—In the following table the principal materials and products of cotton manufacture, which includes the production of cotton goods and cotton small wares, are shown by kind, quantity, cost, and value for the census years 1914, 1909, and 1904.

Table 28	1914	1909	1904
MATERIALS.			
Total cost	$119,834,334	$105,156,794	$80,267,952
Cotton:			
Pounds	624,727,544	622,368,027	489,989,585
Cost	$89,326,563	$77,738,315	$62,232,818
Domestic—			
Pounds	576,617,532	578,315,382	467,110,958
Cost	$80,309,154	$70,495,332	$58,267,914
Foreign—			
Pounds	48,110,012	44,052,645	22,878,627
Cost	$9,017,409	$7,242,983	$3,964,904
Cotton waste purchased:			
Pounds	17,886,518	20,024,977	15,185,313
Cost	$860,435	$1,100,785	$997,506
Raw silk:			
Pounds	616,943	(1)	(1)
Cost	$1,774,258	(1)	(1)

[1] Not reported separately.

Table 28—Continued.	1914	1909	1904
MATERIALS—continued.			
Yarns, purchased:			
Cotton—			
Pounds	31,117,952	27,175,076	18,048,019
Cost	$9,284,324	$8,279,665	$4,907,080
Silk—			
Pounds	(1)	872,303	129,206
Cost	(1)	$2,854,181	$465,747
Spun silk—			
Pounds	445,732	187,691	40,745
Cost	$1,542,064	$802,763	$121,036
All other—			
Pounds	339,969	844,271	1,279,340
Cost	$160,672	$468,422	$509,794
Starch, cost	$523,338	$471,045	$355,513
Chemicals and dyestuffs, cost	$1,601,767	$1,609,908	$1,697,589
Fuel and rent of power, cost	$4,984,427	$4,041,092	$3,137,878
All other materials, cost	$9,776,486	$7,790,618	$5,842,991
PRODUCTS.			
Total value	$197,322,111	$186,462,313	$130,068,982
Ducks:			
Square yards	35,818,899	29,169,491	14,486,473
Value	$10,384,436	$5,988,828	$1,532,440
Unbleached and bleached sheetings, shirtings, and muslins: [2]			
Square yards	1,340,324,920	1,230,679,320	984,508,087
Value	$65,014,658	$63,028,168	$45,450,883
Ginghams:			
Square yards	129,379,233	139,552,491	70,831,304
Value	$10,157,707	$10,753,018	$5,708,934
Napped fabrics:			
Square yards	75,155,157	123,982,755	144,456,099
Value	$7,870,079	$9,470,477	$11,529,551
Fancy weaves, total: [3]			
Square yards	383,934,804	432,866,025	342,153,330
Value	$38,965,799	$46,164,902	$29,223,251
Drills—			
Square yards	12,425,634	17,088,244	9,238,099
Value	$1,690,223	$1,998,819	$697,279
Twills, sateens, etc.—			
Square yards	129,409,523	159,658,540	136,315,041
Value	$11,192,661	$14,889,807	$9,676,474
All other fancy weaves [3]—			
Square yards	242,099,647	256,119,241	196,600,190
Value	$26,082,915	$29,276,276	$18,849,498
Velvets, corduroys, and plushes:			
Square yards	8,010,211	6,109,238	4,149,619
Value	$2,054,181	$1,707,507	$1,211,404
Yarns, manufactured for sale:			
Pounds	112,623,922	108,930,860	83,399,133
Value	$38,784,313	$31,725,674	$21,363,138
Thread:			
Pounds	7,713,857	6,563,216	4,717,974
Value	$5,310,536	$5,285,750	$3,909,470
Cotton waste, for sale:			
Pounds	125,634,736	115,907,265	82,270,060
Value	$6,793,957	$4,650,374	$3,814,247
All other products, value	$11,986,445	$7,687,615	$6,325,664

[2] The figures for these fabrics represent the combined quantities and values of those designated at prior censuses as "plain cloths for printing and converting" and "brown or bleached sheetings and shirtings."

[3] Does not include fancy-woven ginghams, napped fabrics or bleached and unbleached sheetings.

The quantity of raw cotton used in cotton manufactures in 1914 was 27.5 per cent more than was consumed in 1904. Of the amount consumed in 1914, 92.3 per cent was domestic and 7.7 per cent foreign. Purchased cotton yarns used increased 72.4 per cent in quantity and 89.2 per cent in cost during the decade. The cost of yarn is largely duplicated in gross value of products, as the yarns purchased for materials by some mills are those produced for sale by others.

The total value of products increased from $130,068,982 in 1904 to $197,322,111 in 1914, or 51.7 per cent. Unbleached and bleached sheetings, shirtings, and muslins show a steady increase in both quantity and value from census to census. There were also increases in the production of ducks, ginghams, and the fancy weaves during the decade. Napped fabrics, and twills, sateens, etc., decreased from 1904 to 1914. Yarns made for sale increased from 83,399,133 pounds in 1904 to 112,623,922 pounds in 1914.

Wool manufactures.—Table 29 shows in detail, for 1914, 1909, and 1904, the quantities and cost of materials used in wool manufactures and the quantities and values of the principal products.

Table 29	1914	1909	1904
MATERIALS.			
Total cost	$89,745,703	$94,797,715	$69,480,203
Wool:			
In condition purchased—			
Pounds	165,039,667	167,993,961	139,798,692
Cost	$40,325,696	$47,193,010	$36,508,293
Foreign—			
Pounds	79,690,137	71,725,674	47,791,820
Cost	$20,302,783	$21,528,685	$12,699,745
Domestic—			
Pounds	85,349,530	96,268,287	92,006,872
Cost	$20,022,913	$25,664,325	$23,808,548
Equivalent in scoured condition (pounds)	99,914,078	108,243,103	(1)
Cotton:			
Pounds	10,814,793	10,143,678	9,856,972
Cost	$1,263,958	$1,237,820	$1,306,313
Domestic—			
Pounds	8,930,581	9,253,389	8,588,933
Cost	$960,836	$1,086,397	$1,133,820
Foreign—			
Pounds	1,884,212	890,289	1,268,039
Cost	$303,122	$151,423	$172,493
Animal hair:			
Pounds	5,399,163	3,876,452	4,847,564
Cost	$1,710,701	$1,100,038	$1,242,051
Recovered wool fiber:			
Pounds	5,853,328	3,687,530	8,398,940
Cost	$692,537	$547,990	$1,030,990
Wool and other noils and wool waste:			
Pounds	10,959,863	9,996,811	8,935,753
Cost	$2,657,705	$2,692,110	$2,314,666
Tops, purchased:			
Pounds	9,110,710	5,039,116	2,999,927
Cost	$4,974,310	$3,461,319	$1,605,067
Yarns, purchased:			
Pounds	44,334,079	46,077,736	32,266,465
Cost	$22,026,410	$24,461,745	$13,249,978
Woolen—			
Pounds	3,986,066	1,534,135	1,402,016
Cost	$1,085,094	$268,683	$669,314
Worsted—			
Pounds	19,458,214	21,470,242	11,130,612
Cost	$15,324,771	$18,923,644	$8,168,150
Merino (cotton-mixed)—			
Pounds	190,469	33,115	157,881
Cost	$50,849	$6,623	$49,508
Cotton—			
Pounds	14,764,361	15,425,293	12,756,599
Cost	$4,222,281	$4,212,147	$3,215,052
Silk—			
Pounds	112,345	30,529	57,979
Cost	$386,029	$126,330	$250,677
Spun silk—			
Pounds	88,871	74,332	88,694
Cost	$271,478	$240,174	$295,374
Linen—			
Pounds	944,122	1,195,599	1,588,434
Cost	$183,500	$215,556	$255,555
Jute, ramie, and other vegetable fiber—			
Pounds	4,789,631	6,314,491	5,084,250
Cost	$502,408	$468,588	$346,348
Chemicals and dyestuffs, cost	$3,931,653	$3,466,569	$2,852,975
Fuel and rent of power, cost	$3,218,639	$2,583,808	$1,933,173
All other materials, cost	$8,944,094	$8,053,306	$7,436,697
PRODUCTS.			
Total value	$141,329,858	$153,477,015	$109,027,873
All-wool woven goods:			
Square yards	114,830,218	109,221,437	85,615,420
Value	$72,163,336	$78,873,571	$53,601,910
Woolen suitings, overcoatings, and dress goods—			
Square yards	27,485,439	29,366,745	48,896,960
Value	$18,441,023	$19,025,840	$25,161,107
Worsted suitings, overcoatings, and dress goods—			
Square yards	86,386,650	78,424,778	34,074,137
Value	$53,172,690	$59,079,587	$27,463,600
All other—			
Square yards	958,129	1,429,914	2,644,323
Value	$549,623	$768,144	$977,203
Union or cotton-mixed woven goods:			
Square yards	18,264,936	10,236,836	13,401,999
Value	$6,143,131	$3,332,690	$5,193,788
Suitings, overcoatings, and dress goods—			
Square yards	11,962,150	6,405,030	10,404,973
Value	$4,319,854	$2,538,174	$4,636,226
All other—			
Square yards	6,302,786	3,831,806	2,997,026
Value	$1,823,277	$794,516	$557,562
Cotton-warp woven goods:			
Square yards	87,653,109	104,303,227	87,766,935
Value	$19,504,230	$24,858,337	$21,834,123

Table 29—Continued.	1914	1909	1904
PRODUCTS—continued.			
Cotton-warp woven goods—Con.			
Woolen-filling suitings, overcoatings, and dress goods—			
Square yards	22,818,252	22,610,651	14,876,509
Value	$5,189,915	$5,375,123	$4,578,046
Worsted-filling suitings, overcoatings, and dress goods—			
Square yards	26,075,033	58,750,120	37,564,031
Value	$5,228,443	$13,373,680	$9,319,254
Satinets and linseys—			
Square yards	6,857,360	4,120,737	17,559,146
Value	$1,171,708	$606,202	$3,213,469
Domett flannels and shirtings—			
Square yards	2,882,803	794,799	1,719,849
Value	$459,888	$136,605	$426,274
All other—			
Square yards	29,019,661	18,026,920	16,047,400
Value	$7,454,276	$5,366,727	$4,297,080
Carpets and rugs:			
Square yards	9,479,715	10,236,887	8,434,467
Value	$10,482,775	$12,160,257	$9,260,089
Carpets—			
Square yards	5,660,067	7,496,772	6,760,552
Value	$8,999,573	$10,358,191	$7,192,080
Rugs—			
Square yards	3,819,648	2,740,115	1,673,915
Value	$1,483,202	$1,802,066	$2,068,009
Felt goods:			
Felt cloths—			
Square yards	(2)	2,062,534	2,193 [illegible]03
Value	(2)	$480,838	$1,062 [illegible]21
Boot and shoe linings—			
Square yards	[illegible]9,909	1,444,978	2,645,811
Value	$1[illegible],256	$409,915	$701,101
All other, value	$2,[illegible],812	$1,500,746	$882,381
Woolen yarn:			
Pounds	1,[illegible]411	1,161,773	1,553,033
Value	$[illegible]383	$455,448	$799,941
Union or merino yarn:			
Pounds	1,9[illegible]12	1,283,261	743,771
Value	$1,51[illegible]84	$1,043,693	$498,056
Worsted yarn and tops:			
Pounds	29,63[illegible]3	26,591,701	15,850,648
Value	20,429[illegible]	$22,438,097	$10,310,734
Mohair and other yarns:			
Pounds	1,992,	1,811,285	868,437
Value	$953,124	$662,018	$584,483
Waste, for sale:			
Pounds	10,997,975	8,387,654	5,762,271
Value	$981,282	$774,155	$818,838
Noils, for sale:			
Pounds	10,955,313	11,250,153	5,244,593
Value	$3,133,490	$3,655,975	$1,517,014
All other products, value	$795,459	$1,382,882	$1,480,668
Work for others on contract, value	$1,419,930	$1,448,393	$482,326

[1] Figures not available.
[2] Combined with "all other felt goods," to avoid disclosure of individual operations.

Of the 189 establishments reported at the census of 1909 as engaged in the manufacture of woolen, worsted, and felt goods, and carpets and rugs, 154 manufactured these goods in 1914, 35 having discontinued operations, or so changed their products that they were assigned to some other industry. Of the 154 mills engaged in wool manufactures at each census, 82 reported a decrease in value of products in 1914 as compared with 1909. Several establishments closed down entirely during a portion of the year 1914. There were only 2 establishments reported in 1914 and 1904 as engaged in the manufacture of wool hats, and, therefore, data for this branch of wool manufactures are not included.

The total value of products for the industry as a whole shows an increase of 29.6 per cent for the decade, but a decrease of 7.9 per cent during the later five-year period. This decrease in total value of products is accompanied by a decrease in the value reported for the more important items shown in the table, with the exception of union or cotton-mixed woven goods, which increased in both quantity and value, 78.4 per cent and 84.3 per cent, respectively.

The most pronounced decline in the products of wool manufactures from 1909 to 1914 was in cotton-warp woven goods, the decrease in the quantity of these fabrics being even greater than in value. On the other hand, the all-wool woven goods showed an increase in quantity and a decrease in value.

In the production of woolen and worsted goods, Massachusetts far outranked any other state, reporting a value for these goods more than twice as great as that for the state next in rank, and equal to one-third of that reported for the entire country. It ranked second among the states in the production of felt goods, and third in carpets and rugs.

Hosiery and knit goods.—Table 30 shows for this industry, for 1914, 1909, and 1904, the quantities and cost of materials used and the quantities and values of products made.

Table 30	1914	1909	1904
MATERIALS.			
Total cost	$9,266,671	$6,971,606	$5,020,770
Cotton:			
Pounds	13,914,900	16,459,053	12,643,679
Cost	$1,926,119	$1,912,046	$1,445,852
Domestic—			
Pounds	13,598,664	16,034,818	12,380,800
Cost	$1,873,252	$1,843,846	$1,400,173
Foreign—			
Pounds	316,236	424,235	262,879
Cost	$52,867	$68,200	$45,679
Wool (in condition purchased):			
Pounds	313,877	440,374	1,505,141
Cost	$154,499	$195,577	$391,463
Recovered wool fiber:			
Pounds	226,555	269,443	284,974
Cost	$25,568	$34,382	$40,993
Wool waste and noils:			
Pounds	442,225	271,388	301,545
Cost	$141,394	$107,839	$99,908
Yarns, purchased:			
Pounds	9,698,139	8,295,153	4,635,801
Cost	$4,894,894	$3,359,779	$1,966,254
Cotton—			
Pounds	7,325,269	6,963,775	3,711,210
Cost	$2,442,240	$1,771,206	$1,014,714
Woolen—			
Pounds	123,022	113,368	80,380
Cost	$75,254	$87,798	$57,192
Worsted—			
Pounds	1,357,338	619,140	736,826
Cost	$1,084,700	$638,014	$672,606
Merino—			
Pounds	558,104	466,747	53,706
Cost	$294,263	$475,769	$40,464
Spun silk—			
Pounds	180,060	124,715	53,679
Cost	$718,503	$369,777	$181,278
Artificial silk—			
Pounds	129,254	(1)	(1)
Cost	$251,447	(1)	(1)
All other—			
Pounds	25,092	7,408	.....
Cost	$28,487	$17,215	.....
Chemicals and dyestuffs, cost	$221,397	$242,632	$155,419
Fuel and rent of power, cost	$234,091	$174,846	$140,226
All other materials, cost	$1,668,709	$944,505	$780,655
Yarns made in mill for use therein:			
Cotton, pounds	8,677,894	13,467,586	(1)
Woolen, pounds	424,474	254,000	(1)
Worsted, pounds	.....	128,000	(1)
Merino, pounds	748,670	600,616	(1)
PRODUCTS.			
Total value	$17,419,077	$14,736,025	$10,094,897
Hosiery:			
Dozen pairs	4,528,469	4,506,960	2,790,860
Value	$5,695,684	$4,780,351	$2,869,037
Cotton—			
Dozen pairs	3,791,779	4,280,266	2,556,261
Value	$3,540,884	$3,734,618	(1)
Silk and silk-mixed—			
Dozen pairs	513,401	63,762	(1)
Value	$1,845,246	$765,144	(1)
All other—			
Dozen pairs	223,289	162,932	(1)
Value	$309,554	$280,589	(1)

Table 30—Continued.	1914	1909	1904
PRODUCTS—continued.			
Shirts and drawers:			
Dozens	1,354,538	1,667,482	1,253,170
Value	$5,034,294	$6,080,517	$4,268,233
Cotton—			
Dozens	1,142,782	1,415,227	1,098,633
Value	$3,408,500	$4,257,591	(1)
Merino—			
Dozens	145,781	182,903	44,729
Value	$957,713	$1,206,785	(1)
Silk and silk-mixed—			
Dozens	32,314	33,998	2,995
Value	$303,731	$208,184	(1)
All other—			
Dozens	33,661	35,354	106,813
Value	$364,350	$407,957	(1)
Combination suits:			
Dozens	408,445	183,175	123,144
Value	$3,279,212	$2,011,791	$1,172,512
Cotton—			
Dozens	238,256	100,024	53,825
Value	$1,695,784	$861,787	(1)
Merino—			
Dozens	82,990	74,643	24,609
Value	$851,778	$968,915	(1)
Silk and silk-mixed—			
Dozens	21,972	8,108	(1)
Value	$383,956	$173,089	(1)
All other—			
Dozens	65,227	400	(1)
Value	$347,694	$8,000	(1)
Bathing suits:			
Dozens	6,328	(1)	(1)
Value	$69,432	(1)	(1)
Gloves and mittens:			
Dozen pairs	24,932	27,829	52,840
Value	$46,764	$51,156	$108,991
Cardigan jackets, sweaters, etc.:			
Dozens	94,857	40,544	15,023
Value	$1,394,263	$718,562	$300,899
Cotton yarn made for sale:			
Pounds	3,328,625	1,451,711	1,255,273
Value	$744,294	$272,653	$206,500
All other products, value	$1,155,134	$820,995	$1,108,725

[1] Figures not available.

The principal material used in the manufacture of hosiery and knit goods in 1914 was cotton, and both raw cotton and cotton yarn were purchased in large quantities. From the raw cotton used there were made 12,006,519 pounds of cotton yarn, of which 8,677,894 pounds were produced in the establishment for use therein, and 3,328,625 pounds were made for sale. Since the yarn made for sale is largely used by other knitting mills, its value, $744,294, constitutes a duplication in the total cost of materials and gross value of products. Almost twice as much purchased cotton yarn was used in 1914 as in 1904. Of the total cotton yarn used in the industry, a much larger percentage was purchased as such in 1914 than at previous censuses.

Less than half as much raw wool, recovered wool fiber, and wool waste and noils were used in 1914 as ten years before, but this was partially offset by a large increase in the quantity of purchased woolen, worsted, and merino yarns used.

Of the total value of products, the value of hosiery represented the largest percentage, 32.7; that of shirts and drawers constituted 28.9 per cent; and that of combination suits, 18.8 per cent. For the five-year period 1909–1914 there was a very slight increase in the quantity of hosiery manufactured, but the increase in value amounted to $915,333, or 19.2 per cent. This was due to a very great increase in the quantity of silk and silk-mixed hosiery pro-

duced. There was a decrease from 1909 to 1914 in both the quantity and the value of shirts and drawers. Combination suits, however, show an increase of 123 per cent in quantity and 63 per cent in value. Cardigan jackets, sweaters, etc., showed increases of 134 per cent in quantity and 94 per cent in value.

Boots and shoes.—In 1914 Massachusetts ranked first among the states in the manufacture of boots and shoes, 39.4 per cent of the entire production of the industry in the United States being manufactured in this state, a slightly smaller proportion than in 1909, when it was 41.4 per cent.

The following table shows the number of pairs of the various kinds of boots, shoes, and slippers manufactured in Massachusetts in 1914, 1909, and 1904.

Table 31 KIND.	NUMBER OF PAIRS.		
	1914	1909	1904
Boots and shoes	98,009,176	102,826,648	93,546,297
Men's	44,750,716	45,155,939	44,878,920
Boys' and youths'	8,318,252	9,019,124	8,439,461
Women's	32,295,781	36,778,432	28,190,958
Misses' and children's	12,644,427	11,873,153	12,036,958
Slippers	11,799,532	10,155,324	12,069,160
Men's, boys', and youths'	3,061,796	3,369,808	3,549,189
Women's, misses', and children's	8,737,736	6,785,516	8,519,971
Infants' shoes and slippers	3,109,511	3,610,576	(1)
All other kinds of footwear	2,306,164	1,411,378	1,644,419

[1] Not reported separately.

Of the total number of men's boots and shoes manufactured in the United States in 1914, 45.6 per cent were produced in Massachusetts; the corresponding figure for 1909 was 48.1 per cent. The proportion of women's boots and shoes forms 39.9 per cent of the total production in 1914 and 42.5 per cent in 1909.

Table 32 shows the various kinds of footwear produced in 1914 and 1909, classified according to the method of manufacture.

Table 32 KIND.	Census year.	NUMBER OF PAIRS, BY METHOD OF MANUFACTURE.				
		Total.	Welted.	Turned.	McKay.	Wood or metal fastened.
Boots and shoes	1914	98,009,176	47,023,877	10,547,357	32,597,338	7,840,604
	1909	102,826,648	41,486,895	9,615,918	38,947,521	12,776,314
Men's	1914	44,750,716	33,052,320	461,750	5,588,227	5,648,419
	1909	45,155,939	27,994,422	384,108	8,106,707	8,670,702
Boys' and youths'	1914	8,318,252	1,672,616	.....	5,377,545	1,268,091
	1909	9,019,124	1,548,486	(1)	5,354,449	2,116,189
Women's	1914	32,295,781	9,667,796	8,779,641	13,322,750	525,594
	1909	36,778,432	10,867,921	7,601,247	16,976,900	1,332,364
Misses' and children's.	1914	12,644,427	2,631,145	1,305,966	8,308,816	398,500
	1909	11,873,153	1,076,066	1,630,563	8,509,465	657,059
Slippers	1914	11,799,532	509,269	6,824,978	4,189,516	275,769
	1909	10,155,324	565,673	5,276,409	4,185,149	128,093
Men's, boys', and youths'.	1914	3,061,796	(2)	1,472,349	1,313,678	275,769
	1909	3,369,808	427,464	1,540,032	1,286,219	116,093
Women's, misses', and children's.	1914	8,737,736	509,269	5,352,629	2,875,838	.....
	1909	6,785,516	138,209	3,736,377	2,898,930	12,000
Infants' shoes and slippers.	1914	3,109,511	477,811	1,969,950	661,750	.....
	1909	3,610,576	580,551	2,376,013	638,257	15,755
All other footwear	1914	2,306,164	(3)	1,742,300	563,864	.....
	1909	1,411,378	435,097	830,216	139,314	6,751

[1] Included in "all other footwear."
[2] Included with "wood or metal fastened."
[3] Included with "McKay."

Of the boots and shoes produced in this state, nearly one-half, or 48 per cent, were of the welted type and 33.3 per cent McKay. For the turned and the wood or metal-fastened groups the percentages were 10.8 and 8, respectively. The corresponding percentages for these groups in 1909 were 40.3 welted, 37.9 McKay, 9.4 turned, and 12.4 wood or metal fastened. Comparing the two census periods, it is found that the proportion of welted and turned types increased, while the proportion for the two other groups decreased. The totals for the United States also show a larger proportion for the welted and turned groups in 1914 than in 1909.

By far the largest portion of the men's boots and shoes, 73.9 per cent, were made by the welted method, while the largest percentages of boys' and youths', women's, and misses' and children's were McKay, being 64.6, 41.3, and 65.7 per cent, respectively.

Printing and publishing.—While the printing and publishing industry in Massachusetts shows considerable growth during the last five years, the increase in circulation is less than in the earlier semidecade. In number of publications there was a decided increase, 95, or 17.7 per cent.

The following table shows the number of the different classes of newspapers and periodicals published in the state and their aggregate circulation per issue for 1914, 1909, and 1904:

Table 33 PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1914	1909	1904	1914	1909	1904
Total	632	537	575	10,072,651	9,636,182	9,079,506
Daily	93	86	89	2,060,343	1,765,690	1,453,263
Sunday	21	15	16	1,271,453	1,122,049	926,441
Semiweekly and triweekly	10	8	5	26,550	23,225	38,025
Weekly	322	271	309	2,552,499	1,911,486	1,445,984
Monthly	118	107	117	2,153,439	2,789,665	4,374,209
Quarterly	44	31	27	1,361,467	1,401,844	445,581
All other classes	24	19	12	646,900	622,223	396,003

The weekly publications form the largest class in number, as well as in circulation, although the monthlies, and also the dailies, almost equaled the weeklies in circulation. From 1909 to 1914 every class of publication shows an increase in number, and all, with the exception of the monthlies and quarterlies, an increase in circulation. The largest increase was shown by the weeklies, 641,013, or 33.5 per cent. The dailies increased 294,653, or 16.7 per cent, the Sunday papers, 149,404, or 13.3 per cent, and the semiweeklies and triweeklies, 3,325, or 14.3 per cent. In 1914, 75 of the 93 daily papers, with an aggregate circulation of 1,266,940, were evening editions.

Of the foreign daily and Sunday papers, all but one, a Finnish paper, were in the French language. The semiweeklies and triweeklies included one semiweekly each in Armenian, Finnish, French, and Lettish, and one

triweekly in Armenian. The weeklies were: 7 in French, 7 in German, 2 in Greek, 3 in Italian, 2 in Lithuanian, 2 in Polish, 6 in Portuguese, 4 in Swedish, 1 in Yiddish, and 1 in English and Yiddish. The monthlies consisted of 1 in Esperanto, 1 in Finnish, 2 in German, 1 in Greek, and 1 in Swedish. The "all other classes" included 1 publication in German and 1 in Lettish. Both the English and foreign publications as a whole increased in circulation as well as in number during the semidecade, the most marked increase being in the foreign circulation, 229,774, or 61.3 per cent.

Table 34 shows the number and circulation of the various classes of publications in English and in foreign languages, reported in 1914 and 1909:

Table 34		TOTAL.		IN ENGLISH.		IN FOREIGN LANGUAGES.	
PERIOD OF ISSUE.	Census year.	Number.	Aggregate circulation per issue.	Number.	Aggregate circulation per issue.	Number.	Aggregate circulation per issue.
Total	1914	632	10,072,651	575	9,467,839	57	604,812
	1909	537	9,636,182	490	9,261,144	47	375,038
Daily and Sunday	1914	114	3,331,796	107	3,299,249	7	32,547
	1909	101	2,887,739	96	2,871,539	5	16,200
Semiweekly and triweekly.	1914	10	26,550	5	13,050	5	13,500
	1909	8	23,225	3	9,725	5	13,500
Weekly	1914	322	2,552,499	287	2,418,757	35	133,742
	1909	271	1,911,486	242	1,817,380	29	94,106
Monthly	1914	118	2,153,439	112	2,122,266	6	31,173
	1909	[1] 101	2,744,183	101	2,744,183	(2)	(2)
All other classes	1914	68	2,008,367	64	1,614,517	4	393,850
	1909	56	2,069,549	48	1,818,317	8	251,232

[1] Does not include monthly publications issued in foreign languages.
[2] Included in "all other classes," to avoid disclosure of individual operations.

Slaughtering and meat packing.—The following table shows for the slaughtering and meat-packing industry, for the census periods 1914, 1909, and 1904, the kind, number, and cost of the animals slaughtered; the cost of dressed meat purchased for curing and making lard compounds and substitutes, oleo oil, and stearin; and the cost of "all other materials," which includes curing materials, seasoning, cottonseed oil, ice, containers, mill supplies, fuel, rent of power, and freight; and the quantities and values of the various products manufactured, except canned-meat products, lard compounds and substitutes, oleo and other oils, soap stock, and wool, which are included in "all other products," to avoid the disclosure of individual operations. These figures do not include establishments engaged exclusively in the manufacture of sausage.

The growth of the industry was much more rapid from 1909 to 1914 than during the previous census period. The cost of materials increased $7,944,203, or 21.2 per cent, from 1909 to 1914, and $4,241,403, or 12.8 per cent, from 1904 to 1909, and the value of products during these periods increased in about the same proportion as that shown for materials. The cost of animals slaughtered from 1909 to 1914 increased in a much greater proportion than the number of these animals. This is very marked in the case of calves and hogs, which actually decreased in number and increased in cost. This condition is also noticeable in the quantity and value of the various products, the increase in quantity not having kept pace with the increase in value.

Table 35	1914	1909	1904
MATERIALS.			
Total cost	$45,428,339	$37,484,136	$33,242,733
Animals slaughtered:			
Beeves—			
Number	79,615	62,900	68,103
Cost	$4,630,253	$3,376,319	$3,141,989
Calves—			
Number	115,724	129,162	88,651
Cost	$1,135,673	$854,275	$643,262
Sheep and lambs—			
Number	370,835	342,491	418,580
Cost	$2,085,790	$1,730,127	$1,826,403
Hogs—			
Number	1,263,238	1,501,456	1,549,365
Cost	$26,854,736	$25,048,740	$21,468,261
Dressed meat purchased for curing, cost	$7,008,734	[1] $3,840,997	$5,106,112
All other materials, cost	$3,713,153	$2,633,678	$1,056,706
PRODUCTS.			
Total value	$51,724,520	$42,531,499	$37,098,502
Fresh meat:			
Beef—			
Pounds	39,464,297	34,589,397	40,510,084
Value	$4,282,617	$2,865,011	$2,803,289
Veal—			
Pounds	7,966,636	8,317,482	6,601,707
Value	$1,042,344	$801,055	$585,981
Mutton and lamb—			
Pounds	14,715,201	13,346,470	16,915,035
Value	$1,883,045	$1,538,054	$1,502,370
Pork—			
Pounds	80,977,605	66,468,331	82,117,964
Value	$11,185,062	$7,956,169	$7,314,614
Edible offal and all other fresh meat—			
Pounds	4,837,606	1,290,842	1,000
Value	$309,785	$81,814	$40
Cured meat:			
Beef, pickled, and other cured—			
Pounds	6,804,751	4,745,224	2,294,690
Value	$1,078,836	$605,657	$116,071
Pork, pickled, and other cured—			
Pounds	119,834,341	122,689,181	167,090,994
Value	$16,541,132	$15,044,381	$14,414,435
Sausage:			
Pounds	27,854,557	23,074,968	17,501,829
Value	$4,289,953	$2,357,348	$1,435,539
Lard:			
Pounds	66,849,628	60,840,711	84,617,813
Value	$7,226,817	$7,159,116	$6,393,846
Tallow and oleo stock:			
Pounds	[2] 1,276,789	2,775,149	(3)
Value	[2] $69,109	$172,280	(3)
Stearin:			
Pounds	1,015,017	1,138,765	(3)
Value	$81,550	$117,327	(3)
Sausage casings:			
Pounds	559,808	(3)	(3)
Value	$173,453	(3)	(3)
Fertilizer materials:			
Tons	2,380	8,441	3,684
Value	$78,423	$229,019	$88,632
Hides and pelts:			
Cattle—			
Number	79,615		
Pounds	4,487,917		
Value	$719,169	191,837	154,654
Calf—		4,672,435	6,149,456
Number	107,324	$686,312	$577,076
Pounds	970,055		
Value	$210,394		
Sheep—			
Number	370,835	341,956	423,080
Value	$135,327	$190,214	$144,222
All other products, value	$2,417,504	$2,727,742	$1,722,387

[1] Includes cost of all other animals.
[2] No oleo stock reported in 1914.
[3] Included in "all other products."

Of the 46 establishments reported for the industry as a whole in 1914, 7 were engaged in both slaughtering and meat packing, 8 in meat packing only, and 31 in slaughtering only. The value of the output of these three branches represented 72.7 per cent, 8.8 per cent, and 18.6 per cent, respectively, of the total for the combined industry.

Leather, tanned, curried, and finished.—Table 36 gives, for 1914, 1909, and 1904, the quantity and cost of the different kinds of materials used, and the quantity and value of the principal products reported for this industry. For the purpose of comparison, upper, fancy, glove, patent, bookbinders', and chamois leather are classed under the kind of skins used in their manufacture.

Table 36	1914	1909	1904
MATERIALS.			
Total cost	$33,194,061	$28,765,508	$23,040,897
Cattle hides:			
Number	764,636	1,251,036	1,126,634
Cost	$5,205,907	$6,603,898	$4,789,002
Skins:			
Calf and kip—			
Number	5,630,003	5,439,226	4,009,400
Cost	$11,039,546	$7,910,409	$4,673,907
Goat and kid—			
Number	5,137,413	6,299,952	7,493,124
Cost	$3,343,748	$3,935,024	$3,987,947
Sheep and lamb—			
Number	16,912,063	8,730,684	8,429,136
Cost	$7,297,749	$3,277,748	$3,188,877
All other raw stock, cost	$428,889	$129,705	$36,632
Purchased rough leather used, cost	$852,156	$2,018,080	$1,893,843
Fuel and rent of power, cost	$615,959	$607,523	$342,178
All other materials, cost	$4,410,107	$4,283,121	$4,128,511
PRODUCTS.			
Total value	$45,265,434	$40,002,079	$33,352,999
Leather:			
Cattle side upper (other than patent)—			
Sides	989,809	1,509,748	1,881,547
Value	$2,810,363	$4,174,700	$4,180,031
Calf and kip skins—			
Number	5,549,931	5,457,771	4,041,330
Value	$13,276,767	$10,967,162	$7,463,088
Goat and kid skins—			
Number	4,483,286	5,837,401	6,878,955
Value	$4,257,801	$4,852,505	$5,277,991
Sheep and lamb skins—			
Number	16,032,940	8,162,771	6,892,980
Value	$9,617,000	$4,254,219	$3,900,146
Sold in the rough, value	$357,829	$442,439	$179,152
All other leather, value	$7,294,828	$9,042,301	$6,773,052
All other products, value	$2,068,790	$1,499,596	$2,851,199
Work on materials for others, value	$5,582,056	$4,769,157	$2,728,340

There was a decrease in the number of hides reported of 486,400, or 63.6 per cent, for the period 1909–1914. The number of hides treated during 1914 formed but 4.4 per cent of the total reported for the United States, and in 1909, 6.8 per cent. On the other hand, in 1914, 35 per cent, and in 1909, 27.6 per cent of the calf and kip skins tanned in the United States were treated in the Massachusetts tanneries, while the proportion for goat and kid skins was 13.6 per cent in 1914, and 13.1 per cent in 1909, and for sheep and lamb skins 42.2 per cent and 33.5 per cent, respectively. The number of skins reported also shows an increase over previous censuses. This increase was mainly in sheep and lamb skins, though calf and kip skins show an increase. There was, however, a large decrease in goat and kid skins.

In 1914 the value of products of this industry in Massachusetts, $45,265,434, represented 12.3 per cent of the total shown for the industry in the United States. The corresponding percentages for 1909, 1904, and 1899 were 12.2, 13.2, and 12.8, respectively.

"All other leather" includes patent leather made from 1,018,744 cattle sides, valued at $3,940,053; 1,773,507 finished splits, valued at $2,169,696; and other leather, including, case, bag, and strap, belting, and sole leather, to the value of $1,185,079.

The amount received for tanning, currying, or finishing for others was 17 per cent greater in 1914 than in 1909 and 104.6 per cent greater than in 1904.

Table 37 gives, for 1914, the quantities and values for a number of products of the leather industry for which separate statistics were not compiled at prior censuses.

Table 37 KIND.	Unit.	Quantity.	Value.
Upper leather			$20,777,166
Calf and kip	Skins	5,058,153	12,322,305
Goat and kid	Skins	2,309,320	1,881,982
Sheep and lamb	Skins	10,030,330	6,321,549
Cabretta and kangaroo	Skins	169,750	251,330
Patent leather			6,302,820
Cattle	Sides	1,018,744	3,940,053
Calf, goat, and sheep	Skins	2,279,225	2,326,161
All other			36,606
Fancy leather			1,451,869
Calf and goat	Skins	308,107	481,596
Sheep and lamb	Skins	972,432	970,273
Finished splits			2,169,696
Whole side splits	Sides	1,764,971	2,164,119
Butt splits	Butts	8,536	5,577
Case, bag, and strap; glove; upper, horse; bookbinders'; and chamois leather			1,285,825

Table 38 shows, for 1914, 1909, and 1904, the quantity and estimated value after treatment of hides, skins, and splits tanned, curried, or finished, for others who were not tanners, curriers, or finishers, by the establishments engaged in this industry in Massachusetts.

Table 38 KIND.	1914	1909	1904
Total estimated value of stock after treatment	$20,185,016	$13,324,293	$10,091,036
Hides tanned:			
Number	105,701	90,591	218,377
Estimated value	$1,014,429	$647,084	$1,332,870
Skins tanned:			
Number	4,846,137	1,315,017	3,459,516
Estimated value	$4,260,312	$761,784	$1,808,814
Curried or finished:			
Sides—			
Number	1,817,359	1,115,217	1,070,387
Estimated value	$7,512,109	$4,312,216	$2,701,279
Splits—			
Number	1,219,191	740,889	336,988
Estimated value	$903,787	$936,778	$394,666
Skins—			
Number	8,378,063	9,818,397	6,290,135
Estimated value	$6,494,379	$6,666,431	$3,853,407

The total estimated value of stock after treatment increased by $6,860,723, or 51.5 per cent, during the five-year period 1909–1914. The number, both of hides and skins tanned in 1914, was greater than in 1909, and increases are shown in the number of sides and splits curried and finished.

Paper and wood pulp.—This industry in Massachusetts consists almost entirely in the manufacture of paper, only one establishment producing wood pulp for sale and three manufacturing it for their own use. The following table gives the quantities and cost of materials used, the quantities and values of the principal products, and detailed information regarding equipment, for the years 1914, 1909, and 1904.

Table 39	1914	1909	1904
MATERIALS.			
Total cost	$26,610,748	$22,349,613	$17,946,726
Pulp wood:			
Cords	45,242	(1)	46,998
Cost	$332,908	$357,888	$338,044
Wood pulp, purchased, total:			
Tons	181,267	143,905	120,937
Cost	$8,702,013	$6,762,838	$5,048,371
Ground—			
Tons	11,343	12,191	14,980
Cost	$328,930	$277,421	$302,997
Soda fiber—			
Tons	44,102	38,434	39,991
Cost	$1,979,288	$1,731,456	$1,712,642
Sulphite fiber—			
Tons	113,036	91,103	63,313
Cost	$5,823,339	$4,654,074	$2,908,553
Sulphate fiber [2]—			
Tons	12,786	2,177	2,653
Cost	$570,456	$99,887	$124,179
Rags, including cotton and flax waste and sweepings:			
Tons	79,307	93,558	99,468
Cost	$5,181,974	$4,859,936	$4,837,815
Old and waste paper:			
Tons	137,716	106,216	60,424
Cost	$2,375,667	$1,861,709	$1,009,927
Manila stock, including jute bagging, rope, waste, threads, etc.:			
Tons	15,424	17,515	14,339
Cost	$672,480	$660,065	$437,761
Fuel and rent of power, cost	$2,721,645	$2,331,897	$1,815,681
All other materials, cost	$6,624,061	$5,515,280	$4,459,127
PRODUCTS.			
Total value	$43,352,545	$40,096,713	$32,012,247
Book, cover, plate, and coated paper:			
Tons	150,372	125,269	100,004
Value	$13,189,216	$10,500,994	$8,079,720
Writing and other fine paper:			
Tons	86,876	89,595	80,775
Value	$17,879,504	$17,438,568	$14,971,411
Wrapping paper:			
Tons	13,848	16,362	16,150
Value	$1,685,619	$1,900,385	$1,417,915
Boards:			
Tons	59,157	53,233	27,020
Value	$2,196,686	$2,065,865	$1,338,346
All other products, value	$8,401,520	$8,190,901	$6,204,855
EQUIPMENT.			
Paper machines:			
Fourdrinier—			
Number	160	150	157
Capacity, tons, 24 hours	1,118	920	862
Cylinder—			
Number	43	65	44
Capacity, tons, 24 hours	550	454	264
Digesters, number	17	17	17
Grinders, number	10	11	18
Yearly capacity of mills in pulp, tons	33,556	24,401	31,110
Yearly capacity of mills in paper, tons	497,520	410,536	331,680

[1] Not reported. [2] Reported in 1909 and 1904 as "other chemical fiber."

Wood pulp was the principal material used in 1914. Rags, including cotton waste and sweepings, was next in importance in value, although greatly exceeded in tonnage by old or waste paper. There was, however, a decided decrease in the quantity of rags used in 1914 as compared with 1904 and 1909. On the other hand, the quantity of old or waste paper used in 1914 was more than twice as great as that reported for 1904. Of the different kinds of wood pulp used at the last census, sulphite fiber was the most important. The item "all other materials," which amounted to $6,624,061 in 1914, includes the cost of chemicals, sizing, dyestuffs, clay, freight, and mill supplies.

Writing and other fine paper were the principal products of the industry in the state at each census, forming 41.2 per cent of the total value of all products in 1914. Book paper was the next in importance, representing 30.4 per cent of all products at the last census. In 1914 Massachusetts produced 35.1 per cent of the total quantity of fine paper manufactured in the United States. In 1909 the corresponding proportion was 45.2 per cent and in 1904, 55 per cent. The production of wrapping paper decreased in quantity in 1914 as compared with 1909 and 1904, although the value for the last census year shows a small increase over 1904. To avoid disclosing the data reported by individual establishments, it was necessary to include the value of news paper, hanging paper, tissues, cardboard, bristol board, card middles, etc., blotting paper, and wood pulp produced for sale in the item "all other products."

Laundries.—Statistics for power laundries are not included in the general tables or in the totals for all manufacturing industries. Table 40, however, summarizes these statistics for Massachusetts for 1914 and 1909.

Table 40	POWER LAUNDRIES.		
	Number or amount.		Per cent of increase, 1909-1914.
	1914	1909	
Number of establishments	391	280	39.6
Persons engaged	8,861	6,655	33.1
Proprietors and firm members	404	313	29.1
Salaried employees	686	384	78.6
Wage earners (average number)	7,771	5,958	30.4
Primary horsepower	11,382	6,802	67.3
Capital	$4,695,798	$2,951,025	59.1
Salaries and wages	4,434,869	2,918,919	51.9
Salaries	713,460	336,326	112.1
Wages	3,721,409	2,582,593	44.1
Paid for contract work	59,706	26,157	128.3
Rent and taxes	275,427	166,365	65.6
Cost of materials	1,391,900	903,845	54.0
Amount received for work done	8,661,830	5,754,572	50.5

In 1914 Massachusetts ranked fifth among the states in amount received for work done and in number of persons engaged in the industry. The table shows increases in all the items given, those in receipts for work done and in average number of wage earners amounting to 50.5 per cent and 30.4 per cent, respectively. Establishments owned by individuals reported

33.3 per cent of the amount received for work done; those owned by corporations, 51.1 per cent; and those under other forms of ownership, 15.6 per cent.

Table 41 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 41

MONTH.	WAGE EARNERS.			
	Number.		Per cent of maximum	
	1914	1909	1914	1909
January	7,702	5,671	96.5	91.0
February	7,694	5,668	96.4	90.9
March	7,686	5,677	96.3	91.0
April	7,781	5,734	97.5	92.0
May	7,859	5,839	98.5	93.6
June	7,982	6,039	100.0	96.9
July	7,900	6,226	99.0	99.9
August	7,773	6,136	97.4	98.4
September	7,774	6,235	97.4	100.0
October	7,798	6,113	97.7	98.0
November	7,685	6,066	96.3	97.3
December	7,625	6,096	95.5	97.8

Table 42 gives statistics as to kinds and amounts of power used in the laundries of the state in 1914 and 1909, together with percentages of increase for the five-year period.

Table 42

KIND.	NUMBER OF ENGINES OR MOTORS.		HORSEPOWER.		
			Amount.		Per cent of increase,[1] 1909–1914.
	1914	1909	1914	1909	
Primary power, total	611	328	11,382	6,802	67.3
Owned	288	218	9,287	5,702	62.9
Steam	273	209	8,902	5,514	61.4
Internal-combustion	11	7	310	78	.....
Water wheels and motors	4	2	75	110	−31.8
Rented	323	110	2,095	1,100	90.4
Electric	323	110	1,508	666	126.4
Other	.....	.....	587	434	35.3
Electric—Generated by establishments reporting	.....	.....	926	3,413	−72.9

A minus sign (−) denotes decrease: percentage omitted where base is less than 100.

Table 43 shows the kinds and quantities of fuel used in the laundries as reported at the censuses of 1914 and 1909, with percentages of increase.

Table 43

KIND.	Unit.	QUANTITY.		Per cent of increase,[1] 1909–1914.
		1914	1909	
Anthracite coal	Tons, 2,240 lbs	9,100	7,051	29.1
Bituminous coal	Tons, 2,000 lbs	59,930	37,423	60.1
Coke	Tons, 2,000 lbs	3,777	2,211	70.8
Oil, including gasoline, etc	Barrels	377	57	.....
Gas	1,000 cubic feet	25,777	30,452	−15.4

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

GENERAL TABLES.

Table 44 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 45 presents, for 1914, in the state as a whole and in cities with 50,000 inhabitants or more, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments; and for the cities having from 10,000 to 50,000 inhabitants, for all industries combined.

TABLE 44.—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	12,013	606,698	1,396,722	$341,310	$931,384	$1,641,373
	1909	11,684	584,559	1,175,071	301,173	830,765	1,490,529
	1904	10,723	488,399	938,007	232,389	626,410	1,124,092
Automobiles, including bodies and parts.	1914	66	3,439	4,298	3,016	5,642	11,199
	1909	62	4,138	2,896	2,793	5,491	11,359
	1904	18	1,100	909	709	1,268	2,663
Belting, leather	1914	20	1,113	1,386	764	4,980	7,297
	1909	16	955	897	555	3,666	5,647
	1904	12	177	206	104	805	1,108
Blacking and cleansing and polishing preparations.	1914	93	572	574	302	2,083	3,841
	1909	80	527	892	257	1,879	3,713
	1904	74	393	875	186	1,396	2,524
Boots and shoes, including cut stock and findings.	1914	884	85,114	39,721	51,007	164,242	255,188
	1909	860	83,063	35,051	45,990	152,990	236,343
	1904	893	70,148	24,536	36,175	110,610	173,680
Boots and shoes, rubber.	1914	9	8,087	8,177	$4,468	$10,455	$23,789
	1909	8	6,928	8,330	3,376	10,640	18,722
	1904	7	7,674	8,987	3,754	13,178	39,035
Boxes, fancy and paper.	1914	97	4,244	3,393	1,886	3,672	7,085
	1909	99	3,838	2,370	1,557	2,719	5,758
	1904	88	3,026	1,870	1,059	1,602	3,636
Brass, bronze, and copper products.	1914	73	1,620	7,415	1,063	3,715	5,959
	1909	85	1,791	6,407	1,115	3,663	6,042
	1904	[1] 75	1,559	1,248	863	1,702	3,362
Bread and other bakery products.	1914	1,419	8,083	6,589	4,866	18,271	32,309
	1909	1,201	6,697	4,316	3,814	15,727	26,146
	1904	1,108	5,552	1,841	3,072	10,721	18,660
Brushes	1914	29	1,437	878	717	2,231	3,910
	1909	30	1,629	580	653	1,356	2,875

[1] Excludes statistics for one establishment, to avoid disclosure of indiv idual operations.

TABLE 44.—COMPARATIVE SUMMARY FOR 1914, 1909, AND 1904—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments.	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands.)	Cost of materials. (Expressed in thousands.)	Value of products. (Expressed in thousands.)
Canning and preserving	1914	[1] 65	1,903	996	$866	$5,606	$8,169
	1909	71	1,449	1,043	642	4,583	6,840
	1904	85	1,342	570	572	4,815	6,574
Carpets and rugs, other than rag.	1914	12	5,319	10,600	2,389	6,668	10,981
	1909	11	5,954	10,037	2,763	7,501	12,812
	1904	10	5,179	7,875	2,188	6,703	9,714
Carriages and sleds, children's.	1914	8	1,175	1,130	660	1,460	2,644
	1909	7	858	845	411	955	1,755
	1904	5	593	.....	313	438	940
Carriages and wagons and materials.	1914	175	1,348	1,953	781	1,140	2,822
	1909	177	1,539	2,038	986	1,282	3,185
	1904	305	2,530	2,807	1,541	2,030	4,922
Cars and general shop construction and repairs by electric-railroad companies.	1914	39	1,705	235	1,373	1,204	2,566
	1909	46	1,708	1,788	1,096	975	2,140
	1904	6	903	.....	602	384	993
Cars and general shop construction and repairs by steam-railroad companies.	1914	15	6,264	8,287	4,394	4,197	8,830
	1909	21	5,162	5,697	3,447	3,976	7,804
	1904	22	4,004	2,576	2,522	3,600	6,349
Chemicals	1914	24	1,395	5,405	955	3,355	6,685
	1909	24	1,358	3,731	811	3,048	5,916
	1904	17	864	3,302	506	1,520	3,526
Clothing, men's, including shirts.	1914	227	7,645	1,695	3,853	10,415	19,614
	1909	254	7,335	1,753	3,398	9,756	18,314
	1904	187	5,263	1,354	2,311	8,076	14,913
Clothing, women's	1914	202	6,076	1,202	2,966	7,664	13,983
	1909	174	5,813	1,024	2,446	6,511	11,728
	1904	142	4,693	736	1,742	4,789	8,696
Coffee and spice, roasting and grinding.	1914	21	466	1,312	265	6,312	8,675
	1909	17	373	996	201	4,082	5,806
	1904	21	319	.....	176	2,753	3,657
Confectionery	1914	148	6,787	5,281	2,715	12,287	20,131
	1909	117	5,548	4,278	1,860	9,189	15,266
	1904	93	4,167	2,085	1,302	5,508	9,318
Cooperage and wooden goods, not elsewhere specified.	1914	53	955	2,914	529	1,157	2,061
	1909	70	974	2,863	452	1,094	1,939
	1904	74	1,165	4,498	547	1,084	2,120
Copper, tin, and sheet-iron products.	1914	[2] 159	2,688	2,791	1,663	3,510	7,347
	1909	150	2,627	1,808	1,481	2,933	6,185
	1904	112	1,789	1,043	977	1,907	4,128
Cordage and twine and jute and linen goods.	1914	20	7,614	33,221	3,108	17,348	23,280
	1909	29	6,319	24,669	2,446	10,681	15,979
	1904	[3] 24	4,232	11,140	1,480	10,753	14,263
Corsets	1914	11	2,298	690	906	1,902	4,581
	1909	10	1,989	455	735	1,607	3,752
	1904	9	1,348	402	477	771	1,940
Cotton goods, including cotton small wares.	1914	189	113,559	438,083	50,706	119,834	197,322
	1909	182	108,914	362,043	45,117	105,157	186,462
	1904	161	88,640	296,244	32,555	80,268	130,069
Cutlery and tools, not elsewhere specified.	1914	137	6,485	12,728	3,903	3,394	12,974
	1909	135	6,747	13,263	3,738	3,484	11,611
	1904	136	5,226	11,275	2,769	2,573	8,233
Dyeing and finishing textiles.	1914	57	11,437	30,932	5,843	10,989	22,455
	1909	48	9,079	24,513	4,430	10,469	21,893
	1904	46	7,508	19,242	3,262	4,179	11,049
Electrical machinery, apparatus, and supplies.	1914	91	17,125	29,846	10,651	17,697	43,869
	1909	83	14,507	14,835	8,209	12,735	28,143
	1904	72	8,798	9,341	5,003	7,324	15,882
Emery and other abrasive wheels.	1914	12	902	2,214	599	866	2,299
	1909	13	615	1,710	429	564	1,982
	1904	10	408	666	241	311	1,001
Fancy articles, not elsewhere specified.	1914	[4] 67	2,777	2,457	1,383	2,857	5,342
	1909	78	3,558	2,382	1,630	3,514	6,618
	1904	68	2,429	1,583	1,011	1,984	3,824
Firearms	1914	6	2,161	1,990	1,461	711	3,297
	1909	8	2,327	3,059	1,458	752	3,408
	1904	[5] 8	2,799	12,848	1,692	858	4,011
Flour-mill and gristmill products.	1914	105	176	4,900	$101	$3,424	$3,811
	1909	120	229	5,642	126	4,131	4,632
	1904	142	277	9,363	154	4,113	4,618
Food preparations, not elsewhere specified.	1914	68	469	1,032	280	1,953	4,043
	1909	50	366	827	198	1,292	2,547
	1904	58	498	1,015	230	1,170	2,503
Foundry and machine-shop products.	1914	[6] 932	41,361	68,518	28,118	30,990	85,639
	1909	857	44,179	52,802	27,032	31,182	86,926
	1904	777	35,844	43,038	20,834	24,426	63,750
Furnishing goods, men's.	1914	[7] 43	3,316	1,727	1,582	4,370	7,592
	1909	55	4,260	2,306	1,952	6,652	12,030
	1904	27	921	388	348	1,334	2,389
Furniture and refrigerators.	1914	145	6,954	10,919	4,084	5,858	14,281
	1909	155	7,277	12,203	3,986	5,808	13,868
	1904	136	6,625	8,724	3,362	5,346	11,360
Gas, illuminating and heating.	1914	61	3,182	11,462	2,141	5,951	15,752
	1909	64	2,292	7,371	1,250	3,810	11,074
	1904	64	1,847	5,444	1,091	3,097	8,036
Glue, not elsewhere specified.	1914	11	563	1,481	294	1,789	2,589
	1909	14	509	2,151	223	1,159	1,895
	1904	14	369	.....	184	867	1,462
Grease and tallow, not including lubricating greases.	1914	33	622	1,244	420	1,829	2,668
	1909	35	561	1,374	347	1,753	2,661
	1904	41	624	.....	357	2,044	3,022
Hats, straw	1914	19	2,383	1,857	1,451	3,205	5,762
	1909	18	2,668	1,009	1,448	3,680	6,589
	1904	15	1,722	629	826	2,004	3,326
Hosiery and knit goods	1914	77	10,635	12,309	4,737	9,267	17,419
	1909	65	9,941	9,113	3,855	6,972	14,736
	1904	62	8,119	10,390	2,842	5,021	10,095
Iron and steel, steel works and rolling mills.	1914	11	2,889	28,507	1,903	8,802	11,376
	1909	9	3,115	24,500	1,977	10,032	13,568
	1904	5	4,544	28,210	2,593	6,902	11,948
Iron and steel, bolts, nuts, washers, and rivets.	1914	8	1,292	2,073	764	1,041	2,267
	1909	10	1,217	2,233	703	968	2,427
	1904	9	1,036	.....	542	741	2,044
Iron and steel forgings	1914	10	683	1,826	523	839	2,076
	1909	11	565	1,459	381	925	1,949
	1904	11	325	.....	209	333	751
Iron and steel, nails and spikes, cut and wrought, including wire nails.	1914	28	1,233	3,308	698	1,421	2,847
	1909	26	1,125	2,870	576	1,510	2,928
	1904	36	1,231	.....	607	1,489	2,840
Jewelry	1914	202	6,505	4,272	3,889	6,710	14,176
	1909	175	7,423	4,018	4,422	5,579	15,211
	1904	131	5,626	2,305	2,820	3,733	10,074
Leather goods	1914	[8] 119	1,430	444	785	2,219	4,023
	1909	119	1,710	634	859	2,387	4,373
	1904	88	1,497	655	666	1,699	3,246
Leather, tanned, curried, and finished.	1914	126	10,164	26,534	5,918	33,194	45,265
	1909	132	10,252	19,231	5,444	28,766	40,002
	1904	132	9,074	15,303	4,556	23,041	33,353
Liquors, distilled	1914	7	93	473	82	1,234	4,790
	1909	6	49	366	36	687	2,755
	1904	6	33	240	25	316	1,299
Liquors, malt	1914	26	2,106	12,100	1,992	4,920	15,608
	1909	37	1,739	9,917	1,481	3,593	12,724
	1904	37	1,525	7,841	1,328	3,244	11,081
Lumber and timber products.	1914	[9] 589	8,156	42,493	5,075	13,177	23,012
	1909	708	8,976	44,784	5,031	12,484	23,026
	1904	618	8,501	37,851	4,501	11,195	20,308
Marble and stone work	1914	306	3,858	15,460	2,889	1,885	6,734
	1909	330	5,015	16,515	3,552	2,192	7,804
	1904	228	5,620	11,563	3,428	1,768	7,684
Mattresses and spring beds.	1914	54	740	1,032	376	1,456	2,502
	1909	52	667	592	336	1,297	2,227
	1904	43	629	577	283	1,323	2,179

[1] Includes "canning and preserving, fish;" "canning and preserving, fruits and vegetables;" and "pickles, preserves, and sauces."
[2] Includes "stamped ware" and "tinware, not elsewhere specified."
[3] Excludes statistics for one establishment, to avoid disclosure of individual operations.
[4] Includes "combs and hairpins, not made from metal or rubber" and "ivory, shell, and bone work, not including combs and hairpins."
[5] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[6] 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;" "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 "pocketbooks;" "saddlery and harness;" and "trunks and valises."
[9] Includes "boxes, wooden packing;" "lumber, planing-mill products, not including planing mills connected with sawmills;" and "window and door screens and weather strips."

TABLE 44.—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.		
Millinery and lace goods.	1914	69	2,026	451	$940	$2,886	$4,919
	1909	79	1,686	391	667	2,282	3,977
	1904	51	2,503	372	1,047	2,850	4,797
Mineral and soda waters..	1914	171	508	855	333	1,075	2,442
	1909	145	525	657	313	803	2,193
	1904	119	475	890	274	754	1,789
Motorcycles, bicycles, and parts.	1914	6	2,135	2,104	1,567	3,194	7,021
	1909	10	843	899	580	1,378	2,706
	1904	8	344	645	180	289	582
Musical instruments, pianos and organs and materials.	1914	52	3,906	5,105	2,510	3,702	8,213
	1909	59	4,245	4,454	2,668	4,149	9,106
	1904	55	4,171	3,381	2,488	3,114	8,279
Oil, not elsewhere specified.	1914	16	303	885	197	2,239	2,975
	1909	17	293	617	174	2,273	2,864
	1904	24	155	.....	98	1,457	1,803
Optical goods.....	1914	13	2,356	3,048	1,390	1,196	3,993
	1909	11	2,460	2,230	1,103	1,163	3,058
	1904	6	1,791	1,332	746	1,012	2,282
Paint and varnish.....	1914	34	490	1,411	302	2,622	4,876
	1909	41	428	1,819	251	2,075	3,469
	1904	33	446	1,536	237	1,630	2,574
Paper and wood pulp....	1914	86	13,401	133,860	7,549	26,611	43,353
	1909	88	12,848	115,792	6,542	22,350	40,097
	1904	87	11,705	104,954	5,588	17,947	32,012
Paper goods, not elsewhere specified.	1914	[1] 60	5,829	8,621	2,918	8,687	15,579
	1909	61	5,135	6,776	2,344	7,436	13,533
Patent medicines and compounds and druggists' preparations.	1914	[2] 162	1,381	1,586	696	3,323	8,263
	1909	154	1,183	1,376	566	2,727	7,432
	1904	134	1,196	1,148	542	3,266	8,035
Printing and publishing.	1914	[3] 1,344	18,170	20,295	13,266	16,817	56,196
	1909	1,279	17,532	47,629	11,684	12,881	47,445
	1904	1,144	15,112	11,785	9,064	10,918	39,274
Rubber goods, not elsewhere specified.	1914	42	4,743	17,515	2,845	14,142	23,011
	1909	29	3,418	10,123	1,769	11,005	15,796
	1904	47	5,003	10,441	2,208	8,829	14,098
Silk goods, including throwsters.	1914	19	4,495	6,635	2,092	5,961	10,677
	1909	19	4,109	5,305	1,840	5,430	8,942
	1904	18	3,261	4,221	1,162	4,157	7,012
Silverware and plated ware.	1914	17	2,163	2,730	1,468	2,228	5,542
	1909	21	2,465	2,113	1,725	2,728	6,539
	1904	26	1,942	1,766	1,150	2,115	4,897
Slaughtering and meat packing.	1914	[4] 107	3,582	6,742	$2,141	$47,476	$54,447
	1909	94	3,325	4,844	1,837	38,886	44,403
	1904	80	3,027	3,396	1,595	33,881	38,012
Soap.....	1914	32	460	1,400	260	2,476	4,671
	1909	38	458	1,379	227	2,377	4,283
	1904	36	455	.....	205	1,472	2,515
Sporting and athletic goods.	1914	15	1,275	1,188	767	1,984	3,424
	1909	18	891	870	474	1,235	2,510
	1904	15	965	.....	381	736	1,614
Stationery goods, not elsewhere specified.	1914	27	2,467	1,282	1,248	3,552	6,512
	1909	21	1,790	924	778	2,395	4,524
	1904	10	813	.....	234	758	1,372
Stoves, hot-air furnaces, and ranges.	1914	13	1,446	1,961	1,116	893	2,984
	1909	21	1,703	1,804	1,239	1,079	3,542
	1904	19	1,558	1,232	1,024	1,061	3,724
Tobacco manufactures...	1914	336	3,926	339	3,110	3,811	9,269
	1909	417	3,551	251	2,506	2,921	7,888
	1904	348	3,575	28	2,331	2,492	6,578
Toys and games.....	1914	18	1,381	1,119	636	1,129	2,536
	1909	16	1,051	745	447	859	1,751
	1904	14	656	.....	252	325	839
Waste.....	1914	11	800	1,950	309	3,338	3,780
	1909	9	654	1,324	271	2,564	3,335
	1904	8	478	.....	190	2,793	3,296
Whips.....	1914	21	996	758	493	1,168	2,804
	1909	29	1,005	645	489	1,072	2,774
	1904	26	866	358	376	763	1,936
Wire.....	1914	8	2,899	15,142	2,005	4,656	8,389
	1909	10	3,718	10,498	2,218	5,538	9,580
	1904	5	605	.....	329	1,039	1,617
Wirework, including woven-wire fencing.	1914	30	1,950	2,648	1,079	2,331	4,878
	1909	31	1,578	1,468	809	1,499	3,232
	1904	42	1,990	.....	919	1,897	3,709
Woolen, worsted, and felt goods.	1914	171	54,255	143,461	27,363	83,077	130,349
	1909	[5] 183	53,873	117,119	24,593	87,976	[5] 141,967
	1904	190	44,050	88,896	18,137	62,778	99,314
All other industries.....	1914	1,725	38,752	91,267	24,550	79,412	134,534
	1909	1,570	35,338	64,533	19,548	63,846	111,488
	1904	1,610	40,942	88,031	20,136	58,361	103,974

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.
BOSTON—All industries.[6]	1914	3,138	78,804	85,897	$49,444	$150,568	$284,802
	1909	3,195	73,957	77,275	42,386	127,928	244,793
	1904	2,797	63,151	.....	33,893	98,184	191,090
Belting, leather.....	1914	4	52	53	36	623	904
	1909	5	46	43	35	513	698
	1904	5	42	.....	33	320	453
Blacking and cleansing and polishing preparations.....	1914	27	141	178	79	537	1,127
	1909	23	125	114	67	417	820
	1904	21	91	.....	52	519	877
Boots and shoes, including cut stock and findings.....	1914	51	7,421	4,158	4,029	19,479	27,163
	1909	43	6,116	2,062	3,046	19,835	26,147
	1904	[7] 32	3,985	.....	1,601	8,049	11,414
Boxes and cartons, paper.	1914	19	725	308	308	364	882
	1909	21	964	414	362	558	1,213
	1904	22	819	.....	266	358	887
Brass, bronze, and copper products.....	1914	27	185	266	141	233	500
	1909	33	333	244	224	363	806
	1904	33	404	.....	240	410	855
Bread and other bakery products.....	1914	312	2,701	2,235	1,547	5,830	11,413
	1909	285	1,999	6,663	1,068	4,825	8,109
	1904	269	1,301	.....	805	2,981	4,998
BOSTON—Con. Canning and preserving.	1914	[8] 23	444	594	$233	$1,688	$2,633
	1909	21	323	577	140	1,383	1,951
	1904	20	263	.....	117	1,378	1,922
Carriages and wagons and materials.	1914	31	339	375	247	288	694
	1909	26	298	450	204	222	582
	1904	53	451	.....	297	317	874
Cars and general shop construction and repairs by steam-railroad companies.	1914	5	3,628	2,944	2,443	2,410	5,024
	1909	6	1,172	291	768	652	1,536
	1904	7	944	.....	661	622	1,339
Clothing, men's, including shirts.	1914	181	4,758	1,043	2,633	7,687	14,080
	1909	196	4,479	1,086	2,286	7,756	14,535
	1904	134	3,277	.....	1,577	6,235	11,580
Clothing, women's.....	1914	139	3,964	686	2,144	5,126	9,609
	1909	122	3,540	491	1,649	4,306	7,842
	1904	99	2,733	.....	1,073	3,147	5,705
Confectionery.....	1914	61	5,064	3,923	1,997	8,861	14,796
	1909	54	4,137	2,797	1,344	6,117	10,341
	1904	41	2,823	.....	852	3,738	6,210
Copper, tin, and sheet-iron products.	1914	[9] 75	1,397	946	904	2,106	4,144
	1909	85	1,702	845	990	1,870	3,925
	1904	62	1,235	.....	663	1,351	2,878

[1] Includes "envelopes."
[2] Includes "perfumery and cosmetics."
[3] Includes "bookbinding and blank-book making;" "engraving, steel and copper plate, including plate printing;" and "lithographing."
[4] Includes "sausage."
[5] Includes "wool-felt hats."
[6] The totals for "all industries" include statistics for Hyde Park, which was annexed to Boston Jan. 1, 1912. Figures for the separate industries for 1914 include Hyde Park, but those for 1909 and 1904 are included in "all other industries," to avoid disclosure of individual operations.
[7] Excludes statistics for two establishments, to avoid disclosure of individual operations.
[8] Includes "canning and preserving, fish" and "pickles, preserves, and sauces."
[9] Includes "tinware, not elsewhere specified."

TABLE 44.—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.)
BOSTON—Con.							
Electrical machinery, apparatus, and supplies.	1914	30	1,481	1,829	$914	$1,414	$3,635
	1909	27	1,380	1,502	700	1,003	3,028
	1904	23	544	.....	259	393	1,127
Foundry and machine-shop products.	1914	[1] 225	8,041	10,413	5,742	6,628	18,259
	1909	211	6,323	6,886	4,190	5,100	13,474
	1904	180	6,554	.....	4,088	5,147	13,336
Furniture and refrigerators.	1914	53	872	792	634	1,128	2,551
	1909	64	943	822	617	1,159	2,654
	1904	60	1,181	.....	703	1,012	2,404
Gas and electric fixtures and lamps and reflectors...	1914	12	129	113	92	141	404
	1909	16	178	131	133	212	464
	1904	18	211	.....	126	147	441
Hosiery and knit goods..	1914	10	770	291	310	1,005	1,596
	1909	8	729	168	253	583	1,026
	1904	6	237	.....	76	147	298
Instruments, professional and scientific....	1914	12	484	589	332	378	891
	1909	15	344	221	235	225	781
	1904	10	284	.....	131	111	369
Jewelry.....	1914	39	250	112	186	386	866
	1909	32	303	82	189	248	710
	1904	16	191	.....	106	175	456
Leather goods.....	1914	[2] 40	352	132	224	691	1,245
	1909	45	558	152	280	797	1,434
	1904	[3] 27	270	.....	137	349	734
Liquors, malt.....	1914	13	1,225	5,951	1,149	2,594	8,836
	1909	20	1,126	4,799	1,019	1,957	7,554
	1904	23	951	.....	844	1,827	6,715
Lumber and timber products.	1914	[4] 56	859	2,970	641	1,680	2,903
	1909	67	1,034	3,295	727	1,538	3,027
	1904	[5] 62	1,031	.....	670	1,176	2,432
Marble and stone work..	1914	24	455	1,166	366	436	1,037
	1909	31	581	1,146	459	453	1,152
	1904	[3] 17	455	.....	301	414	1,025
Mattresses and spring beds.	1914	21	531	598	263	1,115	1,887
	1909	28	496	383	248	1,048	1,770
	1904	23	394	.....	185	992	1,545
Millinery and lace goods.	1914	59	1,415	283	601	2,014	3,564
	1909	65	1,454	311	580	1,931	3,425
	1904	38	1,389	.....	520	1,376	2,439
Musical instruments, pianos and organs and materials.	1914	15	1,299	1,312	908	1,581	3,276
	1909	21	1,410	917	958	1,468	3,428
	1904	21	1,486	.....	969	1,055	3,722
Paint and varnish.....	1914	11	119	234	79	637	1,055
	1909	12	142	484	80	617	1,065
	1904	11	99	.....	58	414	687
Patent medicines and compounds and druggists' preparations.	1914	[6] 68	768	431	360	2,120	4,623
	1909	69	614	280	282	1,538	3,966
	1904	63	494	.....	218	2,125	3,946
Printing and publishing.	1914	[7] 567	7,972	9,124	6,375	9,781	33,249
	1909	564	8,257	6,248	6,033	6,962	28,021
	1904	498	6,813	.....	4,402	5,286	22,435
Slaughtering and meat packing.....	1914	[8] 26	329	625	232	5,211	6,396
	1909	24	273	313	172	3,514	4,096
	1904	[3] 18	104	.....	67	1,996	2,300
Tobacco manufactures...	1914	101	2,694	126	2,316	2,738	6,684
	1909	145	2,318	70	1,780	2,046	5,506
	1904	106	2,464	.....	1,706	1,799	4,593
All other industries.....	1914	801	17,940	31,097	10,979	53,658	88,876
	1909	811	20,260	32,988	11,268	46,712	79,707
	1904	779	19,631	.....	10,090	42,818	70,094
BROCKTON—All industries.	1914	243	16,246	10,477	$10,557	$31,664	$51,259
	1909	196	14,737	9,773	9,122	28,565	45,972
	1904	201	13,889	.....	8,838	22,553	37,791
Blacking, stains, and dressing.	1914	16	43	32	31	194	430
	1909	12	31	45	23	166	328
	1904	11	16	.....	11	98	188
Boots and shoes, including cut stock and findings.	1914	84	13,765	7,106	8,978	28,455	44,122
	1909	75	12,503	6,802	7,751	25,384	39,293
	1904	82	12,273	.....	7,853	20,902	33,853
Boxes and cartons, paper.	1914	5	174	141	77	114	233
	1909	5	214	148	89	140	329
	1904	5	223	.....	94	137	304
Bread and other bakery products.	1914	21	252	248	134	539	1,070
	1909	11	223	198	126	453	892
	1904	13	86	.....	57	175	297
Cutlery and tools, not elsewhere specified.	1914	9	72	83	62	32	135
	1909	8	102	90	85	47	204
	1904	8	50	.....	39	17	95
Foundry and machine-shop products.	1914	15	243	230	178	127	431
	1909	9	162	278	119	116	391
	1904	10	136	.....	90	83	284
Lasts.....	1914	7	241	600	181	215	584
	1909	6	170	313	124	183	539
	1904	5	147	.....	122	124	430
Lumber and timber products:.....	1914	[9] 8	96	325	72	171	328
	1909	6	102	495	63	194	340
	1904	4	61	.....	34	106	165
Printing and publishing.	1914	20	269	314	198	248	744
	1909	16	280	321	211	192	670
	1904	15	212	.....	156	158	484
All other industries.....	1914	58	1,091	1,398	646	1,569	3,182
	1909	48	950	1,083	531	1,690	2,986
	1904	48	685	.....	382	753	1,691
CAMBRIDGE—All industries.	1914	316	16,749	26,227	10,217	31,535	57,484
	1909	275	15,260	21,372	8,365	23,566	44,227
	1904	262	14,586	.....	7,494	25,117	42,407
Boxes and cartons, paper	1914	5	495	152	209	249	599
	1909	4	292	110	105	104	280
	1904	2	261	.....	77	72	193
Bread and other bakery products.	1914	40	901	1,171	512	2,071	3,954
	1909	40	801	862	440	1,961	2,962
	1904	36	881	.....	385	1,238	2,593
Carriages and wagons....	1914	4	71	81	50	49	128
	1909	4	57	49	34	39	105
	1904	12	121	.....	70	91	220
Confectionery.....	1914	15	1,141	800	436	2,204	3,286
	1909	12	700	517	218	1,172	1,910
	1904	17	677	.....	197	943	1,634
Copper, tin, and sheet-iron products.	1914	[10] 7	183	203	113	297	588
	1909	6	200	100	104	274	530
	1904	3	135	.....	72	185	374
Foundry and machine-shop products.	1914	[11] 34	1,786	3,386	1,202	1,885	5,332
	1909	25	2,260	3,176	1,430	1,761	4,789
	1904	22	2,226	.....	1,395	2,294	4,944
Furniture, wood, including rattan and willow.	1914	12	636	556	495	368	1,284
	1909	13	780	1,262	603	417	1,392
	1904	14	580	.....	416	264	1,006
Lumber and timber products.	1914	[12] 12	358	1,359	282	691	1,112
	1909	11	345	1,261	232	409	875
	1904	7	240	.....	170	397	715

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

TABLE 44.—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.)
CAMBRIDGE—Con.							
Marble and stone work	1914	10	173	607	$140	$118	$380
	1909	12	302	887	242	183	605
	1904	[1] 9	352	.....	280	254	680
Musical instruments, pianos and organs and materials.	1914	6	914	1,156	537	735	1,674
	1909	7	1,138	1,211	636	943	2,174
	1904	[2] 4	720	.....	298	398	848
Printing and publishing	1914	[3] 45	2,159	1,804	1,477	1,552	4,020
	1909	41	1,993	1,442	1,185	1,280	3,368
	1904	38	1,861	.....	1,028	1,644	4,009
Soap	1914	4	176	660	95	890	1,498
	1909	3	99	566	51	431	796
	1904	4	197	.....	79	593	1,030
All other industries	1914	122	7,756	14,292	4,669	20,426	33,629
	1909	97	6,293	9,929	3,085	14,592	24,441
	1904	94	6,335	.....	3,027	16,744	24,161
FALL RIVER—All industries.	1914	315	36,834	139,582	16,131	37,161	64,663
	1909	288	37,139	122,061	15,339	35,524	64,146
	1904	234	26,836	.....	10,099	26,096	43,473
Bread and other bakery products.	1914	88	197	86	127	610	1,017
	1909	74	217	19	127	479	796
	1904	55	162	.....	88	289	472
Cotton goods, including cotton small wares.	1914	51	30,758	124,347	13,189	20,659	49,995
	1909	45	30,407	110,975	12,106	27,563	48,576
	1904	42	21,729	.....	7,966	20,616	32,539
Foundry and machine-shop products.	1914	27	570	627	342	453	1,064
	1909	33	759	629	373	605	1,342
	1904	30	510	.....	239	277	738
Printing and publishing	1914	22	195	195	153	96	396
	1909	21	190	171	142	95	365
	1904	15	139	.....	87	66	278
Sausage	1914	8	21	27	16	145	210
	1909	7	13	10	6	76	97
All other industries	1914	119	5,093	14,300	2,304	6,198	11,981
	1909	108	5,553	10,257	2,585	6,706	12,970
	1904	92	4,296	.....	1,719	4,848	9,446
HOLYOKE—All industries.	1914	222	17,493	74,369	8,994	25,362	44,041
	1909	187	16,513	60,269	8,076	22,301	40,097
	1904	179	14,685	.....	6,693	16,579	30,731
Bread and other bakery products.	1914	33	124	40	83	313	561
	1909	27	108	24	76	275	464
	1904	27	88	.....	55	166	292
Foundry and machine-shop products.	1914	[4] 24	905	2,864	594	890	2,197
	1909	17	1,002	1,455	621	843	2,095
	1904	17	1,216	.....	703	781	2,162
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	4	182	360	137	366	641
	1909	4	131	410	71	177	362
	1904	4	99	.....	77	124	272
Paper and wood pulp, paper exclusively.	1914	21	4,684	42,582	2,487	8,272	13,179
	1909	23	4,480	39,069	2,211	7,244	12,305
	1904	19	4,039	.....	1,925	6,001	10,620
Paper goods, not elsewhere specified.	1914	5	496	1,033	282	1,258	1,932
	1909	4	417	740	204	947	1,424
	1904	3	168	.....	79	359	530
Printing and publishing	1914	[5] 31	793	368	479	473	1,697
	1909	27	736	371	371	633	1,450
	1904	28	1,043	.....	459	1,131	2,247
Stationery goods, not elsewhere specified.	1914	7	655	582	334	924	1,891
	1909	7	706	366	297	1,094	1,930
Tobacco manufactures	1914	13	64	3	42	40	118
	1909	17	73	.....	44	38	128
	1904	11	53	.....	32	41	115
All other industries	1914	84	9,590	26,537	4,556	12,826	21,825
	1909	61	8,860	17,834	4,181	11,050	19,939
	1904	70	7,979	.....	3,363	7,976	14,493
LAWRENCE—All industries.	1914	221	31,043	93,572	$15,778	$45,152	$73,178
	1909	162	30,542	73,066	13,787	45,438	79,993
	1904	187	21,910	.....	8,908	29,416	48,037
Bread and other bakery products.	1914	59	171	183	108	476	800
	1909	26	143	129	89	367	572
	1904	36	151	.....	85	336	527
Carriages and wagons and materials.	1914	7	137	283	95	200	362
	1909	8	171	220	100	170	384
	1904	[1] 7	58	.....	35	37	90
Cotton goods	1914	4	4,189	16,567	1,833	4,656	7,143
	1909	6	4,914	16,172	2,030	3,918	6,826
	1904	5	3,956	.....	1,507	3,792	5,746
Foundry and machine-shop products.	1914	[6] 21	730	1,508	459	691	1,443
	1909	27	1,012	1,238	578	727	1,720
	1904	25	897	.....	485	545	1,418
Lumber and timber products.	1914	[7] 5	410	1,130	222	808	1,139
	1909	5	402	1,170	230	1,037	1,390
	1904	4	133	.....	75	137	263
Printing and publishing	1914	[3] 21	121	196	94	82	285
	1909	18	126	166	89	66	254
	1904	[1] 19	125	.....	77	52	216
Woolen and worsted goods.	1914	11	20,565	61,810	10,457	32,597	51,584
	1909	15	20,203	44,638	8,899	33,657	58,536
	1904	[2] 10	12,216	.....	4,672	19,386	30,927
All other industries	1914	93	4,720	11,895	2,510	5,642	10,422
	1909	57	3,571	9,333	1,772	5,496	10,311
	1904	81	4,374	.....	1,972	5,131	8,850
LOWELL—All industries.	1914	300	29,904	83,817	14,002	33,104	56,049
	1909	[8] 319	32,333	71,562	14,022	32,455	59,688
	1904	256	29,303	.....	11,590	26,911	46,879
Boots and shoes	1914	9	1,485	800	684	2,355	3,549
	1909	7	1,259	618	562	1,682	2,650
	1904	6	819	.....	310	956	1,457
Bread and other bakery products.	1914	57	221	92	146	415	734
	1909	46	166	58	103	482	750
	1904	40	163	.....	98	407	644
Cotton goods, including cotton small wares.	1914	12	13,142	53,133	5,788	14,333	23,178
	1909	11	13,833	41,955	5,653	13,943	24,744
	1904	11	12,965	.....	4,848	12,844	19,384
Foundry and machine-shop products.	1914	26	1,841	2,605	1,122	1,283	2,788
	1909	35	2,599	2,706	1,418	1,822	4,333
	1904	34	2,294	.....	1,168	1,509	3,439
Lumber and timber products.	1914	[7] 14	343	1,936	196	776	1,123
	1909	17	410	1,637	211	734	1,066
	1904	12	416	.....	183	646	938
Patent medicines and compounds.	1914	[9] 8	160	533	92	321	795
	1909	7	183	496	95	349	1,130
	1904	[1] 6	279	.....	135	281	1,471
Printing and publishing	1914	[3] 24	265	595	191	298	768
	1909	26	250	349	178	299	796
	1904	19	259	.....	161	150	525
Woolen and worsted goods.	1914	9	1,916	4,262	931	2,436	3,924
	1909	11	2,807	5,807	1,210	3,672	5,522
	1904	9	2,625	.....	1,022	2,783	4,558
All other industries	1914	141	10,531	19,861	4,852	10,887	19,190
	1909	159	10,826	17,936	4,592	9,472	18,697
	1904	119	9,483	.....	3,665	7,335	14,463
LYNN—All industries.	1914	429	25,339	22,747	15,593	38,695	69,783
	1909	431	27,368	17,089	15,666	41,361	71,503
	1904	431	21,540	.....	11,738	32,616	55,002
Blacking, stains, and dressings.	1914	10	62	78	43	295	525
	1909	14	44	76	31	271	537
	1904	12	38	.....	24	110	245
Boots and shoes, including cut stock and findings.	1914	194	13,779	4,161	8,792	28,006	43,891
	1909	207	16,349	5,488	9,532	29,148	46,660
	1904	211	13,286	.....	7,035	22,173	35,431

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

TABLE 44.—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.)
LYNN—Continued.							
Boxes and cartons, paper.	1914	5	353	507	$177	$411	$736
	1909	6	348	265	169	404	730
	1904	3	65	.....	27	108	172
Bread and other bakery products.	1914	39	206	99	154	446	784
	1909	37	165	42	111	443	681
	1904	42	149	.....	89	271	480
Foundry and machine-shop products.	1914	[1] 28	319	275	238	153	594
	1909	26	411	370	254	178	800
	1904	23	354	.....	222	146	588
Lasts	1914	8	234	447	153	105	389
	1909	5	81	187	61	75	266
	1904	4	66	.....	45	40	126
Leather, tanned, curried, and finished.	1914	9	633	1,450	317	3,020	3,849
	1909	8	1,062	1,185	457	4,009	5,094
	1904	12	1,058	.....	499	3,475	4,570
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	5	87	285	61	134	277
	1909	6	129	363	82	188	330
	1904	7	219	.....	100	236	426
Patent medicines and compounds.	1914	9	95	48	52	237	1,180
	1909	7	74	41	39	200	948
	1904	6	69	.....	36	219	1,328
Printing and publishing.	1914	27	291	385	220	206	682
	1909	26	228	177	145	162	537
	1904	25	188	.....	102	81	362
All other industries	1914	95	9,280	15,012	5,386	5,682	16,876
	1909	89	8,477	8,895	4,785	6,283	14,920
	1904	86	6,048	.....	3,559	5,757	11,275
NEW BEDFORD—All industries.	1914	233	33,343	112,151	16,558	37,574	65,575
	1909	207	26,566	76,147	12,598	28,564	53,238
	1904	176	17,855	.....	7,251	16,091	29,469
Bread and other bakery products.	1914	58	349	247	186	741	1,219
	1909	44	289	99	160	548	1,023
	1904	36	141	.....	80	257	444
Cotton goods	1914	29	28,719	102,918	13,716	30,318	51,766
	1909	22	22,141	68,155	10,115	23,290	42,505
	1904	15	14,545	.....	5,576	12,685	22,412
Foundry and machine-shop products.	1914	18	302	591	190	229	522
	1909	16	276	1,019	176	192	454
	1904	19	261	.....	148	138	405
Lumber, planing-mill products, not including planing mills connected with sawmills.	1914	6	72	375	49	135	212
	1909	8	171	759	93	232	412
	1904	5	67	.....	38	160	243
Printing and publishing.	1914	20	273	511	194	152	537
	1909	17	265	199	171	129	483
	1904	16	166	.....	104	74	335
All other industries	1914	102	3,628	7,509	2,223	5,999	11,319
	1909	100	3,424	5,916	1,883	4,173	8,361
	1904	85	2,675	.....	1,305	2,777	5,630
SOMERVILLE—All industries.	1914	144	5,429	9,707	3,340	36,497	43,971
	1909	114	5,280	7,680	2,870	31,923	38,687
	1904	78	3,474	.....	1,753	19,176	22,955
Bread and other bakery products.	1914	31	172	128	120	385	668
	1909	28	120	55	68	269	429
	1904	19	76	.....	53	146	272
Foundry and machine-shop products.	1914	[2] 10	79	86	52	88	210
	1909	6	94	72	46	95	197
Printing and publishing.	1914	17	44	37	30	22	114
	1909	14	43	32	24	17	77
	1904	10	36	.....	21	14	67
Slaughtering and meat packing.	1914	[3] 6	2,309	4,198	1,420	32,424	36,335
	1909	7	2,292	3,308	1,236	27,866	31,270
	1904	5	1,542	.....	815	17,186	18,959
All other industries	1914	80	2,825	5,258	1,718	3,578	6,644
	1909	59	2,731	4,213	1,496	3,676	6,714
	1904	44	1,820	.....	864	1,830	3,657
SPRINGFIELD—All industries.	1914	395	14,240	24,418	$9,350	$21,915	$44,429
	1909	346	11,855	17,744	6,867	14,363	31,773
	1904	296	10,523	.....	5,645	12,380	25,860
Brass and bronze products.	1914	6	176	145	117	279	480
	1909	7	164	129	104	246	431
	1904	3	48	.....	34	78	142
Bread and other bakery products.	1914	46	286	356	191	756	1,414
	1909	27	127	52	83	356	611
	1904	20	184	.....	105	407	656
Carriages and wagons	1914	7	38	42	31	42	105
	1909	8	82	18	56	68	177
	1904	6	55	.....	33	29	96
Confectionery	1914	6	321	346	150	639	1,059
	1909	5	326	184	119	559	903
	1904	5	298	.....	101	350	611
Electric machinery, apparatus, and supplies.	1914	7	545	869	533	3,118	4,015
	1909	5	154	198	82	63	191
	1904	5	153	.....	72	104	370
Fancy articles, not elsewhere specified.	1914	4	74	3	29	43	114
	1909	5	56	23	21	30	106
	1904	7	12	.....	4	8	21
Foundry and machine-shop products.	1914	[4] 50	1,485	3,150	1,055	1,099	3,404
	1909	39	1,554	3,488	973	1,027	3,006
	1904	28	1,314	.....	783	788	2,456
Printing and publishing.	1914	[5] 59	1,166	1,754	816	1,037	3,757
	1909	51	1,025	1,632	666	1,006	3,901
	1904	41	792	.....	515	708	2,402
Tobacco, cigars	1914	26	487	11	346	414	920
	1909	29	408	6	277	256	720
	1904	22	323	.....	207	172	534
Tools, not elsewhere specified.	1914	5	339	768	228	127	784
	1909	4	287	648	185	154	523
	1904	6	142	.....	83	59	233
All other industries	1914	179	9,323	16,974	5,854	14,361	28,377
	1909	166	7,672	11,366	4,301	10,598	21,204
	1904	153	7,202	.....	3,708	9,677	18,339
WORCESTER—All industries.	1914	606	29,452	71,984	17,633	45,794	82,829
	1909	580	28,221	53,405	15,295	42,601	77,148
	1904	470	22,796	.....	11,825	27,011	52,145
Boots and shoes, including cut stock and findings.	1914	12	967	444	528	1,909	2,773
	1909	11	829	399	469	1,466	2,414
	1904	12	747	.....	381	1,097	1,756
Bread and other bakery products.	1914	71	397	330	232	917	1,508
	1909	67	413	160	207	877	1,472
	1904	30	161	.....	95	360	572
Carriages and wagons	1914	10	78	128	58	57	170
	1909	12	71	63	51	62	160
	1904	10	65	.....	46	31	109
Clothing, men's, youths', and boys'.	1914	13	240	70	110	405	668
	1909	16	288	56	111	362	556
	1904	10	201	.....	79	317	462
Clothing, women's	1914	19	834	224	315	924	1,652
	1909	18	1,060	219	371	1,081	1,942
	1904	19	1,044	.....	372	857	1,629
Copper, tin, and sheet-iron products.	1914	[6] 17	518	1,317	318	472	1,191
	1909	10	195	247	113	166	411
	1904	9	84	.....	50	76	181
Cotton goods	1914	4	171	283	99	465	706
	1909	4	254	425	98	680	883
	1904	3	184	.....	79	514	737
Cutlery and tools, not elsewhere specified.	1914	12	337	1,100	276	198	657
	1909	11	409	1,104	241	214	569
	1904	13	394	.....	211	236	575
Foundry and machine-shop products.	1914	[7] 89	6,038	10,916	4,020	4,543	12,226
	1909	89	6,503	6,891	3,841	4,793	13,219
	1904	89	4,650	.....	2,706	3,198	8,389

[1] Includes "automobile repairing;" "engines, steam, gas, and water;" and "hardware."
[2] Includes "automobile repairing" and "hardware."
[3] Includes "sausage."
[4] Includes "automobile repairing;" "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."
[5] Includes "bookbinding and blank-book making;" "engraving, steel and copper plate, including plate printing;" and "lithographing."
[6] Includes "stamped ware."
[7] Includes "automobile repairing;" "engines, steam, gas, and water;" "gas machines and gas and water meters;" "hardware;" "plumbers' supplies, not elsewhere specified;" and "structural ironwork, not made in steel works or rolling mills."

TABLE 44.—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.)
WORCESTER—Con.							
Lumber and timber products.	1914	[1] 13	541	1,702	$382	$699	$1,234
	1909	12	320	1,154	195	476	814
	1904	17	414	.....	247	535	968
Marble and stone work.	1914	7	140	836	106	59	262
	1909	10	227	862	218	93	383
	1904	9	421	.....	280	70	686
Printing and publishing.	1914	[2] 59	690	939	451	448	1,629
	1909	53	585	384	392	371	1,233
	1904	44	377	.....	248	219	966
Tobacco, cigars	1914	18	83	5	$51	$72	$163
	1909	20	65	2	37	42	117
	1904	17	64	.....	36	40	114
Woolen and worsted goods.	1914	12	1,583	3,529	692	2,292	3,585
	1909	15	1,722	3,990	689	3,200	4,460
	1904	14	1,576	.....	610	2,356	3,530
All other industries	1914	250	16,835	50,161	9,995	32,334	54,405
	1909	232	15,280	37,449	8,262	28,718	48,515
	1904	174	12,414	.....	6,385	17,105	31,471

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

ADAMS	1914	35	3,930	12,673	$1,793	$3,797	$6,530
	1909	31	3,991	10,173	1,719	3,082	6,410
	1904	23	3,994	.....	1,509	2,688	5,492
ARLINGTON	1914	19	246	542	185	277	641
	1909	19	283	851	177	311	695
ATTLEBORO	1914	151	6,058	7,486	3,518	7,379	13,947
	1909	128	6,429	5,991	3,763	6,813	15,160
	1904	108	5,044	.....	2,474	4,651	10,050
BEVERLY	1914	67	4,641	4,659	3,356	3,166	8,774
	1909	63	4,487	3,778	2,929	3,291	8,653
	1904	71	2,083	.....	1,098	2,323	4,101
BROOKLINE	1914	21	335	323	239	218	659
	1909	16	340	339	194	196	532
	1904	13	495	.....	286	271	733
CHELSEA	1914	123	6,241	7,031	3,854	9,415	16,971
	1909	110	5,954	8,339	3,326	10,569	17,002
	1904	130	4,939	.....	2,442	8,307	13,879
CHICOPEE	1914	62	8,426	22,907	5,131	17,118	28,869
	1909	58	7,260	18,738	3,696	10,952	19,219
	1904	40	4,670	.....	1,935	4,330	7,716
CLINTON	1914	36	4,064	9,931	1,884	3,610	6,735
	1909	39	4,123	10,882	1,872	4,216	7,845
	1904	35	3,482	.....	1,438	3,408	5,458
EVERETT	1914	85	3,226	10,908	2,047	6,511	13,219
	1909	62	2,680	7,816	1,508	4,506	8,747
	1904	51	2,186	.....	1,155	3,123	6,136
FITCHBURG	1914	137	8,837	38,371	4,815	15,097	23,983
	1909	122	8,497	28,754	4,231	14,442	23,252
	1904	107	6,498	.....	3,168	9,421	15,391
FRAMINGHAM	1914	49	3,982	6,058	2,257	4,447	8,727
	1909	27	3,069	4,486	1,446	3,411	6,917
	1904	36	2,484	.....	1,121	2,517	4,174
GARDNER	1914	64	3,964	5,046	2,084	3,079	7,450
	1909	52	3,617	5,031	1,774	2,833	6,485
	1904	50	3,168	.....	1,491	2,570	5,019
GLOUCESTER	1914	87	2,814	2,682	1,337	5,590	8,534
	1909	102	2,181	2,427	1,042	4,770	7,753
	1904	132	1,763	.....	811	4,682	6,921
GREENFIELD	1914	50	1,602	2,544	877	1,422	3,527
	1909	47	1,251	2,327	701	1,034	2,801
HAVERHILL	1914	398	13,281	10,839	8,614	26,512	42,409
	1909	346	11,689	7,930	6,658	21,686	35,377
	1904	320	9,574	.....	4,818	14,257	24,447
LEOMINSTER	1914	89	4,929	6,408	2,574	5,410	10,838
	1909	94	5,601	5,890	2,794	5,576	10,531
	1904	65	4,127	.....	1,946	3,964	7,502
MALDEN	1914	92	2,850	3,547	1,477	3,249	8,366
	1909	86	2,900	3,433	1,346	4,388	8,206
	1904	59	2,954	.....	1,428	4,045	11,236
MARLBOROUGH	1914	43	3,822	2,332	2,119	6,468	9,984
	1909	59	4,265	2,721	2,224	6,375	10,382
	1904	46	3,479	.....	1,644	4,586	7,469
MEDFORD	1914	54	559	1,495	355	1,855	2,619
	1909	40	560	1,123	331	1,250	2,045
	1904	37	484	.....	244	386	872
MELROSE	1914	26	962	1,582	484	1,334	2,499
	1909	25	1,038	1,535	493	1,589	2,825
	1904	24	1,571	.....	796	2,915	9,451
METHUEN	1914	25	1,940	6,247	$855	$2,951	$4,461
	1909	19	1,572	5,772	689	2,226	3,476
MILFORD	1914	59	1,749	2,137	992	2,298	4,028
	1909	53	1,801	2,410	945	2,389	4,442
	1904	44	1,782	.....	910	1,776	3,391
NEWBURYPORT	1914	54	3,349	4,412	1,656	4,757	8,246
	1909	74	3,215	3,820	1,642	3,781	6,931
	1904	69	2,955	.....	1,392	4,262	6,810
NEWTON	1914	58	2,154	5,576	1,185	3,142	5,823
	1909	46	2,174	4,153	1,125	3,383	6,279
	1904	48	1,893	.....	944	2,242	4,141
NORTH ADAMS	1914	70	5,288	12,946	2,775	5,697	10,923
	1909	60	5,414	11,928	2,567	5,576	10,315
	1904	58	5,502	.....	2,333	4,011	8,036
NORTHAMPTON	1914	75	3,446	7,531	1,960	3,888	8,581
	1909	71	3,150	6,139	1,503	3,163	6,999
	1904	77	2,963	.....	1,217	3,042	5,756
PEABODY	1914	77	5,485	15,764	3,072	12,243	18,442
	1909	74	4,850	9,981	2,638	10,192	15,549
	1904	76	3,953	.....	1,990	6,748	10,237
PITTSFIELD	1914	84	7,490	15,989	4,083	9,129	22,241
	1909	71	6,353	8,301	3,718	8,528	15,215
	1904	44	4,455	.....	2,082	4,629	8,577
PLYMOUTH	1914	37	2,845	9,229	1,481	10,123	13,905
	1909	32	2,912	6,239	1,416	8,475	11,618
QUINCY	1914	177	5,783	10,153	4,584	5,088	12,097
	1909	183	5,492	9,147	3,434	3,844	10,505
	1904	161	5,371	.....	3,060	3,704	8,982
REVERE	1914	27	80	675	69	220	350
	1909	14	101	548	54	292	407
	1904	12	125	.....	66	249	355
SALEM	1914	178	5,294	11,802	2,803	8,145	13,653
	1909	155	6,338	11,436	2,893	8,640	14,576
	1904	143	5,945	.....	2,506	7,921	12,202
SOUTHBRIDGE	1914	35	4,332	8,995	2,272	3,288	7,366
	1909	36	4,037	7,636	1,805	3,125	6,269
	1904	32	3,223	.....	1,305	2,280	4,202
TAUNTON	1914	115	7,371	20,997	4,135	8,106	15,886
	1909	146	7,407	19,141	3,834	7,775	15,380
	1904	127	6,608	.....	3,147	7,687	13,645
WAKEFIELD	1914	22	2,008	1,831	1,196	3,144	6,058
	1909	23	2,230	1,729	1,046	2,835	5,527
WALTHAM	1914	88	6,465	7,926	4,005	3,815	10,237
	1909	80	6,037	7,583	3,288	2,444	7,814
	1904	60	6,208	.....	3,240	2,067	7,150
WATERTOWN	1914	30	4,787	4,377	2,855	6,694	14,764
	1909	25	4,335	4,862	2,235	6,463	11,546
WEBSTER	1914	23	3,246	6,130	1,471	6,983	9,234
	1909	[3] 22	3,019	6,454	1,293	6,976	10,027
WESTFIELD	1914	100	3,584	4,046	2,127	3,434	8,420
	1909	91	3,060	3,731	1,695	2,868	7,362
	1904	86	2,634	.....	1,346	2,251	5,818
WEYMOUTH	1914	40	2,074	2,649	1,196	5,058	8,251
	1909	41	1,991	1,902	1,110	4,204	6,627
	1904	46	1,841	.....	927	2,998	4,922
WINTHROP	1914	10	16	197	11	38	78
	1909	7	7	41	5	25	42
WOBURN	1914	57	1,565	3,880	915	3,351	5,518
	1909	59	1,653	3,560	932	3,114	5,408
	1904	52	1,482	.....	783	2,808	4,654

[1] Includes "boxes, wooden packing" and "lumber, planing-mill products, not including planing mills connected with sawmills."
[2] Includes "bookbinding and blank-book making;" "engraving, steel and copper plate, including plate printing;" and "lithographing."
[3] 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 45.—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	12,013	676,642	10,710	14,472	28,620	16,142	606,698	Mh 633,583	De 580,489	(3)	(3)	(3)	(3)	(3)	$1,548,960,733
2	Agricultural implements	4	359	.....	8	15	11	325	Mh 484	Au 175	271	271	.....	.....	.....	835,645
3	Artificial limbs	8	30	6	3	2	1	18	Se [4] 20	Ap 15	17	14	3	.....	.....	32,680
4	Artificial stone products	55	428	49	32	17	6	324	Se 394	Fe 235	323	323	.....	.....	.....	525,836
5	Automobile bodies and parts	54	1,543	40	70	45	47	1,341	Oc 1,475	De 1,189	1,461	1,430	28	3	.....	2,344,965
6	Automobiles	12	2,427	5	29	167	128	2,098	My 2,859	De 1,284	2,525	2,518	.....	7	.....	7,429,964
7	Automobile repairing	86	476	84	19	6	19	348	Jy 371	Ja 327	345	338	3	4	.....	463,848
8	Awnings, tents, and sails	58	500	62	24	22	26	366	Je 569	Ja 245	376	263	110	3	.....	424,202
9	Baking powders	3	12	1	1	2	2	6	(5) 6	(5) 6	6	5	1	.....	.....	6,983
10	Baskets, and rattan and willow ware	15	149	17	7	1	2	122	De 126	Se [4] 119	126	77	41	7	1	126,201
11	Belting, leather	20	1,490	8	50	247	72	1,113	De 1,212	Au 1,086	1,215	1,166	41	8	.....	5,852,158
12	Belting and hose, woven	6	232	3	17	16	13	183	Jy 192	Mh 162	186	107	74	3	2	906,033
13	Billard tables and materials	6	58	7	4	2	2	43	No 51	Mh 36	46	46	.....	.....	.....	145,389
14	Blacking, stains, and dressings	59	806	71	54	121	54	506	My 596	De 414	502	270	230	2	.....	1,298,724
15	Bookbinding and blank-book making	96	3,688	91	82	104	94	3,317	Jy 3,404	De 3,202	3,324	1,733	1,554	17	20	3,927,259
16	Boot and shoe cut stock	180	4,394	192	129	161	131	3,781	Mh 4,044	Jy 3,547	3,960	2,820	1,084	32	15	15,016,107
17	Boot and shoe findings	240	5,168	259	174	171	175	4,389	Ja 5,138	Je 3,990	4,388	2,917	1,389	41	41	8,768,190
18	Boots and shoes, not including rubber boots and shoes.	464	83,877	445	1,542	2,327	2,619	76,944	.....	.....	78,971	51,096	26,604	646	625	92,253,524
19	Regular factory products	414	82,922	386	1,535	2,326	2,610	76,065	Ja 81,815	Oc 71,203	78,014	50,808	25,940	644	622	92,108,353
20	Contract work	12	260	14	3	.....	1	242	Ap. 271	No 206	236	215	21	.....	.....	26,534
21	Stitching	24	608	27	3	.....	7	571	Fe 664	Jy 489	636	26	606	1	3	92,608
22	Crimping	3	9	4	.....	.....	.....	5	(5) 5	(5) 5	5	5	.....	.....	.....	4,100
23	Buttonholes	8	63	10	1	1	1	50	Ja 67	No 36	60	25	35	.....	.....	16,229
24	Moccasins	3	15	4	.....	.....	.....	11	Ja 16	Au 8	20	17	2	1	.....	5,700
25	Boots and shoes, rubber	9	8,926	.....	73	513	253	8,087	No 8,828	Jy 7,577	8,596	5,244	3,258	63	31	23,027,061
26	Boxes, cigar	5	207	3	8	3	5	188	Je [4] 193	Au 182	185	85	89	3	8	267,912
27	Boxes, fancy and paper	97	4,621	62	133	78	104	4,244	Mh 4,414	De 4,034	4,248	1,397	2,704	33	114	4,097,326
28	Boxes, wooden packing	91	3,282	76	100	53	58	2,995	Mh 3,130	Jy 2,890	3,005	2,764	193	39	9	6,216,604
29	Brass, bronze, and copper products	73	1,845	62	77	53	33	1,620	Se 1,666	Au 1,562	1,623	1,583	32	7	1	3,979,238
30	Bread and bakery products	1,419	10,974	1,563	149	779	400	8,083	.....	.....	8,132	6,141	1,890	57	44	13,775,446
31	Biscuits and crackers	14	2,472	6	31	222	107	2,106	Jy 2,217	Se 1,990	1,997	1,030	934	4	29	5,267,611
32	All other	1,405	8,502	1,557	118	557	293	5,977	Au 6,061	Ja 5,874	6,135	5,111	956	53	15	8,507,835
33	Brick, tile, terra-cotta, and fire-clay products.	46	1,248	32	49	32	11	1,124	.....	.....	1,499	1,483	7	9	.....	2,196,865
34	Building brick	38	883	32	36	16	8	791	Je 1,375	De 254	1,199	1,199	.....	.....	.....	1,471,288
35	Fire brick and stove lining	5	188	.....	9	10	.....	169	Au 176	Mh 161	165	156	.....	9	.....	314,617
36	Tiles and architectural and fire-proofing terra cotta.	3	177	.....	4	6	3	164	Fe 229	Au 108	135	128	7	.....	.....	410,960
37	Brooms	26	164	35	1	4	3	121	Mh 127	De [4] 117	123	110	7	6	.....	218,476
38	Brushes	29	1,629	24	43	67	58	1,437	Ja 1,568	De 1,360	1,398	730	655	3	10	3,359,105
39	Butter	17	62	13	11	5	.....	33	De [4] 34	Au [4] 32	34	34	.....	.....	.....	123,607
40	Buttons	14	543	12	16	18	12	485	Ja 618	Au 391	466	185	260	5	16	1,241,996
41	Canning and preserving, fish	31	1,788	22	45	127	59	1,535	Oc 1,730	My 1,301	1,578	1,249	281	24	24	4,004,598
42	Canning and preserving, fruits and vegetables.	4	23	7	.....	.....	1	15	Oc 67	Ap [4] 2	49	28	21	.....	.....	28,088
43	Card cutting and designing	4	10	4	.....	.....	1	5	(5) 5	(5) 5	5	3	2	.....	.....	15,925
44	Carpets and rugs, other than rag	12	5,641	4	65	178	75	5,319	Mh 5,696	De 4,536	5,358	2,851	2,321	112	74	13,841,208
45	Carpets, rag	21	141	26	5	3	1	106	Au [4] 116	Mh [4] 94	109	91	14	4	.....	55,573
46	Carriage and wagon materials	14	209	17	7	6	4	175	Ap 204	Au 117	161	161	.....	.....	.....	948,541
47	Carriages and sleds, children's	8	1,237	1	24	20	17	1,175	No 1,295	Je 1,021	1,240	1,078	158	3	1	1,594,638
48	Carriages, wagons, and repairs	161	1,447	184	36	28	26	1,173	.....	.....	1,093	1,089	3	1	.....	2,090,626
49	Carriages and wagons	135	1,307	157	30	25	25	1,070	My 1,233	De 956	993	989	3	1	.....	1,918,021
50	Repair work only	26	140	27	6	3	1	103	My [4] 118	Au 93	100	100	.....	.....	.....	172,605
51	Cars and general shop construction and repairs by electric-railroad companies.	39	1,779	.....	40	26	8	1,705	Jy 1,780	Fe 1,603	1,737	1,724	13	.....	.....	2,861,028
52	Cars and general shop construction and repairs by steam-railroad companies.	15	6,597	.....	107	206	20	6,264	Je 6,951	No 5,797	7,106	7,080	19	7	.....	9,136,136
53	Chemicals	24	1,681	13	57	156	60	1,395	Mh 1,464	Au 1,312	1,385	1,284	93	5	3	9,167,388
54	Chocolate and cocoa products	5	1,123	.....	21	127	32	943	Mh 1,024	Au 826	967	683	281	2	1	6,865,087
55	Cleansing and polishing preparations.	34	159	21	30	25	17	66	.....	.....	66	49	15	1	1	205,411
56	Cleansing preparations	13	54	10	10	5	7	22	De [4] 23	Mh [4] 20	23	20	3	.....	.....	125,421
57	Polishing preparations	21	105	11	20	20	10	44	Oc [4] 46	De [4] 42	43	29	12	1	1	169,990
58	Clocks	4	176	.....	13	10	10	143	Je 159	Oc 123	133	119	14	.....	.....	614,726
59	Cloth, sponging and refinishing	4	64	5	3	.....	.....	56	Ap 62	No 50	53	53	.....	.....	.....	24,525
60	Clothing, horse	3	215	8	6	5	2	194	Mh 215	No 168	200	85	114	1	.....	405,526
61	Clothing, men's	213	6,575	257	117	306	135	5,760	.....	.....	6,011	2,865	3,105	10	31	7,198,335
62	Men's and youths'	111	4,829	117	110	297	129	4,176	Mh 4,361	De 3,865	4,260	1,979	2,250	8	23	6,860,794
63	Boys'	6	193	10	3	5	5	170	Ap 196	No 145	151	41	110	.....	.....	187,682
64	All other	4	56	7	2	.....	1	46	De 60	Au 35	60	9	51	.....	.....	54,811
65	Contract work	92	1,497	123	2	4	.....	1,368	De 1,475	Jy 1,246	1,540	836	694	2	8	95,048

[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.			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.																
$39,137,316	$44,577,368	$341,309,517	$9,834,358	$9,156,895	$21,219,849	$898,876,555	$32,507,238	$1,641,373,047	$709,989,254	1,396,722	970,506	36,052	189,825	200,339	382,632	1
21,934	33,792	190,228	.....	6,600	8,374	287,353	11,170	552,381	253,858	686	155	25	75	431	.....	2
2,756	1,224	11,265	.....	2,621	358	15,908	1,680	52,628	35,040	46	.....	.....	.....	46	.....	3
47,842	18,113	226,212	8,457	5,323	4,855	185,627	8,794	599,753	405,332	394	45	49	.....	300	.....	4
137,725	66,500	1,105,483	13,814	64,663	16,898	1,318,301	42,030	3,386,630	2,026,299	1,292	410	120	.....	762	200	5
118,098	300,131	1,910,793	.....	11,272	43,272	4,231,295	50,806	7,812,160	3,530,059	3,006	1,505	59	410	1,032	155	6
26,589	13,996	299,218	3,000	43,745	4,108	204,389	12,441	788,975	572,145	391	.....	111	.....	280	3	7
49,420	34,045	223,554	805	30,223	3,459	535,749	7,681	1,025,760	482,330	118	.....	6	.....	112	.....	8
900	2,191	2,884	.....	868	58	10,585	85	21,796	11,126	6	.....	.....	.....	6	.....	9
15,370	1,500	59,489	.....	5,695	1,649	124,773	4,403	249,911	120,735	272	50	39	85	98	.....	10
117,263	316,315	764,181	41,260	20,250	47,153	4,945,491	34,749	7,297,476	2,317,236	1,386	1,220	49	.....	117	104	11
41,289	33,238	98,690	.....	6,491	5,485	591,094	11,437	942,180	339,649	615	475	10	.....	130	99	12
13,424	2,398	32,818	.....	5,745	558	107,055	1,832	200,334	91,447	19	.....	4	.....	15	.....	13
151,024	181,728	262,293	.....	43,686	11,717	1,746,233	10,146	3,199,141	1,442,762	481	275	104	.....	102	5	14
191,698	193,220	1,839,465	21,989	125,190	33,544	1,478,333	46,402	4,943,081	3,418,346	1,843	1,055	39	.....	749	444	15
276,693	294,032	2,029,107	1,463	182,740	61,681	30,329,686	82,919	35,636,846	5,224,241	3,045	775	816	.....	1,454	110	16
344,147	320,810	2,233,864	82,213	186,408	55,446	13,405,310	98,241	19,021,309	5,517,758	3,806	1,305	451	40	2,010	268	17
3,396,648	4,501,075	46,743,858	788,153	898,245	550,412	119,647,543	678,137	200,529,858	80,204,178	32,870	18,859	4,305	350	9,356	3,741	18
3,390,385	4,495,908	46,286,027	787,728	879,199	549,580	119,546,594	671,435	199,813,277	79,595,248	32,583	18,859	4,114	350	9,260	3,741	19
3,342	520	162,108	.....	6,398	199	39,688	3,575	258,061	214,798	90	.....	75	.....	15	.....	20
2,397	3,711	262,826	425	9,056	500	45,993	2,412	382,209	333,804	154	.....	105	.....	49	.....	21
.....	.....	3,012	.....	680	16	.....	84	7,600	7,516	5	.....	.....	.....	5	.....	22
524	936	24,460	.....	2,372	87	5,242	374	50,540	44,924	28	.....	8	.....	20	.....	23
.....	.....	5,425	.....	540	30	10,026	257	18,171	7,888	10	.....	3	.....	7	.....	24
265,003	614,867	4,468,411	39,140	1,095	173,430	10,188,696	266,129	23,788,788	13,333,963	8,177	6,710	.....	.....	1,467	1,168	25
12,064	7,152	91,583	.....	450	2,875	178,607	3,459	339,245	157,179	108	40	.....	.....	68	.....	26
271,880	143,654	1,886,498	5,836	118,223	44,270	3,606,865	65,008	7,084,975	3,413,102	3,393	961	226	255	1,951	252	27
159,233	88,839	1,640,876	11,223	51,290	62,517	4,740,422	35,847	7,710,614	2,934,345	12,658	10,830	797	592	439	926	28
238,785	90,797	1,063,053	2,227	40,972	60,059	3,531,297	183,499	5,958,863	2,244,067	7,415	4,790	79	15	2,531	226	29
315,019	1,061,339	4,866,068	4,455	535,584	145,376	17,701,359	569,789	33,309,051	15,037,903	6,589	2,755	221	5	3,608	1,618	30
88,388	329,516	974,874	.....	45,381	50,325	3,591,317	96,494	8,048,481	4,360,670	1,854	1,601	135	.....	118	808	31
226,631	731,823	3,891,194	4,455	490,203	95,051	14,110,042	473,295	25,260,570	10,677,233	4,735	1,154	86	5	3,490	810	32
81,957	43,339	680,047	7,809	33,201	21,777	184,263	232,714	1,458,992	1,042,015	3,378	2,195	57	25	1,101	5	33
51,064	18,278	477,397	7,809	27,901	14,204	99,680	178,065	1,028,374	750,629	2,631	1,585	35	25	986	.....	34
19,810	10,661	100,989	.....	.....	3,921	60,001	19,154	242,145	162,990	255	205	22	.....	28	.....	35
11,083	14,400	101,661	.....	5,300	3,652	24,582	35,495	188,473	128,396	492	405	.....	.....	87	5	36
2,400	5,848	61,866	250	3,581	962	228,878	3,102	406,596	174,616	97	30	12	.....	55	.....	37
118,235	127,140	717,148	42,030	38,164	27,874	2,205,175	26,235	3,910,029	1,678,619	878	598	14	25	241	283	38
12,768	2,279	21,491	18,831	1,002	1,152	694,818	2,647	813,783	116,318	158	100	8	.....	50	.....	39
51,104	42,853	230,445	606	6,494	9,388	259,980	15,667	727,707	452,060	614	440	.....	.....	174	160	40
129,460	149,131	658,636	468	21,438	29,565	4,031,363	20,462	5,797,774	1,745,949	431	150	14	.....	267	.....	41
.....	75	2,695	.....	150	120	12,866	346	20,630	7,418	50	40	8	.....	2	.....	42
.....	300	2,147	.....	684	184	5,522	234	16,347	10,591	12	.....	5	.....	7	.....	43
250,351	251,642	2,388,790	.....	20,167	146,112	6,448,700	219,580	10,981,344	4,313,064	10,600	7,320	600	2,200	480	7,555	44
7,860	3,798	50,743	1,606	5,508	257	21,392	2,183	136,622	113,047	174	50	12	50	62	.....	45
19,373	7,824	118,642	165	10,216	8,924	288,158	8,489	496,487	199,840	390	332	39	18	1	12	46
67,604	34,901	660,284	.....	.....	13,444	1,437,091	23,366	2,644,414	1,183,957	1,130	582	.....	435	113	76	47
45,599	37,600	662,520	6,698	49,430	20,742	797,492	45,518	2,325,387	1,482,377	1,563	214	232	.....	1,117	40	48
38,684	34,255	590,737	6,698	42,288	18,955	741,472	41,987	2,131,088	1,347,629	1,456	206	232	.....	1,018	40	49
6,915	3,345	71,783	.....	7,142	1,787	56,020	3,531	194,299	134,748	107	8	.....	.....	99	.....	50
40,139	22,069	1,372,677	2,248	11,550	18,255	1,177,253	26,589	2,565,946	1,362,104	235	.....	.....	.....	235	1,876	51
110,710	188,080	4,393,731	.....	.....	107,448	3,954,176	242,705	8,829,665	4,632,784	8,287	7,672	70	.....	545	9,186	52
209,849	265,034	954,633	2,474	9,784	110,814	3,111,761	242,860	6,684,918	3,330,297	5,405	4,600	5	15	785	1,295	53
105,842	194,752	592,002	26,485	28,457	97,761	7,219,424	83,783	10,209,949	2,906,742	4,403	3,270	650	280	203	2,967	54
59,349	33,907	39,238	441	10,989	2,426	323,347	3,544	642,336	315,445	93	.....	13	.....	80	.....	55
13,968	6,711	13,262	391	3,142	1,146	158,555	1,752	303,347	143,040	51	.....	.....	.....	51	.....	56
45,381	27,196	25,976	50	7,847	1,280	164,792	1,792	338,989	172,405	42	.....	13	.....	29	.....	57
22,780	20,047	116,929	.....	1,000	4,340	62,200	4,950	276,894	209,744	139	60	35	.....	44	.....	58
5,562	.....	36,496	.....	7,700	150	630	870	63,700	62,200	34	.....	10	.....	24	.....	59
18,241	6,229	100,143	.....	1,500	3,268	418,369	4,788	619,962	196,805	182	75	.....	70	37	.....	60
297,480	463,877	3,074,907	1,422,666	269,956	81,409	8,962,650	70,507	16,217,687	7,184,530	1,245	507	67	.....	671	163	61
281,610	448,221	2,228,586	1,410,897	222,358	79,742	8,762,515	54,606	14,820,321	6,003,200	884	432	38	.....	414	163	62
11,300	13,978	75,534	.....	1,130	1,004	150,013	1,920	308,028	156,095	36	.....	.....	.....	36	.....	63
320	450	19,311	.....	3,518	96	33,549	1,181	63,625	28,895	85	75	.....	.....	10	.....	64
4,250	1,228	751,476	11,769	42,950	567	16,573	12,800	1,025,713	996,340	240	.....	29	.....	211	.....	65

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

[5] Same number reported throughout the year.

TABLE 45.—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	Clothing, men's, buttonholes	3	9	4	.....	1	.....	4	De [3] 5	Se [3] 3	5	3	2	.....	.....	$1,050
2	Clothing, women's	202	7,038	236	187	300	239	6,076	.....	.....	6,083	1,493	4,546	.....	44	4,942,052
3	Suits, skirts, and cloaks	69	2,202	85	64	117	91	1,845	Oc 2,168	Jy 1,494	1,861	984	858	.....	19	1,217,622
4	Shirt waists and dresses, except house dresses.	56	2,159	64	53	86	84	1,872	Ap 2,085	Au 1,408	1,947	274	1,670	.....	3	1,248,146
5	Undergarments and petticoats	33	1,781	39	41	64	39	1,598	Ap 1,743	Au 1,301	1,537	162	1,354	.....	21	1,710,832
6	Wrappers and house dresses	14	309	15	10	18	13	253	Jy 284	No 204	244	35	209	.....	.....	406,011
7	All other	24	527	26	19	15	11	456	My 515	Ja 378	436	32	403	.....	1	354,978
8	Contract work	6	60	7	.....	.....	1	52	Mh 64	Au 31	58	6	52	.....	.....	4,463
9	Coffee and spice, roasting and grinding.	21	847	19	24	273	65	466	.....	.....	456	281	173	1	1	3,677,805
10	Coffee	16	689	18	17	242	57	355	Se 364	De 348	348	229	117	1	1	3,261,447
11	Spice	5	158	1	7	31	8	111	Au 118	De [3] 108	108	52	56	.....	.....	416,358
12	Coffins, burial cases, and undertakers' goods.	9	346	7	15	25	13	286	Fe 295	Au [3] 279	284	265	17	2	.....	821,096
13	Combs and hairpins, not made from metal or rubber.	34	2,120	19	70	42	45	1,944	Oc 2,309	Je 1,535	1,975	1,376	520	42	37	1,768,421
14	Confectionery and ice cream	276	8,617	281	226	542	306	7,262	.....	.....	7,691	2,257	5,110	17	307	11,640,834
15	Confectionery	145	7,855	122	186	508	264	6,775	Oc 7,633	Fe 5,918	7,263	1,888	5,056	13	306	10,490,869
16	Chewing gum	3	16	.....	1	1	2	12	Ap 33	Jy 3	18	6	12	.....	.....	52,112
17	Ice cream	128	746	159	39	33	40	475	Jy 690	Fe [3] 328	410	363	42	4	1	1,097,853
18	Cooperage	35	579	33	12	7	2	525	.....	.....	530	520	.....	10	.....	835,978
19	Hogsheads and barrels	32	542	30	12	7	2	491	Oc 523	Ja 464	498	488	.....	10	.....	804,728
20	All other	3	37	3	.....	.....	.....	34	Ja 39	Se [3] 31	32	32	.....	.....	.....	31,250
21	Copper, tin, and sheet-iron work	127	1,790	146	80	126	61	1,377	No 1,461	Fe 1,276	1,432	1,410	11	10	1	2,392,705
22	Cordage and twine and jute goods	13	6,371	6	65	140	87	6,073	Je 6,369	No 5,699	5,770	2,945	2,376	120	329	18,780,156
23	Cordials and flavoring sirups	9	102	5	10	20	16	51	Ap 71	De 30	46	32	13	1	.....	213,301
24	Corsets	11	2,512	2	33	124	55	2,298	Mh 2,631	De 1,818	2,310	258	1,953	.....	99	2,594,362
25	Cotton goods	165	114,659	25	864	798	363	112,609	Ja 117,496	Au 108,096	113,902	59,310	50,160	2,338	2,094	255,153,889
26	Cotton small wares	24	1,025	10	37	10	18	950	Mh 1,015	De 874	939	353	498	51	37	1,704,831
27	Cutlery and edge tools	37	2,193	23	64	91	68	1,947	.....	.....	1,936	1,503	396	26	11	5,188,574
28	Table cutlery	6	1,008	.....	17	20	11	960	Mh 1,020	Ja 927	934	869	41	17	7	1,225,236
29	All other	31	1,185	23	47	71	57	987	Ja 1,075	Au 884	1,002	634	355	9	4	3,963,338
30	Dental goods	8	82	6	4	9	8	55	Oc 57	Au 52	57	29	25	3	.....	70,214
31	Druggists' preparations	16	483	7	23	90	41	322	My 345	Au 300	322	146	172	.....	4	964,283
32	Dyeing and finishing textiles	57	12,226	14	167	436	172	11,437	Mh 12,358	No 10,079	11,440	9,227	1,998	162	53	39,014,407
33	Dyestuffs and extracts	17	212	11	16	31	6	148	Au 160	De 131	131	130	1	.....	.....	813,134
34	Electrical machinery, apparatus, and supplies.	91	20,249	28	386	1,819	891	17,125	Ja 18,644	De 15,126	17,584	14,066	3,424	55	39	45,067,320
35	Electroplating	50	324	57	9	12	13	233	Mh 256	Oc [3] 225	231	214	14	3	.....	222,037
36	Emery and other abrasive wheels	12	1,097	8	18	117	52	902	Ja 977	No 803	919	879	38	2	.....	2,403,519
37	Enameling	10	114	8	8	2	4	92	Je 101	Ap 78	93	61	32	.....	.....	146,747
38	Engines, steam, gas, and water	8	130	2	11	9	4	104	Ja 124	De 87	87	84	1	2	.....	431,974
39	Engraving and diesinking	48	225	54	2	9	8	152	Ja 167	Se [3] 139	150	141	2	7	.....	156,194
40	Engraving, steel and copper plate, including plate printing.	29	523	22	27	28	25	421	De 439	Au 406	430	242	182	4	2	668,036
41	Engraving, wood	3	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,246
42	Envelopes	11	2,002	1	37	102	81	1,781	Ap 1,858	Au 1,649	1,807	627	1,173	1	6	4,723,318
43	Fancy articles, not elsewhere specified	30	889	26	19	29	29	786	.....	.....	910	468	413	7	22	1,067,319
44	Celluloid, metal, and paper novelties.	12	711	6	12	26	24	643	Oc 788	Ap 471	742	420	297	6	19	903,938
45	Wood novelties	3	19	4	.....	1	.....	14	Je [3] 18	My 8	14	12	2	.....	.....	14,608
46	All other	15	159	16	7	2	5	129	Oc 180	Ja 72	154	36	114	1	3	148,773
47	Felt goods	15	1,053	.....	45	101	29	878	Ja 955	Jy 797	959	839	113	5	2	5,236,462
48	Files	6	149	3	4	3	5	134	Jy 146	De 117	122	115	4	3	.....	228,429
49	Firearms	6	2,288	5	21	59	42	2,161	Ja 2,371	Oc 1,986	2,185	2,128	27	30	.....	3,930,056
50	Fireworks	4	413	.....	12	5	7	389	Je 426	De 356	372	278	90	2	2	346,096
51	Flags and banners	3	39	5	.....	.....	1	33	(4) 33	(4) 33	33	12	21	.....	.....	14,357
52	Flavoring extracts	35	234	31	17	47	15	124	Je 146	De [3] 112	122	60	61	.....	1	595,521
53	Flour-mill and gristmill products	105	353	124	24	16	13	176	No 181	Au 171	178	178	.....	.....	.....	2,519,072
54	Food preparations, not elsewhere specified.	68	784	69	40	133	73	469	.....	.....	611	455	151	5	.....	1,460,957
55	Breadstuff preparations, cereals, and table foods.	5	59	3	5	21	13	17	Oc [3] 19	Au 12	16	16	.....	.....	.....	88,728
56	Macaroni, vermicelli, and noodles	3	20	2	2	.....	.....	16	De [3] 17	Au [3] 15	17	14	3	.....	.....	12,800
57	Meat products, not elsewhere specified.	5	98	4	6	8	6	74	Fe 115	Se [3] 47	93	66	27	.....	.....	102,903
58	Sweetening sirups, other than cane.	4	42	5	2	7	4	24	Se 36	Je 17	26	17	8	1	.....	121,575
59	Other preparations for human consumption.	46	501	52	23	88	44	294	Fe 410	No 235	413	309	100	4	.....	1,022,306
60	For animals and fowls	5	64	3	2	9	6	44	Oc 59	Ja 34	46	33	13	.....	.....	112,645
61	Foundry and machine-shop products.	705	37,342	540	1,200	2,120	795	32,687	.....	.....	32,687	31,965	529	176	17	91,616,024
62	Boiler shops	18	696	14	43	32	19	588	Se 638	De 511	572	571	.....	1	.....	1,682,752
63	Foundries	64	3,141	57	117	121	48	2,798	Ja 2,952	Se 2,585	2,807	2,800	1	6	.....	4,895,241
64	Machine shops	623	33,505	469	1,040	1,967	728	29,301	Ja 31,335	No 26,739	29,308	28,594	528	169	17	85,038,031
65	Fur goods	17	312	22	4	56	22	208	No 299	Mh 135	275	139	136	.....	.....	522,963
66	Furnishing goods, men's	13	507	12	14	57	36	388	No 458	Ja 332	442	49	382	1	10	511,705

[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).		
.....	$260	$1,560	.....	$288	.....	$326	$200	$6,072	$5,546	3	.....	.....	.....	3	.....	1
$362,882	483,352	2,966,453	$98,099	252,786	$27,139	7,605,410	58,815	13,982,587	6,318,362	1,202	183	113	.....	906	6	2
124,647	168,273	1,243,880	35,267	92,935	5,686	2,318,012	18,365	4,653,332	2,316,955	290	.....	.....	.....	290	.....	3
84,459	124,736	798,676	27,988	67,338	5,697	1,900,200	16,043	3,667,399	1,751,156	285	.....	14	.....	271	.....	4
102,331	135,558	642,773	32,687	52,429	11,203	2,673,348	14,265	4,264,888	1,577,275	409	133	73	.....	203	5	5
13,462	32,974	96,299	50	15,081	2,204	283,737	4,196	552,105	264,172	114	50	.....	.....	64	1	6
37,983	21,499	169,785	2,107	22,999	2,283	429,765	5,272	813,127	378,090	92	.....	23	.....	69	.....	7
.....	312	15,040	.....	2,004	66	348	674	31,736	30,714	12	.....	3	.....	9	.....	8
149,318	516,600	265,422	.....	84,747	37,953	6,278,806	33,136	8,675,047	2,363,105	1,312	510	63	100	639	574	9
116,818	468,168	212,911	.....	79,987	31,149	5,457,999	27,094	7,523,147	2,038,054	879	250	25	.....	604	274	10
32,500	48,432	52,511	.....	4,760	6,804	820,807	6,042	1,151,900	325,051	433	260	38	100	35	300	11
30,602	35,975	172,935	.....	13,494	6,946	364,723	4,590	789,292	419,979	549	490	5	.....	54	9	12
125,488	65,833	967,722	5,575	9,725	12,157	2,020,528	53,335	3,726,931	1,653,068	1,844	930	132	143	639	2	13
561,461	874,805	3,041,509	[3]8,787	383,716	138,726	13,643,359	219,374	22,934,744	9,072,011	6,751	3,642	271	12	2,826	2,825	14
505,385	829,099	2,710,742	8,192	332,464	127,320	12,095,234	170,011	20,097,995	7,832,750	5,229	3,630	150	10	1,439	2,825	15
1,820	1,869	4,336	.....	835	329	21,300	725	32,828	10,803	52	.....	.....	.....	52	.....	16
54,256	43,837	326,431	595	50,417	11,077	1,526,825	48,638	2,803,921	1,228,458	1,470	12	121	2	1,335	.....	17
27,306	6,557	311,260	.....	1,979	17,919	720,248	11,599	1,272,246	540,399	1,356	865	89	333	69	322	18
27,306	6,557	292,660	.....	1,979	17,273	707,308	11,537	1,233,546	514,701	1,193	765	89	273	66	322	19
.....	.....	18,600	.....	.....	646	12,940	62	38,700	25,698	163	100	.....	60	3	.....	20
163,442	146,720	948,602	2,895	71,300	27,798	1,684,877	29,987	3,764,759	2,049,895	968	220	220	37	491	9	21
252,412	228,837	2,455,637	.....	489	179,502	15,420,979	132,173	20,229,992	4,676,840	28,616	15,554	2,430	10,521	111	11,492	22
40,769	39,736	24,872	1,248	12,177	2,237	326,492	2,686	519,049	189,871	32	.....	.....	.....	32	.....	23
172,535	251,226	905,648	.....	27,747	39,102	1,890,412	11,524	4,580,839	2,678,903	690	610	.....	.....	80	290	24
3,012,919	1,207,136	50,299,559	158,943	22,538	3,364,607	113,786,230	4,941,022	195,481,626	76,754,374	436,423	354,063	1,834	63,921	16,605	98,166	25
71,483	23,782	406,481	18,307	9,026	16,260	1,063,677	43,405	1,840,485	733,403	1,660	437	192	226	805	.....	26
205,749	124,949	1,066,991	485	11,172	42,658	776,993	56,158	4,354,119	3,520,968	4,059	1,630	267	1,505	657	960	27
55,420	37,938	533,113	.....	.....	13,081	284,279	25,096	1,031,470	722,095	2,515	725	150	1,364	276	475	28
150,329	87,011	533,878	485	11,172	29,577	492,714	31,062	3,322,649	2,798,873	1,544	905	117	141	381	485	29
7,790	7,168	33,313	.....	4,365	618	408,002	918	484,512	75,592	19	.....	.....	.....	19	.....	30
51,328	137,505	159,062	.....	30,651	7,823	590,935	8,022	1,345,612	746,655	307	100	35	.....	172	.....	31
733,135	544,143	5,842,976	19,651	44,371	373,838	9,717,667	1,271,336	22,455,086	11,466,083	30,932	26,300	140	1,860	2,632	14,456	32
46,075	45,991	99,134	.....	8,012	7,821	1,137,467	24,406	1,674,097	512,224	520	393	25	.....	102	.....	33
1,202,139	2,876,609	10,651,133	6,226	144,520	275,263	17,029,662	667,245	43,869,294	26,172,387	29,846	25,927	544	193	3,182	51,664	34
15,352	12,469	151,632	884	27,132	977	101,091	8,557	402,239	292,591	398	.....	94	.....	304	.....	35
73,394	217,405	598,546	200	3,467	51,323	788,268	78,184	2,299,292	1,432,840	2,214	1,713	436	.....	65	1,004	36
13,185	4,134	51,355	130	3,076	2,085	127,684	6,040	269,126	135,402	90	50	3	.....	37	.....	37
21,141	13,331	70,170	.....	1,765	5,096	77,823	4,546	216,817	134,448	289	220	36	.....	33	.....	38
3,560	11,945	112,468	1,699	13,891	1,142	33,552	4,123	273,147	235,472	135	15	5	.....	115	.....	39
73,993	33,135	274,782	13,224	34,475	4,333	153,559	6,250	746,290	586,481	724	.....	10	.....	714	.....	40
.....	.....	.....	.....	528	8	195	.....	3,563	3,368	1	.....	.....	.....	1	.....	41
112,712	159,868	803,209	.....	8,903	37,920	2,820,546	29,819	4,979,533	2,129,168	1,102	900	.....	.....	202	818	42
52,419	54,998	387,138	1,992	14,990	9,503	507,812	14,060	1,287,744	765,872	493	215	28	35	215	.....	43
40,005	49,202	321,460	177	7,679	8,769	404,235	11,883	1,020,601	604,483	411	215	20	35	141	.....	44
.....	700	7,546	.....	1,521	85	10,380	302	32,515	21,833	8	.....	8	.....	.....	.....	45
12,414	5,096	58,132	1,815	5,790	649	93,197	1,875	234,628	139,556	74	.....	.....	.....	74	.....	46
156,824	166,102	434,602	.....	3,461	35,406	1,839,532	84,998	2,997,080	1,072,550	3,339	2,439	40	925	435	154	47
5,500	5,705	75,305	50	564	2,086	76,109	11,895	207,201	119,197	367	75	15	25	252	7	48
73,378	126,501	1,461,142	.....	1,900	40,100	653,416	58,035	3,297,419	2,585,968	1,990	1,025	.....	.....	965	20	49
20,369	6,836	180,479	.....	1,900	1,434	277,744	6,337	553,993	269,912	345	190	.....	70	85	29	50
.....	624	9,809	.....	1,660	18	40,240	114	66,263	25,909	9	.....	.....	.....	9	.....	51
58,044	134,135	62,519	.....	17,239	5,154	588,849	3,254	1,164,733	572,630	67	8	.....	.....	59	12	52
25,798	20,694	101,471	3,578	22,677	15,913	3,394,208	29,679	3,811,377	387,490	4,900	486	442	2,271	1,701	107	53
167,922	245,048	280,113	3,279	46,751	21,565	1,901,188	51,650	4,042,622	2,089,784	1,032	245	253	50	484	.....	54
11,830	27,708	12,702	.....	5,000	1,659	240,687	1,440	376,820	134,693	44	.....	.....	.....	44	.....	55
2,600	.....	8,336	.....	2,284	90	37,409	3,927	79,001	37,665	113	50	.....	.....	63	.....	56
75,100	24,781	46,879	.....	3,436	6,408	342,897	5,694	660,972	312,381	123	.....	.....	.....	123	.....	57
3,430	16,930	10,533	.....	2,066	1,069	167,622	771	225,850	57,457	63	.....	40	.....	23	.....	58
72,622	163,090	177,895	937	28,590	10,560	948,934	35,144	2,415,531	1,431,453	512	195	48	50	219	.....	59
2,340	12,539	23,768	2,342	5,375	1,779	163,639	4,674	284,448	116,135	177	.....	165	.....	12	.....	60
3,162,310	3,026,712	22,349,925	67,593	473,220	867,979	22,063,863	1,231,631	65,605,499	42,310,005	56,128	31,231	2,987	3,159	18,751	15,764	61
90,026	43,635	415,458	1,758	22,471	18,817	1,124,048	26,011	2,039,438	889,379	1,231	845	112	.....	274	462	62
288,481	173,536	1,948,726	27,826	36,146	50,588	1,903,461	216,502	5,230,000	3,110,037	3,896	1,340	316	75	2,165	837	63
2,783,803	2,809,541	19,985,741	38,009	414,603	798,574	19,036,354	989,118	58,336,061	38,310,589	51,001	29,046	2,559	3,084	16,312	14,465	64
4,557	56,836	146,276	11,280	19,999	5,671	474,390	1,877	861,877	385,610	49	.....	.....	.....	49	.....	65
31,870	61,208	170,825	63,724	15,481	2,299	785,328	3,623	1,268,806	479,855	77	.....	10	.....	67	.....	66

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

[4] Same number reported throughout the year.

TABLE 45.—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	Furniture	134	7,478	116	196	213	140	6,813			7,027	6,333	616	64	14	$18,970,795
2	Wood, other than rattan and willow.	100	5,774	100	139	152	99	5,284	Ja 5,808	Jy 4,917	5,352	4,828	459	57	8	15,699,638
3	Rattan and willow	12	1,056	4	25	22	15	990	Mh 1,320	Je 359	1,112	949	150	7	6	1,798,008
4	Metal	8	167	2	16	15	5	129	Oc [3] 155	Ap 103	141	135	6			277,711
5	Store and office fixtures	14	481	10	16	24	21	410	Je 449	De 284	422	421	1			1,195,438
6	Galvanizing	3	15	2	1			12	Ap [3] 14	De [3] 10	12	12				24,578
7	Gas and electric fixtures	15	187	7	10	16	11	143			163	159	2	2		196,510
8	Gas fixtures	6	51	5		1	3	42	No 52	Je 31	51	49	2			42,534
9	Electric fixtures	6	114	1	8	14	8	83	De 92	Jy 75	92	90		2		141,772
10	All other	3	22	1	2	1		18	De [3] 20	Jy [3] 16	20	20				12,204
11	Gas, illuminating and heating	61	3,933	1	204	325	221	3,182	Je 3,509	Mh 2,930	3,045	2,980	65			67,696,765
12	Glass, cutting, staining, and ornamenting.	35	277	42	12	13	12	198	No 224	Jy 165	224	212	9	3		191,513
13	Gloves and mittens, leather	5	52	7	2	1		42	De 46	Au [3] 39	46	14	31		1	32,196
14	Glue, not elsewhere specified	11	668	7	27	46	25	563	Ap 643	Au 450	568	450	118			2,956,497
15	Gold, leaf and foil	10	137	13		2	2	120	Fe 129	Au 112	115	65	50			97,464
16	Gold and silver, reducing and refining, not from the ore.	7	33	7	2	2	1	21	Mh 23	Oc 18	20	20				168,066
17	Grease and tallow, not including lubricating greases.	33	741	19	43	39	18	622			622	620	2			2,600,452
18	Soap stock	18	588	3	41	34	14	496	Ap 512	De 473	498	496	2			2,102,002
19	Tallow	10	136	11	1	5	4	115	Je 121	Oc 110	113	113				465,168
20	All other	5	17	5	1			11	Jy [3] 12	Fe [3] 10	11	11				33,282
21	Hair work	5	25	4	1	3	1	16	Je [3] 17	De 14	16	1	15			11,687
22	Hammocks	4	40	5	1	2	2	30	Je 51	De 15	26	18	8			54,200
23	Hand stamps	15	106	15	8	6	6	71	Ja 80	De 66	66	54	11	1		92,190
24	Hardware, including saddlery	31	1,316	19	49	55	42	1,151			1,269	1,185	58	24	2	2,633,338
25	Builders' hardware	9	610	6	26	25	18	535	Ja 574	Oc 483	545	508	25	12		1,166,581
26	All other	22	706	13	23	30	24	616	No 728	Je 515	724	677	33	12	2	1,466,757
27	Hats and caps, other than felt, straw, and wool.	38	374	49	12	10	15	288	Je 308	No 256	285	194	87	2	2	195,107
28	Hats, fur-felt	10	704	7	32	18	18	629	Au 1,068	My 195	1,031	605	408	10	8	1,422,351
29	Hats, straw	19	2,546	19	32	89	23	2,383	Mh 3,529	Jy 1,259	2,835	1,016	1,811	3	5	2,905,750
30	Hosiery and knit goods	77	11,093	47	118	134	159	10,635	Fe 11,149	Se 9,901	10,904	2,822	7,877	37	168	15,508,770
31	House-furnishing goods, not elsewhere specified.	29	550	20	34	23	29	444	Je 491	Fe 408	432	235	197			1,030,625
32	Ice, manufactured	6	65	5	1	2		57	Au 65	Ja 48	53	53				320,966
33	Instruments, professional and scientific.	23	755	15	28	68	45	599	My 649	Au 480	679	617	58	4		1,369,143
34	Iron and steel, steel works and rolling mills.	11	3,314	1	111	259	54	2,889	Mh 3,185	No 2,368	2,879	2,879				13,450,020
35	Iron and steel, bolts, nuts, washers, and rivets.	8	1,400	2	26	53	27	1,292	Ja 1,360	No 1,238	1,251	914	331	6		2,269,865
36	Iron and steel forgings	10	755		27	30	15	683	Au 784	Je 607	684	664	16	4		1,950,677
37	Iron and steel, nails and spikes, cut and wrought, including wire nails.	28	1,401	27	51	78	12	1,233	Ja 1,326	Jy 1,184	1,241	926	290	7	18	2,425,303
38	Ivory, shell, and bone work, not including combs and hairpins.	3	56		7		2	47	Ja 53	Oc 35	43	35	8			201,420
39	Japanning	3	8	5				3	([4]) 3	([4]) 3	3	3				2,570
40	Jewelry	202	7,744	237	258	404	340	6,505	Ja 7,606	Jy 5,960	6,528	4,338	1,872	203	115	14,521,053
41	Jewelry and instrument cases	10	442	4	14	20	15	389	Oc 459	De 330	399	145	250	3	1	346,599
42	Labels and tags	5	45	2	3	1	1	38	Mh [3] 39	Au [3] 37	39	20	17	2		40,813
43	Lamps and reflectors	7	354	2	15	11	10	316	Ja 407	Oc 236	251	233	13	5		432,748
44	Lasts	32	1,060	27	51	70	22	890	Fe 1,008	Se 795	861	846	9	6		1,922,544
45	Leather goods, not elsewhere specified.	41	532	39	27	31	19	416	No 529	Ja 327	512	269	229	7	7	637,354
46	Leather, tanned, curried, and finished.	126	10,886	97	178	345	102	10,164	Fe 10,931	Au 9,197	10,754	10,556	168	28	2	47,418,119
47	Lime	11	507	3	18	9	3	474	Se 520	Mh 400	445	445				1,299,019
48	Linen goods	7	1,628		23	43	21	1,541	Oc 1,580	Jy 1,499	1,534	597	805	48	84	3,938,715
49	Liquors, distilled	7	130	5	10	15	7	93	Fe 104	Jy 87	96	96				1,622,102
50	Liquors, malt	26	2,507	10	98	258	35	2,106	Je 2,248	Ja 1,992	2,040	2,030	10			22,373,787
51	Lithographing	13	1,500	5	54	161	62	1,218	Je 1,236	De 1,201	1,201	903	295	3		2,400,253
52	Looking-glass and picture frames	31	206	32	5	10	11	148	No 158	Au [3] 135	158	152	2	4		203,037
53	Lubricating greases	5	23	3	4	3	2	11	De [3] 12	Au [3] 10	12	9	3			71,314
54	Lumber and timber products	277	2,048	354	36	24	9	1,625	Ja 2,012	Au 1,057	2,255	2,243	12			4,455,468
55	Lumber, planing-mill products, not including planing mills connected with sawmills.	198	4,071	180	214	163	91	3,423	Au 3,603	Fe 3,218	3,485	3,441	22	22		7,978,100
56	Marble and stone work	306	4,536	380	113	137	48	3,858	Au 4,279	Fe 2,987	4,050	4,035	3	12		6,981,940
57	Mattresses and spring beds	54	912	48	39	57	28	740	Je 803	De 678	711	549	152	8	2	1,023,087
58	Millinery and lace goods	69	2,393	68	91	118	90	2,026			2,122	469	1,607	11	35	2,116,672
59	Embroideries	5	33	4		2	2	25	De 31	Ja 19	28	3	19	1	5	11,660
60	Trimmed hats and hat frames	27	1,080	26	60	47	32	915	Ap 1,423	Je 584	1,011	365	640	4	2	811,151
61	Dress and cloak trimmings, braids, and fringes.	8	62	10	2		6	44	Ap 50	Jy 40	43	11	31	1		30,139
62	Women's neckwear	9	338	11	3	10	12	302	No 430	Ja 187	339	19	320			175,691
63	All other	20	880	17	26	59	38	740	Ap 781	No 698	701	71	597	5	28	1,088,031

[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.	
$446,023	$364,916	$3,960,588	$62,557	$158,133	$119,139	$5,471,335	$176,617	$13,826,765	$8,178,813	10,666	7,846	542	1,206	1,072	2,778	1
313,243	270,327	3,067,672	60,644	128,937	83,411	3,889,939	122,241	10,008,408	5,996,228	8,569	6,154	479	1,156	780	2,046	2
63,870	27,684	536,378	.....	12,044	19,960	1,045,778	26,864	2,459,634	1,386,992	843	702	16	50	75	700	3
35,327	15,118	77,297	1,101	9,013	3,943	193,975	4,820	412,323	213,528	238	160	2	.....	76	.....	4
33,583	51,787	279,241	812	8,139	11,825	341,643	22,692	946,400	582,065	1,016	830	45	.....	141	32	5
1,975	.....	10,207	.....	1,656	214	18,171	1,338	37,259	17,750	7	.....	.....	.....	7	.....	6
23,100	19,457	90,502	13,668	14,733	1,394	135,102	3,464	448,465	309,899	120	.....	36	.....	84	.....	7
.....	1,872	26,139	350	1,965	223	32,980	720	92,545	58,845	24	.....	9	.....	15	.....	8
19,800	17,060	54,274	13,318	10,700	1,038	99,972	2,149	336,376	234,255	72	.....	22	.....	50	.....	9
3,300	525	10,089	.....	2,068	133	2,150	595	19,544	16,799	24	.....	5	.....	19	.....	10
386,027	446,331	2,141,492	77,120	4,895	1,222,701	1,875,346	4,076,047	15,751,037	9,800,244	11,462	9,807	54	12	1,589	1,627	11
17,209	15,468	137,169	2,766	18,090	1,352	89,513	6,068	371,589	276,008	114	25	44	.....	45	.....	12
4,000	500	24,010	800	2,300	8	34,924	521	92,773	57,328	6	.....	.....	.....	6	.....	13
78,046	65,674	293,647	.....	4,494	30,050	1,657,708	131,039	2,588,733	799,986	1,481	1,376	90	.....	15	257	14
.....	3,454	63,088	1,845	1,776	533	133,064	1,000	232,526	98,462	31	.....	8	.....	23	.....	15
2,675	2,090	17,390	100	1,089	1,073	282,594	3,544	337,686	51,548	90	.....	25	.....	65	.....	16
78,190	50,493	420,107	20,630	2,085	23,810	1,752,501	76,823	2,668,048	838,724	1,244	1,207	16	.....	21	30	17
70,107	42,545	333,165	19,750	1,380	16,622	1,411,132	62,299	2,079,840	606,409	930	916	.....	.....	14	30	18
7,303	7,948	79,830	.....	375	6,827	335,616	13,564	562,045	212,865	182	166	16	.....	.....	.....	19
780	.....	7,112	880	330	361	5,753	960	26,163	19,450	132	125	.....	.....	7	.....	20
1,820	2,164	6,588	338	3,958	194	14,373	84	41,843	27,386	.....	.....	.....	.....	.....	.....	21
1,820	5,325	23,861	25	2,920	551	44,773	1,417	114,085	67,895	56	11	.....	.....	45	.....	22
11,949	8,196	47,326	.....	10,227	1,055	38,583	1,707	167,309	127,019	20	.....	.....	.....	20	.....	23
147,408	80,690	699,378	1,620	16,129	40,793	829,834	35,247	2,322,593	1,457,512	2,223	1,105	114	410	594	588	24
73,230	26,153	332,837	1,580	3,339	23,244	281,658	12,768	1,001,670	707,244	1,098	440	77	410	171	588	25
74,178	54,537	366,541	40	12,790	17,549	548,176	22,479	1,320,923	750,268	1,125	665	37	.....	423	.....	26
14,472	19,082	167,793	.....	21,653	767	399,826	4,541	737,294	332,927	52	.....	.....	.....	52	.....	27
34,931	13,223	278,668	.....	8,650	8,811	453,345	16,973	864,722	394,404	976	900	.....	.....	76	250	28
158,375	129,299	1,450,679	22,148	19,398	24,070	3,136,700	67,959	5,762,048	2,557,389	1,857	1,392	75	75	315	218	29
382,160	236,523	4,736,698	64,118	53,749	158,269	9,032,580	234,091	17,419,077	8,152,406	12,309	7,666	317	2,715	1,611	1,531	30
55,356	43,807	202,990	2,264	9,440	8,099	828,415	16,000	1,350,408	505,993	814	275	15	280	244	12	31
1,300	1,701	49,096	76	6,000	3,563	17,861	57,988	180,212	104,363	2,400	1,822	.....	300	278	45	32
65,586	74,130	416,616	1,348	33,678	7,374	532,956	17,379	1,262,034	711,699	679	390	111	.....	178	125	33
222,334	332,134	1,902,912	22	1,780	99,998	8,085,250	716,561	11,376,008	2,574,197	28,507	23,550	833	843	3,281	3,482	34
85,470	98,015	764,044	116	4,121	29,377	997,177	43,870	2,267,090	1,226,043	2,073	1,724	.....	195	154	774	35
119,975	39,133	523,085	400	1,017	20,641	686,785	152,055	2,075,765	1,236,925	1,826	641	7	.....	1,178	162	36
111,406	93,852	698,212	8,498	15,076	26,547	1,366,461	54,789	2,847,049	1,425,799	3,308	2,251	160	455	442	1,010	37
6,652	1,118	28,448	.....	.....	2,229	258,294	3,102	326,901	65,505	120	120	.....	.....	.....	.....	38
.....	.....	1,775	.....	744	.....	490	260	9,163	8,413	.....	.....	.....	.....	.....	.....	39
580,871	728,915	3,888,999	65,402	244,072	102,098	6,632,409	77,723	14,175,857	7,465,725	4,272	1,128	1,202	125	1,817	119	40
32,140	29,234	150,931	492	13,773	2,060	196,485	8,954	529,262	323,823	106	.....	25	10	71	.....	41
6,310	1,858	22,255	960	6,320	455	18,081	710	69,968	51,177	40	.....	6	2	32	.....	42
38,770	17,435	215,768	501	10,740	6,677	472,592	16,391	960,063	471,080	352	.....	8	.....	344	.....	43
149,266	115,183	653,449	.....	27,691	21,279	555,758	35,801	1,908,646	1,317,087	2,278	1,381	75	.....	822	455	44
42,211	34,588	215,391	13,294	20,937	3,602	727,112	6,395	1,309,049	575,542	218	30	42	.....	146	.....	45
520,983	419,806	5,918,205	500,866	183,306	196,192	32,578,102	615,959	45,265,434	12,071,373	26,534	20,652	468	445	4,969	9,354	46
32,099	27,107	231,293	215	2,250	5,401	189,616	180,626	816,713	446,471	997	537	25	5	430	70	47
83,755	67,203	652,369	541	4,008	40,361	1,733,227	61,896	3,050,254	1,255,131	4,605	3,560	.....	860	185	817	48
29,800	30,655	82,390	.....	5,525	2,849,937	1,175,604	57,926	4,789,601	3,556,071	473	303	5	.....	165	.....	49
496,427	444,130	1,992,322	15,431	929	2,889,342	4,559,968	360,185	15,608,044	10,087,891	12,100	11,342	.....	.....	758	1,475	50
132,820	318,401	873,520	115,780	16,620	26,051	984,920	22,922	2,931,840	1,923,998	943	770	.....	.....	173	1,178	51
10,321	14,592	105,459	456	22,827	1,555	139,908	2,844	428,572	285,820	95	35	5	15	40	.....	52
13,889	5,929	8,112	.....	1,853	352	115,477	848	155,717	39,392	22	.....	.....	.....	22	.....	53
72,939	31,863	883,491	286,316	4,415	82,537	1,990,804	19,568	4,378,974	2,368,602	15,679	9,281	872	4,567	959	300	54
422,548	221,825	2,484,077	36,543	145,951	81,452	6,168,134	108,751	10,650,867	4,373,982	13,929	10,073	1,540	430	1,886	277	55
176,117	192,351	2,888,909	233,881	60,259	58,322	1,656,026	229,077	6,734,313	4,849,210	15,460	11,416	1,076	62	2,906	302	56
93,884	69,971	375,718	.....	80,174	9,858	1,430,756	25,370	2,501,818	1,045,692	1,032	410	60	60	502	115	57
177,236	214,046	939,998	26,608	98,749	14,725	2,851,275	34,909	4,918,886	2,032,702	451	78	12	.....	361	.....	58
.....	3,654	11,349	.....	2,741	25	19,032	218	47,927	28,677	6	.....	.....	.....	6	.....	59
96,070	58,124	521,038	.....	45,166	5,898	1,160,270	19,729	1,988,364	808,365	221	78	12	.....	131	.....	60
4,900	2,268	18,381	.....	6,142	377	47,622	1,393	113,576	64,561	20	.....	.....	.....	20	.....	61
2,624	17,201	104,874	11,785	13,205	806	255,759	3,019	518,637	259,859	40	.....	.....	.....	40	.....	62
73,642	132,799	284,356	14,823	31,495	7,619	1,368,592	10,550	2,250,382	871,240	164	.....	.....	.....	164	.....	63

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

[4] Same number reported throughout the year.

TABLE 45.—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	Mineral and soda waters	171	887	197	50	103	29	508	Je 734	Ja 353	521	509	6	6	.....	$2,000,848
2	Minerals and earths, ground	9	137	7	15	6	4	105	My 116	Au 94	101	96	5	.....	.....	440,616
3	Mirrors, framed and unframed	8	158	3	9	8	6	132	Ja 144	Je 125	127	124	3	.....	.....	213,612
4	Models and patterns, not including paper patterns.	66	443	82	13	17	13	318	Au 333	Je 305	327	313	10	4	.....	260,122
5	Motorcycles, bicycles, and parts	6	2,484	1	69	187	92	2,135	Ja 3,511	Se 1,072	2,517	2,478	26	13	.....	7,183,011
6	Mucilage and paste	22	196	19	27	26	21	103	Jy [3] 109	De 93	95	86	9	.....	.....	820,129
7	Musical instruments and materials	25	359	26	10	20	21	282	.....	.....	302	237	60	4	1	318,809
8	Brass and other metal	4	41	3	1	5	4	28	Ap 31	De [3] 27	27	20	7	.....	.....	34,658
9	Violins and other stringed instruments.	10	80	8	4	2	4	62	Au 70	Oc 54	59	56	2	1	.....	79,687
10	All other	11	238	15	5	13	13	192	De 216	Ja 179	216	161	51	3	1	204,464
11	Musical instruments, organs	9	241	7	12	8	9	205	Mh 227	No 178	198	193	4	1	.....	590,296
12	Musical instruments, pianos	19	2,627	2	63	154	56	2,352	Ja 2,587	Au 2,062	2,274	2,187	53	34	.....	9,459,742
13	Musical instruments, piano and organ materials.	24	1,441	12	43	21	16	1,349	.....	.....	1,308	1,155	153	.....	.....	2,409,982
14	Piano materials	17	1,324	7	39	17	15	1,246	Mh 1,429	De 1,117	1,213	1,075	138	.....	.....	2,131,108
15	Organ materials	7	117	5	4	4	1	103	Fe 112	No 91	95	80	15	.....	.....	278,874
16	Needles, pins, and hooks and eyes	4	591	3	17	22	14	535	Fe 576	Jy 489	558	268	286	3	1	1,175,920
17	Oil, not elsewhere specified	16	378	11	28	18	18	303	.....	.....	298	292	6	.....	.....	1,708,068
18	Fish oil	8	96	8	8	7	4	69	Ja 78	Jy 60	68	68	.....	.....	.....	688,200
19	Oleo oil	3	208	.....	13	6	4	185	Fe [3] 190	Jy 177	184	184	.....	.....	.....	665,804
20	All other	5	74	3	7	5	10	49	Ja 56	De [3] 46	46	40	6	.....	.....	354,064
21	Optical goods	13	2,692	14	55	158	109	2,356	Je 2,505	Se 2,188	2,378	1,681	594	50	53	3,726,288
22	Paints	22	578	5	43	105	31	394	Jy 425	De 375	378	353	21	4	.....	2,267,351
23	Paper and wood pulp	86	14,409	32	263	492	221	13,401	My 13,658	Au 13,055	13,373	9,273	4,084	4	12	47,970,906
24	Paper goods, not elsewhere specified	49	5,315	21	309	630	307	4,048	Fe 4,268	De 3,769	4,043	2,334	1,533	99	77	9,500,842
25	Patent medicines and compounds	130	1,374	98	94	163	125	894	Ja 1,039	Je 774	947	481	460	4	2	3,967,433
26	Paving materials	11	376	1	13	13	7	342	Jy 510	Fe 86	482	476	.....	6	.....	617,951
27	Pens, fountain and stylographic	3	105	3	5	11	6	80	De [3] 82	Au 77	82	60	22	.....	.....	159,618
28	Perfumery and cosmetics	16	198	8	9	10	6	165	Se 186	De 130	176	52	123	.....	1	540,215
29	Photographic materials	4	86	.....	13	.....	4	69	Au 83	De 57	66	54	11	1	.....	187,958
30	Photo-engraving	27	746	13	51	92	48	542	My 560	Se 525	536	500	29	7	.....	500,521
31	Pickles, preserves, and sauces	30	483	20	29	65	16	353	.....	.....	353	204	148	1	.....	1,005,432
32	Preserves	15	341	8	18	44	16	255	Jy 305	Ja 239	248	137	110	1	.....	789,701
33	Pickles and sauces	15	142	12	11	21	.....	98	Ja 104	My 88	105	67	38	.....	.....	215,641
34	Pipes, tobacco	3	46	3	.....	2	.....	41	Ap 46	De 27	27	23	3	1	.....	41,404
35	Plated ware	6	399	.....	12	6	9	372	Oc 394	Ja 333	367	328	38	1	.....	657,069
36	Plumbers' supplies, not elsewhere specified.	19	756	7	28	63	31	627	Jy [3] 673	Se 580	636	594	34	6	2	1,152,383
37	Pocketbooks	10	434	14	17	12	14	377	Mh 463	De 338	360	124	228	3	5	522,590
38	Pottery	8	159	4	10	1	6	138	.....	.....	139	117	21	1	.....	195,530
39	Chinaware	4	37	2	4	.....	1	30	De 32	Oc [3] 29	33	11	21	1	.....	29,709
40	Earthen and stone ware	4	122	2	6	1	5	108	Se 111	De [3] 106	106	106	.....	.....	.....	165,821
41	Printing and publishing, book and job.	741	9,601	716	403	645	775	7,062	.....	.....	7,040	4,975	1,905	127	33	18,276,525
42	Job work only	684	7,847	669	326	229	314	6,309	Mh 6,568	Au 6,019	6,264	4,511	1,594	126	33	10,414,808
43	Book printing and publishing	11	824	19	15	16	26	748	Ap 793	Jy 698	770	459	310	1	.....	1,235,734
44	Book publishing without printing.	46	930	28	62	400	435	5	Fe 8	De [3] 4	6	5	1	.....	.....	6,626,483
45	Printing and publishing, music	9	216	5	14	40	37	120	Ja 128	Au 112	121	98	21	2	.....	568,098
46	Printing and publishing, newspapers and periodicals.	456	10,660	288	581	2,415	1,344	6,032	.....	.....	6,020	5,232	694	74	20	18,429,327
47	Printing and publishing	71	5,826	20	213	1,617	391	3,585	My 3,647	Jy 3,534	3,613	3,362	209	29	13	10,980,182
48	Printing, publishing, and job printing.	189	3,742	132	211	520	457	2,422	Oc 2,506	Au 2,299	2,383	1,857	475	44	7	6,361,426
49	Publishing without printing	196	1,092	136	157	278	496	25	Au [3] 26	Je 23	24	13	10	1	.....	1,078,719
50	Printing materials	6	42	2	7	5	3	25	Oc [3] 29	Ap [3] 23	27	27	.....	.....	.....	92,184
51	Pumps, steam	7	1,366	2	35	102	33	1,194	Ja 1,377	De 1,057	1,195	1,164	29	2	.....	6,535,328
52	Refrigerators	11	173	9	12	5	6	141	Ja 160	Au 108	158	158	.....	.....	.....	290,778
53	Regalia and society badges and emblems.	12	120	6	9	17	10	78	Oc 83	Au 71	92	41	48	1	2	138,607
54	Rubber goods, not elsewhere specified.	42	5,417	3	128	410	133	4,743	Mh 5,282	Au 4,139	4,750	3,952	701	37	60	17,345,185
55	Saddlery and harness	43	326	46	7	9	4	260	De 345	Ja 241	345	313	32	.....	.....	661,174
56	Sausage	61	463	63	12	31	8	349	De 356	Ap 342	356	341	14	1	.....	594,276
57	Scales and balances	4	34	2	4	3	2	23	Ja 29	Oc 18	22	22	.....	.....	.....	30,362
58	Screws, machine	17	407	12	16	14	10	355	No 388	Se 331	376	340	31	3	2	1,112,732
59	Sewing machines	7	1,167	3	25	101	16	1,022	Ja 1,102	Oc 922	952	907	42	2	1	3,064,633
60	Shipbuilding, wooden, including boat building.	81	565	81	31	7	11	435	.....	.....	429	426	1	2	.....	788,574
61	New vessels	16	267	15	19	5	5	223	My 307	Ja 136	210	208	.....	2	.....	315,589
62	Repair work only	10	100	7	9	2	2	80	Je 140	De [3] 58	79	78	1	.....	.....	165,415
63	Small boats	51	181	55	3	.....	4	119	Je 149	De 100	127	127	.....	.....	.....	253,472
64	Masts, spars, oars, and rigging	4	17	4	.....	.....	.....	13	Oc [3] 14	Fe 11	13	13	.....	.....	.....	54,098

[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).		
$120,434	$112,190	$332,796	$150	$48,299	$24,136	$1,049,916	$25,093	$2,441,676	$1,366,667	855	349	70	4	432	55	1
55,918	9,492	61,456	2,226	4,580	6,703	263,484	14,050	488,646	211,112	1,507	603	64	840	.....	.....	2
15,738	16,299	85,076	334	10,900	3,267	224,683	5,654	440,572	210,235	185	80	.....	.....	105	.....	3
23,405	22,653	247,692	1,363	31,658	2,206	77,684	5,714	595,282	511,884	321	.....	72	.....	249	.....	4
152,800	163,778	1,566,698	57,884	1,940	90,450	3,138,695	55,269	7,021,312	3,827,348	2,104	690	.....	100	1,314	195	5
69,639	41,629	72,524	82	12,830	5,431	985,558	11,749	1,552,933	555,626	667	280	73	35	279	2	6
17,865	25,646	204,522	2,212	19,585	3,005	157,820	4,844	418,845	256,181	302	40	56	135	71	.....	7
3,000	5,500	17,854	1,862	3,858	236	12,658	648	50,130	36,824	27	10	3	.....	14	.....	8
8,275	3,146	39,841	.....	6,660	411	40,360	359	126,717	85,998	50	.....	47	.....	3	.....	9
6,590	17,000	146,827	350	9,067	2,358	104,802	3,837	241,998	133,359	225	30	6	135	54	.....	10
30,660	14,002	200,490	225	1,211	4,710	175,516	8,681	470,514	286,317	180	40	60	.....	80	.....	11
219,326	180,500	1,525,669	.....	105,979	89,225	2,245,956	66,897	5,305,154	2,992,301	2,595	2,110	40	105	340	512	12
123,649	32,852	783,362	692	36,020	21,867	1,165,470	39,613	2,437,673	1,232,590	2,330	1,745	100	102	383	81	13
112,749	28,235	700,817	692	35,840	18,771	1,097,672	32,369	2,222,742	1,092,701	2,135	1,745	100	90	200	81	14
10,900	4,617	82,545	.....	180	3,096	67,798	7,244	214,931	139,889	195	.....	.....	12	183	.....	15
47,416	31,630	267,800	.....	5,663	11,844	175,917	13,797	577,119	387,405	390	190	.....	.....	200	.....	16
65,403	25,704	197,006	840	37,452	15,139	2,193,086	46,216	2,975,366	736,064	885	370	11	.....	504	55	17
17,840	7,781	42,893	640	3,452	5,362	809,979	7,319	1,008,204	190,906	117	85	8	.....	24	5	18
24,817	6,675	121,668	.....	33,000	4,591	947,847	35,920	1,387,304	403,537	719	245	.....	.....	474	50	19
22,746	11,248	32,445	200	1,000	5,186	435,260	2,977	579,858	141,621	49	40	3	.....	6	.....	20
196,723	195,520	1,390,181	860	5,380	32,289	1,177,059	18,527	3,993,335	2,797,749	3,048	2,545	55	400	48	2,108	21
104,527	140,424	234,498	991	14,422	30,213	1,780,392	48,697	3,331,782	1,502,693	1,219	718	48	.....	453	115	22
1,040,275	864,152	7,548,620	212,576	205,439	553,659	23,889,103	2,721,645	43,352,545	16,741,797	133,860	68,620	260	51,811	13,169	14,412	23
379,725	938,040	2,115,037	1,198	58,034	100,171	5,703,470	133,370	10,599,526	4,762,686	7,519	5,880	216	60	1,363	1,612	24
290,466	241,743	473,034	7,261	92,111	57,923	2,113,809	25,237	5,782,215	3,643,169	1,241	528	165	.....	548	23	25
35,100	14,386	207,817	.....	7,950	8,136	150,889	26,842	612,411	434,680	2,651	1,746	.....	.....	905	50	26
10,550	29,446	50,998	.....	4,065	584	156,613	1,081	401,578	243,884	24	.....	.....	.....	24	.....	27
26,600	17,414	63,720	.....	15,235	10,833	584,160	975	1,135,133	549,998	38	.....	.....	.....	38	.....	28
27,116	1,565	35,844	.....	.....	2,681	142,058	7,428	265,178	115,692	233	50	.....	.....	183	16	29
124,132	118,628	492,817	26,002	49,924	3,629	153,966	15,806	1,180,289	1,010,517	301	.....	3	.....	298	.....	30
61,601	113,727	204,996	2,682	46,316	10,745	1,520,549	20,155	2,350,610	809,906	515	226	109	.....	180	112	31
42,532	81,791	138,650	2,682	39,184	8,602	1,156,202	16,435	1,723,716	551,079	462	224	107	.....	131	112	32
19,069	31,936	66,346	.....	7,132	2,143	364,347	3,720	626,894	258,827	53	2	2	.....	49	.....	33
.....	1,439	26,155	.....	2,300	410	22,072	765	57,527	34,690	30	.....	14	.....	16	.....	34
36,207	17,228	268,179	.....	4,200	8,062	212,729	17,053	588,826	359,044	1,099	920	.....	75	104	104	35
73,273	79,797	375,247	.....	21,756	8,585	569,098	26,134	1,330,495	735,263	888	135	188	85	480	30	36
48,316	30,492	172,486	688	6,831	4,700	336,567	2,983	738,954	399,404	68	.....	.....	.....	68	.....	37
9,680	4,248	85,305	40	852	4,900	25,095	11,567	170,405	133,743	249	200	11	.....	38	36	38
3,430	416	15,975	40	852	21	1,173	1,444	34,649	32,032	19	.....	11	.....	8	.....	39
6,250	3,832	69,330	.....	.....	4,879	23,922	10,123	135,756	101,711	230	200	.....	.....	30	36	40
998,826	1,395,795	4,837,871	2,228,472	539,560	121,432	5,344,811	168,927	20,245,246	14,731,508	6,638	1,445	276	12	4,905	867	41
704,936	454,971	4,261,200	172,000	463,701	87,844	3,971,996	158,002	12,926,506	8,796,508	5,880	720	276	12	4,872	117	42
35,825	30,041	574,916	14,493	11,778	6,706	812,141	10,251	1,822,525	1,000,133	758	725	.....	.....	33	750	43
258,065	910,783	1,755	2,041,979	64,081	26,882	560,674	674	5,496,215	4,934,867	.....	.....	.....	.....	.....	.....	44
29,891	59,027	76,233	142,374	18,427	4,783	159,295	2,669	609,956	447,992	96	.....	.....	.....	96	.....	45
1,794,160	3,461,841	5,364,438	1,729,692	441,436	215,247	8,202,009	247,134	26,719,398	18,270,255	10,051	1,814	329	30	7,878	933	46
949,665	2,098,457	3,632,498	90,799	236,017	138,618	5,938,185	146,186	16,002,428	9,918,057	6,128	547	67	.....	5,514	10	47
490,645	791,039	1,723,768	309,143	128,071	70,791	1,819,202	100,474	7,081,242	5,161,566	3,922	1,267	262	30	2,363	923	48
353,850	572,345	8,172	1,329,750	77,348	5,838	444,622	474	3,635,728	3,190,632	1	.....	.....	.....	1	.....	49
16,800	6,544	20,835	.....	9,062	927	49,822	959	155,084	104,303	19	.....	.....	.....	19	.....	50
116,746	163,807	772,435	10,034	5,590	31,502	1,097,635	51,341	3,792,950	2,643,974	3,138	980	25	40	2,093	825	51
36,999	11,650	123,006	350	4,940	3,777	205,376	4,516	454,292	244,400	253	120	93	.....	40	.....	52
12,160	17,934	56,587	1,509	9,722	594	116,318	702	262,526	145,506	29	.....	10	.....	19	.....	53
459,407	512,969	2,845,043	1,539	16,820	146,872	13,800,293	341,445	23,011,349	8,869,611	17,515	12,236	75	810	4,394	3,953	54
7,185	9,863	173,668	.....	12,589	5,677	491,026	4,844	836,524	340,654	89	50	.....	.....	39	1	55
30,904	27,022	247,806	300	25,503	8,118	2,019,964	27,514	2,722,167	674,689	970	147	75	.....	748	.....	56
6,200	4,106	14,005	.....	2,115	325	20,422	1,068	50,421	28,931	26	.....	10	.....	16	.....	57
35,858	18,674	205,376	669	11,721	6,579	213,439	16,852	570,512	340,221	852	125	145	.....	582	.....	58
96,779	130,972	617,630	1,014	8,357	42,111	492,209	23,151	1,660,867	1,145,507	1,642	1,250	10	291	91	330	59
58,607	13,009	328,025	11,842	35,154	8,685	385,373	9,900	1,061,115	665,842	1,513	696	269	.....	548	2	60
44,405	8,331	172,278	9,429	25,129	3,757	206,635	4,421	563,436	352,380	761	420	71	.....	270	.....	61
11,097	2,733	55,546	738	2,950	1,855	43,153	1,779	144,948	100,016	291	185	44	.....	62	2	62
3,105	1,945	89,091	1,675	6,483	2,531	105,000	2,747	299,194	191,447	403	91	154	.....	158	.....	63
.....	.....	11,110	.....	592	542	30,585	953	53,537	21,999	58	.....	.....	.....	58	.....	64

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

TABLE 45.—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	Shirts	14	1,956	16	25	12	18	1,885	De 2,023	Au 1,680	1,874	841	1,022	1	10	$1,780,445
2	Show cases	12	102	11	5	3	4	79	My 94	De 71	74	72	1	1	.....	81,452
3	Signs and advertising novelties	20	475	13	24	30	22	386	.....	.....	402	217	181	4	.....	350,393
4	Signs, other than electric	9	147	5	14	10	6	112	Ap 118	De[3] 104	105	96	8	1	.....	88,456
5	Advertising novelties	11	328	8	10	20	16	274	De[3] 301	Jy 250	297	121	173	3	.....	261,937
6	Silk goods, including throwsters	19	4,724	10	44	117	58	4,495	.....	.....	4,533	1,401	3,019	49	64	11,089,598
7	Finished products	15	4,367	6	39	108	51	4,163	Ja 4,355	Au 3,904	4,225	1,312	2,802	49	62	10,665,497
8	Throwsters and winders	4	357	4	5	9	7	332	Mh 362	Au 302	308	89	217	.....	2	424,101
9	Silversmithing and silverware	11	2,039	2	35	143	68	1,791	De 1,877	Jy 1,692	1,804	1,574	213	16	1	6,146,836
10	Slaughtering and meat packing	46	3,737	34	52	368	50	3,233	Ja 3,659	My 2,996	3,433	3,391	38	4	.....	18,470,685
11	Soap	32	634	20	32	82	40	460	Fe 495	Au 422	465	344	118	.....	3	3,421,150
12	Sporting and athletic goods	15	1,385	9	23	43	35	1,275	De 1,352	Au 1,109	1,373	982	364	10	17	2,239,473
13	Springs, steel, car and carriage	7	60	11	3	.....	1	45	Je[3] 53	De[3] 37	37	37	.....	.....	.....	69,190
14	Stamped ware	17	752	10	40	41	35	626	Ja 700	Oc 543	658	586	61	11	.....	1,210,182
15	Stationery goods, not elsewhere specified.	27	2,990	13	85	260	165	2,467	Mh 2,621	Jy 2,240	2,509	1,053	1,418	14	24	4,747,454
16	Statuary and art goods	13	164	15	11	2	4	132	Je 141	Oc 117	129	129	.....	.....	.....	451,511
17	Steam fittings and steam and hot-water heating apparatus.	21	3,642	7	93	274	93	3,175	Mh 3,286	De 2,994	3,176	3,089	86	1	.....	7,365,324
18	Steam packing	11	104	4	12	14	3	71	Ja 82	Oc 59	66	66	.....	.....	.....	207,916
19	Stencils and brands	17	58	15	4	1	1	37	Ja 43	De[3] 33	35	35	.....	.....	.....	40,818
20	Stereotyping and electrotyping	15	318	12	22	22	12	250	Ap 264	De[3] 230	236	212	16	8	.....	306,526
21	Stoves, hot-air furnaces, and ranges	13	1,621	23	37	81	34	1,446	Mh 1,576	Ja 1,270	1,397	1,392	5	.....	.....	2,984,888
22	Structural ironwork, not made in steel works or rolling mills.	51	2,044	31	91	218	42	1,662	Au 1,705	Mh 1,604	1,674	1,660	6	8	.....	3,232,072
23	Surgical appliances	14	319	15	12	25	18	249	De[3] 263	Jy 213	266	198	67	1	.....	634,852
24	Suspenders, garters, and elastic woven goods.	30	3,207	18	77	97	87	2,928	Mh 3,071	De 2,697	2,947	1,036	1,787	32	92	5,060,141
25	Tinware, not elsewhere specified	15	791	15	22	38	31	685	Oc 796	Fe 611	682	577	65	37	3	3,815,206
26	Tobacco, chewing and smoking, and snuff.	15	59	15	6	7	.....	31	.....	.....	30	16	14	.....	.....	84,942
27	Chewing	4	8	5	.....	.....	.....	3	(4) 3	(4) 3	3	2	1	.....	.....	10,080
28	Smoking and snuff	11	51	10	6	7	.....	28	Ap 32	Oc 25	27	14	13	.....	.....	74,862
29	Tobacco, cigars and cigarettes	321	4,430	344	67	92	32	3,895	.....	.....	3,864	2,816	1,038	8	2	4,243,369
30	Cigars	310	4,387	337	62	91	30	3,867	Fe 3,993	Jy 3,781	3,838	2,800	1,028	8	2	4,163,557
31	Cigarettes	11	43	7	5	1	2	28	Fe[3] 32	No[3] 25	26	16	10	.....	.....	79,812
32	Tools, not elsewhere specified	100	5,168	83	143	251	153	4,538	.....	.....	4,467	4,175	244	38	10	14,410,951
33	Shovels, spades, scoops, and hoes	3	319	2	8	12	3	294	De 309	Jy 282	296	291	.....	5	.....	2,386,573
34	Carpenters'	4	194	2	7	3	4	178	Ap 187	De 166	166	166	.....	.....	.....	353,470
35	Machinists'	13	1,532	7	39	84	62	1,340	Ja 1,484	No 1,205	1,354	1,218	118	15	3	6,409,840
36	All other	80	3,123	72	89	152	84	2,726	Ja 2,860	No 2,619	2,651	2,500	126	18	7	5,261,068
37	Toys and games	18	1,486	14	21	39	31	1,381	Oc 1,782	Ja 864	1,439	937	442	36	24	1,728,045
38	Trunks and valises	25	490	26	25	41	21	377	Ap 412	Ja 305	392	290	75	12	15	716,081
39	Umbrellas and canes	7	110	6	3	14	4	83	Je 93	Se 77	88	39	49	.....	.....	90,256
40	Upholstering materials, not elsewhere specified.	8	221	2	12	8	2	197	No 231	Jy 177	207	190	13	2	2	1,059,640
41	Varnishes	12	217	3	20	77	21	96	Ap[3] 111	Se[3] 83	102	96	6	.....	.....	914,027
42	Vinegar and cider	53	151	63	4	1	5	78	.....	.....	146	144	1	1	.....	423,964
43	Vinegar	13	42	14	1	.....	2	25	Oc 51	Ap 14	41	41	.....	.....	.....	170,285
44	Cider	40	109	49	3	1	3	53	No 145	My 22	105	103	1	1	.....	253,679
45	Waste	11	884	9	26	32	17	800	Mh 839	Jy 760	822	500	320	.....	2	1,964,200
46	Watch and clock materials	5	177	7	3	3	6	158	De 181	Au 123	181	62	115	4	.....	137,995
47	Whips	21	1,215	22	35	127	35	996	Ap 1,034	Oc 951	953	678	265	7	3	2,516,156
48	Window and door screens and weather strips.	23	159	27	5	8	6	113	Je[3] 173	Ja 74	88	86	2	.....	.....	136,413
49	Window shades and fixtures	14	134	10	10	11	6	97	My 105	Au 91	102	67	34	1	.....	260,969
50	Wire	8	3,225	10	94	160	62	2,899	Ja 3,174	De 2,661	2,933	2,840	90	2	1	8,244,816
51	Wirework, including woven-wire fencing.	30	2,193	13	44	108	78	1,950	Mh 2,036	De 1,830	1,832	1,437	379	14	2	5,420,293
52	Wood, turned and carved	62	1,502	66	46	31	20	1,339	Ap 1,451	Ja 1,239	1,330	1,269	29	32	.....	1,756,118
53	Wooden goods, not elsewhere specified.	18	473	19	11	5	8	430	Mh 440	Oc 416	435	428	7	.....	.....	568,613
54	Wool scouring	10	625	3	22	19	4	577	Mh 638	Je 499	615	585	30	.....	.....	1,515,096
55	Wool shoddy	17	514	11	30	20	7	446	De 521	Oc 381	522	492	30	.....	.....	1,370,298
56	Woolen and worsted goods	156	54,919	85	492	605	360	53,377	Ap 57,036	De 47,187	56,245	33,120	21,538	591	996	138,999,182
57	All other industries *	164	20,715	94	451	1,463	499	18,208	.....	.....	.....	.....	.....	.....	.....	92,144,424

[1] Owned power only.

[2] Includes rented power, other than electric.

* All other industries embrace—

Aeroplanes and parts	1
Aluminum ware	3
Ammunition	2
Artificial flowers	1
Artists' materials	2
Asbestos products	3
Babbitt and type metal and solder	5
Bags, other than paper	6
Bags, paper, not including bags made in paper mills	1
Belting and hose, rubber	3
Bluing	6
Bone and lamp black	2
Butter, reworking	1
Candles	1
Cardboard, not made in paper mills	1
Cars, electric-railroad, not including operations of railroad companies	1
Cars, steam-railroad, not including operations of railroad companies	3
Cash registers and calculating machines	3
Charcoal	2
China decorating, not including that done in potteries	1
Coke, not including gas-house coke	1
Collars and cuffs, men's	1
Cork, cutting	2
Crucibles	2
Dairymen's, poultrymen's, and apiarists' supplies	3
Drug grinding	2
Engravers' materials	1
Explosives	2
Fertilizers	4
Fire extinguishers, chemical	2
Foundry supplies	1
Furs, dressed	1
Gas machines and gas and water meters	4
Glass	2
Glucose and starch	4
Hat and cap materials	2
Hats, wool felt	2

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

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

EXPENSES.										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.	
$38,921	$21,367	$778,577	.....	$19,525	$7,888	$1,367,015	$14,953	$3,396,080	$2,014,112	450	378	5	.....	67	96	1
7,550	3,408	60,352	.....	6,825	354	89,155	2,694	202,399	110,550	157	.....	15	.....	142	.....	2
48,211	46,383	211,258	$325	101,071	3,246	282,337	6,584	724,540	435,619	177	.....	.....	.....	177	.....	3
24,975	14,086	83,757	100	91,725	1,544	104,923	2,840	295,042	187,279	90	.....	.....	.....	90	.....	4
23,236	32,297	127,501	225	9,346	1,702	177,414	3,744	429,498	248,340	87	.....	.....	.....	87	.....	5
238,632	352,330	2,091,891	234,414	11,677	53,899	5,852,544	108,593	10,676,681	4,715,544	6,635	1,805	704	1,587	2,539	913	6
230,078	335,990	1,965,953	232,221	9,437	48,892	5,276,479	97,418	9,854,151	4,480,254	5,657	1,395	679	1,212	2,371	868	7
8,554	16,340	125,938	2,193	2,240	5,007	576,065	11,175	822,530	235,290	978	410	25	375	168	45	8
137,303	382,564	1,199,866	.....	8,345	42,456	1,946,907	50,896	4,953,595	2,955,792	1,631	1,132	75	215	209	585	9
144,475	373,213	1,893,645	41,311	44,823	148,627	45,201,441	226,898	51,724,520	6,296,181	5,772	3,594	66	.....	2,112	110	10
95,894	104,305	260,473	3,803	22,964	33,514	2,411,326	64,694	4,671,310	2,195,290	1,400	1,082	25	.....	293	200	11
49,920	60,550	767,126	34,462	4,827	12,961	1,956,579	27,419	3,423,980	1,439,982	1,188	440	110	375	263	1,171	12
4,250	520	37,126	143	1,746	499	36,853	4,302	110,264	69,109	82	.....	.....	.....	82	.....	13
141,676	76,854	373,642	4,992	15,407	12,554	545,690	22,828	1,437,909	869,391	1,481	400	150	.....	931	307	14
331,147	500,323	1,248,491	200	51,475	31,309	3,511,797	40,273	6,511,512	2,959,442	1,282	285	265	1	731	404	15
24,100	5,508	106,887	953	11,971	3,779	52,653	2,005	282,200	227,542	60	.....	5	.....	55	.....	16
321,858	333,944	2,018,627	.....	21,436	73,512	1,869,772	149,041	5,910,286	3,891,473	2,810	1,257	24	.....	1,529	1,257	17
22,413	19,331	56,893	.....	5,954	1,190	147,979	3,420	311,047	159,648	154	67	15	.....	72	.....	18
5,148	2,316	25,441	.....	7,490	491	14,286	1,080	85,760	70,394	25	.....	.....	.....	25	.....	19
41,646	22,251	167,449	42	17,332	3,399	112,625	15,800	485,371	356,946	489	.....	50	5	434	.....	20
117,418	123,032	1,115,895	3,094	2,395	35,814	816,440	76,149	2,983,832	2,091,243	1,961	1,110	130	20	701	184	21
209,718	223,691	1,227,649	11,929	39,480	32,010	2,035,512	48,263	4,311,823	2,228,048	2,415	1,260	290	.....	865	1,442	22
16,448	61,231	149,265	275	12,318	7,297	1,027,876	11,144	1,459,021	420,001	322	300	.....	.....	22	.....	23
226,849	190,667	1,411,316	24,730	21,014	60,406	3,533,586	47,100	6,323,312	2,742,626	1,650	1,230	38	100	282	594	24
54,098	63,131	340,706	.....	31,327	13,250	1,213,485	13,320	2,144,455	917,650	342	150	31	.....	161	290	25
5,250	5,880	12,297	.....	5,688	31,433	87,452	859	200,672	112,361	183	35	4	130	14	1	26
.....	.....	1,790	.....	2,180	3,139	15,036	149	23,416	8,231	6	.....	.....	.....	6	.....	27
5,250	5,880	10,507	.....	3,508	28,294	72,416	710	177,256	104,130	177	35	4	130	8	1	28
159,392	151,511	3,097,598	2,043	89,351	681,641	3,708,201	14,296	9,068,728	5,346,231	156	.....	5	.....	151	.....	29
153,732	145,856	3,082,837	2,043	86,167	655,479	3,631,020	13,802	8,924,076	5,279,254	143	.....	5	.....	138	.....	30
5,660	5,655	14,761	.....	3,184	26,162	77,181	494	144,652	66,977	13	.....	.....	.....	13	.....	31
364,012	489,847	2,836,009	7,199	29,084	171,233	2,352,039	208,332	8,619,903	6,059,532	8,669	4,060	509	1,268	2,832	2,617	32
21,480	22,543	145,313	.....	.....	7,064	267,408	16,452	634,606	350,746	717	480	50	187	.....	15	33
15,667	5,766	104,787	.....	540	2,361	33,230	5,102	180,213	141,881	490	140	60	197	93	50	34
132,357	218,388	831,208	.....	5,324	83,411	465,846	47,045	2,543,016	2,030,125	3,454	1,445	24	486	1,499	1,197	35
194,508	243,150	1,754,701	7,199	23,220	78,397	1,585,555	139,733	5,262,068	3,536,780	4,008	1,995	375	398	1,240	1,355	36
60,687	81,884	636,487	311	6,345	14,678	1,105,947	22,994	2,535,988	1,407,047	1,119	640	5	165	309	105	37
41,778	54,681	223,695	.....	25,933	8,189	646,395	3,393	1,138,108	488,320	69	6	5	.....	58	.....	38
3,472	18,142	29,671	.....	6,440	950	141,479	2,410	215,656	71,767	50	.....	20	.....	30	.....	39
31,004	11,563	105,100	.....	1,876	7,499	1,214,443	17,530	1,477,198	245,225	1,014	560	11	.....	443	70	40
76,311	108,749	67,466	3,000	2,375	7,636	783,374	9,093	1,543,958	751,491	192	20	.....	75	97	.....	41
8,360	2,906	47,276	1,368	2,923	3,348	194,934	4,837	391,159	191,388	963	468	207	142	146	6	42
1,000	716	16,406	100	.....	1,562	97,747	1,936	151,246	51,563	307	223	8	.....	76	.....	43
7,360	2,190	30,870	1,268	2,923	1,786	97,187	2,901	239,913	139,825	656	245	199	142	70	6	44
67,323	44,992	308,606	.....	28,391	20,134	3,308,642	29,574	3,779,872	441,656	1,950	1,310	75	335	230	15	45
3,381	4,683	84,457	521	870	1,037	33,566	3,646	165,755	128,543	30	.....	.....	3	27	.....	46
81,963	272,941	493,170	1,345	24,837	20,020	1,153,780	14,149	2,804,281	1,636,352	758	345	45	.....	368	7	47
8,604	10,160	66,501	1,222	7,941	815	110,259	2,860	271,578	158,459	227	.....	117	40	70	.....	48
12,760	17,581	54,365	258	7,738	2,077	386,409	2,443	589,072	200,220	46	.....	3	.....	43	.....	49
197,022	231,322	2,005,164	15,282	7,588	65,170	4,265,454	390,511	8,389,073	3,733,108	15,142	7,273	20	614	7,235	1,986	50
154,160	176,365	1,079,129	5,693	24,669	55,534	2,286,834	44,081	4,877,699	2,546,784	2,648	1,585	96	.....	967	460	51
61,819	46,432	588,277	1,926	13,051	16,569	727,027	20,103	1,761,668	1,014,538	3,175	1,760	295	716	404	64	52
15,976	8,576	218,029	1,902	7,661	12,315	420,765	4,126	788,353	363,462	1,558	952	79	480	47	15	53
33,315	26,390	333,741	.....	3,300	17,434	668,117	59,111	1,406,674	679,446	4,479	2,590	.....	1,215	674	.....	54
74,412	22,110	240,059	.....	5,180	10,980	1,197,577	69,023	1,903,016	636,416	3,106	1,765	156	1,010	175	.....	55
1,973,808	1,030,153	26,928,480	360,032	139,409	1,186,003	78,238,832	2,914,061	127,351,434	46,198,541	139,622	110,222	838	22,277	6,285	63,607	56
1,586,493	2,147,326	12,271,221	3,076	132,193	637,394	44,349,881	2,975,721	73,892,103	26,566,501	41,469	31,277	684	714	8,794	20,719	57

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

[4] Same number reported throughout the year.

Horseshoes	3
Ink, printing	1
Ink, writing	3
Iron and steel, blast furnaces	1
Iron and steel, doors and shutters	1
Lard, not made in slaughtering and meat-packing establishments	1
Lead, bar, pipe, and sheet	1
Matches	1
Nets and seines	2
Oakum	1
Oil, essential	1
Oilcloth, enameled	2
Oleomargarine	1
Paper patterns	1
Peanuts, grading, roasting, cleaning, and shelling	2
Pens, gold	2
Phonographs and graphophones	1
Photographic apparatus	1
Pumps, not including power pumps	3
Roofing materials	5
Sand and emery paper and cloth	1
Sand-lime brick	1
Saws	10
Screws, wood	2
Shipbuilding, iron and steel	3
Smelting and refining, not from the ore	3
Soda-water apparatus	5
Stoves, gas and oil	3
Sugar, refining	2
Theatrical scenery	1
Type founding	3
Typewriter supplies	3
Vault lights and ventilators	2
Wall paper, not made in paper mills	2
Washing machines and clothes wringers	1
Watches	2
Windmills	1
Wool pulling	1

TABLE 45.—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	**BOSTON**—All industries	3,138	96,913	2,656	3,192	7,731	4,440	78,894	Mh 81,581	Au 76,565	79,944	53,752	24,936	509	747	$215,176,513
2	Artificial limbs	4	19	2	2	2	1	12	Au.[3] 14	Ap 9	11	10	1	.....	.....	11,537
3	Automobile bodies and parts	10	242	7	17	15	10	193	Jy 228	De 141	186	185	1	.....	.....	287,051
4	Automobile repairing	9	78	7	6	1	4	60	Jy 68	De [3] 53	55	54	.....	1	.....	53,232
5	Awnings, tents, and sails	19	224	17	9	14	11	173	Je 277	De 124	164	108	56	.....	.....	160,261
6	Baking powders and yeast	3	12	1	1	2	2	6	(4) 6	(4) 6	6	5	1	.....	.....	6,983
7	Baskets, and rattan and willow ware	3	9	3	.....	.....	.....	6	(4) 6	(4) 6	6	5	1	.....	.....	1,165
8	Belting, leather	4	71	.....	7	6	6	52	Fe.[3] 55	De.[3] 50	50	48	1	1	.....	310,126
9	Blacking, stains, and dressings	15	207	15	27	49	8	108	My 123	No [3] 98	105	56	49	.....	.....	438,565
10	Bookbinding and blank-book making	53	1,578	45	52	40	39	1,402	No 1,438	Ja 1,353	1,381	608	751	10	12	974,711
11	Boot and shoe cut stock	20	685	15	30	56	29	555	No 620	Ap 497	706	646	47	13	.....	4,577,643
12	Boot and shoe findings	15	582	10	31	19	25	497	Ja 553	Au 453	504	328	175	1	.....	1,117,000
13	Boots and shoes	16	6,935	10	82	173	301	6,369	Fe 6,704	Se 5,833	6,690	3,837	2,532	104	217	8,455,193
14	Boxes and cartons, paper	19	795	12	25	19	14	725	Ja 765	De 680	734	172	541	1	20	319,776
15	Brass, bronze, and copper products	27	240	25	17	7	6	185	Se 192	De 172	172	168	.....	4	.....	258,417
16	Bread and other bakery products	312	3,613	333	34	390	155	2,701	Mh 2,763	Se 2,640	2,660	1,763	883	13	1	3,471,714
17	Buttons	3	23	4	.....	.....	1	18	Jy 20	De [3] 17	18	6	12	.....	.....	15,199
18	Canning and preserving, fish	9	233	7	7	30	8	181	Oc 274	My 111	184	110	74	.....	.....	307,614
19	Carriage and wagon materials	3	39	7	.....	1	1	30	My 35	De 22	22	22	.....	.....	.....	119,424
20	Carriages and wagons and repairs	28	364	27	14	12	2	309	.....	.....	283	283	.....	.....	.....	348,422
21	Carriages and wagons	18	290	18	10	10	2	250	My 285	De 222	229	229	.....	.....	.....	297,636
22	Repair work only	10	74	9	4	2	.....	59	My 70	De [3] 51	54	54	.....	.....	.....	50,786
23	Cars and general shop construction and repairs by steam-railroad companies.	5	3,786	.....	26	130	2	3,628	Fe 3,747	Mh 3,453	3,681	3,660	19	2	.....	3,685,485
24	Chemicals	8	48	6	9	5	4	24	Ap [3] 29	Je [3] 19	24	22	.....	2	.....	186,688
25	Cleansing and polishing preparations.	12	84	3	19	16	13	33	.....	.....	33	22	10	.....	1	177,020
26	Cleansing preparations	6	40	2	9	5	7	17	De [3] 18	Mh 15	18	16	2	.....	.....	119,994
27	Polishing preparations	6	44	1	10	11	6	16	Ap 19	No [3] 14	15	6	8	.....	1	57,026
28	Cloth, sponging and refinishing	4	64	5	3	.....	.....	56	Ap 62	No 50	53	53	.....	.....	.....	24,525
29	Clothing, men's	176	5,252	209	88	264	114	4,577	.....	.....	4,753	2,428	2,295	7	23	5,745,389
30	Men's, youths', and boys'	81	3,769	79	84	260	113	3,233	Mh 3,392	De 3,171	3,244	1,604	1,614	6	20	5,618,730
31	All other	4	56	7	2	.....	1	46	De 60	Au 35	60	9	51	.....	.....	54,811
32	Contract work	91	1,427	123	2	4	.....	1,298	De 1,391	Jy 1,246	1,449	815	630	1	3	71,848
33	Clothing, men's, buttonholes	3	9	4	.....	1	.....	4	De [3] 5	Se [3] 3	5	3	2	.....	.....	1,050
34	Clothing, women's	139	4,648	154	129	214	187	3,964	.....	.....	3,938	1,171	2,730	.....	37	2,905,122
35	Suits, skirts, and cloaks	59	2,010	67	59	109	87	1,688	Oc 1,985	Jy 1,367	1,698	894	785	.....	19	1,080,002
36	Shirt waists and dresses, except house dresses.	37	1,385	38	32	44	60	1,211	Oc 1,394	Jy 967	1,251	190	1,058	.....	3	795,487
37	Undergarments and petticoats	19	678	24	19	42	21	572	Ap 626	Au 455	515	42	458	.....	15	600,612
38	Wrappers and house dresses	8	145	10	5	8	8	114	Je 125	Jy 92	109	13	96	.....	.....	130,825
39	All other	13	408	11	14	11	10	362	Oc 412	Ja 287	347	26	321	.....	.....	296,398
40	Contract work	3	22	4	.....	.....	1	17	Jy 24	Au 8	18	6	12	.....	.....	1,798
41	Coffee and spice, roasting and grinding.	17	826	18	24	273	65	446	Se 460	De 437	437	267	168	1	1	3,559,279
42	Confectionery and ice cream	72	5,833	44	140	338	197	5,114	.....	.....	5,532	1,332	4,000	7	193	8,031,639
43	Confectionery	61	5,751	31	132	335	189	5,064	No 5,784	Fe 4,198	5,495	1,298	3,997	7	193	7,799,653
44	Ice cream	11	82	13	8	3	8	50	Au 79	Fe [3] 25	37	34	3	.....	.....	231,986
45	Copper, tin, and sheet-iron work	64	1,087	81	49	110	37	810	No 848	Ap 754	845	834	5	6	.....	1,379,027
46	Cotton goods	5	769	2	11	7	2	747	De 801	My 718	801	410	376	9	6	2,198,762
47	Dental goods	8	82	6	4	9	8	55	Oc 57	Au 52	57	29	25	3	.....	70,214
48	Druggists' preparations	9	181	3	10	27	24	117	My 133	Fe 93	122	62	60	.....	.....	437,306
49	Dyestuffs and extracts	10	85	6	9	6	3	61	Mh 67	De [3] 57	57	57	.....	.....	.....	455,129
50	Electrical machinery, apparatus, and supplies.	30	1,705	10	66	78	70	1,481	Ja 1,751	No. 1,256	1,460	1,052	376	18	14	3,486,548
51	Electroplating	23	149	26	4	7	4	108	My [3] 113	Au 103	105	102	3	.....	.....	71,633
52	Engraving and diesinking	20	72	19	.....	3	3	47	Mh [3] 50	Au 42	46	45	.....	1	.....	45,534
53	Engraving, steel and copper plate, including plate printing.	24	420	19	19	16	19	347	De 370	Fe 329	363	200	159	2	2	553,128
54	Engraving, wood	3	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,246
55	Fancy articles, not elsewhere specified.	7	67	6	4	4	1	52	Ja 57	My 43	57	36	20	1	.....	53,301
56	Flavoring extracts	9	105	6	9	29	9	52	Je 68	Ja 41	46	22	24	.....	.....	350,552
57	Food preparations, not elsewhere specified.	21	438	20	26	84	51	257	Ja 324	Au 205	311	210	100	1	.....	631,361
58	Foundry and machine-shop products.	164	6,348	96	275	527	174	5,276	.....	.....	5,244	5,171	44	23	6	13,748,724
59	Boiler shops	3	153	.....	11	3	2	137	Jy 156	Fe 108	122	122	.....	.....	.....	182,528
60	Foundries	6	582	3	21	31	11	516	My 584	De 453	453	453	.....	.....	.....	818,916
61	Machine shops	155	5,613	93	243	493	161	4,623	Ja 5,116	No 3,837	4,669	4,596	44	23	6	12,747,280
62	Fur goods	17	312	22	4	56	22	208	No 299	Mh 135	275	139	136	.....	.....	522,963
63	Furnishing goods, men's	7	325	6	9	43	30	237	No 290	Ja 180	277	35	238	1	3	425,700
64	Furniture	46	963	44	48	54	27	790	.....	.....	768	722	46	.....	.....	951,652
65	Wood, other than rattan and willow.	33	627	37	29	31	15	515	No 538	Jy 487	510	476	34	.....	.....	574,309
66	Rattan and willow	3	133	1	6	12	5	109	Jy 129	Ja 95	103	96	7	.....	.....	123,178
67	Metal	5	86	2	7	8	4	65	Oc 91	Je 50	77	72	5	.....	.....	113,716
68	Store and office fixtures	5	117	4	6	3	3	101	Mh 116	De 78	78	78	.....	.....	.....	140,449

[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.																
$8,931,932	$12,312,072	$49,444,277	$5,432,998	$4,232,766	$5,202,789	$146,724,740	$3,843,540	$284,802,479	$13,4234,199	85,897	47,235	6,250	920	31,492	22,184	1
1,820	1,224	8,791	.....	2,505	48	7,533	1,147	31,379	22,699	23	.....	.....	.....	23	.....	2
28,704	19,530	147,401	1,165	24,602	2,550	132,648	6,928	448,703	309,127	147	.....	.....	.....	147	.....	3
8,884	3,671	55,032	.....	13,457	430	56,246	3,224	179,809	120,339	70	.....	14	.....	56	.....	4
23,580	19,494	108,007	303	18,281	1,587	275,106	4,391	517,183	237,686	48	.....	.....	.....	48	.....	5
900	2,191	2,884	.....	868	58	10,585	85	21,796	11,126	6	.....	.....	.....	6	.....	6
.....	.....	2,876	.....	620	15	1,810	132	7,300	5,358	3	.....	.....	.....	3	.....	7
17,822	17,776	36,290	37,100	6,016	2,984	621,585	1,883	903,887	280,419	53	.....	18	.....	35	.....	8
89,350	61,241	59,297	.....	12,355	3,285	313,249	3,338	689,724	373,137	110	35	4	.....	71	.....	9
107,769	68,834	736,943	15,250	98,937	9,802	510,834	14,999	1,824,295	1,298,462	495	.....	24	.....	471	.....	10
79,888	113,946	336,758	.....	60,433	11,963	10,079,687	13,611	11,103,734	1,010,436	381	50	47	.....	284	.....	11
63,416	30,577	270,751	1,793	32,073	5,253	2,145,124	10,965	2,805,564	649,475	386	150	72	.....	164	135	12
347,694	487,003	3,421,074	21,626	45,319	47,942	7,150,490	79,398	13,253,410	6,023,522	3,391	1,000	503	.....	1,888	704	13
51,411	25,167	308,445	771	41,358	4,104	357,572	6,529	882,189	518,088	308	150	13	.....	145	.....	14
22,422	7,346	140,915	2,227	25,036	1,366	216,825	16,503	500,120	266,792	266	50	33	.....	183	.....	15
93,223	478,760	1,546,740	1,156	217,478	48,072	5,665,815	164,293	11,413,378	5,583,270	2,235	1,180	18	.....	1,037	1,139	16
.....	1,040	7,826	.....	1,722	26	9,401	.....	32,170	22,769	.....	.....	.....	.....	.....	.....	17
16,480	32,192	87,688	.....	10,840	1,183	393,316	2,293	659,794	264,185	131	125	.....	.....	6	.....	18
.....	2,418	20,839	.....	6,960	759	65,214	1,807	112,732	45,711	6	.....	5	.....	1	.....	19
18,423	12,709	226,191	2,392	22,084	3,774	208,993	12,268	581,454	360,193	369	25	53	.....	291	.....	20
13,908	10,404	185,368	2,392	17,068	2,958	178,323	10,565	481,588	292,700	316	25	53	.....	238	.....	21
4,515	2,305	40,823	.....	5,016	816	30,670	1,703	99,866	67,493	53	.....	.....	.....	53	.....	22
42,909	127,749	2,442,538	.....	.....	37,296	2,263,304	147,196	5,024,316	2,613,816	2,944	2,779	.....	.....	165	3,931	23
25,800	7,678	17,082	.....	5,382	1,195	263,728	2,696	356,135	89,711	88	32	5	.....	51	.....	24
38,828	23,693	19,275	391	6,851	1,475	218,872	1,783	437,119	216,464	68	.....	4	.....	64	.....	25
12,368	6,711	11,190	391	2,713	1,063	139,804	1,410	270,216	129,002	49	.....	.....	.....	49	.....	26
26,460	16,982	8,085	.....	4,138	412	79,068	373	166,903	87,462	19	.....	4	.....	15	.....	27
5,562	.....	36,496	.....	7,700	150	630	870	63,700	62,200	34	.....	10	.....	24	.....	28
241,180	396,359	2,552,713	1,422,308	253,351	71,888	7,452,803	50,985	13,729,313	6,225,525	982	455	50	.....	477	162	29
236,610	394,681	1,820,872	1,410,539	206,883	71,308	7,402,681	37,578	12,679,578	5,239,319	666	380	21	.....	265	162	30
320	450	19,311	.....	3,518	96	33,549	1,181	63,625	28,895	85	75	.....	.....	10	.....	31
4,250	1,228	712,530	11,769	42,950	484	16,573	12,226	986,110	957,311	231	.....	29	.....	202	.....	32
.....	260	1,560	.....	288	.....	326	200	6,072	5,546	3	.....	.....	.....	3	.....	33
243,784	332,988	2,143,646	68,060	204,059	13,189	5,087,045	38,971	9,608,758	4,482,742	686	8	27	.....	651	.....	34
118,567	159,007	1,143,668	35,007	89,117	5,328	2,080,252	16,794	4,233,603	2,136,557	269	.....	.....	.....	269	.....	35
48,519	82,792	560,858	5,954	55,218	3,656	1,311,937	9,752	2,495,664	1,173,975	186	.....	7	.....	179	.....	36
38,271	57,645	255,795	26,599	28,434	1,791	1,199,601	6,429	1,899,173	693,143	136	8	16	.....	112	.....	37
6,296	14,553	37,371	.....	9,276	574	158,297	2,006	306,465	146,162	32	.....	.....	.....	32	.....	38
32,131	18,679	140,312	500	20,700	1,822	336,758	3,746	655,153	314,649	57	.....	4	.....	53	.....	39
.....	312	5,642	.....	1,314	18	200	244	18,700	18,256	6	.....	.....	.....	6	.....	40
149,318	516,600	252,490	.....	84,387	32,676	6,093,676	30,481	8,463,495	2,339,338	1,114	510	50	.....	554	574	41
394,417	601,586	2,041,771	296	300,688	94,459	8,976,367	132,104	15,245,760	6,137,289	4,273	2,867	164	10	1,232	2,391	42
379,837	595,986	1,996,947	96	297,328	91,807	8,739,912	120,878	14,795,919	5,935,129	3,923	2,867	142	10	904	2,391	43
14,580	5,600	44,824	200	3,360	2,652	236,455	11,226	449,841	202,160	350	.....	22	.....	328	.....	44
102,287	121,383	570,414	745	46,690	14,788	977,954	17,880	2,275,997	1,280,163	652	210	167	.....	275	9	45
38,299	8,159	318,039	.....	4,803	21,589	661,753	32,740	1,228,208	533,715	2,408	1,700	.....	600	108	1,350	46
7 790	7,168	33,313	.....	4,365	618	408,002	918	484,512	75,592	19	.....	.....	.....	19	.....	47
23,320	60,953	59,894	.....	21,895	3,068	332,299	4,036	816,353	450,018	138	.....	35	.....	103	.....	48
19,720	11,236	45,005	.....	7,790	3,005	503,302	13,116	716,751	200,333	183	68	25	.....	90	.....	49
177,710	134,376	914,342	3,854	59,711	25,793	1,367,129	46,968	3,634,915	2,220,818	1,829	1,065	81	.....	683	440	50
9,028	4,334	80,896	509	14,540	175	41,360	4,037	190,507	145,110	153	.....	34	.....	119	.....	51
.....	2,040	39,744	1,163	8,237	282	17,794	1,465	105,486	86,227	30	.....	1	.....	29	.....	52
59,128	20,575	233,980	7,699	30,220	3,607	120,968	4,788	582,888	457,132	700	.....	10	.....	690	.....	53
.....	.....	.....	.....	528	8	195	.....	3,563	3,368	1	.....	.....	.....	1	.....	54
5,294	3,755	29,047	.....	6,291	324	50,525	1,559	113,556	61,472	37	.....	26	.....	11	.....	55
36,948	98,344	27,686	.....	9,893	4,145	310,163	610	640,665	329,892	42	8	.....	.....	34	12	56
136,948	162,043	159,817	2,342	36,975	14,635	1,031,828	25,684	2,500,157	1,442,645	556	125	92	.....	339	.....	57
690,199	640,867	3,845,456	8,917	167,706	137,162	3,956,619	234,942	12,334,220	8,142,659	7,452	4,068	771	.....	2,613	2,181	58
23,872	3,096	113,201	.....	13,928	4,257	232,790	3,489	434,670	198,391	205	100	.....	.....	105	.....	59
76,960	33,921	355,595	400	12,550	7,420	323,952	42,490	1,060,161	693,719	658	240	250	.....	168	344	60
589,367	603,850	3,376,660	8,517	141,228	125,485	3,399,877	188,963	10,839,389	7,250,549	6,589	3,728	521	.....	2,340	1,837	61
4,557	56,836	146,276	11,280	19,999	5,671	474,390	1,877	861,877	385,610	49	.....	.....	.....	49	.....	62
24,830	45,766	117,849	63,724	13,642	1,446	665,674	2,367	1,039,635	371,594	51	.....	.....	.....	51	.....	63
94,381	58,426	541,273	19,696	84,712	9,122	964,607	14,010	2,228,088	1,249,471	601	165	140	.....	296	.....	64
59,636	35,984	369,531	18,595	62,059	3,824	727,212	7,095	1,637,917	903,610	332	50	98	.....	184	.....	65
13,105	9,913	57,545	.....	8,460	810	53,171	1,238	170,041	115,632	15	.....	10	.....	5	.....	66
12,440	7,998	40,843	1,101	8,853	1,126	99,396	1,859	216,624	115,369	112	35	2	.....	75	.....	67
9,200	4,531	73,354	.....	5,340	3,362	84,828	3,818	203,506	114,860	142	80	30	.....	32	.....	68

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

[4] Same number reported throughout the year.

TABLE 45.—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.
	BOSTON—Continued.															
1	Galvanizing	3	15	2	1	.....	.....	12	Mh 14	De[3] 10	12	12	.....	.....	.....	$24,578
2	Gas and electric fixtures	9	129	5	7	14	7	96	De 102	Jy[3] 91	102	100	.....	2	.....	116,090
3	Glass, cutting, staining, and ornamenting.	22	157	26	5	11	7	108	Fe[3] 114	Se 102	110	106	3	1	.....	92,547
4	Gold, leaf and foil	4	69	6	.....	2	1	60	Fe 63	De[3] 57	57	31	26	.....	.....	51,176
5	Gold and silver, reducing and refining, not from the ore.	3	7	3	1	.....	.....	3	(4) 3	(4) 3	3	3	.....	.....	.....	12,199
6	Hand stamps	8	49	8	4	3	3	31	Se 33	De 29	29	29	.....	.....	.....	35,367
7	Hardware, including saddlery	12	90	13	4	5	7	61	.....	.....	64	53	10	1	.....	148,635
8	Builders'	4	25	4	2	2	2	15	(4) 15	(4) 15	15	13	1	1	.....	24,222
9	All other	8	65	9	2	3	5	46	My[3] 48	Au 43	49	40	9	.....	.....	124,413
10	Hats and caps, other than felt, straw, and wool.	28	353	38	12	10	15	278	My 291	No 245	274	187	83	2	2	134,539
11	Hosiery and knit goods	10	834	6	16	25	17	770	Ap 799	Au 727	748	87	648	2	11	1,052,555
12	House-furnishing goods, not elsewhere specified.	8	103	8	4	1	5	85	No 110	Au 66	93	41	52	.....	.....	55,339
13	Instruments, professional and scientific.	12	610	7	22	65	32	484	My 535	Au 374	553	501	49	3	.....	895,719
14	Iron and steel, steel works and rolling mills.	3	62	1	6	4	1	50	Fe 59	Oc[3] 45	48	48	.....	.....	.....	55,896
15	Jewelry	39	356	42	8	27	29	250	Ja 274	No 225	255	219	28	7	1	508,316
16	Jewelry and instrument cases	5	331	2	5	19	12	293	Oc 364	Ja 249	317	112	201	3	1	266,473
17	Lamps and reflectors	3	43	.....	6	2	2	33	My[3] 34	No 31	32	30	.....	2	.....	23,015
18	Leather goods, not elsewhere specified.	12	194	9	9	11	8	157	No 253	Ja 89	236	149	86	1	.....	328,298
19	Liquors, malt	13	1,461	2	50	170	14	1,225	Je 1,302	Ja 1,166	1,185	1,175	10	.....	.....	13,688,141
20	Lithographing	6	149	3	7	11	4	124	Fe 129	Oc 117	133	118	12	3	.....	191,188
21	Looking-glass and picture frames	18	148	18	3	9	8	110	Oc 117	Au 101	115	110	1	4	.....	130,110
22	Lumber, planing-mill products, not including planing mills connected with sawmills.	45	902	35	48	41	22	756	Se 811	De 684	748	745	.....	3	.....	1,342,688
23	Marble and stone work	24	530	24	18	22	11	455	Se 500	De 382	411	408	1	2	.....	797,579
24	Mattresses and spring beds	21	634	15	27	45	16	531	Je 582	De 486	504	385	111	7	1	606,635
25	Millinery and lace goods	59	1,691	59	58	86	73	1,415	.....	.....	1,502	291	1,180	8	23	1,349,151
26	Embroideries	5	33	4	.....	2	2	25	De 31	Ja 19	28	3	19	1	5	11,660
27	Trimmed hats and hat frames	21	624	21	33	27	25	518	Ap 723	De 317	597	214	378	3	2	395,862
28	Dress and cloak trimmings, braids, and fringes.	8	62	10	2	.....	6	44	Ap 50	Jy 40	43	11	31	1	.....	30,139
29	Women's neckwear	9	338	11	3	10	12	302	No 430	Ja 187	339	19	320	.....	.....	175,691
30	All other	16	634	13	20	47	28	526	Mh 561	No 491	495	44	432	3	16	735,799
31	Mineral and soda waters	26	247	30	20	45	15	137	Je 190	De 103	109	109	.....	.....	.....	803,416
32	Mirrors, framed and unframed	7	125	3	7	7	4	104	Ja 113	Jy[3] 98	100	98	2	.....	.....	185,601
33	Models and patterns, not including paper patterns.	21	139	24	4	.....	6	105	Au 118	No 91	94	88	5	1	.....	104,581
34	Mucilage and paste	4	32	6	4	4	2	16	Jy 19	De[3] 15	15	15	.....	.....	.....	143,346
35	Musical instruments and materials, not specified.	15	305	14	8	18	20	245	.....	.....	264	205	55	3	1	255,850
36	Violins and other stringed instruments.	6	75	4	4	2	4	61	Au 68	Oc 53	58	55	2	1	.....	76,637
37	All other	9	230	10	4	16	16	184	De 206	Mh[3] 169	206	150	53	2	1	179,213
38	Musical instruments, pianos	8	1,308	.....	31	98	37	1,142	Ja 1,267	Au 908	1,112	1,075	35	2	.....	4,530,858
39	Paints	7	179	3	11	44	13	108	My 117	Fe 100	105	99	6	.....	.....	632,044
40	Paper goods, not elsewhere specified	12	396	9	17	12	16	342	Je 387	De 313	314	146	164	3	1	373,730
41	Patent medicines and compounds	48	711	30	42	71	65	503	Ja 619	Je 394	527	227	298	1	1	1,697,395
42	Perfumery and cosmetics	11	170	3	8	8	3	148	Se 168	De 113	158	44	113	.....	1	480,457
43	Photo-engraving	19	608	7	43	82	44	432	My 442	Se 421	434	414	14	6	.....	418,283
44	Pickles, preserves, and sauces	14	363	3	25	60	12	263	.....	.....	252	145	107	.....	.....	834,741
45	Preserves	7	286	1	14	39	12	220	Jy[3] 260	Fe 206	209	116	93	.....	.....	719,475
46	Pickles and sauces	7	77	2	11	21	.....	43	No 45	My 39	43	29	14	.....	.....	115,266
47	Plumbers' supplies, not elsewhere specified.	4	79	3	3	10	.....	63	My 67	De 59	59	59	.....	.....	.....	174,541
48	Pocketbooks	3	28	4	1	.....	.....	23	Se[3] 25	De[3] 21	21	6	12	.....	3	18,009
49	Printing and publishing, book and job.	310	4,824	271	229	492	601	3,231	.....	.....	3,210	2,339	794	70	7	10,764,254
50	Job work only	265	3,786	246	163	128	162	3,087	Mh 3,230	Au 2,913	3,041	2,241	723	70	7	4,281,565
51	Book publishing and printing	6	195	4	11	16	25	139	Ap 165	Je 87	163	93	70	.....	.....	240,531
52	Book publishing without printing.	39	843	21	55	348	414	5	Jy[3] 6	De[3] 4	6	5	1	.....	.....	6,242,158
53	Printing and publishing, newspapers and periodicals.	166	5,682	55	304	1,659	916	2,748	.....	.....	2,756	2,498	222	22	14	11,055,242
54	Printing and publishing	17	4,012	.....	125	1,242	300	2,345	My 2,387	Fe 2,296	2,358	2,234	96	16	12	8,542,698
55	Printing, publishing, and job printing.	28	831	14	49	208	180	380	Oc 416	Je 343	376	253	116	5	2	1,641,077
56	Publishing without printing	121	839	41	130	209	436	23	Au[3] 24	De[3] 22	22	11	10	1	.....	871,467
57	Refrigerators	7	106	6	9	5	4	82	Ap 98	Au 54	98	98	.....	.....	.....	192,445

[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 INHABITANS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$1,975	.....	$10,207	.....	$1,656	$214	$18,171	$1,338	$37,259	$17,750	7	.....	.....	.....	7	.....	1
11,900	$16,436	68,384	$10,000	11,543	1,007	99,931	2,782	332,242	229,529	91	.....	17	.....	74	.....	2
6,972	10,552	88,311	2,766	13,970	626	49,833	2,436	236,265	183,996	20	.....	5	.....	15	.....	3
.....	2,636	34,492	200	1,180	342	65,704	544	118,014	51,766	14	.....	6	.....	8	.....	4
950	.....	2,560	100	573	23	6,884	174	12,433	5,375	5	.....	.....	.....	5	.....	5
7,359	3,929	24,130	.....	6,412	318	12,567	770	85,724	72,387	8	.....	.....	.....	8	.....	6
12,025	12,272	47,408	1,620	9,555	1,300	51,525	1,060	164,491	111,906	40	.....	14	.....	26	.....	7
700	3,492	11,634	1,580	3,195	219	15,083	64	39,413	24,266	6	.....	4	.....	2	.....	8
11,325	8,780	35,774	40	6,360	1,081	36,442	996	125,078	87,640	34	.....	10	.....	24	.....	9
14,472	19,082	163,803	.....	19,349	683	391,426	4,283	710,407	314,698	47	.....	.....	.....	47	.....	10
41,438	32,778	310,249	24,386	15,503	8,398	995,438	10,005	1,595,681	590,238	291	126	45	.....	120	290	11
5,790	2,799	44,999	115	6,298	419	106,976	1,137	217,070	108,957	20	.....	.....	.....	20	.....	12
53,716	63,155	332,367	11	29,662	4,070	363,760	13,823	890,805	513,222	589	390	99	.....	100	125	13
10,009	4,310	34,441	.....	1,420	903	24,577	7,987	90,675	58,111	97	.....	37	.....	60	.....	14
21,220	37,710	186,102	897	30,633	2,643	380,050	6,018	865,791	479,723	112	.....	26	.....	86	.....	15
22,118	26,430	113,923	.....	9,690	953	151,690	7,358	417,294	258,246	46	.....	.....	.....	46	.....	16
9,112	3,004	23,711	501	5,000	801	37,705	1,060	72,198	33,433	22	.....	8	.....	14	.....	17
19,810	14,988	97,999	13,120	11,851	1,250	423,648	1,903	722,611	297,060	77	.....	17	.....	60	.....	18
276,506	312,429	1,148,553	15,431	525	1,585,545	2,406,585	186,994	8,836,272	6,242,693	5,951	5,760	.....	.....	191	790	19
15,030	12,314	92,409	.....	13,890	1,607	87,135	3,129	246,229	155,965	118	.....	.....	.....	118	.....	20
8,500	12,412	79,952	200	19,742	1,037	95,950	1,668	320,243	222,625	27	.....	.....	.....	27	.....	21
96,885	51,885	597,456	8,346	74,198	18,996	1,134,642	18,560	2,229,901	1,076,699	2,588	1,800	688	.....	100	1	22
35,314	37,061	365,697	3,456	22,799	6,958	418,935	17,145	1,037,252	601,172	1,166	745	110	.....	311	60	23
75,906	55,858	262,827	.....	73,874	4,918	1,096,267	18,879	1,886,931	771,785	598	210	57	.....	331	100	24
114,412	159,773	601,030	21,870	85,259	8,488	1,997,995	16,268	3,563,692	1,549,429	283	43	8	.....	232	.....	25
.....	3,654	11,349	.....	2,741	25	19,032	218	47,927	28,677	6	.....	.....	.....	6	.....	26
48,802	33,011	279,338	.....	33,536	2,535	624,016	4,928	1,183,974	555,030	82	43	8	.....	31	.....	27
4,900	2,268	18,381	.....	6,142	377	47,622	1,393	113,576	64,561	20	.....	.....	.....	20	.....	28
2,624	17,201	104,874	11,785	13,205	806	255,759	3,019	518,637	259,859	40	.....	.....	.....	40	.....	29
58,086	103,639	187,088	10,085	29,635	4,745	1,051,566	6,710	1,699,578	641,302	135	.....	.....	.....	135	.....	30
74,533	65,772	103,341	150	22,092	14,386	528,226	10,531	1,203,737	664,980	228	70	4	.....	154	49	31
13,248	12,422	68,246	334	8,500	2,476	198,488	4,842	385,247	181,917	156	80	.....	.....	76	.....	32
6,263	4,562	85,402	1,363	12,979	658	27,068	2,102	193,614	164,444	87	.....	43	.....	44	.....	33
6,244	5,375	12,181	.....	7,600	1,344	176,586	1,860	284,050	105,604	162	115	.....	.....	47	.....	34
16,550	23,090	184,390	1,862	17,853	2,473	134,052	3,114	333,463	196,297	106	.....	49	.....	57	.....	35
8,275	3,146	39,431	.....	6,576	399	39,150	239	120,975	81,586	43	.....	40	.....	3	.....	36
8,275	19,944	144,959	1,862	11,277	2,074	94,902	2,875	212,488	114,711	63	.....	9	.....	54	.....	37
116,676	93,023	765,131	.....	73,387	43,138	1,271,141	40,566	2,807,576	1,495,869	1,198	1,135	40	.....	23	375	38
35,962	67,211	68,220	582	11,790	6,734	479,871	11,375	831,187	339,941	213	83	14	.....	116	.....	39
25,466	22,145	144,030	942	13,370	3,978	326,002	11,317	658,558	321,239	223	130	4	.....	89	130	40
148,142	103,154	244,701	7,261	62,196	31,209	1,228,014	10,873	2,798,227	1,559,340	264	.....	12	.....	252	.....	41
20,600	12,974	55,543	.....	13,055	10,085	514,047	743	1,008,240	493,450	29	.....	.....	.....	29	.....	42
108,044	106,170	398,712	26,002	42,474	3,300	130,495	14,513	1,002,295	857,287	269	.....	3	.....	266	.....	43
57,051	106,321	145,219	563	44,824	9,214	1,276,343	16,356	1,973,361	680,662	463	202	109	.....	152	112	44
37,982	75,165	122,217	563	37,692	7,632	1,061,627	15,159	1,568,170	491,384	427	200	107	.....	120	112	45
19,069	31,156	23,002	.....	7,132	1,582	214,716	1,197	405,191	189,278	36	2	2	.....	32	.....	46
3,886	9,787	51,957	.....	7,905	1,177	44,364	3,506	151,776	103,906	133	.....	8	.....	125	.....	47
2,000	.....	9,141	154	2,848	11	25,732	153	43,043	17,158	12	.....	.....	.....	12	.....	48
637,828	1,133,565	2,340,313	2,022,383	333,442	70,253	2,600,278	87,699	12,073,378	9,385,401	2,949	345	155	.....	2,449	.....	49
382,318	256,521	2,238,677	124,064	263,113	44,854	1,982,807	84,918	6,632,422	4,564,697	2,849	270	155	.....	2,424	.....	50
26,325	29,541	99,881	13,323	10,878	1,994	81,308	2,107	367,717	284,302	100	75	.....	.....	25	.....	51
229,185	847,503	1,755	1,884,996	59,451	23,405	536,163	674	5,073,239	4,536,402	.....	.....	.....	.....	.....	.....	52
1,122,235	2,628,697	2,895,457	1,350,241	277,615	136,576	6,074,863	113,954	17,915,170	11,726,353	4,766	723	126	.....	3,917	208	53
737,873	1,731,068	2,619,530	62,000	168,762	109,574	5,158,347	94,906	12,766,167	7,512,914	4,062	422	7	.....	3,633	.....	54
92,428	385,076	268,855	218,443	41,141	22,743	503,004	18,849	2,169,798	1,647,945	704	301	119	.....	284	208	55
291,934	512,553	7,072	1,069,798	67,712	4,259	413,512	199	2,979,205	2,565,494	.....	.....	.....	.....	.....	.....	56
29,920	10,714	92,384	350	4,700	2,025	146,940	2,515	323,365	173,910	191	120	53	.....	18	.....	57

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

[4] Same number reported throughout the year.

TABLE 45.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.	Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	BOSTON—Continued.															
1	Regalia and society badges and emblems.	8	78	5	7	10	6	50	My 55	De[3] 45	53	20	32	.....	1	$85,605
2	Rubber goods, not elsewhere specified.	7	322	.....	12	19	15	276	Mh 345	Jy 173	281	112	97	22	50	511,114
3	Saddlery and harness	11	53	11	2	1	.....	39	Je 41	De[3] 38	38	37	1	.....	.....	32,475
4	Sausage	15	216	10	11	21	6	168	Fe 176	Jy 163	171	163	8	.....	.....	245,971
5	Saws	3	15	2	3	1	1	8	My[3] 11	No[3] 5	6	6	.....	.....	.....	9,144
6	Screws, machine	7	127	3	11	6	5	102	My 111	De 93	93	86	7	.....	.....	212,582
7	Shipbuilding, wooden, including boat building.	15	138	15	11	.....	4	108	Je[3] 144	Ja 80	94	92	1	1	.....	165,697
8	Shirts	5	195	6	2	3	3	181	Oc 198	Au 165	176	24	152	.....	.....	571,130
9	Show cases	8	58	8	2	2	3	43	My 55	De[3] 38	41	41	.....	.....	.....	51,246
10	Signs and advertising novelties	12	337	9	14	29	15	270	.....	.....	282	151	127	4	.....	199,975
11	Signs, other than electric	6	108	3	10	10	4	81	Ap 87	Ja 75	78	69	8	1	.....	54,920
12	Advertising novelties	6	229	6	4	19	11	189	De 212	Jy 167	204	82	119	3	.....	145,055
13	Silversmithing and silverware	3	43	2	2	2	2	35	De 39	Jy 30	38	35	.....	3	.....	24,657
14	Slaughtering and meat packing	11	250	8	16	49	16	161	No.[3] 166	Ja 154	170	162	8	.....	.....	492,292
15	Soap	11	82	6	9	7	6	54	Au 56	No[3] 50	54	49	5	.....	.....	231,401
16	Stationery goods, not elsewhere specified.	5	284	.....	21	15	11	237	No[3] 252	Fe[3] 221	229	116	111	1	1	435,622
17	Statuary and art goods	10	149	10	11	2	4	122	Ap[3] 128	Oc 109	117	117	.....	.....	.....	438,978
18	Steam fittings and steam and hot-water heating apparatus.	8	2,006	1	57	183	63	1,702	Mh 1,830	De 1,551	1,733	1,646	86	1	.....	4,732,506
19	Steam packing	6	61	2	7	9	2	41	Je 50	Oc 32	40	40	.....	.....	.....	84,038
20	Stencils and brands	9	47	8	4	1	1	33	Ja 36	No 30	30	30	.....	.....	.....	33,635
21	Stereotyping and electrotyping	8	204	7	14	20	7	156	Ap 167	De 146	152	146	3	3	.....	183,608
22	Structural ironwork, not made in steel works or rolling mills.	23	624	17	33	35	14	525	Au 556	De 505	516	510	2	4	.....	593,725
23	Surgical appliances	8	107	8	4	9	5	81	Ja 91	No 68	69	35	33	1	.....	80,264
24	Suspenders, garters, and elastic woven goods.	10	961	7	27	32	40	855	Oc 921	De 791	848	117	697	1	33	1,126,053
25	Tinware, not elsewhere specified	11	680	10	21	35	27	587	Oc 707	Fe 517	568	466	65	34	3	3,631,158
26	Tobacco, chewing and smoking, and snuff.	7	25	6	1	1	.....	17	(4) 17	(4) 17	18	7	11	.....	.....	15,310
27	Tobacco, cigars and cigarettes	94	2,915	102	42	69	25	2,677	.....	.....	2,624	1,983	636	3	2	3,201,998
28	Cigars	88	2,882	99	38	68	23	2,654	Ja 2,796	Jy 2,543	2,603	1,972	626	3	2	3,141,546
29	Cigarettes	6	33	3	4	1	2	23	Fe[3] 27	No[3] 20	21	11	10	.....	.....	60,452
30	Tools, not elsewhere specified	12	359	9	8	11	10	321	Ja 364	Je 305	311	283	22	.....	6	584,682
31	Trunks and valises	14	184	17	7	16	11	133	Ap 142	Ja 103	132	110	20	2	.....	159,224
32	Varnishes	4	30	1	5	11	2	11	Mh[3] 16	De[3] 7	16	16	.....	.....	.....	214,097
33	Window and door screens and weather strips.	6	30	9	.....	1	1	19	My 34	Fe 11	17	15	2	.....	.....	21,423
34	Window shades and fixtures	10	89	5	8	7	6	63	Jy 68	Fe 57	64	42	21	1	.....	150,389
35	Wirework, including woven-wire fencing.	7	43	6	2	.....	1	34	Jy 50	Ja 22	26	18	8	.....	.....	26,594
36	Wood, turned and carved	6	19	7	.....	.....	.....	12	Ap[3] 15	Jy 7	11	11	.....	.....	.....	12,610
37	Wooden goods, not elsewhere specified	3	10	3	.....	.....	.....	7	(4) 7	(4) 7	7	7	.....	.....	.....	8,050
38	All other industries *	237	12,342	167	385	789	387	10,614	.....	.....	10,533	7,956	2,492	37	48	71,054,314

* All other industries embrace—

Aluminum ware	1
Artificial stone products	3
Asbestos products	1
Automobiles	2
Babbitt metal	1
Bags, other than paper	1
Belting and hose, rubber hose	1
Belting and hose, woven	2
Billiard tables and materials	5
Boxes, cigar	1
Boxes, wooden packing	3
Brick and tile	1
Brooms, from broom corn	1
Brushes	10
Butter	1
Butter, reworking	1
Card cutting and designing	2
Carpets and rugs, other than rag	1
Cars, and general shop construction and repairs by electric-railroad companies	2
Cars, steam-railroad, not including operations of railroad companies	1
Cash registers and calculating machines	1
Chocolate and cocoa products	2
Clocks	2
Coffins, burial cases, and undertakers' goods	3
Combs and hairpins, not made from metal or rubber	1
Cooperage, hogsheads and barrels	1
Cordage and twine	1
Cordials and flavoring sirups	8
Cork, cutting	2
Corsets	1
Cutlery and edge tools	3
Dairymen's supplies	1
Drug grinding	1
Dyeing and finishing textiles	3
Enameling	2
Engines, steam, gas, and water	1
Engravers' materials	1
Envelopes	2
Felt goods	1
Files	2
Fire extinguishers, chemical	1
Flags and banners	2
Flour-mill and gristmill products	2
Furs, dressed	1
Gas, illuminating and heating	5
Gas machines and gas and water meters	3
Gloves and mittens, leather	4
Glucose and starch	1
Glue, not elsewhere specified	2
Grease and tallow, not including lubricating greases	3
Hair work	4
Hammocks	3
Hat and cap materials	2
Hats, fur-felt	4
Hats, straw	3

1	**BROCKTON**—All industries	243	18,210	232	376	778	578	16,246	Ja 17,704	Oc 15,017	16,382	11,897	4,319	97	69	$28,808,708
2	Blacking, stains, and dressings	16	104	25	2	23	11	43	My 47	De[3] 40	42	38	4	.....	.....	205,995
3	Boot and shoe cut stock	12	780	7	20	14	15	724	Mh 757	Au 695	739	451	271	6	11	1,453,570
4	Boot and shoe findings	36	1,081	31	36	45	43	926	Ja 1,074	No 830	934	627	302	3	2	2,072,184
5	Boots and shoes	36	13,268	32	214	504	403	12,115	Ja 13,303	Oc 10,978	12,224	8,808	3,324	66	26	18,840,753
6	Boxes and cartons, paper	5	194	3	6	6	5	174	Fe 187	De 162	164	42	107	2	13	162,199
7	Boxes, wooden packing	5	77	2	5	1	1	68	Ja 79	Oc 57	72	70	2	.....	.....	189,022
8	Bread and other bakery products	21	344	24	8	42	18	252	Oc 283	My 236	256	167	79	3	7	376,781
9	Carriages and wagons	5	25	6	.....	.....	1	18	My 25	De 14	17	16	1	.....	.....	77,293
10	Confectionery and ice cream	4	27	5	1	.....	.....	21	Au[3] 23	Oc 19	20	13	7	.....	.....	14,056

[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.																
$8,560	$6,380	$27,209	$1,100	$6,142	$501	$81,292	$602	$158,912	$77,018	12	.....	.....	.....	12	.....	1
29,689	49,080	151,436	.....	2,275	5,469	301,570	17,250	679,708	360,888	1,092	991	10	.....	91	50	2
230	1,992	33,233	.....	4,232	888	42,900	688	106,064	62,476	6	.....	.....	.....	6	.....	3
27,304	18,038	110,880	300	17,176	5,297	922,097	11,645	1,280,811	347,069	450	20	75	.....	355	.....	4
2,808	1,820	2,593	.....	1,511	69	1,958	713	14,782	12,111	12	.....	.....	.....	12	.....	5
22,858	6,356	71,149	208	8,636	1,707	93,377	5,607	230,695	131,711	211	.....	97	.....	114	.....	6
20,208	3,711	91,431	480	8,783	1,267	132,630	2,343	325,300	190,327	265	115	99	.....	51	.....	7
2,400	4,361	80,731	.....	11,660	235	181,418	2,010	350,934	167,506	61	38	.....	.....	23	.....	8
4,500	2,483	36,138	.....	3,615	274	55,172	1,355	126,364	69,837	82	.....	10	.....	72	.....	9
32,795	36,285	143,438	325	15,704	2,078	167,381	3,702	464,793	293,710	136	.....	.....	.....	136	.....	10
18,295	13,036	57,271	100	7,018	1,173	70,068	1,961	201,949	129,920	82	.....	.....	.....	82	.....	11
14,500	23,249	86,167	225	8,686	905	97,313	1,741	262,844	163,790	54	.....	.....	.....	54	.....	12
3,120	2,842	17,013	.....	2,495	135	19,271	1,113	62,282	41,898	20	.....	.....	.....	20	.....	13
37,372	51,953	121,004	.....	27,438	2,090	4,263,027	13,860	5,115,143	838,256	175	.....	.....	.....	175	.....	14
17,340	13,429	33,417	3,728	10,099	2,803	305,388	8,932	441,443	127,123	95	83	.....	.....	12	.....	15
38,807	18,064	123,118	.....	25,058	2,467	386,818	2,585	665,670	276,267	105	.....	18	.....	87	.....	16
24,100	5,508	95,874	150	11,455	3,655	48,626	1,938	262,598	212,034	60	.....	5	.....	55	.....	17
185,194	253,098	1,077,631	.....	3,600	43,175	1,068,550	81,197	3,080,958	1,931,211	1,797	370	9	.....	1,418	175	18
13,743	11,589	37,422	.....	4,837	468	41,970	1,362	153,898	110,566	89	20	15	.....	54	.....	19
5,148	1,744	23,135	.....	6,364	445	13,104	872	72,408	58,432	21	.....	.....	.....	21	.....	20
28,872	19,248	118,960	42	13,692	2,125	83,833	11,262	318,643	223,548	303	.....	35	.....	268	.....	21
56,140	45,648	397,887	7,279	25,154	6,479	480,285	14,231	1,124,393	629,877	743	460	145	.....	138	243	22
4,100	16,497	47,429	275	10,318	1,389	64,291	929	185,120	119,900	12	.....	.....	.....	12	.....	23
69,816	76,035	361,260	75	18,846	11,431	1,276,062	8,655	2,321,514	1,036,797	245	145	25	.....	75	62	24
51,098	55,631	333,586	.....	31,027	11,258	1,099,849	10,799	1,868,273	757,625	294	150	23	.....	121	290	25
750	300	5,578	.....	4,175	9,240	31,888	340	56,431	24,203	10	.....	.....	.....	10	.....	26
127,522	119,570	2,310,002	1,998	49,769	486,735	2,696,921	8,991	6,627,978	3,922,066	116	.....	1	.....	115	.....	27
123,782	113,915	2,298,121	1,998	47,584	467,441	2,631,566	8,692	6,511,759	3,871,501	110	.....	1	.....	109	.....	28
3,740	5,655	11,881	.....	2,185	19,294	65,355	299	116,219	50,565	6	.....	.....	.....	6	.....	29
18,305	17,928	200,801	50	9,870	6,802	419,160	39,018	781,387	323,209	494	20	30	.....	444	.....	30
12,252	19,204	83,674	.....	13,174	1,012	194,321	1,213	373,610	178,076	37	.....	2	.....	35	.....	31
8,025	9,775	10,850	.....	1,325	1,793	144,687	974	224,155	78,494	21	.....	.....	.....	21	.....	32
.....	1,508	11,782	122	2,608	74	22,714	1,112	57,954	34,128	26	.....	.....	.....	26	.....	33
9,992	13,249	37,257	.....	5,782	1,054	264,387	960	391,364	126,017	13	.....	.....	.....	13	.....	34
2,240	1,200	15,650	.....	3,342	75	31,652	463	65,842	33,727	56	.....	50	.....	6	.....	35
.....	.....	10,267	100	2,730	163	7,801	833	26,353	17,719	41	.....	18	.....	23	.....	36
.....	.....	3,904	.....	1,200	90	11,722	456	20,158	7,980	24	12	.....	.....	12	.....	37
1,236,554	1,302,818	6,627,810	206,793	405,815	1,959,243	45,675,368	1,768,113	59,430,107	21,986,626	21,586	15,909	1,330	310	4,037	6,096	38

Horseshoes 1
Ice, manufactured 1
Iron and steel, bolts, nuts, washers, and rivets 1
Iron and steel forgings 1
Iron and steel, nails and spikes, cut and wrought, including wire nails 2
Japanning 2
Labels and tags 4
Lasts 1
Lead, bar, pipe, and sheet 1
Leather, tanned, curried, and finished 3
Linen goods 1
Liquors, distilled, rum 2
Lubricating greases 3
Lumber and timber products 2
Minerals and earths, ground 2
Motorcycles, bicycles, and parts 1
Musical instruments, organs 3
Musical instruments, piano and organ materials 4
Needles, pins, and hooks and eyes 1
Oil, not elsewhere specified 5
Optical goods 2
Paper and wood pulp 1
Paving materials 1
Peanuts, grading, roasting, cleaning, and shelling 2
Pens, fountain and stylographic 3
Photographic apparatus 1
Pipes, tobacco 2
Plated ware, hollow ware 1
Pottery, china, earthen, and stone ware 2
Printing and publishing, music 8
Printing materials 5
Pumps, not including power pumps 3
Pumps, steam 1
Roofing materials, other than metal 1
Scales and balances 2
Sewing machines 6
Shipbuilding, iron and steel 2
Silk goods, finished products 3
Smelting and refining, not from the ore 2
Soda-water apparatus 4
Sporting and athletic goods 1
Springs, steel, carriage, wagon, and automobile 2
Stoves and hot-air furnaces 1
Sugar, refining 1
Toys and games 2
Type founding 2
Typewriter supplies, carbon paper, and ribbon 2
Umbrellas and canes 3
Upholstering materials, curled hair 2
Vault lights and ventilators 2
Waste, cotton 3
Wool scouring 1
Wool shoddy 1
Worsted goods 1

$905,125	$1,432,312	$10,557,346	$22,755	$183,493	$254,349	$31,327,627	$336,614	$51,259,131	$19,594,890	10,477	6,993	495	.....	2,989	1,349	1
4,160	31,216	31,480	.....	7,815	1,085	193,274	1,090	429,535	235,171	32	.....	8	.....	24	.....	2
38,151	27,647	409,057	100	8,685	12,199	2,798,211	14,080	3,755,528	943,237	440	253	13	.....	174	.....	3
110,248	112,550	484,301	500	31,969	16,030	4,050,347	27,040	5,333,932	1,256,545	952	355	25	.....	572	.....	4
508,817	982,485	8,084,442	5,155	62,850	147,405	21,447,614	118,172	35,032,665	13,466,879	5,714	4,535	190	.....	989	896	5
8,889	9,389	76,740	.....	5,220	1,952	109,221	5,150	233,446	119,075	141	110	.....	.....	31	.....	6
5,903	1,092	43,049	475	200	2,108	122,937	1,151	217,162	93,074	240	225	.....	.....	15	.....	7
22,855	52,324	134,348	.....	9,333	6,112	521,616	17,013	1,069,520	530,891	248	150	6	.....	92	121	8
.....	260	13,692	906	1,784	354	13,526	897	44,638	30,215	25	.....	.....	.....	25	.....	9
1,800	.....	10,679	7,700	6,280	316	55,124	1,774	98,486	41,588	10	.....	.....	.....	10	.....	10

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

[4] Same number reported throughout the year.

TABLE 45.—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.
	BROCKTON—Continued.															
1	Cutlery and tools, not elsewhere specified.	9	93	7	10	2	2	72	Fe 76	Jy 68	72	72	.....	.....	.....	$47,273
2	Flour-mill and gristmill products	3	5	3	.....	.....	.....	2	(3) 2	(3) 2	2	2	.....	.....	.....	27,765
3	Foundry and machine-shop products.	15	282	18	2	14	5	243	Au 248	Mh 234	241	241	.....	.....	.....	454,438
4	Lasts	7	297	5	13	32	6	241	Fe 267	Se 220	258	252	1	5	.....	748,332
5	Lumber, planing-mill products, not including planing mills connected with sawmills.	3	35	1	1	4	1	28	Ja 35	Ap 24	27	27	.....	.....	.....	96,595
6	Models and patterns, not including paper patterns.	4	59	4	4	12	1	38	No 43	Au 4 36	41	38	3	.....	.....	29,033
7	Printing and publishing	20	376	27	12	41	27	269	Ja 300	Oc 229	277	234	35	8	.....	401,420
8	All other industries *	42	1,163	32	42	38	39	1,012	.....	.....	996	799	183	4	10	3,611,999

* All other industries embrace—
Awnings, tents, and sails 2
Carpets, rag 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cleansing and polishing preparations 1
Clothing, men's 1
Clothing, women's 1
Copper, tin, and sheet-iron work 1
Cotton small wares 3
Electroplating 1
Flavoring extracts 2
Gas, illuminating and heating 2
Hand stamps 1
Hosiery and knit goods 1
House-furnishing goods, not elsewhere specified 1

1	**CAMBRIDGE**—All industries	316	19,569	248	496	1,419	657	16,749	My 17,060	De 16,046	16,934	11,957	4,793	55	129	$48,999,293
2	Automobile bodies and parts	5	99	2	2	7	5	83	My 97	De 61	82	81	1	.....	.....	165,510
3	Automobile repairing	4	35	3	.....	1	3	28	My 4 33	Fe 4 20	26	25	.....	1	.....	11,878
4	Bookbinding and blank-book making	6	328	3	5	13	4	303	Ja 312	De 291	291	125	161	3	2	406,615
5	Boxes and cartons, paper	5	528	.....	14	11	8	495	Mh 548	De 442	496	108	380	.....	8	384,221
6	Bread and other bakery products	40	1,124	43	16	136	28	901	Jy 972	Ja 870	899	654	244	1	.....	4,102,119
7	Carriages and wagons	4	87	6	4	2	4	71	Ap 88	De 60	60	60	.....	.....	.....	69,509
8	Clothing, men's	3	321	1	10	5	6	299	Ja 349	De 215	310	122	188	.....	.....	478,472
9	Confectionery and ice cream	21	1,443	14	34	103	51	1,241	.....	.....	1,234	375	755	5	99	1,790,807
10	Confectionery	15	1,322	8	32	97	44	1,141	Oc 1,268	Ap 1,079	1,147	293	750	5	99	1,653,089
11	Ice cream	6	121	6	2	6	7	100	Jy 129	Ja 78	87	82	5	.....	.....	137,718
12	Copper, tin, and sheet-iron products.	7	224	6	8	17	10	183	Je 201	No 167	174	165	9	.....	.....	522,968
13	Foundry and machine-shop products.	16	793	4	35	59	22	673	Ap 748	De 567	676	622	52	2	.....	1,361,123
14	Furniture, wood, including rattan and willow.	12	764	10	17	80	21	636	Ja 682	Jy 590	665	618	37	10	.....	1,275,953
15	Gas, illuminating and heating	3	306	.....	11	49	32	214	Se 231	Je 205	220	220	.....	.....	.....	3,540,291
16	Instruments, professional and scientific.	3	37	.....	3	.....	3	31	De 4 33	Au 29	33	33	.....	.....	.....	54,788
17	Looking-glass and picture frames	4	14	4	.....	.....	3	7	Se 10	Au 4 4	8	8	.....	.....	.....	8,377
18	Lumber, planing-mill products, not including planing mills connected with sawmills.	8	238	7	16	8	3	204	My 227	De 4 168	208	208	.....	.....	.....	606,737
19	Marble and stone work	10	200	9	7	8	3	173	Jy 196	No 149	175	174	.....	1	.....	249,540
20	Models and patterns, not including paper patterns.	3	22	4	.....	.....	1	17	Oc 22	Ja 13	19	19	.....	.....	.....	12,635
21	Musical instruments, pianos and organs and materials.	6	997	2	16	48	17	914	Fe 1,024	De 816	925	834	88	3	.....	3,517,512
22	Patent medicines and compounds	5	87	3	6	12	3	63	Oc 71	Fe 51	62	42	20	.....	.....	124,232
23	Printing and publishing, book and job.	23	1,633	32	28	16	17	1,540	Oc 1,576	Je 1,508	1,520	894	623	3	.....	3,339,551
24	Printing and publishing, newspapers and periodicals.	16	416	38	7	35	20	316	.....	.....	312	224	84	3	1	838,309
25	Printing, publishing, and job printing.	8	373	5	7	30	15	316	Se 333	Ap 304	312	224	84	3	1	823,972
26	Publishing without printing	8	43	33	.....	5	5	.....	.....	.....	.....	.....	.....	.....	.....	14,337
27	Soap	4	250	3	7	50	14	176	Fe 203	Au 142	182	126	53	.....	3	1,875,807
28	Structural ironwork, not made in steel works or rolling mills.	10	404	4	25	44	5	326	Fe 342	De 288	316	316	.....	.....	.....	1,080,983
29	Tobacco, cigars	3	15	3	.....	2	.....	10	Fe 4 12	No 4 9	10	8	2	.....	.....	6,855
30	Wood, turned and curved	3	26	3	2	1	.....	20	Ja 26	Oc 17	19	17	2	.....	.....	76,873
31	All other industries *	92	9,178	44	223	712	374	7,825	.....	.....	8,012	5,879	2,094	23	16	23,097,628

*All other industries embrace—
Artificial stone products 1
Awnings, tents, and sails 1
Babbitt metal and solder 1
Belting and hose, rubber hose 1
Blacking, stains, and dressings 2
Boot and shoe cut stock 2
Boot and shoe findings 1
Boots and shoes 1
Boots and shoes, rubber 1
Boxes, cigar 1
Boxes, wooden packing 3
Brass and bronze products 2
Brick 1
Brooms, from broom corn 2
Brushes, other than toilet and paint 1
Butter 1
Cars and general shop construction and repairs by steam-railroad companies 1
Chemicals 1
Cleansing and polishing preparations 3
Clothing, women's, undergarments and petticoats 1
Coffins, burial cases, and undertakers' goods 1
Collars and cuffs, men's 1
Cooperage, hogsheads and barrels 1
Druggists' preparations 1
Electrical machinery, apparatus, and supplies 7
Electroplating 1
Fancy articles, metal novelties 1
Food preparations, not elsewhere specified 2
Glass, cutting, staining, and ornamenting 2
Grease and tallow, soap stock 1
Horseshoes 1
Hosiery and knit goods 2
House-furnishing goods, mops, and dusters 1

[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.																
$13,360	$2,069	$61,653	.....	$3,072	$1,111	$28,155	$3,347	$134,510	$103,008	83	.....	20	.....	63	.....	1
.....	.....	700	.....	.....	159	34,752	625	40,226	4,849	65	.....	25	.....	40	.....	2
6,560	24,620	178,072	$75	6,839	3,139	123,240	4,102	431,325	303,983	230	135	37	.....	58	.....	3
50,648	42,729	181,294	.....	2,650	8,288	206,064	9,198	584,358	369,096	600	500	15	.....	85	150	4
1,560	5,180	28,669	.....	5,450	638	44,993	2,120	110,436	63,323	85	.....	60	.....	25	.....	5
11,820	10,744	22,557	.....	3,132	233	11,014	256	75,914	64,644	18	.....	10	.....	8	.....	6
35,992	62,801	197,541	1,174	17,107	3,747	241,779	6,205	744,241	496,257	314	.....	3	.....	311	.....	7
84,362	67,206	599,072	6,670	11,107	49,473	1,325,760	124,394	2,923,209	1,473,055	1,280	730	83	.....	467	182	8

ron and steel, nails and spikes, cut and wrought, including wire nails.. 3
Leather goods, not elsewhere specified 2
Leather, tanned, curried, and finished 1
Marble and stone work..... 1
Motorcycles, bicycles, and parts..... 1
Mucilage and paste..... 4
Paper goods, not elsewhere specified. 1
Patent medicines and compounds... 1
Rubber goods, not elsewhere specified 1
Sausage..... 1
Signs, advertising novelties..... 2
Sporting and athletic goods..... 1
Springs, steel, machinery and other.. 1
Suspenders, garters, and elastic woven goods..... 2
Window and door screens..... 1

$1,438,996	$2,106,033	$10,216,990	$214,591	$395,271	$1,830,874	$30,468,725	$1,065,971	$57,483,949	$25,949,253	26,227	18,767	1,365	.....	6,095	10,200	1
2,540	9,776	65,467	.....	8,985	469	53,540	2,387	203,517	147,590	76	.....	.....	.....	76	.....	2
.....	2,846	28,215	.....	3,561	127	9,369	469	49,836	39,998	34	.....	20	.....	14	3	3
11,940	17,684	164,529	.....	1,995	2,956	148,579	4,219	417,564	264,766	210	190	3	.....	17	.....	4
47,745	21,086	208,329	2,876	9,224	5,568	245,076	4,026	598,780	349,678	152	75	50	.....	27	10	5
48,502	178,946	511,795	100	22,975	37,497	2,010,548	60,364	3,954,493	1,883,581	1,171	992	.....	.....	179	328	6
3,900	2,996	50,304	.....	4,560	1,100	46,594	2,242	127,655	78,819	81	.....	.....	.....	81	.....	7
23,773	13,763	142,878	.....	3,200	3,712	408,667	6,616	623,002	207,719	61	.....	.....	.....	61	.....	8
89,940	154,177	508,877	500	16,588	21,236	2,460,279	43,023	3,807,709	1,304,407	1,183	465	5	.....	713	188	9
84,940	141,026	436,073	500	8,032	20,360	2,177,694	26,211	3,285,724	1,081,819	800	465	5	.....	330	188	10
5,000	13,151	72,804	.....	8,556	876	282,585	16,812	521,985	222,588	383	.....	.....	.....	383	.....	11
35,103	19,730	112,220	200	1,220	6,971	290,223	7,069	588,109	290,817	203	75	.....	.....	128	2	12
93,038	46,619	443,838	1,608	9,715	16,784	663,251	25,445	1,533,414	844,718	1,047	351	286	.....	410	231	13
49,625	125,163	495,422	40,452	58,644	6,676	356,677	10,851	1,283,764	916,236	556	241	212	.....	103	.....	14
29,450	64,639	193,686	.....	.....	88,707	74,828	325,849	1,040,194	639,517	1,375	1,150	.....	.....	225	.....	15
4,970	1,200	24,036	.....	3,016	413	42,433	780	99,554	56,341	24	.....	8	.....	16	.....	16
.....	1,580	4,678	136	1,484	73	5,190	216	20,568	15,162	4	.....	.....	.....	4	.....	17
27,780	12,606	194,971	20,920	16,181	5,520	444,483	7,132	730,111	278,496	930	675	250	.....	5	13	18
10,885	11,814	139,887	13,472	7,760	1,946	110,282	7,418	380,244	262,544	607	485	10	.....	112	.....	19
.....	624	14,922	.....	1,745	103	3,014	416	27,510	24,080	20	.....	.....	.....	20	.....	20
77,944	76,418	536,992	.....	32,272	38,933	715,375	19,298	1,673,588	938,915	1,156	975	45	.....	136	71	21
7,562	11,215	38,613	.....	1,500	1,478	53,621	1,564	133,239	78,054	81	.....	42	.....	39	.....	22
65,490	33,334	1,065,276	8,441	44,144	13,309	1,215,686	21,944	2,864,916	1,627,286	1,256	950	5	.....	301	750	23
27,800	70,042	246,769	104,181	4,788	5,812	152,139	9,925	737,162	575,098	338	30	.....	.....	308	.....	24
27,800	62,660	246,769	79,950	2,600	5,805	152,031	9,775	677,989	516,183	338	30	.....	.....	308	.....	25
.....	7,382	.....	24,231	2,188	7	108	150	59,173	58,915	.....	.....	.....	.....	.....	.....	26
31,882	48,040	95,264	.....	9,930	10,273	859,299	30,935	1,498,311	608,077	660	388	.....	.....	272	143	27
76,862	56,276	229,937	.....	6,352	9,056	457,542	13,069	955,270	484,659	513	300	45	.....	168	449	28
.....	1,550	6,676	.....	873	1,399	11,287	81	25,883	14,515	.....	.....	.....	.....	.....	.....	29
2,300	1,300	13,717	123	564	995	6,525	985	29,658	22,148	58	40	3	.....	15	.....	30
669,965	1,122,609	4,679,102	21,582	123,995	1,549,761	19,624,218	459,648	34,079,898	13,996,032	14,431	11,385	381	.....	2,665	8,012	31

Ink, writing..... 1
Jewelry..... 2
Jewelry and instrument cases..... 1
Lamps..... 1
Leather, tanned, curried, and finished 1
Liquors, distilled, alcohol (including pure, neutral, or cologne spirits)... 1
Mineral and soda waters..... 1
Mucilage and paste..... 2
Needles, pins, and hooks and eyes.... 1
Nets and seines..... 1
Oil, not elsewhere specified, oleo oil.. 1
Oleomargarine..... 1
Paints..... 1
Paving materials..... 1
Pickles and preserves..... 1
Plumbers' supplies, not elsewhere specified..... 1
Pottery, earthen and stone ware..... 1
Pumps, steam..... 1
Rubber goods, not elsewhere specified. 1
Sausage..... 2
Shipbuilding, wooden, small boats... 1
Show cases..... 1
Silk goods, throwsters and winders.. 1
Slaughtering and meat packing..... 4
Springs, steel, carriage and wagon.... 1
Stationery goods, not elsewhere specified..... 1
Statuary and art goods..... 1
Steam fittings and steam and hot-water heating apparatus..... 2
Steam packing..... 1
Sugar, refining..... 1
Tobacco, smoking..... 1
Tools, not elsewhere specified..... 1
Window and door screens..... 1
Wirework..... 2

[3] Same number reported throughout the year.

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

TABLE 45.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	**FALL RIVER**—All industries	315	38,097	263	405	411	184	36,834	Ap 37,250	No 36,170	37,355	20,149	15,110	1,121	975	$89,289,828
2	Bread and other bakery products	88	295	92	5	.....	1	197	No [3] 200	Au [3] 195	204	183	16	4	1	230,177
3	Carriages and wagons	3	29	3	.....	.....	.....	26	No [3] 27	Mh [3] 24	26	26	.....	.....	.....	27,600
4	Confectionery and ice cream	12	39	15	1	.....	.....	23	.....	.....	23	19	4	.....	.....	50,275
5	Confectionery	3	12	4	.....	.....	.....	8	(4) 8	(4) 8	8	5	3	.....	.....	8,900
6	Ice cream	9	27	11	1	.....	.....	15	Se [3] 18	Mh [3] 11	15	14	1	.....	.....	41,375
7	Copper, tin, and sheet-iron work	8	47	9	1	1	.....	36	Jy 38	Je 34	37	36	.....	1	.....	37,367
8	Cotton goods	45	30,885	2	211	181	64	30,427	Ja 31,071	Au 29,686	30,467	15,075	13,545	969	878	66,698,373
9	Cotton small wares	6	348	4	7	1	5	331	Jy 342	Au 314	351	135	162	33	21	605,386
10	Electroplating	3	8	4	.....	.....	.....	4	(4) 4	(4) 4	4	4	.....	.....	.....	2,900
11	Food preparations, not elsewhere specified.	3	5	3	.....	.....	.....	2	(4) 2	(4) 2	2	2	.....	.....	.....	3,560
12	Foundry and machine-shop products.	27	656	25	29	22	10	570	Fe 593	De 542	575	470	84	17	4	953,597
13	Hats and caps, other than felt, straw, and wool.	3	6	3	.....	.....	.....	3	Je [3] 5	Oc [3] 2	4	2	2	.....	.....	3,300
14	Lumber and timber products	6	91	6	2	1	2	80	Fe 90	Se 70	85	85	.....	.....	.....	112,500
15	Marble and stone work	10	55	9	.....	1	.....	45	Je 68	De 20	64	64	.....	.....	.....	79,104
16	Mineral and soda waters	7	21	8	.....	.....	.....	13	Au [3] 16	De [3] 12	13	13	.....	.....	.....	18,450
17	Printing and publishing, job printing.	15	79	14	6	2	3	54	Je 58	Au [3] 51	54	47	6	1	.....	79,936
18	Printing and publishing, newspapers and periodicals.	7	175	3	11	18	2	141	My [3] 143	Jy [3] 137	141	129	8	4	.....	302,053
19	Sausage	8	31	10	.....	.....	.....	21	De 23	Au [3] 19	23	22	1	.....	.....	20,705
20	Tobacco, cigars and cigarettes	5	9	5	1	.....	.....	3	(4) 3	(4) 3	3	3	.....	.....	.....	2,839
21	All other industries*	59	5,318	48	131	184	97	4,858	.....	.....	5,279	3,834	1,282	92	71	20,061,706

*All other industries embrace—
Artificial stone products 2
Automobile bodies and parts 1
Awnings, tents, and sails 2
Bags, other than paper 2
Belting, leather 3
Bookbinding and blank-book making 1
Boot and shoe findings 1
Brushes, other than toilet and paint 2
Carpets, rag 1
Cars and general shop construction and repairs by electric-railroad companies 1
Clothing, men's, youths', and boys' 3
Clothing, women's 2
Coffins, burial cases, and undertakers' goods 1
Cordage and twine 3
Dyeing and finishing textiles 4
Dyestuffs and extracts 1
Flavoring extracts 1

1	**HOLYOKE**—All industries	222	18,837	170	361	510	303	17,493	Ja 17,805	De 16,809	17,638	10,304	6,807	197	330	$51,668,053
2	Automobile repairing	6	17	6	.....	.....	1	10	No 11	De 9	9	9	.....	.....	.....	53,650
3	Awnings, tents, and sails	4	18	4	4	1	.....	9	My 19	De 2	14	9	5	.....	.....	10,457
4	Bookbinding and blank-book making	6	700	5	13	27	21	634	Ap 653	Se 613	641	417	221	2	1	1,169,935
5	Bread and other bakery products	33	164	34	4	.....	2	124	Au 128	Jy [3] 123	128	98	26	3	1	222,133
6	Carriages, wagons, and repairs	3	13	3	.....	1	.....	9	Je [3] 10	Se [3] 8	9	9	.....	.....	.....	47,260
7	Confectionery, ice cream	3	11	4	1	.....	1	5	Se [3] 6	De [3] 4	4	4	.....	.....	.....	6,483
8	Copper, tin, and sheet-iron work	4	121	5	5	4	.....	107	Oc 121	Mh 94	114	114	.....	.....	.....	152,897
9	Flour-mill and gristmill products	3	9	5	.....	.....	.....	4	(4) 4	(4) 4	4	4	.....	.....	.....	21,850
10	Foundry and machine-shop products.	15	506	17	30	33	13	413	Mh 434	De 391	448	445	2	1	.....	1,063,803
11	Lumber, planing-mill products, not including planing mills connected with sawmills.	4	210	1	15	10	2	182	No 217	Mh 147	202	200	.....	2	.....	292,149
12	Marble and stone work	4	38	8	1	1	.....	28	No 53	Au [3] 20	31	31	.....	.....	.....	78,913
13	Mineral and soda waters	3	8	3	.....	.....	.....	5	Oc [3] 6	De [3] 4	4	4	.....	.....	.....	5,810
14	Paper and wood pulp, paper exclusively.	21	4,925	.....	71	117	53	4,684	Mh 4,764	Au 4,585	4,689	3,017	1,672	.....	.....	13,885,129
15	Paper goods, not elsewhere specified	5	578	.....	21	25	36	496	Ja 523	Mh 416	496	369	127	.....	.....	1,218,006
16	Printing and publishing, job printing.	14	86	11	8	2	4	61	De [3] 64	Jy [3] 58	64	44	20	.....	.....	106,005
17	Printing and publishing, newspapers and periodicals.	9	128	4	8	16	24	76	.....	.....	78	70	8	.....	.....	195,806
18	Printing, publishing, and job printing.	6	100	2	6	12	4	76	De [3] 78	Se [3] 73	78	70	8	.....	.....	185,746
19	Publishing without printing	3	28	2	2	4	20	.....	.....	.....	.....	.....	.....	.....	.....	10,060
20	Saddlery and harness	5	15	5	.....	2	.....	8	(4) 8	(4) 8	8	8	.....	.....	.....	22,743
21	Sausage	7	16	7	.....	.....	.....	9	(4) 9	(4) 9	9	9	.....	.....	.....	14,855
22	Stationery goods, not elsewhere specified.	7	797	1	24	84	33	655	Ap 707	De 598	661	347	301	5	8	1,629,288
23	Tobacco manufactures	13	79	11	3	1	.....	64	Au [3] 66	Se 62	64	47	17	.....	.....	48,570
24	All other industries*	53	10,398	36	153	186	113	9,910	.....	.....	9,961	5,049	4,408	184	320	31,422,311

* All other industries embrace—
Artificial stone products 1
Belting, leather 1
Bluing 2
Boxes and cartons, paper 2
Brass and bronze products 2
Brooms, from broom corn 2
Cars and general shop construction and repairs by electric-railroad companies 1
Clothing, women's 1
Cotton goods 3
Dyeing and finishing textiles 1
Electrical machinery, apparatus, and supplies 1
Engraving, steel and copper plate, including plate printing 1
Envelopes 1
Furniture, store and office fixtures 1
Gas fixtures 1
Gas, illuminating and heating 1
Grease and tallow, soap stock 1
Hand stamps 1
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.										POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, including internal revenue and corporation income.	Principal materials.	Fuel and rent of power.			Total.	Steam engines.[1]	Internal-combustion engines.[2]	Water wheels and motors.[1]	Electric (rented).		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
$1,199,266	$538,589	$16,130,742	$42,679	$57,716	$1,397,950	$35,144,599	$2,016,888	$64,663,146	$27,501,659	139,582	131,469	901	1,167	6,045	12,173	1
1,560	520	127,466	.....	14,453	1,770	584,663	24,957	1,017,232	407,612	86	.....	3	.....	83	.....	2
.....	.....	16,649	.....	.....	237	12,530	380	44,700	31,790	24	.....	.....	.....	24	.....	3
468	.....	13,429	.....	1,878	275	72,767	1,095	124,342	50,480	25	.....	.....	.....	25	.....	4
.....	.....	3,775	.....	1,000	47	33,570	380	47,800	13,850	4	.....	.....	.....	4	.....	5
468	.....	9,654	.....	878	228	39,197	715	76,542	36,630	21	.....	.....	.....	21	.....	6
1,560	832	23,971	500	2,058	251	21,540	187	74,928	53,201	.....	.....	.....	.....	.....	.....	7
682,644	283,194	13,081,876	26,931	1,088	1,045,920	27,950,863	1,405,050	49,516,027	20,160,114	123,565	119,834	104	1,125	2,502	7,565	8
11,274	4,804	107,261	5,139	536	5,648	281,716	21,532	478,984	175,736	782	35	182	.....	565	.....	9
.....	.....	1,740	.....	380	15	673	258	5,100	4,169	9	.....	1	.....	8	.....	10
.....	.....	1,716	.....	292	31	7,068	197	13,582	6,317	2	.....	.....	.....	2	.....	11
68,966	26,437	341,791	28	9,230	15,603	433,207	19,966	1,063,957	610,784	627	205	142[1]	.....	280	126	12
.....	.....	885	.....	656	16	1,815	22	7,811	5,974	1	.....	.....	.....	1	.....	13
3,000	2,228	52,387	.....	2,010	1,326	96,455	1,980	191,681	93,246	486	315	25	.....	146	.....	14
.....	780	31,841	.....	624	812	24,268	2,473	76,329	49,588	374	320	48	.....	6	.....	15
.....	.....	8,086	.....	1,700	222	9,867	499	32,010	21,644	29	20	.....	2	7	.....	16
12,872	1,642	33,178	45	5,756	698	42,301	1,178	127,377	83,898	48	.....	.....	.....	48	.....	17
25,188	13,776	120,089	4,221	1,200	2,199	48,630	4,283	268,767	215,854	147	25	.....	.....	122	.....	18
.....	.....	16,109	.....	1,084	151	144,326	1,041	210,320	64,953	27	20	.....	.....	7	.....	19
780	.....	2,182	.....	715	905	2,805	17	11,200	8,378	.....	.....	.....	.....	.....	.....	20
390,954	204,376	2,150,086	5,815	14,056	321,871	5,409,105	531,773	11,398,799	5,457,921	13,350	10,695	396	40	2,219	4,482	21

Flour-mill and gristmill products	2	House-furnishing goods, not elsewhere specified	2	Paper goods, not elsewhere specified	2	Tools, machinists	1
Gas, illuminating and heating	1	Jewelry	1	Patent medicines and compounds	1	Trunks and valises	2
Glass, cutting, staining, and ornamenting	1	Liquors, malt	1	Pickles and sauces	2	Varnishes	1
Grease and tallow, soap stock	1	Mattresses and spring beds	1	Pipes, tobacco	1	Waste	1
Hats, fur-felt	3	Musical instruments, pianos	1	Tobacco, smoking	1	Wood, turned and carved	2

$1,205,257	$1,019,864	$8,994,270	$201,598	$98,167	$563,516	$23,989,342	$1,373,106	$44,041,155	$18,678,707	74,369	36,114	95	29,732	8,428	13,108	1
.....	750	9,288	200	880	83	3,256	360	23,200	19,584	18	.....	.....	.....	18	.....	2
2,340	1,601	5,547	.....	1,334	33	14,509	103	30,940	16,328	5	.....	.....	.....	5	.....	3
45,143	41,448	364,970	.....	1,368	13,745	367,147	5,531	1,274,760	902,082	223	165	.....	.....	58	144	4
4,764	988	83,473	.....	13,641	1,754	303,486	9,704	560,774	247,584	40	.....	.....	.....	40	.....	5
.....	950	6,704	.....	150	724	8,800	183	23,691	14,708	14	.....	.....	.....	14	.....	6
1,040	520	2,721	.....	1,110	59	15,014	219	29,619	14,386	12	.....	.....	.....	12	.....	7
10,660	3,275	58,675	1,000	3,465	575	127,811	3,020	249,075	118,244	23	.....	.....	.....	23	.....	8
.....	.....	2,322	.....	1,200	122	109,642	1,260	118,374	7,472	150	.....	.....	.....	150	.....	9
66,388	40,936	280,788	.....	6,382	13,203	406,407	17,369	1,088,374	664,598	1,148	550	12	168	418	259	10
27,642	8,468	136,642	.....	3,600	3,549	364,637	1,858	641,353	274,858	360	335	.....	.....	25	.....	11
2,270	2,215	27,234	405	138	417	33,846	913	76,988	42,229	113	50	.....	.....	63	.....	12
.....	.....	2,950	.....	444	61	4,980	18	19,250	14,252	3	.....	.....	.....	5	.....	13
264,507	168,531	2,486,794	2,061	.....	181,334	7,456,917	814,894	13,178,525	4,906,714	42,582	18,081	60	22,611	1,830	1,830	14
86,130	62,604	282,485	106	16,019	12,489	1,237,146	20,625	1,931,564	673,793	1,033	610	.....	.....	423	.....	15
7,336	1,926	34,824	.....	4,246	761	27,954	1,310	109,108	79,844	43	.....	2	.....	41	.....	16
21,059	22,551	68,564	28,192	7,404	1,645	48,047	4,367	265,134	212,720	92	.....	.....	2	90	.....	17
16,484	12,844	68,564	.....	6,240	1,582	47,871	4,342	198,631	146,418	92	.....	.....	2	90	.....	18
4,575	9,707	.....	28,192	1,164	63	176	25	66,503	66,302	.....	.....	.....	.....	.....	.....	19
.....	1,773	5,240	.....	768	105	18,085	113	33,261	15,063	7	.....	.....	.....	7	.....	20
.....	.....	7,408	.....	453	54	48,407	573	73,632	24,652	26	.....	.....	.....	26	.....	21
81,493	172,310	334,032	.....	4,568	13,392	908,617	15,467	1,891,009	966,925	582	130	.....	1	451	.....	22
4,180	1,040	42,356	.....	1,748	9,556	39,425	81	117,788	78,282	3	.....	.....	.....	3	.....	23
580,305	487,978	4,751,253	169,634	29,249	309,855	12,445,209	475,138	22,304,736	9,384,389	27,892	16,193	21	6,950	4,728	10,875	24

Jewelry	1	Musical instruments and materials, not specified	2	Steam fittings and steam and hot-water heating apparatus	1	Trunks and valises	1
Leather goods, not elsewhere specified	1	Patent medicines and compounds	2	Stereotyping and electrotyping	1	Typewriters, supplies, carbon paper	1
Lithographing	1	Printing materials	1	Structural ironwork, not made in steel works or rolling mills	1	Umbrellas and canes	1
Mattresses and spring beds	1	Pumps, steam	1	Tools, carpenters'	1	Wire	1
Mucilage and paste	1	Silk goods, finished products	2			Wirework	1
						Woolen and worsted goods	5

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

[4] Same number reported throughout the year.

TABLE 45.—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	**LAWRENCE**—All industries	221	32,260	203	264	484	266	31,043	Ap 33,501	De 27,307	32,832	20,412	11,827	249	344	$99,639,625
2	Artificial stone products	4	16	6	.....	.....	.....	10	(3) 10	(3) 10	10	10	.....	.....	.....	12,450
3	Bread and other bakery products	59	252	60	5	1	15	171	Se 175	No 4 168	174	163	11	.....	.....	260,133
4	Brooms, from broom corn	3	16	4	.....	.....	.....	12	(3) 12	(3) 12	12	11	.....	1	.....	9,200
5	Carriages and wagons and materials	7	163	7	8	7	4	137	Je 162	Au 82	131	131	.....	.....	.....	816,790
6	Confectionery and ice cream	8	48	8	6	4	4	26	Jy 45	Fe 15	20	19	1	.....	.....	129,610
7	Cotton goods	4	4,256	.....	24	34	9	4,189	Ja 4,374	Au 3,719	4,154	2,117	2,021	9	7	9,128,792
8	Foundry and machine-shop products	17	739	15	29	20	10	665	.....	.....	624	550	71	3	.....	1,268,237
9	Machine and boiler shops	14	569	14	26	18	8	503	Je 533	De 480	501	427	71	3	.....	958,331
10	Foundries	3	170	1	3	2	2	162	Ap 191	De 123	123	123	.....	.....	.....	309,906
11	Marble and stone work	4	21	4	.....	1	.....	16	My 36	De 4 10	11	11	.....	.....	.....	71,309
12	Mattresses and spring beds	3	15	5	.....	.....	1	9	Au 11	Oc 4 7	9	7	2	.....	.....	18,198
13	Mineral and soda waters	5	16	5	1	1	.....	9	(3) 9	(3) 9	9	9	.....	.....	.....	19,943
14	Models and patterns, not including paper patterns.	3	13	4	.....	1	.....	8	Jy 4 10	No 4 6	8	8	.....	.....	.....	6,840
15	Printing and publishing	21	194	20	12	30	11	121	Se 131	Mh 115	130	113	11	3	3	251,078
16	Saddlery and harness	3	6	3	.....	.....	.....	3	(3) 3	(3) 3	3	3	.....	.....	.....	9,825
17	Sausage	11	42	14	.....	1	1	26	De 4 28	Mh 4 23	28	26	2	.....	.....	41,556
18	Tobacco, cigars	5	15	5	.....	.....	.....	10	(3) 10	(3) 10	10	9	1	.....	.....	4,576
19	Woolen and worsted goods	11	21,037	8	81	250	133	20,565	Ap 22,829	De 17,301	22,508	12,954	9,024	209	321	68,365,499
20	All other industries *	53	5,411	35	98	134	78	5,066	.....	.....	4,991	4,271	683	24	13	19,225,589

*All other industries embrace—
Agricultural implements 1
Awnings, tents, and sails 2
Belting, leather 3
Belting and hose, woven 1
Boots and shoes 2
Boxes, wooden packing 2
Brass and bronze products 2
Brushes 2
Carpets and rugs, other than rag 1
Carpets, rag 2
Cars and general shop construction and repairs by steam-railroad companies 1
Cleansing preparations 1
Clothing, women's 1
Copper, tin, and sheet-iron work 1
Cotton small wares 1
Dyeing and finishing textiles 3
Files 1
Flour-mill and gristmill products 1
Food preparations, macaroni and noodles 1

1	**LOWELL**—All industries	300	31,457	261	431	522	339	29,904	Mh 31,216	Au 28,468	30,937	17,519	12,861	324	233	$68,714,844
2	Belting, leather	3	15	2	1	1	1	10	Ap 4 12	De 4 9	9	9	.....	.....	.....	45,171
3	Bookbinding and blank-book making.	3	65	3	1	3	2	56	Oc 99	Au 38	54	28	26	.....	.....	35,232
4	Boots and shoes	9	1,597	5	54	18	35	1,485	Se 1,728	Je 1,353	1,518	903	530	50	35	1,119,172
5	Boxes and cartons, paper	3	160	1	5	2	4	148	De 171	Au 124	171	54	116	.....	1	169,109
6	Boxes, wooden packing	7	251	6	7	2	4	232	Mh 4 250	Oc 213	222	222	.....	.....	.....	363,016
7	Bread and other bakery products	57	298	65	1	.....	11	221	Oc 230	Ap 214	227	204	21	2	.....	170,408
8	Confectionery and ice cream	7	17	9	.....	.....	.....	8	.....	.....	8	8	.....	.....	.....	11,650
9	Confectionery	4	9	5	.....	.....	.....	4	(3) 4	(3) 4	4	4	.....	.....	.....	5,800
10	Ice cream	3	8	4	.....	.....	.....	4	(3) 4	(3) 4	4	4	.....	.....	.....	5,850
11	Copper, tin, and sheet-iron work	6	43	7	2	1	3	30	Oc 39	Mh 3 19	29	28	1	.....	.....	28,164
12	Cotton goods	8	13,325	.....	127	87	45	13,066	Ja 13,989	Au 12,226	13,145	7,199	5,772	128	46	28,125,470
13	Cotton small wares	4	90	2	5	6	1	76	Mh 116	No 4 46	77	36	39	.....	2	124,217
14	Dyeing and finishing textiles	3	783	.....	13	47	18	705	Fe 738	De 663	699	599	98	1	1	949,551
15	Foundry and machine-shop products	26	1,977	22	32	50	32	1,841	.....	.....	1,962	1,934	19	3	6	4,370,300
16	Machine and boiler shops	23	1,880	19	28	50	30	1,753	Ja 2,057	De 1,607	1,875	1,847	19	3	6	4,248,970
17	Foundries	3	97	3	4	.....	2	88	Ja 96	Oc 4 83	87	87	.....	.....	.....	121,330
18	Furniture, wood, other than rattan and willow.	3	64	1	3	.....	2	58	De 72	Fe 41	72	69	.....	3	.....	64,655
19	Lumber, planing-mill products, not including planing mills connected with sawmills.	7	134	5	10	1	7	111	Au 130	Ap 93	116	116	.....	.....	.....	304,187
20	Marble and stone work	11	34	17	.....	.....	.....	17	Oc 4 18	Ja 13	17	17	.....	.....	.....	21,836
21	Mattresses and spring beds	3	25	3	.....	3	1	18	(3) 18	(3) 18	18	13	5	.....	.....	16,206
22	Mineral and soda waters	7	26	11	1	.....	1	13	Je 16	Fe 4 11	12	12	.....	.....	.....	43,948
23	Patent medicines and compounds	8	220	6	10	13	31	160	No 212	Jy 112	168	106	62	.....	.....	1,023,777
24	Printing and publishing, job printing.	12	76	9	7	.....	5	55	(3) 55	(3) 55	55	52	3	.....	.....	77,298
25	Printing and publishing, newspapers and periodicals.	9	231	6	12	43	16	154	.....	.....	144	129	15	.....	.....	425,730
26	Printing, publishing, and job printing.	6	222	4	12	40	14	152	Oc 175	Se 137	142	127	15	.....	.....	417,780
27	Publishing without printing	3	9	2	.....	3	2	2	(3) 2	(3) 2	2	2	.....	.....	.....	7,950
28	Saddlery and harness	3	18	3	.....	2	1	12	(3) 12	(3) 12	12	12	.....	.....	.....	79,500
29	Tobacco, cigars and cigarettes	10	34	7	1	1	.....	25	De 4 27	Fe 4 23	27	27	.....	.....	.....	34,475
30	Wood, turned and carved	4	379	3	11	5	6	354	Mh 372	Au 338	333	329	.....	4	.....	248,918
31	Woolen and worsted goods	9	1,985	5	22	15	27	1,916	Ap 2,127	Ja 1,657	1,996	933	975	23	65	4,100,687
32	All other industries *	78	9,610	63	106	222	86	9,133	.....	.....	9,846	4,480	5,179	110	77	26,762,167

*All other industries embrace—
Ammunition, cartridges 1
Artificial limbs 1
Awnings, tents, and sails 2
Blacking, stains, and dressings 1
Brass and bronze products 2
Brooms 1
Brushes 1
Buttons 1
Carpets and rugs, other than rag 2
Carpets, rag 2
Carriages and wagons 2
Cars and general shop construction and repairs by electric-railroad companies 1
Cleansing and polishing preparations 2
Clothing, women's 3
Coffins, burial cases, and undertakers' goods 1
Combs and hairpins, not made from metal or rubber 1
Electrical machinery, apparatus, and supplies 3
Electroplating 1
Felt goods 1
Files 1
Flavoring extracts 2
Flour-mill and gristmill products 1
Food preparations, not elsewhere specified 2
Gas, illuminating and heating 1
Glucose and starch 1
Glue, not elsewhere specified 1
Hand stamps 1
Hosiery and knit goods 5

[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.			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).		
$1,050,080	$742,347	$15,778,442	$231,803	$67,607	$903,430	$43,050,915	$2,101,315	$73,177,803	$28,025,573	93,572	76,519	1,073	13,788	2,192	52,988	1
.....	.....	6,012	.....	.....	39	9,411	194	20,200	10,595	10	.....	.....	.....	10	.....	2
13,958	6,223	108,364	.....	11,090	2,314	460,030	16,001	799,739	323,708	183	.....	.....	.....	183	.....	3
.....	.....	8,070	.....	780	65	13,951	338	26,222	11,933	10	.....	.....	.....	10	.....	4
19,573	8,275	94,643		1,560	7,133	192,749	6,890	362,085	162,446	283	200	15	.....	68	.....	5
9,822	4,690	19,789	.....	3,664	1,174	116,692	3,287	206,040	86,061	151	.....	.....	.....	151	.....	6
92,738	36,120	1,832,566	1,250	.....	77,381	4,482,445	173,986	7,143,127	2,486,696	16,567	10,847	850	4,870	.....	8,280	7
75,731	32,367	413,707	356	5,496	14,566	594,866	26,819	1,272,741	651,056	1,381	606	43	125	607	283	8
64,371	29,117	297,184	356	3,096	12,743	468,277	20,746	1,011,787	522,764	1,171	531	43	85	512	133	9
11,360	3,250	116,523	.....	2,400	1,823	126,589	6,073	260,954	128,292	210	75	.....	40	95	150	10
.....	1,900	12,733	3,520	168	703	6,491	941	32,696	25,264	116	50	.....	.....	66	.....	11
.....	425	5,680	.....	120	208	15,713	334	35,328	19,281	14	.....	.....	.....	14	.....	12
1,000	550	5,286	.....	1,053	154	19,230	1,488	41,400	20,682	47	24	.....	.....	23	.....	13
.....	672	7,329	.....	765	24	1,423	155	12,785	11,207	26	.....	.....	.....	26	.....	14
23,080	25,105	93,847	2,395	9,579	1,916	77,049	5,399	285,464	203,016	196	.....	.....	.....	196	.....	15
.....	.....	1,924	.....	600	47	3,600	140	9,628	5,888	3	.....	.....	.....	3	.....	16
.....	1,000	16,810	.....	4,312	337	89,500	2,253	135,328	43,575	103	20	.....	.....	83	.....	17
.....	.....	7,415	.....	878	2,083	5,639	35	19,494	13,820	1	.....	.....	.....	1	.....	18
531,835	441,596	10,456,724	5,603	4,546	479,358	31,379,160	1,217,449	51,584,497	18,987,888	61,810	56,335	33	5,438	4	40,812	19
282,343	183,424	2,687,543	218,679	22,996	315,928	5,582,966	645,606	11,191,029	4,962,457	12,671	8,437	132	3,355	747	3,613	20

Gas, illuminating and heating..... 1
Hats and caps, other than felt, straw, and wool..... 1
Jewelry..... 1
Leather goods, not elsewhere specified 1
Liquors, malt..... 2
Lumber, planing-mill products, not including planing mills connected with sawmills..... 3
Paper and wood pulp..... 3
Patent medicines and compounds.... 1
Pumps, steam..... 2
Shipbuilding, wooden, small boats.... 1
Silk goods, finished products..... 1
Soap..... 1
Stationery goods, not elsewhere specified..... 1
Steam fittings and steam and hot-water heating apparatus..... 1
Structural ironwork, not made in steel works or rolling mills..... 1
Wood, turned and carved..... 2
Wool scouring..... 1

$1,143,176	$773,086	$14,001,930	$54,234	$209,190	$851,577	$31,697,648	$1,406,586	$56,048,641	$22,944,407	83,817	52,968	1,077	25,904	3,868	31,239	1
2,600	1,248	10,552	.....	900	532	56,226	480	77,627	20,921	8	.....	.....	.....	8	.....	2
2,080	3,484	27,337	6,404	3,130	271	17,611	778	76,765	58,376	44	.....	.....	.....	44	.....	3
92,964	36,418	684,251	.....	17,305	8,188	2,334,703	20,047	3,549,043	1,194,293	800	475	72	.....	253	.....	4
11,517	4,480	73,232	.....	7,568	1,678	81,707	3,657	212,861	127,497	70	.....	.....	.....	70	.....	5
8,800	3,842	113,798	1,453	11,250	3,847	475,395	1,170	656,219	179,654	1,197	945	250	.....	2	.....	6
1,022	3,808	145,726	.....	15,931	1,942	399,981	15,207	734,044	318,856	92	.....	3	.....	89	.....	7
.....	.....	5,424	96	2,040	247	33,501	679	56,771	22,591	18	.....	6	.....	12	.....	8
.....	.....	2,488	96	1,200	137	12,001	308	19,971	7,662	6	.....	.....	.....	6	.....	9
.....	.....	2,936	.....	840	110	21,500	371	36,800	14,929	12	.....	6	.....	6	.....	10
3,200	2,012	18,666	100	2,415	477	20,213	555	58,572	37,804	5	.....	.....	.....	5	.....	11
320,807	114,046	5,753,602	.....	225	280,546	13,631,195	607,322	23,005,921	8,767,404	53,111	31,880	.....	21,180	51	23,815	12
6,000	4,252	34,076	8,876	3,200	466	93,118	1,265	172,412	78,029	22	.....	10	.....	12	.....	13
50,070	31,860	390,077	15,922	6,515	14,320	793,042	61,526	1,440,266	585,698	1,227	1,212	.....	.....	15	1,075	14
95,128	81,420	1,122,251	251	9,684	44,981	1,229,517	53,665	2,788,452	1,505,270	2,605	1,091	87	634	793	45	15
89,928	80,380	1,067,445	251	9,684	43,324	1,198,876	48,626	2,682,197	1,434,695	2,482	1,091	87	634	670	45	16
5,200	1,040	54,806	.....	.....	1,657	30,641	5,039	106,255	70,575	123	.....	.....	.....	123	.....	17
5,570	912	36,847	.....	2,947	450	30,989	2,410	80,505	47,106	282	125	157	.....	.....	.....	18
20,663	4,484	81,890	1,458	6,040	4,108	296,464	2,535	466,634	167,635	739	600	94	.....	45	12	19
.....	.....	12,566	5,626	1,056	245	8,968	961	47,052	37,123	55	10	.....	.....	45	.....	20
.....	1,144	7,467	.....	1,450	217	23,668	425	40,820	16,727	20	.....	.....	.....	20	.....	21
1,000	468	7,446	.....	1,346	349	14,341	493	39,050	24,216	21	.....	.....	.....	21	.....	22
43,822	40,556	92,111	.....	20,068	10,860	316,357	5,026	795,241	473,858	533	460	.....	.....	73	5	23
7,586	2,781	38,813	755	5,021	1,022	40,883	2,030	128,390	85,477	83	.....	.....	.....	83	.....	24
50,730	56,298	124,836	11,654	11,438	5,439	230,634	6,155	562,950	326,161	468	.....	.....	.....	468	.....	25
50,730	53,398	123,736	3,000	11,438	5,434	230,028	6,155	546,400	310,217	468	.....	.....	.....	468	.....	26
.....	2,900	1,100	8,654	.....	5	606	.....	16,550	15,944	.....	.....	.....	.....	.....	.....	27
.....	2,000	6,624	.....	360	961	23,615	424	37,416	13,377	5	.....	.....	.....	5	.....	28
1,920	780	14,065	.....	1,376	8,888	24,059	262	59,968	35,647	7	.....	.....	.....	7	.....	29
12,228	10,201	138,690	.....	1,030	3,463	179,495	2,077	403,825	222,253	360	210	150	.....	.....	.....	30
54,308	41,147	931,019	178	20,829	40,306	2,332,553	103,883	3,923,754	1,487,318	4,262	2,875	20	500	867	315	31
351,161	325,445	4,130,564	1,461	56,066	417,774	9,009,413	513,554	16,634,083	7,111,116	17,783	13,085	228	3,590	880	5,972	32

Leather goods, not elsewhere specified..... 1
Leather, tanned, curried, and finished..... 2
Liquors, malt..... 1
Lumber and timber products..... 1
Millinery and lace goods, trimmed hats and hat frames..... 1
Models and patterns, not including paper patterns..... 1
Musical instruments, pianos..... 1
Musical instruments, piano materials. 1
Paper goods, not elsewhere specified.. 2
Phonographs and graphophones..... 1
Pickles and preserves..... 1
Printing and publishing, music..... 1
Rubber goods, not elsewhere specified 1
Scales and balances..... 1
Screws, machine..... 1
Silk goods, finished products..... 1
Soap..... 2
Stationery goods, not elsewhere specified..... 2
Stencils and brands..... 1
Stereotyping and electrotyping..... 1
Structural ironwork, not made in steel works or rolling mills..... 2
Suspenders, garters, and elastic-woven goods..... 1
Tools, not elsewhere specified..... 1
Vinegar and cider..... 1
Waste, cotton..... 1
Window and door screens..... 1
Wirework..... 2
Wool shoddy..... 1

[3] Same number reported throughout the year.

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

TABLE 45.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	**LYNN.**—All industries	429	29,064	451	602	1,591	1,081	25,339	Mh 27,115	No 24,086	25,888	17,847	7,951	52	38	$44,252,508
2	Awnings, tents, and sails	3	10	.....	.....	1	1	8	Je 16	De 2	14	10	4	.....	.....	6,750
3	Blacking, stains, and dressings	10	113	6	11	19	15	62	My 75	Oc 51	55	50	5	.....	.....	120,356
4	Boot and shoe cut stock	44	816	56	27	33	38	662	Mh 740	No 623	652	491	155	4	2	3,922,912
5	Boot and shoe findings	44	942	51	32	40	33	786	Ja 1,080	Je 528	795	555	227	6	7	1,311,523
6	Boots and shoes	106	13,704	116	302	468	487	12,331	.....	.....	12,753	7,408	5,296	29	20	12,825,756
7	Regular factory product	90	13,426	95	300	467	485	12,079	Mh 12,728	Je 11,101	12,455	7,361	5,045	29	20	12,787,584
8	Stitching	9	208	11	1	.....	1	195	Mh 255	Je 159	226	9	217	.....	.....	23,668
9	Crimping and contract work	3	19	4	.....	.....	.....	15	Mh 23	De [3] 5	21	16	5	.....	.....	2,900
10	Buttonholes	4	51	6	1	1	1	42	Ja 64	No 27	51	22	29	.....	.....	11,604
11	Boxes and cartons, paper	5	378	5	7	1	12	353	Mh 380	Ap 317	366	172	185	.....	9	428,939
12	Bread and other bakery products	39	279	42	5	3	23	206	De 211	Mh 200	211	191	20	.....	.....	216,154
13	Carriages and wagons	5	38	5	.....	1	.....	32	Ap 44	Oc 25	26	26	.....	.....	.....	37,087
14	Confectionery and ice cream	4	26	6	1	2	.....	17	Se 26	Ja 11	17	13	4	.....	.....	46,335
15	Foundry and machine-shop products	24	368	23	19	20	16	290	Fe 321	No 256	262	255	7	.....	.....	671,309
16	Lasts	8	269	6	10	13	6	234	Jy 272	No 169	209	201	8	.....	.....	372,450
17	Leather, tanned, curried, and finished	9	703	5	18	40	7	633	My 712	De 553	672	669	.....	3	.....	2,192,802
18	Lumber, planing-mill products, not including planing mills connected with sawmills.	5	100	3	4	3	3	87	Au 111	Fe 66	90	90	.....	.....	.....	171,666
19	Marble and stone work	4	23	5	.....	.....	2	16	My 21	Ja 8	16	16	.....	.....	.....	27,346
20	Mineral and soda waters	4	40	7	2	9	1	21	Au [3] 34	Ap [3] 13	14	14	.....	.....	.....	51,612
21	Models and patterns, not including paper patterns.	10	61	17	1	.....	2	41	Mh [3] 43	Se 38	41	39	1	1	.....	36,454
22	Patent medicines and compounds	9	121	7	9	6	4	95	De 107	Fe 86	108	41	64	3	.....	294,825
23	Printing and publishing, job printing	21	199	24	11	5	14	145	Je [3] 155	Ja 132	145	107	36	2	.....	221,121
24	Printing and publishing, newspapers and periodicals.	6	228	4	7	63	8	146	Oc 152	Au 139	151	147	4	.....	.....	205,423
25	Tobacco, cigars	6	29	6	2	2	1	18	No [3] 22	Mh 12	21	18	3	.....	.....	9,770
26	All other industries *	63	10,617	57	134	862	408	9,156	.....	.....	9,270	7,334	1,932	4	.....	21,081,918

*All other industries embrace—
Artificial stone products 2
Automobile repairing 2
Bookbinding and blank-book making 1
Brass and bronze products 1
Brick 2
Carriage and wagon materials 1
Cars and general shop construction and repairs by electric-railroad companies 1
Chemicals 1
Clothing, men's 1
Copper, tin, and sheet-iron work 1
Druggists' preparations 1
Electrical machinery, apparatus, and supplies 7
Electroplating 1
Engines, steam, gas, and water 1
Engraving and diesinking 2
Fancy articles, metal novelties 1
Flavoring extracts 1
Flour-mill and gristmill products 1
Food preparations, not elsewhere specified 2
Furniture, wood, other than rattan and willow 1
Gas and electric fixtures 1
Gas, illuminating and heating 1

1	**NEW BEDFORD.**—All industries.	233	34,539	217	368	393	218	33,343	Ap 34,602	Se 31,964	33,410	19,321	13,038	534	517	$88,243,781
2	Bread and other bakery products	58	478	72	10	32	15	349	Oc 367	Mh [3] 337	346	274	39	6	27	577,919
3	Carriages and wagons	5	38	5	1	.....	1	31	De [3] 33	Ja 29	33	33	.....	.....	.....	69,890
4	Confectionery and ice cream	6	46	8	5	10	1	22	Au 29	De [3] 17	19	19	.....	.....	.....	48,140
5	Cotton goods	29	29,198	3	230	165	81	28,719	Ap 29,812	Se 27,352	28,979	15,659	12,408	477	435	78,230,430
6	Foundry and machine-shop products.	18	363	27	19	7	8	302	Ap 326	Jy 277	310	286	23	1	.....	378,640
7	Lumber, planing-mill products, not including planing mills connected with sawmills.	6	86	9	3	1	1	72	Jy 79	Fe 66	68	67	1	.....	.....	80,476
8	Marble and stone work	11	35	11	.....	1	.....	23	Au 30	Fe [3] 14	28	28	.....	.....	.....	46,008
9	Mineral and soda waters	8	45	9	2	4	2	28	Au 43	Ja 14	27	25	2	.....	.....	83,724
10	Printing and publishing	20	346	15	18	21	19	273	Oc 278	Au 266	270	227	25	18	.....	529,784
11	Sausage	6	42	6	.....	3	.....	33	([4]) 33	([4]) 33	33	33	.....	.....	.....	49,790
12	Tobacco, cigars	4	11	3	.....	.....	1	7	Mh [3] 10	Au 2	8	7	1	.....	.....	7,572
13	All other industries *	62	3,851	49	80	149	89	3,484	.....	.....	3,289	2,663	539	32	55	8,141,408

*All other industries embrace—
Artificial stone products 3
Awnings, tents, and sails 1
Boot and shoe findings 1
Boots and shoes 2
Boxes and cartons, paper 2
Brass and bronze products 2
Brooms, from broom corn 1
Card cutting and designing 1
Carpets, rag 1
Cars and general shop construction and repairs by electric-railroad companies 1
Chemicals 2
Clothing, women's 1
Coffee and spice, roasting and grinding, spice 1
Cooperage, hogsheads and barrels 1
Copper, tin, and sheet-iron work 1
Cordage and twine 2
Cotton small wares 1
Electroplating 1
Fancy articles, wood novelties 1
Firearms 1
Food preparations, not elsewhere specified 1
Furniture, store and office fixtures 1
Gas, illuminating and heating 1

[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.			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).		
$1,366,650	$2,591,945	$15,593,482	$243,545	$609,320	$288,353	$37,998,606	$696,571	$69,783,418	$31,088,241	22,747	15,817	2,744	.....	4,186	19,438	1
.....	1,256	3,954	225	648	5	11,253	145	25,548	14,150	2	.....	.....	.....	2	.....	2
21,697	28,266	43,382	.....	14,988	938	295,274	6	525,451	230,171	78	.....	78	.....	.....	.....	3
62,478	63,769	365,251	.....	46,091	13,709	9,313,280	5,799	10,427,430	1,108,351	416	150	153	.....	113	110	4
56,998	62,589	395,301	12,311	50,664	8,251	2,401,821	9,502	3,396,813	985,490	477	.....	108	.....	369	.....	5
569,427	953,872	8,031,284	218,046	363,315	59,369	16,246,001	29,173	30,066,815	13,791,641	3,268	370	1,924	.....	974	.....	6
568,153	952,436	7,918,900	217,821	356,682	59,109	16,226,333	29,019	29,889,507	13,634,155	3,174	370	1,860	.....	944	.....	7
750	500	87,410	225	4,415	192	15,011	24	130,250	115,215	77	.....	61	.....	16	.....	8
.....	.....	5,912	.....	1,226	36	850	24	10,700	9,826	3	.....	.....	.....	3	.....	9
524	936	19,062	.....	992	32	3,807	106	36,358	32,445	14	.....	3	.....	11	.....	10
12,825	9,309	177,025	.....	11,500	3,906	405,674	5,070	735,948	325,204	507	255	77	.....	175	.....	11
5,499	11,553	154,340	50	13,798	2,475	433,130	12,850	784,033	338,053	99	.....	.....	.....	99	.....	12
.....	104	24,346	.....	1,196	296	17,121	697	55,522	37,704	55	.....	.....	.....	55	.....	13
800	1,770	10,298	.....	1,366	509	52,858	1,383	82,305	28,064	73	20	3	.....	50	.....	14
40,828	38,491	215,907	1,500	24,022	9,633	115,988	4,757	523,538	402,793	224	.....	100	.....	124	.....	15
31,010	17,141	152,591	.....	4,921	2,302	94,742	10,649	389,107	283,716	447	.....	20	.....	427	.....	16
44,930	40,705	316,718	.....	23,192	11,691	2,996,460	23,616	3,848,671	828,595	1,450	710	203	.....	537	.....	17
7,690	7,477	61,049	.....	2,350	1,113	133,116	1,197	277,128	142,815	285	225	30	.....	30	.....	18
.....	780	13,953	800	350	244	13,710	1,158	44,793	29,925	70	.....	.....	.....	70	.....	19
2,040	5,619	15,617	.....	2,430	281	23,622	1,019	67,087	42,446	17	.....	.....	.....	17	.....	20
1,000	468	33,444	.....	5,630	214	13,822	322	93,973	79,829	30	.....	.....	.....	30	.....	21
40,220	22,974	52,305	.....	1,349	6,896	235,739	1,509	1,180,498	943,250	48	40	.....	.....	8	18	22
19,975	12,192	82,891	3,175	11,915	1,510	121,832	1,942	344,845	221,071	135	.....	12	.....	123	.....	23
28,632	54,953	136,799	1,080	4,240	4,150	74,454	7,416	336,924	255,054	250	100	.....	.....	150	128	24
1,668	644	10,427	.....	1,563	2,567	12,155	30	32,345	20,160	.....	.....	.....	.....	.....	.....	25
418,933	1,258,013	5,296,600	6,358	23,792	158,294	4,986,554	578,331	16,544,614	10,979,759	14,816	13,947	36	.....	833	19,182	26

Grease and tallow, soap stock	2	Lard, not made in slaughtering and meat-packing establishments	1	Pocketbooks	2
Hardware	1	Leather goods, not elsewhere specified	1	Rubber goods, not elsewhere specified	2
Hats, fur-felt	1	Mattresses and spring beds	2	Saddlery and harness	1
Iron and steel, nails and spikes, cut and wrought, including wire nails	1	Mucilage and paste	3	Shipbuilding, wooden, including boat building	1
Jewelry	1	Photo-engraving	1	Shirts	1
Soap	2				
Steam packing	1				
Stencils and brands	2				
Surgical appliances	1				
Tools, not elsewhere specified	2				
Wooden goods, not elsewhere specified	1				

$1,246,950	$646,391	$16,558,156	$153,245	$67,551	$1,295,432	$36,034,126	$1,539,521	$65,575,005	$28,001,358	112,151	109,774	741	.....	1,636	25,321	1
18,073	37,805	185,667	.....	19,143	4,209	718,507	22,741	1,218,767	477,519	247	50	10	.....	187	.....	2
780	520	17,654	1,360	.....	923	14,917	1,035	55,617	39,665	15	.....	15	.....	.....	40	3
5,240	8,900	15,932	.....	4,550	623	134,566	1,995	195,049	58,488	53	18	.....	.....	35	.....	4
888,652	274,254	13,716,067	128,176	.....	1,086,889	29,176,348	1,141,497	51,766,234	21,448,389	102,918	102,343	450	.....	125	23,867	5
27,638	10,438	190,128	.....	12,719	3,478	210,104	19,041	522,256	293,111	591	225	50	.....	316	.....	6
3,550	1,116	49,189	.....	1,731	950	132,181	2,467	211,676	77,028	375	310	.....	.....	65	.....	7
.....	1,400	27,238	2,919	220	635	10,863	1,986	59,369	46,520	55	30	16	.....	9	.....	8
2,100	1,978	15,837	.....	756	775	41,331	1,008	86,285	43,946	44	30	.....	.....	14	.....	9
68,130	26,251	193,817	200	16,408	5,475	142,514	9,660	536,788	384,614	511	50	96	.....	365	.....	10
.....	2,450	21,290	.....	604	483	252,481	3,258	311,418	55,679	76	15	.....	.....	61	.....	11
.....	520	4,201	.....	282	1,788	7,819	72	18,086	10,195	.....	.....	.....	.....	.....	.....	12
232,787	280,759	2,121,136	20,590	11,138	189,204	5,192,495	334,761	10,593,460	5,066,204	7,266	6,703	104	.....	459	1,414	13

Glass	1	Liquors, malt	2	Paper goods, not elsewhere specified	1	Soap	1
Glass, cutting, staining, and ornamenting	2	Looking-glass and picture frames	1	Patent medicines and compounds	1	Stationery goods, not elsewhere specified	1
Grease and tallow, soap stock	1	Mattresses and spring beds	2	Plated ware, hollow ware	1	Steam fittings and steam and hot-water heating apparatus	1
Hosiery and knit goods	1	Oil, not elsewhere specified	4	Saddlery and harness	1	Tools, not elsewhere specified	1
Ice, manufactured	1	Paints	2	Screws, wood	1	Toys and games	1
Leather goods, not elsewhere specified	1	Paper and wood pulp, paper exclusively	1	Shipbuilding, wooden, small boats	2		
				Silk goods, finished products	1		

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

[4] Same number reported throughout the year.

TABLE 45.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	**SOMERVILLE**—All industries	144	6,108	111	136	339	93	5,429	Ja 5,732	Au 5,230	5,559	5,305	224	28	2	$20,896,406
2	Artificial stone products	4	57	1	7	5	.....	44	Je 58	De[3] 27	43	43	.....	.....	.....	42,844
3	Bread and other bakery products	31	222	38	4	2	6	172	Jy 177	Ja 165	169	148	21	.....	.....	198,305
4	Carriages and wagons	4	52	5	.....	1	1	45	Je[3] 52	Ja 36	44	44	.....	.....	.....	75,004
5	Confectionery and ice cream	8	92	6	5	3	1	77	.....	.....	62	39	22	.....	1	85,074
6	Confectionery	4	34	3	.....	1	.....	30	De[3] 31	Oc 27	31	8	22	.....	1	7,456
7	Ice cream	4	58	3	5	2	1	47	Jy 74	Ja 30	31	31	.....	.....	.....	77,618
8	Foundry and machine-shop products	5	70	5	6	4	2	53	Ap 56	De 50	53	50	1	2	.....	124,505
9	Lumber, planing-mill products, not including planing mills connected with sawmills.	5	76	2	10	3	2	59	De 81	My 42	81	80	.....	1	.....	148,356
10	Printing and publishing	17	79	18	4	8	5	44	De[3] 49	Jy 38	49	40	8	1	.....	53,007
11	Slaughtering and meat packing	6	2,563	1	18	217	18	2,309	Ja 2,636	My 2,116	2,455	2,436	18	1	.....	14,867,128
12	All other industries*	64	2,897	35	82	96	58	2,626	.....	.....	2,603	2,425	154	23	1	5,302,183

*All other industries embrace—
Automobile repairing 2
Bluing 1
Boxes and cartons, paper 2
Brass and bronze products 2
Brushes 1
Cars and general shop construction and repairs by steam-railroad companies 2
Chocolate and cocoa products 1
Cleansing and polishing preparations 1
Clothing, women's 2
Coffins, burial cases, and undertakers' goods 1
Cooperage, hogsheads and barrels 1
Copper, tin, and sheet-iron work 1
Cordials and flavoring sirups 1
Dyeing and finishing textiles 2
Electrical machinery, apparatus, and supplies 1
Fancy articles, not elsewhere specified 2
Food preparations for animals and fowls 1
Furniture 3

1	**SPRINGFIELD**—All industries	395	17,042	335	514	1,295	658	14,240	Fe 15,898	Se 13,202	14,784	11,395	3,256	81	52	$45,752,557
2	Automobile bodies and parts	6	201	3	9	9	7	173	Je 213	Fe 133	205	196	8	1	.....	374,577
3	Automobile repairing	11	54	8	5	.....	2	39	De 47	Je 34	47	47	.....	.....	.....	73,745
4	Bookbinding and blank-book making	4	72	4	2	.....	2	64	Jy 76	Ja 58	63	24	37	1	1	20,896
5	Boxes and cartons, paper	3	36	3	2	.....	.....	31	No 38	Au[3] 24	37	9	25	1	2	19,229
6	Brass and bronze products	6	202	3	12	8	3	176	Ja 225	Au 126	190	171	18	.....	1	340,587
7	Bread and other bakery products	46	402	44	9	46	17	286	Ap 305	De 263	287	235	52	.....	.....	704,537
8	Carriages and wagons	7	48	8	1	.....	1	38	Ap 50	No 28	39	38	.....	1	.....	136,524
9	Confectionery and ice cream	10	449	11	15	59	18	346	.....	.....	363	172	187	.....	4	849,002
10	Confectionery	6	413	7	14	57	14	321	Se 361	Jy 261	336	151	181	.....	4	785,154
11	Ice cream	4	36	4	1	2	4	25	Au 34	Ap 20	27	21	6	.....	.....	63,848
12	Copper, tin, and sheet-iron work	9	75	12	1	2	3	57	Oc 69	Mh 44	62	62	.....	.....	.....	56,543
13	Electrical machinery, apparatus, and supplies.	7	692	1	18	100	28	545	Je 626	De 484	562	505	57	.....	.....	1,977,443
14	Engraving and diesinking	3	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,703
15	Fancy articles, not elsewhere specified	4	84	4	3	1	2	74	No 116	Ja 30	81	15	66	.....	.....	74,001
16	Flavoring extracts	6	63	6	3	18	4	32	Je[3] 35	De[3] 28	35	10	24	.....	1	151,767
17	Food preparations, not elsewhere specified.	4	11	7	.....	.....	.....	4	Se 8	De[3] 2	8	8	.....	.....	.....	7,345
18	Foundry and machine-shop products	30	1,383	18	51	114	36	1,164	.....	.....	1,181	1,159	11	11	.....	4,450,871
19	Foundries	3	135	1	4	1	2	127	Ap 148	De 91	130	127	.....	3	.....	187,892
20	Machine shops	27	1,248	17	47	113	34	1,037	Ja 1,195	No 969	1,051	1,032	11	8	.....	4,262,979
21	Hand stamps	3	48	4	3	2	3	36	Ja 47	Se 30	32	21	11	.....	.....	50,833
22	Lumber, planing-mill products, not including planing mills connected with sawmills.	5	95	4	7	5	.....	79	Ap 87	Je 68	82	82	.....	.....	.....	212,651
23	Marble and stone work	3	11	3	.....	1	.....	7	Au 14	Ja 1	14	14	.....	.....	.....	5,800
24	Mattresses and spring beds	6	81	3	6	3	3	66	Ap[3] 79	No 52	66	58	6	1	1	184,460
25	Mineral and soda waters	8	29	8	2	.....	1	18	Jy 26	Mh[3] 13	16	16	.....	.....	.....	46,868
26	Models and patterns, not including paper patterns.	5	37	7	.....	1	1	28	My 30	Se 25	27	27	.....	.....	.....	16,428
27	Paper goods, not elsewhere specified	6	449	7	9	23	15	395	Oc 416	Jy 383	403	192	211	.....	.....	917,565
28	Patent medicines and compounds	7	29	3	4	9	4	9	Oc 11	De[3] 8	9	3	6	.....	.....	255,211
29	Photo-engraving	4	58	1	5	5	1	46	My 50	No[3] 43	44	44	.....	.....	.....	29,129
30	Plumbers' supplies, not elsewhere specified.	4	150	3	5	3	8	131	Jy 156	De 107	137	128	6	3	.....	267,934
31	Printing and publishing, book and job	36	551	40	29	43	32	407	My[3] 438	Se 387	417	295	120	2	.....	1,068,817
32	Printing and publishing, newspapers and periodicals.	15	896	2	44	213	169	468	.....	.....	440	399	37	4	.....	2,250,681
33	Printing, publishing, and job printing.	8	850	.....	38	180	164	468	Mh 503	Au 414	440	399	37	4	.....	2,114,622
34	Publishing without printing	7	46	2	6	33	5	.....	.....	.....	.....	.....	.....	.....	.....	136,059
35	Tobacco, cigars	26	529	32	5	3	2	487	Je 532	Mh 462	492	308	183	1	.....	346,943
36	Tools, not elsewhere specified	5	379	8	14	7	11	339	Ja 364	Jy 310	332	331	.....	1	.....	715,522
37	All other industries*	106	9,924	74	250	620	285	8,695	.....	.....	9,113	6,826	2,191	54	42	30,143,895

*All other industries embrace—
Artificial limbs 1
Automobiles 1
Awnings, tents, and sails 2
Belting, leather 1
Bluing 1
Boxes, wooden packing 1
Brick 1
Brushes 1
Buttons 3
Card cutting and designing 1
Cardboard, not made in paper mills 1
Carpets and rugs, other than rag 1
Carpets, rag 2
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 1
Cars, electric-railroad, not including operations of railroad companies 1
Cash registers and parts 1
Chemicals 1
Cleansing and polishing preparations 2
Clothing, men's 1
Clothing, women's 3
Corsets 2
Cotton goods 2
Cotton small wares 1
Electroplating 2
Emery and other abrasive wheels 1
Enameling 1
Engraving, steel and copper plate, including plate printing 1
Envelopes 2
Firearms 1
Flour-mill and gristmill products 1
Furniture, store and office fixtures 1
Gas and electric fixtures 1
Gas, illuminating and heating 2
Glass, cutting, staining, and ornamenting 1
Gold, leaf and foil 2
Hardware 1
Hats and caps, other than felt, straw and wool 2
Hosiery and knit goods 1

[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.																
$316,097	$444,901	$3,339,681	$48,201	$57,117	$236,952	$36,124,017	$372,522	$43,971,291	$7,474,752	9,707	4,964	213	.....	4,530	431	1
6,954	5,735	37,767	475	2,248	299	17,245	1,857	82,181	63,079	105	20	.....	.....	85	.....	2
10,830	7,764	119,940	1,000	9,963	1,816	373,392	11,675	667,874	282,807	128	17	.....	.....	111	.....	3
.....	1,074	31,185	1,093	840	717	19,859	1,450	71,845	50,536	43	.....	.....	.....	43	.....	4
5,670	3,360	46,620	.....	3,485	1,186	178,441	2,861	311,197	129,895	69	.....	15	.....	54	.....	5
.....	1,300	11,635	.....	1,260	25	50,631	709	78,249	26,909	4	.....	.....	.....	4	.....	6
5,670	2,060	34,985	.....	2,225	1,161	127,810	2,152	232,948	102,986	65	.....	15	.....	50	.....	7
8,287	2,755	35,402	.....	1,054	664	68,135	4,627	158,956	86,194	42	.....	28	.....	14	.....	8
13,882	4,174	45,568	.....	862	1,669	80,668	2,532	167,579	84,379	250	180	.....	.....	70	.....	9
3,170	11,292	29,792	3,845	3,067	685	20,251	1,762	113,635	91,622	37	.....	5	.....	32	.....	10
75,689	247,374	1,420,038	41,311	9,629	118,141	32,255,407	168,307	36,335,195	3,911,481	4,198	2,525	30	.....	1,643	26	11
191,615	161,373	1,573,369	477	25,969	111,775	3,110,619	177,451	6,062,829	2,774,759	4,835	2,222	135	.....	2,478	405	12

Glass 1
Glass, cutting, staining, and ornamenting 1
Grease and tallow, not including lubricating greases 3
Hardware 3
House-furnishing goods, not elsewhere specified 3
Jewelry 2
Liquors, distilled, rum 1
Looking-glass and picture frames 1
Marble and stone work 1
Mineral and soda waters 1
Mirrors, framed and unframed 1
Paper goods, not elsewhere specified 1
Patent medicines and compounds 1
Pickles and preserves 1
Springs, steel, machinery and other 1
Stationery goods, not elsewhere specified 1
Theatrical scenery 1
Tobacco, cigars 1
Tools, not elsewhere specified 3
Trunks and valises 2
Vinegar 1
Window and door screens 2
Wood, turned and carved 2
Wooden goods, not elsewhere specified 2

$1,411,433	$1,798,957	$9,350,465	$293,081	$331,944	$840,015	$21,218,281	$696,905	$44,428,854	$22,513,668	24,418	11,580	1,452	2,973	8,413	5,138	1
19,751	10,028	146,994	.....	8,100	1,545	144,787	4,135	385,052	236,130	107	70	20	.....	17	.....	2
5,625	1,300	34,203	.....	7,768	750	25,151	1,372	115,275	88,752	35	.....	.....	.....	35	.....	3
2,185	808	26,723	.....	2,656	86	16,287	131	62,089	45,671	11	.....	2	.....	9	.....	4
1,540	.....	10,933	.....	1,730	152	8,902	295	24,679	15,482	10	.....	.....	.....	10	.....	5
24,147	8,608	117,089	.....	4,620	4,941	268,818	10,319	480,484	201,347	145	30	31	.....	84	.....	6
12,684	62,590	191,165	59	19,253	5,853	730,252	25,868	1,414,101	657,981	356	.....	.....	.....	356	.....	7
595	408	30,741	.....	780	1,574	40,250	1,492	105,124	63,382	42	.....	10	.....	32	.....	8
36,056	68,983	159,605	.....	3,684	12,258	720,953	12,288	1,229,107	495,866	378	240	.....	.....	138	246	9
35,224	66,943	149,565	.....	1,140	12,153	628,564	10,715	1,058,969	419,690	346	240	.....	.....	106	246	10
832	2,040	10,040	.....	2,544	105	92,389	1,573	170,138	76,176	32	.....	.....	.....	32	.....	11
1,300	1,860	45,676	350	5,836	325	48,992	242	131,525	82,291	10	.....	5	.....	5	.....	12
48,779	131,726	532,766	802	26,992	11,468	3,099,139	19,131	4,014,677	896,407	869	125	280	.....	464	220	13
.....	.....	.....	.....	291	.....	655	20	3,225	2,550	.....	.....	.....	.....	.....	.....	14
7,160	1,716	29,365	.....	2,730	207	42,347	815	113,773	70,611	3	.....	.....	.....	3	.....	15
15,500	32,800	13,036	.....	3,600	565	172,333	565	335,360	162,462	4	.....	.....	.....	4	.....	16
.....	.....	4,300	.....	1,109	35	19,325	220	30,625	11,080	5	.....	.....	.....	5	.....	17
140,107	192,442	838,682	2,899	18,817	53,122	778,876	59,302	2,794,104	1,955,926	2,664	605	60	.....	1,999	375	18
14,841	2,160	76,487	.....	2,400	2,597	73,657	7,467	195,489	114,365	123	80	.....	.....	43	50	19
125,266	190,282	762,195	2,899	16,417	50,525	705,219	51,835	2,598,615	1,841,561	2,541	525	60	.....	1,956	325	20
3,550	3,227	20,112	.....	2,639	725	18,675	842	61,619	42,102	10	.....	.....	.....	10	.....	21
13,260	5,668	64,165	.....	720	2,710	228,423	2,321	342,738	111,994	423	350	.....	.....	73	.....	22
.....	216	3,894	.....	575	12	9,142	24	18,400	9,234	4	.....	4	.....	.....	.....	23
11,512	5,352	34,309	.....	700	2,479	100,052	2,343	177,168	74,773	234	150	.....	60	24	15	24
520	498	12,517	.....	2,405	359	26,819	552	66,993	39,622	17	.....	.....	.....	17	.....	25
.....	1,525	26,046	.....	2,042	88	3,007	572	49,878	46,299	31	.....	6	.....	25	.....	26
24,450	40,223	199,808	.....	16,920	9,271	605,486	6,422	1,060,719	448,811	503	375	125	.....	3	75	27
11,900	8,200	6,442	.....	4,188	132	41,137	70	188,405	147,198	4	.....	.....	.....	4	.....	28
10,928	5,516	50,252	.....	2,580	166	7,774	666	90,415	81,975	12	.....	.....	.....	12	.....	29
10,733	7,638	77,814	.....	600	1,883	96,123	6,307	231,872	129,442	67	50	.....	.....	17	.....	30
69,771	78,338	236,924	158,392	24,754	11,110	317,130	7,794	1,219,670	894,746	316	125	.....	.....	191	101	31
155,555	247,867	396,935	47,646	26,125	27,271	476,445	29,174	1,926,931	1,421,312	1,190	875	.....	.....	315	584	32
112,245	233,697	396,935	18,010	23,585	25,816	454,897	29,074	1,694,463	1,210,492	1,189	875	.....	.....	314	584	33
43,310	14,170	.....	29,636	2,540	1,455	21,548	100	232,468	210,820	1	.....	.....	.....	1	.....	34
5,222	3,553	346,320	.....	8,078	71,761	413,162	1,172	920,205	505,871	11	.....	4	.....	7	.....	35
35,718	27,104	227,581	4,278	5,144	5,024	105,201	21,959	784,291	657,131	768	575	35	135	23	342	36
742,885	850,763	5,466,068	78,655	126,508	614,143	12,652,638	480,492	26,050,350	12,917,220	16,189	8,010	870	2,778	4,531	3,180	37

Leather goods, not elsewhere specified 1
Liquors, malt 1
Lithographing 3
Lumber and timber products 1
Millinery and lace goods, trimmed hats and hat frames 1
Motorcycles, bicycles, and parts 2
Mucilage and paste 1
Musical instruments, brass and other metal 1
Musical instruments, organs 1
Needles, pins, and hooks and eyes 1
Paints 1
Perfumery and cosmetics 1
Pocketbooks 1
Regalia and society badges and emblems 1
Saddlery and harness 1
Saws 2
Screws, machine 1
Shipbuilding, wooden, masts, spars, oars, and rigging 1
Show cases 1
Signs and advertising novelties, other than electric 2
Slaughtering and meat packing 2
Soap 2
Sporting and athletic goods 3
Stamped ware 1
Stationery goods, not elsewhere specified 2
Steam fittings and steam and hot-water heating apparatus 2
Stereotyping and electrotyping 2
Structural ironwork, not made in steel works or rolling mills 2
Suspenders, garters, and elastic woven goods 1
Toys and games 1
Type founding 1
Waste 2
Windmills 1
Wirework 2
Wood, turned and carved 1

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

TABLE 45.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	**WORCESTER**—All industries	606	33,916	518	927	2,128	891	29,452	Mh 31,045	De 27,651	30,440	23,153	6,869	175	243	$79,243,087
2	Awnings, tents, and sails	4	19	4	1	1	1	12	Jy 20	Ja 5	11	6	5	.....	.....	9,090
3	Bookbinding and blank-book making	3	65	5	.....	.....	2	58	Ap [3] 62	Oc 51	57	31	24	1	1	64,657
4	Boots and shoes, including cut stock and findings.	12	1,072	14	22	43	26	967	Oc [3] 1,008	Je 921	1,027	528	468	9	22	1,557,080
5	Boxes, wooden packing	4	156	1	7	.....	5	143	Ap 150	De 135	135	121	14	.....	.....	165,255
6	Brass and bronze products	4	22	3	3	.....	.....	16	Jy 18	Oc [3] 15	17	17	.....	.....	.....	53,453
7	Bread and other bakery products	71	539	81	12	34	15	397	Jy 409	Ja 387	398	293	97	6	2	474,587
8	Carriages and wagons	10	95	8	4	.....	5	78	My 97	No [3] 65	68	67	1	.....	.....	165,129
9	Clothing, men's, youths', and boys'.	13	274	20	4	9	1	240	Fe 253	Au 213	233	126	104	.....	3	297,233
10	Clothing, women's	19	932	32	21	25	20	834	.....	.....	833	133	694	.....	6	699,508
11	Suits, skirts, and cloaks	4	92	11	4	2	.....	75	Oc 79	De 67	67	44	23	.....	.....	83,920
12	Shirt waists and dresses, except house dresses.	5	244	8	7	6	9	214	Oc 245	Ja 206	234	27	207	.....	.....	139,189
13	Undergarments and petticoats	6	571	9	9	17	10	526	Mh 564	Au 433	507	56	445	.....	6	467,892
14	All other	4	25	4	1	.....	1	19	Jy 61	Ap [3] 2	25	6	19	.....	.....	8,507
15	Confectionery and ice cream	13	71	20	1	4	.....	46	.....	.....	45	38	7	.....	.....	71,354
16	Confectionery	8	40	10	.....	1	.....	29	De [3] 30	Se [3] 28	30	23	7	.....	.....	31,751
17	Ice cream	5	31	10	1	3	.....	17	Au [3] 21	De [3] 15	15	15	.....	.....	.....	39,603
18	Copper, tin, and sheet-iron work	6	64	7	.....	1	2	54	Se 60	Mh [3] 47	58	58	.....	.....	.....	117,164
19	Corsets	7	1,890	1	21	108	49	1,711	Mh 2,025	De 1,286	1,722	159	1,485	.....	78	2,066,115
20	Cotton goods	4	194	.....	12	5	6	171	De 266	My 128	280	86	193	1	.....	548,107
21	Cutlery and edge tools	4	182	2	7	9	7	157	Mh 186	Au 118	147	109	31	4	3	252,173
22	Druggists' preparations	3	106	2	5	16	5	78	Ap 88	Jy 64	75	34	40	.....	1	155,388
23	Dyeing and finishing textiles	4	279	1	9	3	6	260	No 281	Je 239	251	154	94	1	2	545,697
24	Electrical machinery, apparatus, and supplies.	4	137	1	4	8	6	118	Jy 152	Ja 89	114	71	43	.....	.....	121,240
25	Electroplating	5	40	4	.....	2	1	33	Jy 43	Oc 24	35	34	1	.....	.....	19,914
26	Engraving and diesinking	4	7	4	.....	.....	.....	3	([4]) 3	([4]) 3	3	2	1	.....	.....	2,195
27	Envelopes	6	1,317	.....	21	64	50	1,182	Ap 1,242	Au 1,082	1,197	384	806	1	6	2,507,738
28	Flavoring extracts	3	4	3	.....	.....	.....	1	([4]) 1	([4]) 1	1	.....	1	.....	.....	10,440
29	Food preparations, not elsewhere specified.	3	5	2	.....	.....	.....	3	Ap [3] 5	De [3] 2	2	2	.....	.....	.....	3,861
30	Foundry and machine-shop products.	77	6,347	52	195	395	149	5,556	.....	.....	5,694	5,581	65	47	1	14,829,709
31	Machine and boiler shops	71	5,943	51	175	391	143	5,183	Ja 5,453	Se 4,734	5,209	5,097	65	46	1	14,390,431
32	Foundries	6	404	1	20	4	6	373	De 437	Se 308	485	484	.....	1	.....	439,278
33	Furniture, wood, other than rattan and willow.	3	70	2	2	1	2	63	Oc 70	De [3] 56	57	56	1	.....	.....	54,587
34	Hats and caps, other than felt, straw, and wool.	3	6	3	.....	.....	.....	3	([4]) 3	([4]) 3	3	3	.....	.....	.....	4,470
35	Lasts	3	105	1	5	7	2	90	Ja 115	De 79	79	78	.....	1	.....	140,138
36	Lumber, planing-mill products, not including planing mills connected with sawmills.	9	467	6	26	24	13	398	Oc 434	Ap 365	384	382	2	.....	.....	1,406,692
37	Marble and stone work	7	161	7	3	7	4	140	My 194	Fe 97	154	154	.....	.....	.....	408,900
38	Mattresses and spring beds	3	38	3	1	3	3	28	My 31	Mh [3] 26	27	16	11	.....	.....	36,400
39	Mineral and soda waters	7	57	7	5	6	.....	39	Jy 61	Mh [3] 23	33	33	.....	.....	.....	96,334
40	Models and patterns, not including paper patterns.	4	33	5	3	1	.....	24	Au 36	Mh 16	30	28	.....	2	.....	11,708
41	Musical instruments, piano and organ materials.	4	373	.....	10	8	4	351	Ja 375	Au 331	361	306	55	.....	.....	510,631
42	Patent medicines and compounds	8	16	9	1	4	1	1	([4]) 1	([4]) 1	2	2	.....	.....	.....	15,862
43	Printing and publishing, book and job.	34	275	31	15	23	13	193	Ap [3] 213	Au 171	187	155	14	11	7	280,125
44	Printing and publishing, newspapers and periodicals.	19	589	8	28	140	26	387	.....	.....	390	380	8	2	.....	475,410
45	Printing, publishing, and job printing.	10	577	5	23	137	25	387	Ap 394	Fe 380	390	380	8	2	.....	468,213
46	Publishing without printing	9	12	3	5	3	1	.....	.....	.....	.....	.....	.....	.....	.....	7,197
47	Saddlery and harness	3	18	5	.....	.....	.....	13	([4]) 13	([4]) 13	13	13	.....	.....	.....	13,650
48	Sausage	4	50	3	1	6	1	39	Au [3] 40	My [3] 38	39	38	1	.....	.....	65,736
49	Stamped ware	11	543	5	27	25	22	464	Ja 543	Oc 371	484	424	52	8	.....	903,128
50	Structural ironwork, not made in steel works or rolling mills.	4	246	3	8	29	5	201	No 256	Mh [3] 162	245	245	.....	.....	.....	456,227
51	Tobacco, cigars	18	109	24	2	.....	.....	83	No [3] 92	My 62	90	71	19	.....	.....	52,522
52	Tools, not elsewhere specified	8	209	8	11	6	4	180	Mh 192	Jy 163	176	175	.....	1	.....	540,874
53	Window shades and fixtures	3	19	3	1	.....	.....	15	My 21	Au 10	21	12	9	.....	.....	56,623

[2] Owned power only.

[1] 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.																
$2,604,306	$3,009,224	$17,632,836	$115,989	$500,234	$1,144,803	$43,694,328	$2,099,603	$82,829,356	$37,035,425	71,984	42,533	2,342	490	26,619	9,870	1
2,000	622	4,688	100	1,032	51	10,845	183	20,434	9,406	4	.....	.....	.....	4	.....	2
.....	1,300	29,643	.....	4,442	197	13,627	370	66,438	52,441	36	.....	.....	.....	36	.....	3
90,026	55,427	528,080	4,216	18,710	12,918	1,896,580	12,540	2,773,056	863,936	444	220	5	.....	219	100	4
12,848	3,023	79,152	.....	5,600	2,349	214,400	902	343,001	127,699	575	575	.....	.....	.....	.....	5
2,080	.....	12,907	.....	920	387	34,144	1,806	56,584	20,634	16	.....	.....	.....	16	.....	6
20,105	59,784	231,825	.....	32,974	5,134	889,274	27,833	1,507,615	590,508	330	150	.....	.....	180	.....	7
5,200	2,326	58,193	161	7,840	2,235	51,957	5,135	170,218	113,126	128	.....	15	.....	113	.....	8
5,047	6,950	109,831	178	4,461	2,204	402,152	2,679	668,430	263,599	70	40	.....	.....	30	1	9
47,680	84,201	315,404	6,088	21,836	5,373	917,304	6,887	1,651,553	727,362	224	125	.....	.....	99	5	10
5,300	2,900	46,650	.....	1,440	208	105,280	517	184,600	78,803	8	.....	.....	.....	8	.....	11
10,380	13,372	80,506	.....	4,270	460	157,988	1,780	372,999	213,231	26	.....	.....	.....	26	.....	12
31,160	67,785	181,427	6,088	15,355	4,694	647,746	4,419	1,082,338	430,173	178	125	.....	.....	53	5	13
840	144	6,821	.....	771	11	6,290	171	11,616	5,155	12	.....	.....	.....	12	.....	14
1,250	2,340	32,767	.....	9,070	444	122,283	1,927	238,784	114,574	42	.....	.....	.....	42	.....	15
.....	780	21,277	.....	5,450	151	69,564	1,092	122,174	51,518	17	.....	.....	.....	17	.....	16
1,250	1,560	11,490	.....	3,620	293	52,719	835	116,610	63,056	25	.....	.....	.....	25	.....	17
.....	1,888	32,712	.....	1,005	3,365	75,756	469	143,525	67,300	9	.....	9	.....	.....	.....	18
121,635	214,605	640,537	.....	9,892	32,507	1,384,682	9,073	3,433,507	2,039,752	626	560	.....	.....	66	260	19
30,350	9,490	98,617	923	7,732	5,056	458,108	6,468	705,977	241,401	283	100	.....	.....	183	.....	20
21,850	11,263	94,317	.....	1,320	1,820	48,357	4,043	237,949	185,549	247	200	.....	.....	47	20	21
10,036	18,776	38,394	.....	8,000	965	70,573	375	155,382	84,434	61	.....	.....	.....	61	.....	22
27,500	7,032	126,791	.....	10,000	5,325	435,432	24,715	747,835	287,688	685	675	.....	.....	10	.....	23
11,084	7,966	48,795	.....	5,040	1,656	137,323	970	271,078	132,785	49	.....	25	.....	24	.....	24
.....	690	17,805	.....	2,845	144	11,413	560	45,465	33,492	91	.....	36	.....	55	.....	25
.....	.....	1,650	.....	510	.....	110	.....	7,821	7,711	.....	.....	.....	.....	.....	.....	26
60,716	106,021	520,037	.....	7,420	20,550	1,585,940	17,539	2,863,400	1,259,921	773	600	.....	.....	173	438	27
.....	.....	676	.....	172	79	10,848	33	21,187	10,206	.....	.....	.....	.....	.....	.....	28
.....	.....	1,375	.....	144	83	18,026	173	22,920	4,721	6	.....	.....	.....	6	.....	29
570,539	555,512	3,699,398	240	111,218	179,093	3,668,061	213,594	10,903,965	7,022,310	10,228	4,512	191	.....	5,525	1,112	30
528,057	548,274	3,442,675	240	108,373	173,471	3,457,873	182,313	10,334,054	6,693,868	9,554	4,462	181	.....	4,911	1,112	31
42,482	7,238	256,723	.....	2,845	5,622	210,188	31,281	569,911	328,442	674	50	10	.....	614	.....	32
2,000	2,284	44,507	.....	3,900	477	31,294	723	103,509	71,492	60	50	10	.....	.....	45	33
.....	.....	1,285	.....	420	42	2,315	74	7,310	4,921	1	.....	.....	.....	1	.....	34
21,000	19,105	59,198	.....	9,048	2,564	44,696	3,342	172,333	124,295	231	150	.....	.....	81	.....	35
81,323	30,146	303,275	4,706	13,470	10,647	474,258	9,232	891,332	407,842	1,127	960	55	.....	112	20	36
7,817	10,988	106,404	27,700	642	3,719	52,570	6,701	261,893	202,622	836	750	.....	.....	86	192	37
1,040	3,726	13,047	.....	144	488	61,477	1,010	95,371	32,884	29	.....	.....	.....	29	.....	38
5,800	4,228	30,614	.....	4,556	1,833	61,193	683	141,279	79,403	58	40	.....	.....	18	.....	39
3,322	600	18,972	.....	2,078	96	6,229	360	38,244	31,655	41	.....	3	.....	38	.....	40
28,888	11,833	213,911	.....	19,294	5,090	233,085	12,891	596,421	350,445	688	425	.....	.....	263	.....	41
780	2,160	1,132	.....	540	306	7,867	82	22,530	14,581	1	.....	.....	.....	1	.....	42
28,933	19,287	124,081	2,996	21,843	2,086	171,399	3,951	513,935	338,585	183	.....	.....	.....	183	.....	43
43,896	97,286	264,740	21,213	8,395	3,475	236,057	8,584	924,843	680,202	696	.....	.....	.....	696	.....	44
40,521	94,107	264,740	1,776	8,245	3,475	235,782	8,584	893,464	649,098	696	.....	.....	.....	696	.....	45
3,375	3,179	.....	19,437	150	.....	275	.....	31,379	31,104	.....	.....	.....	.....	.....	.....	46
.....	.....	10,088	.....	1,860	78	19,679	142	42,220	22,399	.....	.....	.....	.....	.....	.....	47
3,600	5,534	28,723	.....	1,874	620	223,207	2,559	277,400	51,634	77	62	.....	.....	15	.....	48
109,648	57,198	284,854	4,922	12,082	10,092	379,705	16,404	1,047,489	651,380	1,308	325	110	.....	873	300	49
14,835	43,787	143,334	.....	1,300	2,322	368,169	6,592	664,880	290,119	248	35	43	.....	170	.....	50
2,500	.....	50,604	.....	3,893	14,794	71,918	434	162,754	90,402	5	.....	.....	.....	5	.....	51
35,256	9,636	182,062	.....	3,679	11,576	128,454	17,297	418,634	272,883	853	150	2	125	576	.....	52
1,000	.....	7,992	258	1,956	229	16,322	825	39,980	22,833	27	.....	3	.....	24	.....	53

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

[4] Same number reported throughout the year.

TABLE 45.—DETAIL STATEMENT FOR THE STATE AND FOR CITIES OF 50,000 INHABITANTS OR MORE,

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.	Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male	Under 16. Female	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	WORCESTER—Continued.															
1	Wire	4	2,520	.....	83	155	48	2,234	Ja 2,457	De 2,027	2,294	2,219	75	.....	.....	$7,400,403
2	Wirework, including woven-wire fencing.	9	1,198	2	23	55	52	1,066	Mh 1,157	Au 1,000	1,078	807	263	6	2	2,733,615
3	Wood, turned and carved	4	23	5	1	.....	1	16	Ap[3] 22	Oc 11	14	14	.....	.....	.....	5,458
4	Woolen and worsted goods	12	1,631	7	22	10	9	1,583	Jy 1,663	De 1,448	1,653	772	833	18	30	2,006,339
5	All other industries *	139	11,343	104	300	891	325	9,723	.....	.....	10,223	8,736	1,352	56	79	36,830,168

*All other industries embrace—

Agricultural implements	1
Aluminum ware	1
Artificial limbs	1
Artificial stone products	1
Automobiles	1
Automobile repairing	2
Bags, other than paper	2
Belting, leather	3
Billiard tables and materials	1
Blacking, stains, and dressings	1
Boxes, cigar	1
Boxes and cartons, paper	2
Brooms, from broom corn	1
Brushes	2
Butter	1
Carpets and rugs, other than rag	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	1
Cars, steam-railroad, not including operations of railroad companies	1
Chemicals	1
Cleansing and polishing preparations	2
Coffee, roasting and grinding	2
Coffins, burial cases, and undertakers' goods	1
Combs and hairpins, not made from metal or rubber	1
Cordage and twine	1
Cotton small wares	1
Emery and other abrasive wheels	3
Engines, steam, gas, and water	1
Engraving, steel and copper plate, including plate printing	2
Fancy articles, paper novelties	2
Files	1
Firearms	1
Flour-mill and gristmill products	1
Furnishing goods, men's	3
Gas and electric fixtures	1
Gas, illuminating and heating	1
Gas machines and gas and water meters	1
Glass, cutting, staining, and ornamenting	2
Hand stamps	1
Hardware	2
Hosiery and knit goods	3
House-furnishing goods	2
Iron and steel, steel works and rolling mills	1
Iron and steel, bolts, nuts, washers, and rivets	1

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

1	ADAMS	35	4,047	30	46	27	14	3,930	Au 4,043	Mh 3,863	3,945	2,231	1,586	75	53	$7,119,310
2	AMESBURY	59	1,628	54	55	27	41	1,451	Oc 1,614	De 1,242	1,461	1,273	173	11	4	2,604,051
3	ARLINGTON	19	303	16	19	14	8	246	No 261	Ja 234	249	236	10	3	.....	1,056,411
4	ATTLEBORO	151	6,950	172	209	281	230	6,058	Ja 6,752	De 5,566	6,108	4,470	1,555	61	22	15,655,504
5	BEVERLY	67	5,146	69	133	149	154	4,641	Mh 4,953	De 4,219	4,796	4,034	741	14	7	10,532,789
6	BROOKLINE	21	429	25	13	26	30	335	Mh 375	No 297	338	299	38	.....	1	1,122,761
7	CHELSEA	123	7,291	108	213	476	253	6,241	Mh 6,713	De 5,597	6,363	4,531	1,775	28	29	12,418,891
8	CHICOPEE	62	9,119	46	111	428	108	8,426	Fe 9,526	Oc 7,098	8,547	6,456	1,944	72	75	23,500,779
9	CLINTON	36	4,268	25	36	99	44	4,064	Fe 4,227	No 3,866	4,113	2,328	1,660	58	67	8,575,076
10	DEDHAM	15	289	12	12	4	5	256	Mh 314	No 199	260	196	59	3	2	615,386
11	EVERETT	85	3,788	60	122	272	108	3,226	My 3,437	De 3,000	3,231	2,721	464	22	24	26,408,547
12	FITCHBURG	137	9,570	106	204	259	164	8,837	Ap 9,135	Au 8,609	8,868	6,109	2,479	156	124	24,880,663
13	FRAMINGHAM	49	5,150	30	297	591	250	3,982	Mh 4,542	No 3,584	4,019	2,483	1,491	15	30	9,284,889
14	GARDNER	64	4,245	49	103	66	63	3,964	Mh 4,308	Au 3,726	4,049	3,513	492	36	8	13,533,921
15	GLOUCESTER	87	3,274	84	97	185	94	2,814	Je 2,915	Ja 2,712	2,847	2,106	669	41	31	7,110,303
16	GREENFIELD	50	1,921	41	69	117	92	1,602	Ja 1,804	De 1,450	1,620	1,452	136	30	2	4,465,297
17	HAVERHILL	398	14,846	451	336	358	420	13,281	Mh 14,308	Au 12,441	13,476	8,939	4,389	88	60	18,415,156
18	LEOMINSTER	89	5,344	61	168	97	89	4,929	Oc 5,482	Je 4,279	5,052	3,729	1,232	47	44	6,610,197
19	MALDEN	92	3,250	75	72	151	102	2,850	De 3,039	Au 2,577	3,112	1,771	1,279	32	30	11,346,838
20	MARLBOROUGH	43	4,105	35	52	70	126	3,822	Jy 4,090	Oc 3,233	3,914	2,687	1,118	52	57	3,155,909
21	MEDFORD	54	697	43	35	29	31	559	Ap 607	Au 500	569	489	78	2	.....	2,368,772
22	MELROSE	26	1,056	20	18	35	21	962	De 1,050	Ja 922	1,113	516	567	16	14	3,472,706
23	METHUEN	25	2,017	22	14	27	14	1,940	Fe 2,071	No 1,848	1,971	798	1,134	21	18	5,196,660
24	MILFORD	59	1,935	60	45	42	39	1,749	Mh 1,973	Jy 1,570	1,834	1,336	480	12	6	2,287,050
25	NATICK	38	1,463	40	20	28	28	1,347	Au 1,403	Ja 1,215	1,382	1,069	308	1	4	2,656,461
26	NEWBURYPORT	54	3,721	48	113	125	86	3,349	Fe 3,740	Au 3,071	3,426	2,184	1,198	21	23	5,973,452
27	NEWTON	58	2,431	56	51	115	55	2,154	Oc 2,216	Ap 2,061	2,184	1,493	678	7	6	5,581,468
28	NORTH ADAMS	70	5,760	65	74	251	82	5,288	Je 5,457	De 5,100	5,323	3,532	1,631	102	58	13,089,348
29	NORTH ATTLEBOROUGH	74	2,760	93	101	179	137	2,250	Ja 2,434	Au 2,095	2,301	1,595	664	25	17	5,705,592
30	NORTHAMPTON	75	3,801	70	77	118	90	3,446	My 3,611	Au 3,100	3,521	2,273	1,116	60	72	11,060,040
31	PEABODY	77	5,916	57	99	194	81	5,485	Ja 6,053	Au 4,851	5,717	5,343	371	1	2	21,280,990
32	PITTSFIELD	84	8,935	68	189	801	387	7,490	Ap 8,057	De 6,798	7,899	5,753	2,081	34	31	22,069,988
33	PLYMOUTH	37	3,071	25	69	75	57	2,845	Je 3,150	Fe 2,638	2,880	1,896	681	59	244	11,771,353
34	QUINCY	177	6,463	223	107	263	87	5,783	Je 6,496	Oc 4,961	5,840	5,406	413	21	.....	11,376,792
35	REVERE	27	118	26	3	4	5	80	Fe 101	My 54	112	100	12	.....	.....	445,424
36	SALEM	178	5,847	174	140	100	139	5,294	Mh 6,827	Jy 3,689	6,447	4,368	1,982	60	37	9,823,520
37	SOUTHBRIDGE	35	4,732	39	68	177	116	4,332	Je 4,625	De 2,877	4,475	2,826	1,468	78	103	7,649,324
38	TAUNTON	115	8,019	108	164	254	122	7,371	Ap 7,821	Au 7,086	7,441	5,493	1,840	60	48	17,693,312
39	WAKEFIELD	22	2,121	12	37	34	30	2,008	Ap 2,591	Se 1,509	2,260	1,397	841	13	9	4,204,979
40	WALTHAM	88	6,987	73	83	201	165	6,465	Ja 7,050	De 5,938	6,806	4,532	2,251	15	8	22,292,213
41	WATERTOWN	30	5,436	13	55	387	194	4,787	No 5,142	Ja 4,544	4,818	3,154	1,653	3	8	10,942,555
42	WEBSTER	23	3,410	17	42	50	55	3,246	Fe 3,387	No 3,123	3,255	2,102	975	92	86	6,766,343
43	WESTFIELD	100	4,150	80	96	282	108	3,584	My 3,854	De 3,359	3,674	3,102	530	31	11	8,305,895
44	WEST SPRINGFIELD	29	2,446	28	30	157	22	2,209	My 2,358	No 1,960	2,298	1,952	345	.....	1	6,154,427
45	WEYMOUTH	40	2,442	39	56	198	75	2,074	Mh 2,344	No 1,809	2,119	1,538	563	10	8	7,601,946
46	WINCHESTER	19	1,140	16	28	37	11	1,048	Fe 1,163	My 972	1,063	966	97	.....	.....	2,527,427
47	WINTHROP	10	28	9	3	.....	.....	16	Au[3] 18	Fe[3] 13	16	12	4	.....	.....	110,488
48	WOBURN	57	1,754	44	48	71	26	1,565	De 1,759	Au 1,388	1,802	1,684	113	4	1	9,772,036

[1] Owned power only.

[2] Includes rented power, other than electric.

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.																
$170,612	$210,496	$1,564,980	$7,769	.....	$55,603	$3,355,769	$304,152	$6,394,982	$2,735,061	11,269	6,135	20	175	4,939	1,986	1
91,890	102,679	554,339	5,693	$11,244	26,974	1,211,476	25,397	2,603,834	1,366,961	1,280	485	5	.....	790	7	2
1,040	260	6,371	206	1,725	18	5,792	655	18,125	11,678	60	25	.....	.....	35	.....	3
68,086	19,401	691,805	14,600	28,432	14,470	2,196,266	95,703	3,585,143	1,293,174	3,529	2,104	560	.....	865	20	4
841,094	1,209,374	6,202,924	14,020	75,676	695,269	21,877,936	1,243,536	36,748,791	13,627,319	34,450	23,080	1,250	190	9,930	5,364	5

Iron and steel forgings 4
Iron and steel, nails and spikes, cut and wrought, including wire nails 1
Jewelry 2
Leather goods, not elsewhere specified 2
Liquors, malt 2
Lithographing 1
Looking-glass and picture frames 2
Matches 1
Motorcycles, bicycles, and parts 1
Musical instruments and materials, not specified 2
Oil, not elsewhere specified 1
Optical goods 1
Paper goods, not elsewhere specified 1
Photographic materials 3
Photo-engraving 1
Pickles and sauces 1
Plumbers' supplies, not elsewhere specified 2
Refrigerators 2
Regalia and society badges and emblems 1
Roofing materials, metal shingles and ceilings 1
Rubber goods, not elsewhere specified 2
Sand-lime brick 1
Saws 1
Screws, machine 4
Screws, wood 1
Shipbuilding, wooden, including boat building 1
Shirts 1
Show cases 1
Signs, other than electric 1
Slaughtering and meat packing 5
Soap 1
Sporting and athletic goods 1
Stationery goods, not elsewhere specified 3
Statuary and art goods 1
Stencils and brands 2
Stereoptyping and electrotyping 2
Surgical appliances 1
Suspenders, garters, and elastic woven goods 3
Tobacco, chewing and smoking 2
Trunks and valises 2
Upholstering materials, not elsewhere specified 1
Vinegar and cider 1
Wall paper 1
Window and door screens 2
Wooden goods, not elsewhere specified 1

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

$156,451	$39,294	$1,793,485	$138	$3,266	$116,665	$3,600,893	$196,326	$6,530,232	$2,733,013	12,673	9,644	.....	1,775	1,254	426	1
110,584	55,089	1,009,000	13,741	23,180	26,677	1,738,215	66,662	3,551,434	1,746,557	1,641	967	40	.....	634	808	2
27,602	21,856	185,076	1,265	6,733	8,489	245,208	31,642	641,092	364,242	542	370	8	85	79	.....	3
465,463	593,702	3,518,140	28,716	167,395	121,779	7,167,259	211,988	13,946,884	6,567,637	7,486	3,274	859	612	2,741	963	4
241,289	277,810	3,355,643	2,918	57,380	43,650	3,046,921	119,001	8,774,187	5,608,265	4,659	4,107	244	.....	308	2,959	5
33,498	47,417	238,908	4,417	17,135	8,543	208,954	8,921	658,502	440,627	323	215	4	.....	104	180	6
502,596	700,327	3,853,613	120,340	55,598	126,807	9,168,680	245,918	16,971,028	7,556,430	7,031	5,345	620	.....	1,066	2,724	7
394,213	516,070	5,130,634	27,985	10,891	303,590	16,706,881	411,022	28,869,152	11,751,249	22,907	12,490	54	6,390	3,973	8,607	8
124,205	129,459	1,883,990	6,364	9,286	109,653	3,402,241	208,111	6,735,297	3,124,945	9,931	7,548	43	45	2,295	5,511	9
26,046	8,346	120,326	275	2,032	8,649	189,247	21,294	427,690	217,149	1,090	637	11	415	27	175	10
365,483	343,530	2,046,650	15,671	39,501	384,158	4,575,141	1,935,612	13,219,200	6,708,447	10,908	9,340	176	300	1,092	2,762	11
580,104	357,049	4,814,583	64,049	253,389	261,119	14,263,554	833,163	23,983,352	8,886,635	38,371	22,045	85	3,844	12,397	1,791	12
278,771	338,468	2,256,880	18,096	55,607	82,441	4,313,319	133,763	8,726,574	4,279,492	6,058	4,483	50	500	1,025	2,013	13
234,747	128,464	2,084,024	214	15,826	71,011	2,958,719	120,731	7,449,987	4,370,537	5,046	3,567	40	484	955	2,090	14
238,004	226,137	1,337,341	23,282	30,873	70,545	5,475,505	114,299	8,533,964	2,944,160	2,682	2,050	85	.....	547	320	15
161,581	243,714	876,790	5,340	19,066	79,250	1,340,606	81,819	3,527,101	2,104,676	2,544	291	25	230	1,998	80	16
563,765	633,447	8,614,484	574,299	350,469	115,453	26,108,963	403,224	42,409,246	15,897,059	10,839	5,575	1,888	25	3,351	465	17
285,277	149,818	2,574,281	29,195	26,763	62,811	5,227,753	182,155	10,838,024	5,428,116	6,408	3,886	234	936	1,352	868	18
186,711	232,288	1,477,471	9,915	26,933	111,708	2,969,071	279,622	8,366,344	5,117,651	3,547	2,337	19	.....	691	1,135	19
92,284	141,565	2,119,443	.....	16,245	24,818	6,427,204	40,682	9,983,632	3,515,746	2,332	1,460	.....	.....	872	22	20
84,385	51,567	355,268	5,659	34,869	15,637	1,793,028	62,308	2,618,893	763,557	1,495	982	25	.....	488	53	21
52,855	55,322	484,407	461	5,512	20,095	1,309,609	24,512	2,499,029	1,164,908	1,582	1,412	5	.....	165	70	22
67,071	44,286	854,876	5,309	6,783	46,038	2,800,153	150,665	4,461,111	1,510,293	6,247	3,960	16	830	1,441	3,856	23
116,416	72,355	991,698	2,393	14,042	24,150	2,247,342	50,837	4,028,492	1,730,313	2,137	1,805	108	75	149	46	24
37,452	44,309	744,906	.....	6,370	9,241	3,299,301	18,227	4,566,253	1,248,725	1,017	539	83	250	145	198	25
228,839	258,536	1,655,808	1,040	20,000	101,049	4,654,416	102,619	8,245,998	3,488,963	4,412	3,894	125	.....	393	1,105	26
158,889	234,525	1,184,576	13,559	14,846	50,770	3,061,809	79,984	5,822,853	2,681,000	5,576	4,794	38	453	291	2,161	27
318,525	355,223	2,775,428	7,506	17,345	119,626	5,337,503	359,624	10,922,575	5,225,448	12,946	8,675	5	2,651	1,615	1,205	28
232,121	324,586	1,383,259	27,638	69,546	49,935	1,862,213	51,941	4,867,725	2,953,571	1,866	819	481	185	381	88	29
259,452	169,833	1,960,419	268,891	11,815	123,594	3,719,937	168,383	8,580,730	4,692,410	7,531	3,360	751	1,717	1,703	1,348	30
268,784	255,007	3,072,100	259,736	23,232	121,614	11,845,287	398,199	18,441,906	6,198,420	15,764	13,776	124	.....	1,864	4,055	31
698,303	1,235,314	4,682,517	4,969	32,408	199,224	8,699,521	429,815	22,241,237	13,111,901	15,989	13,012	384	1,252	1,341	31,612	32
191,961	126,794	1,481,226	7,033	6,055	100,118	9,990,410	132,733	13,904,545	3,781,402	9,229	6,322	1,222	445	1,240	605	33
302,715	334,682	4,584,382	154,762	17,286	86,267	4,827,102	260,677	12,097,452	7,009,673	10,153	8,066	700	.....	1,387	6,214	34
8,973	3,772	68,633	2,700	5,546	6,221	191,648	28,019	349,696	130,029	675	505	2	100	68	5	35
273,516	180,256	2,802,913	135,722	116,632	114,911	7,936,035	209,182	13,652,586	5,507,369	11,802	7,435	519	.....	3,848	137	36
258,710	230,883	2,271,618	2,485	2,916	64,316	3,148,431	139,452	7,366,430	4,078,547	8,995	5,175	130	3,192	498	2,601	37
424,884	432,658	4,134,824	4,298	33,967	187,038	7,680,657	425,567	15,885,812	7,779,588	20,997	16,782	321	1,340	2,554	1,980	38
101,833	54,337	1,195,573	22,606	8,852	47,457	3,075,514	68,300	6,057,659	2,913,845	1,831	1,530	215	.....	86	910	39
290,778	367,265	4,004,598	14,088	23,973	180,232	3,624,280	191,155	10,236,912	6,421,477	7,926	6,145	23	410	1,348	5,075	40
239,961	532,783	2,855,286	25,414	8,774	118,469	6,489,062	204,555	14,764,326	8,070,709	4,377	2,984	30	80	1,283	640	41
149,082	69,642	1,471,329	.....	4,501	56,950	6,756,808	226,468	9,233,919	2,250,643	6,130	4,513	.....	543	1,074	1,398	42
274,821	464,573	2,127,269	1,895	51,432	99,723	3,299,656	134,399	8,420,439	4,986,384	4,046	2,966	45	357	678	1,440	43
127,777	199,367	1,530,674	136	8,721	69,913	2,237,622	172,702	5,039,953	2,629,629	12,131	8,283	27	3,305	516	6,627	44
132,323	227,431	1,196,197	4,125	4,977	33,909	5,006,789	51,558	8,251,041	3,192,694	2,649	1,843	46	179	581	1,050	45
79,957	56,936	643,440	80,675	5,407	15,106	3,525,943	76,059	5,159,479	1,557,4.7	1,644	1,390	11	.....	243	3,646	46
4,660	.....	11,256	3,100	876	1,301	30,548	7,586	77,994	39,860	197	156	34	.....	7	.....	47
133,514	97,052	914,653	12,027	15,884	48,667	3,185,964	165,416	5,517,806	2,166,426	3,880	2,979	28	15	858	148	48

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