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FOURTEENTH CENSUS OF THE UNITED STATES
MANUFACTURES: 1919

PENNSYLVANIA

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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 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 for which 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 1919, 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, county, or state, separate reports were secured in order that the figures for each plant might be included in the statistics for the city, county, 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 different from those covered by the class designation, and, on the other hand, may not represent the total product covered by this designation, because some of this class of 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 certain leading industries of the state for more detailed consideration. Sometimes an industry of great importance has to be omitted because it comprises so few establishments that a detailed presentation 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 has been followed in compiling the statistics for 1919 and 1914 when placed in comparison with those for 1909 and prior years. The comparative summary for 1919, 1914, and 1909, therefore, does not show separately all the industries given for 1919 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 1919 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, by sex, without distinction of 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 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 not believed 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 order to determine as nearly as possible the age distribution of the average number of wage earners for a given state as a whole, the per cent distribution by 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 numbers 16 years and over, and under 16, 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 while representing the number according to the pay rolls to whom wages were paid on that date, no doubt represent a larger number than would be required to perform the work in any industry if all were continuously employed during the year.

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, 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 censuses of 1914 and 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 certain Federal taxes and state, county, and local taxes. Under "Federal taxes" there are included the internal revenue tax on manufactures (tobacco, beverages, etc.), excise taxes when included in values reported for products, corporation capital stock tax, and corporation income tax, but not the income tax for individuals and partners.

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 always 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, from a manufacturing standpoint, 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 depreciation or interest, 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.

Fuel.—Statistics of the quantity of fuel used are shown only for anthracite and bituminous coal, coke, fuel oils, gasoline and other volatile oils, and gas—natural and manufactured, and represent the quantity used during the year. As only the principal kinds of fuel are shown, comparison as to the total cost of all fuels is impracticable. A comparison, however, of the total quantities of the several kinds of fuel used in 1919 and 1914 is given.

PENNSYLVANIA.

GENERAL STATISTICS.

General character of the state.—Pennsylvania has a gross area of 45,126 square miles, of which 44,832 represent land surface. The inhabitants of the state in 1900 numbered 6,302,115; in 1910, 7,665,111; and in 1920, 8,720,017. In total population Pennsylvania has ranked second among the states at each census since 1830. The number of inhabitants per square mile in 1910 was 171, the corresponding figure for 1920 being 194.5.

In 1920 there were 77 cities in the state having more than 10,000 inhabitants (see Table 6). The combined population of these cities in that year was 4,427,087, which formed 50.8 per cent of the total for Pennsylvania. Of the total value of the state's manufactured products, 63.7 per cent was reported from these 77 cities.

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

Statistics for the state, by counties (Table 2).—Figures are not available for the comparison of county totals for 1919 with those for prior censuses. Of the 67 counties in the state, Allegheny and Philadelphia Counties, which include the cities of Pittsburgh and Philadelphia, respectively, reported 45.7 per cent of the total value of products in the state in 1919 and 40 per cent of the average number of wage earners.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is not always satisfactory as indicating their importance from a manufacturing standpoint. Their ranking would change materially if based upon the average number of wage earners or value added by manufacture. Iron and steel, blast furnaces, for instance, which ranked third among the industries for which statistics are shown in the table, was thirteenth in average number of wage earners and ninth in value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 52.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed more than 3,500 wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—During the census period 1914–1919 all cities presented comparatively show increases in value of products, but for 12 of the 66 cities, for which figures are shown separately, there were decreases in the average number of wage earners. Eleven cities could not be shown separately without disclosing the operations of individual establishments, and the totals for them have been combined as "All other cities." (See footnote to table.)

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

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months for selected industries, similar data are given for males and females for all industries combined for the state and for cities of 10,000 inhabitants or more, and also the number of females for industries in which a large proportion of the wage earners were females. Of the total number of female wage earners in the state in 1919, 71.6 per cent were in the 77 cities, while of the male wage earners 59.3 per cent were reported by the cities. Of the total average number of wage earners shown for the 77 cities, 77.4 per cent were males and 22.6 per cent females. The state as a whole shows 80.5 per cent males and 19.5 per cent females.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Pennsylvania. In that year only 8.8 per cent of the wage earners were reported in the group "48 and under" as against 42.3 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 23.1 per cent of the total wage earners, as compared with 14.2 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the

state, 92.9 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 24.9 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 7.1 per cent of the total number of manufacturing establishments in the state, but reported 75.1 per cent of the total number of wage earners.

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

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

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

Character of ownership (Table 14).—The predominance of corporate ownership is clearly brought out in this table. Although corporations owned but 28.2 per cent of the number of establishments in the state in 1919, they reported 86.4 per cent of the average number of wage earners and 87.7 per cent of the total value of products. During the five-year period 1914 to 1919, the average number of wage earners in corporations increased 260,807, or 36.2 per cent, and the value of products, $4,094,363,689, or 176.5 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in the 77 cities in 1919 represented 59.8 per cent of the total in the state. They reported in that year 61.7 per cent of the average number of wage earners and 63.7 per cent of the total value of products.

Principal industries in cities of 50,000 inhabitants or more, with per cent of total for state (Table 16).—This table presents the principal industries in each of the 13 cities in the state having 50,000 inhabitants or more in 1920, the figures being given for those which can be shown without disclosing the operations of individual establishments.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 904,528 horsepower, or 25.5 per cent. This increase, however, is chiefly due to the gain of 629,690 horsepower, or 175.8 per cent, in rented power. The owned power increased 274,838 horsepower, or 8.6 per cent, during the five-year period.

Fuel consumed (Table 18).—This table shows the quantities of the principal kinds of fuel used by all the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel, and by the cities of 10,000 inhabitants or more. There were increases in each of the several kinds of fuel used in 1919 as compared with 1914. In 1919, of the total anthracite coal consumed, 47.2 per cent was used in the steam-railroad repair shops, the manufacture of cement, iron and steel rolling mills, petroleum refining, and zinc smelters; two industries combined—coke and iron and steel rolling mills—consumed 73.6 per cent of the bituminous coal; 82 per cent of the coke used was consumed in the iron and steel blast furnaces, while iron and steel rolling mills used 39.9 per cent of the fuel oils and 57.8 per cent of the gas.

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

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE.[1]			
	1919	1914	1909	1904	1899	1914–1919	1909–1914	1904–1909	1899–1904
Number of establishments	27,973	27,521	27,563	23,495	23,462	1.6	−0.2	17.3	0.1
Persons engaged	1,323,662	1,060,562	1,002,171	855,392	(2)	24.8	5.8	17.2	.....
Proprietors and firm members	27,433	28,034	29,743	26,029	(2)	−2.1	−5.7	14.3	.....
Salaried employees	160,392	108,050	94,885	66,081	43,935	48.4	13.9	43.6	50.4
Wage earners (average number)	1,135,837	924,478	877,543	763,282	663,960	22.9	5.3	15.0	15.0
Primary horsepower	4,454,386	3,549,858	2,921,547	2,302,398	1,716,694	25.5	21.5	26.9	34.1
Capital	$6,177,729,968	$3,149,411,089	$2,749,005,975	$1,995,836,988	$1,449,814,740	96.2	14.6	37.7	37.7
Salaries and wages	1,740,829,353	672,563,002	566,524,032	441,229,897	343,021,028	158.8	18.7	28.4	28.6
Salaries	334,763,215	144,610,485	110,897,242	73,269,007	46,145,480	131.5	30.4	51.4	58.8
Wages	1,406,066,138	527,952,517	455,626,790	367,960,890	296,875,548	166.3	15.9	23.8	23.9
Paid for contract work	45,761,912	20,604,279	14,582,289	13,344,850	(3)	122.1	41.3	9.3	.....
Rent and taxes	243,891,435	52,456,012	41,552,086	[3] 13,969,474	(2)	364.9	26.2	.....	.....
Cost of materials	4,210,408,628	1,688,920,716	1,582,559,988	1,142,942,707	958,301,272	149.3	6.7	38.5	19.3
Value of products	7,315,702,867	2,832,349,437	2,626,742,034	1,955,551,332	1,649,882,380	158.3	7.8	34.3	18.5
Value added by manufacture [4]	3,105,294,239	1,143,428,721	1,044,182,046	812,608,625	691,581,108	171.6	9.5	28.5	17.5

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

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

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
		Average number.	Wages.					
The state	27,973	1,135,837	$1,406,066,138	$243,801,435	$4,210,408,628	$7,315,702,867	$3,105,294,239	4,454,386
Adams	145	2,040	1,527,788	268,641	5,462,520	8,564,398	3,101,878	5,269
Allegheny	2,655	173,561	256,067,216	43,154,448	762,024,105	1,347,745,164	585,721,059	1,015,130
Armstrong	150	4,883	6,756,652	1,087,002	11,607,316	24,158,139	12,550,823	38,306
Beaver	250	24,474	39,232,351	5,061,926	123,100,735	201,950,502	78,849,767	211,799
Bedford	159	1,404	1,463,185	84,033	6,326,746	9,080,375	2,753,629	13,033
Berks	1,031	41,072	39,910,273	6,316,351	112,504,439	193,859,538	81,355,099	91,078
Blair	167	19,973	27,711,579	653,259	52,436,440	87,860,380	35,423,940	33,208
Bradford	147	4,529	5,528,335	760,366	12,803,278	22,091,853	9,288,575	15,252
Bucks	498	15,086	18,730,984	1,801,334	35,611,865	68,575,038	32,963,173	24,189
Butler	188	6,803	8,797,431	2,212,370	45,624,540	61,741,349	16,116,809	46,063
Cambria	276	15,023	25,828,491	2,669,635	56,147,860	97,554,133	41,406,273	165,066
Cameron	21	989	1,164,447	219,614	4,453,356	7,779,461	3,326,105	3,629
Carbon	116	7,398	7,706,958	1,176,767	18,960,896	40,833,425	21,872,529	31,006
Centre	169	1,985	1,794,343	148,299	3,697,861	7,251,650	3,553,789	7,866
Chester	336	12,561	15,788,142	1,174,482	49,619,136	76,895,119	27,275,983	115,886
Clarion	124	1,243	1,404,097	64,327	2,121,784	4,493,925	2,372,141	5,284
Clearfield	267	5,904	6,232,319	473,991	15,448,030	27,516,334	12,068,304	19,832
Clinton	133	5,907	6,808,193	324,353	12,460,615	23,662,546	11,201,931	16,856
Columbia	183	6,064	7,349,327	2,986,758	31,459,020	47,115,637	15,656,617	15,687
Crawford	202	3,745	4,095,026	523,112	15,229,312	25,288,808	10,059,496	12,806
Cumberland	188	4,289	3,913,880	447,592	9,358,305	17,430,992	8,072,687	7,348
Dauphin	416	23,765	27,161,228	5,780,524	93,839,257	163,518,414	69,679,157	122,101
Delaware	302	67,396	98,604,495	15,417,008	193,036,946	382,989,130	189,952,184	151,241
Elk	96	5,793	7,504,309	871,540	24,927,861	43,207,007	18,279,146	35,084
Erie	455	22,944	28,929,511	5,493,222	58,425,887	128,866,694	70,440,807	83,318
Fayette	307	11,448	13,721,589	1,660,525	41,825,426	68,808,386	26,980,960	32,822
Forest	16	1,097	1,039,712	87,789	3,757,185	6,634,808	2,877,623	2,792
Franklin	170	5,293	5,789,364	959,328	13,151,999	25,059,673	11,907,674	11,305
Fulton	44	77	54,144	759	219,438	399,912	180,474	778
Greene	51	457	481,424	16,732	1,227,494	2,112,513	885,019	3,811
Huntingdon	179	3,611	3,418,523	313,799	6,215,824	12,519,662	6,303,838	11,356
Indiana	198	2,340	3,102,961	106,241	11,507,466	17,344,313	5,836,847	13,117
Jefferson	153	2,602	3,067,113	367,740	12,029,970	18,960,860	6,930,890	12,234
Juniata	81	656	545,050	15,878	1,317,545	2,332,326	1,014,781	2,026
Lackawanna	484	21,124	17,596,710	2,644,512	37,628,580	73,583,554	35,954,974	40,461
Lancaster	906	28,590	19,859,638	4,085,017	65,588,395	112,445,407	46,857,012	49,652
Lawrence	172	20,329	38,634,029	3,225,585	142,749,930	209,021,388	66,271,458	232,209
Lebanon	313	10,076	8,772,282	704,491	25,810,309	43,940,189	18,129,880	55,964
Lehigh	567	24,215	23,593,993	4,875,881	86,334,867	149,098,110	62,763,243	93,379
Luzerne	579	24,856	21,400,073	4,616,793	46,776,637	94,702,494	47,925,857	43,086
Lycoming	317	12,081	11,940,942	1,567,467	32,502,953	58,912,199	26,409,246	31,793
McKean	206	5,419	6,566,411	1,218,170	20,394,033	38,241,405	17,347,372	19,196
Mercer	177	15,695	26,919,047	1,320,469	88,167,669	129,812,015	41,644,346	127,826
Mifflin	76	4,017	5,491,457	222,875	9,270,336	22,208,481	12,938,145	9,361
Monroe	100	2,000	1,575,682	154,156	5,284,137	8,544,527	3,260,390	5,133
Montgomery	712	28,580	31,811,601	5,437,611	108,952,718	175,263,478	66,310,760	132,076
Montour	51	1,636	1,465,780	90,180	4,157,401	6,148,154	1,990,753	8,338
Northampton	427	32,676	40,390,569	3,685,538	104,360,358	200,405,171	96,044,813	228,902
Northumberland	285	11,468	11,652,394	1,021,721	31,259,726	50,149,508	18,889,782	27,656
Perry	106	992	887,254	22,051	3,036,661	4,466,442	1,429,781	4,087
Philadelphia	9,064	281,105	326,792,395	81,305,466	1,156,340,319	1,996,481,074	840,140,755	528,480
Pike	49	174	120,822	3,899	140,076	414,740	274,664	1,112
Potter	81	2,028	2,134,054	306,824	9,355,311	14,180,744	4,825,433	9,333
Schuylkill	457	12,060	10,181,108	1,231,525	29,931,564	50,345,292	20,413,728	38,033
Snyder	85	785	434,074	28,850	2,997,869	4,512,527	1,514,658	2,699
Somerset	175	791	789,617	60,640	1,340,220	3,018,767	1,678,547	5,471
Sullivan	41	404	371,633	24,130	2,030,581	2,714,451	683,870	1,899
Susquehanna	81	2,055	2,478,470	42,895	3,794,864	7,124,401	3,329,537	4,079
Tioga	94	1,773	1,756,101	298,943	13,172,997	19,886,255	6,713,258	5,526
Union	52	973	724,938	15,100	3,267,591	4,799,323	1,531,732	2,295
Venango	118	6,115	8,474,350	1,537,589	40,439,593	58,799,158	18,359,565	17,460
Warren	188	4,472	5,081,777	987,146	29,812,327	43,492,046	13,679,719	16,902
Washington	380	15,890	23,498,512	2,483,340	65,363,548	106,004,443	40,640,895	96,009
Wayne	170	2,453	1,752,613	178,387	5,192,046	9,356,881	4,164,835	6,349
Westmoreland	511	31,066	47,527,289	10,516,265	117,277,236	215,621,666	98,344,430	168,059
Wyoming	53	510	481,550	18,163	3,514,859	4,843,139	1,328,280	3,454
York	1,023	27,117	23,679,533	7,210,011	65,722,460	122,964,979	57,242,519	60,679

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

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent distribution.	Amount (expressed in thousands of dollars).	Per cent distribution.	Amount (expressed in thousands of dollars).	Per cent distribution.
All industries	27,973	1,135,837	100.0	7,315,703	100.0	3,105,294	100.0
Iron and steel, steel works and rolling mills	198	171,715	15.1	1,296,412	17.7	518,939	16.7
Foundry and machine-shop products	1,287	71,087	6.3	366,383	5.0	205,916	6.6
Iron and steel, blast furnaces	58	14,619	1.3	311,080	4.3	66,120	2.1
Shipbuilding, including boat building	28	56,211	4.9	237,325	3.2	118,608	3.8
Silk goods, including throwsters	373	53,052	4.7	231,711	3.2	105,424	3.4
Cars and general shop construction and repairs by steam-railroad companies	195	78,749	6.9	231,534	3.2	128,370	4.1
Leather, tanned, curried, and finished	92	13,749	1.2	211,389	2.9	64,984	2.1
Knit goods	606	44,156	3.9	188,261	2.6	71,564	2.3
Petroleum, refining	53	8,235	0.7	178,826	2.4	43,844	1.4
Cars, steam-railroad, not including operations of railroad companies	15	11,675	1.0	146,879	2.0	58,012	1.9
Sugar, refining, not including beet sugar	4	3,221	0.3	133,796	1.8	14,000	0.4
Bread and other bakery products	2,651	16,410	1.4	132,880	1.8	49,407	1.6
Electrical machinery, apparatus, and supplies	129	24,228	2.1	132,674	1.8	81,316	2.6
Slaughtering and meat packing	176	4,438	0.4	122,862	1.7	15,581	0.5
Coke, not including gas-house coke	123	11,536	1.0	119,731	1.6	39,377	1.3
Worsted goods	89	15,400	1.4	118,475	1.6	35,963	1.2
Printing and publishing, newspapers and periodicals	963	12,331	1.1	106,667	1.5	67,619	2.2
Tobacco, cigars and cigarettes	1,595	30,380	2.7	98,371	1.3	55,421	1.8
Glass	102	21,602	1.9	80,480	1.1	52,822	1.7
Structural ironwork, not made in steel works or rolling mills	145	10,722	0.9	78,306	1.1	32,824	1.1
Clothing, women's	615	14,364	1.3	77,474	1.1	31,257	1.0
Chemicals	56	7,134	0.6	73,333	1.0	46,552	1.5
Clothing, men's	602	12,855	1.1	73,170	1.0	34,960	1.1
Confectionery and ice cream	839	11,010	1.0	71,120	1.0	28,590	0.9
Flour-mill and gristmill products	1,138	2,198	0.2	69,446	0.9	9,462	0.3
Automobiles	25	4,434	0.4	68,491	0.9	17,070	0.5
Cotton goods	118	9,767	0.9	66,404	0.9	27,584	0.9
Boots and shoes, not including rubber boots and shoes	128	13,317	1.2	65,412	0.9	24,440	0.8
Paper and wood pulp	56	9,843	0.9	64,716	0.9	29,073	0.9
Liquors, malt	166	5,231	0.5	59,352	0.8	44,925	1.4
Tin plate and terneplate	11	2,005	0.2	58,816	0.8	14,061	0.5
Cement	22	7,443	0.7	54,540	0.7	29,166	0.9
Engines, steam, gas, and water	34	9,711	0.9	52,574	0.7	33,738	1.1
Chocolate and cocoa products	10	3,231	0.3	48,660	0.7	16,398	0.5
Woolen goods	108	7,398	0.7	48,240	0.7	19,900	0.6
Carpets and rugs, other than rag	48	7,626	0.7	47,480	0.6	19,948	0.6
Printing and publishing, book and job	1,289	10,461	0.9	46,153	0.6	28,865	0.9
Automobile bodies and parts	177	10,274	0.9	45,329	0.6	20,621	0.7
Brick and tile, terra-cotta, and fire-clay products	303	15,897	1.4	43,842	0.6	27,330	0.9
Dyeing and finishing textiles, exclusive of that done in textile mills	163	7,381	0.6	42,475	0.6	22,760	0.7
Furniture	335	10,954	1.0	42,344	0.6	22,565	0.7
Iron and steel forgings, not made in steel works or rolling mills	48	6,197	0.5	36,709	0.5	19,760	0.6
Rubber tires, tubes, and rubber goods, not elsewhere specified	31	4,880	0.4	35,792	0.5	16,019	0.5
Paints	88	3,144	0.3	35,748	0.5	12,280	0.4
Lumber, planing-mill products, not including planing mills connected with sawmills	538	7,191	0.6	35,125	0.5	16,030	0.5
Brass, bronze, and copper products	125	4,053	0.4	33,496	0.5	12,069	0.4
Gas, illuminating and heating	86	3,324	0.3	31,598	0.4	14,268	0.5
Ferroalloys	10	1,500	0.1	31,419	0.4	7,859	0.3
Condensed milk	49	1,355	0.1	31,029	0.4	6,048	0.2
Steam fittings and steam and hot-water heating apparatus	52	5,919	0.5	30,725	0.4	17,507	0.6
Pickles, preserves, and sauces	48	2,288	0.2	26,189	0.4	11,245	0.4
Oil, not elsewhere specified	37	632	0.1	25,479	0.3	8,228	0.3
Iron and steel, wrought pipe	10	3,467	0.3	25,479	0.3	7,868	0.3
Lumber and timber products	1,334	7,703	0.7	25,031	0.3	17,187	0.6
Shirts	216	8,932	0.8	24,775	0.3	10,177	0.3
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	31	4,546	0.4	23,102	0.3	10,521	0.3
Oilcloth and linoleum, floor	5	2,549	0.2	22,806	0.3	10,932	0.4
Automobile repairing	1,359	5,225	0.5	20,682	0.3	12,318	0.4
Wire	11	2,203	0.2	19,596	0.3	5,379	0.2
Food preparations, not elsewhere specified	145	1,482	0.1	19,434	0.3	4,479	0.1
Hats, fur-felt	20	5,414	0.5	17,995	0.2	12,077	0.4
Machine tools	32	3,671	0.3	16,797	0.2	12,029	0.4
Soap	53	1,214	0.1	16,063	0.2	5,710	0.2
Copper, tin, and sheet-iron work	453	2,883	0.3	14,824	0.2	7,790	0.2
Cotton lace	13	3,140	0.3	14,814	0.2	8,404	0.3
Coffee and spice, roasting and grinding	85	522	(1)	14,676	0.2	2,732	0.1
Textile machinery and parts	64	3,705	0.3	14,355	0.2	8,604	0.3
Boxes, paper and other, not elsewhere specified	150	5,209	0.5	14,003	0.2	7,394	0.2
Tools, not elsewhere specified	104	3,779	0.3	13,718	0.2	8,761	0.3
Minerals and earths, ground or otherwise treated	105	4,914	0.4	13,467	0.2	9,425	0.3
Ice, manufactured	226	2,733	0.2	12,686	0.2	8,548	0.3
Druggists' preparations	62	2,215	0.2	12,606	0.2	7,798	0.3
Hardware	62	4,112	0.4	12,080	0.2	7,424	0.2
Patent medicines and compounds	234	989	0.1	11,913	0.2	6,301	0.2
Stoves and hot-air furnaces	56	3,210	0.3	11,783	0.2	7,802	0.3
Springs, steel, car and carriage, not made in steel works or rolling mills	18	1,618	0.1	11,639	0.2	5,161	0.2
Wirework, including wire rope and cable, not elsewhere specified	51	2,018	0.2	11,477	0.2	4,981	0.2
Explosives	26	1,217	0.1	11,446	0.2	5,344	0.2
Steam packing	33	1,775	0.2	11,358	0.2	5,802	0.2
Millinery and lace goods, not elsewhere specified	117	3,200	0.3	11,303	0.2	5,666	0.2
Marble and stone work	489	3,697	0.3	11,132	0.2	6,820	0.2
Boot and shoe cut stock	11	367	(1)	11,074	0.2	2,535	0.1
Roofing materials	23	1,170	0.1	10,837	0.1	4,507	0.1
Plumbers' supplies, not elsewhere specified	30	2,152	0.2	10,547	0.1	5,820	0.2
Grease and tallow, not including lubricating greases	61	1,185	0.1	10,247	0.1	2,648	0.1
Cooperage	92	1,160	0.1	9,874	0.1	3,073	0.1
Cordage and twine	19	1,970	0.2	9,843	0.1	3,875	0.1
Butter	160	357	(1)	9,718	0.1	1,385	(1)
Coal-tar products	19	1,333	0.1	9,492	0.1	3,283	0.1
Cotton small wares	37	2,472	0.2	9,364	0.1	3,668	0.1
Coffins, burial cases, and undertakers' goods	41	1,824	0.2	9,312	0.1	4,648	0.1
Dental goods	56	2,853	0.3	9,300	0.1	6,024	0.2
Fertilizers	31	1,021	0.1	8,731	0.1	2,886	0.1
Iron and steel, cast-iron pipe	7	1,707	0.1	8,710	0.1	4,556	0.1
Stamped and enameled ware, not elsewhere specified	30	2,179	0.2	8,478	0.1	4,277	0.1
Waste	44	702	0.1	8,413	0.1	2,468	0.1
Cars and general shop construction and repairs by electric-railroad companies	80	4,122	0.4	8,306	0.1	5,190	0.2
Mineral and soda waters	521	1,115	0.1	7,826	0.1	3,766	0.1
Asbestos products, not including steam packing	9	1,150	0.1	7,820	0.1	3,228	0.1
Boxes, wooden packing, except cigar boxes	63	1,401	0.1	7,557	0.1	2,956	0.1
Lime	158	2,539	0.2	7,556	0.1	4,554	0.1
Tinware, not elsewhere specified	33	1,301	0.1	7,489	0.1	2,576	0.1
Umbrellas and canes	21	1,376	0.1	7,247	0.1	2,878	0.1
Bags, other than paper, not including bags made in textile mills	14	349	(1)	6,980	0.1	1,753	0.1
Trunks and valises	86	1,115	0.1	6,621	0.1	3,560	0.1
Instruments, professional and scientific	59	1,701	0.1	6,436	0.1	4,162	0.1
Cork, cutting	11	1,570	0.1	6,371	0.1	2,773	0.1
Mattresses and spring beds, not elsewhere specified	73	1,083	0.1	6,343	0.1	2,420	0.1
Smelting and refining, not from the ore	11	188	(1)	5,912	0.1	862	(1)
Gas machines and gas and water meters	13	1,196	0.1	5,732	0.1	3,809	0.1
Wool pulling	4	150	(1)	5,604	0.1	1,563	0.1
Wall paper, not made in paper mills	12	999	0.1	5,589	0.1	2,006	0.1
Belting, leather	17	414	(1)	5,574	0.1	1,996	0.1
Wood distillation	44	1,211	0.1	5,542	0.1	2,288	0.1
Agricultural implements	27	1,371	0.1	5,536	0.1	2,940	0.1
Paving materials	177	2,285	0.2	5,442	0.1	3,897	0.1
Tobacco, chewing and smoking, and snuff	64	405	(1)	5,423	0.1	1,875	0.1
Furnishing goods, men's	46	1,721	0.2	5,399	0.1	2,336	0.1
All other industries [2]	3,988	90,748	8.0	471,716	6.4	236,070	7.6

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

[2] Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are a number having products in excess of some for which figures are shown in the table. Of these industries the most important are the following: "Aluminum manufactures"; "cars, electric-railroad, not including operations of railroad companies"; "locomotives, not made by railroad companies"; and "smelting and refining, zinc."

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

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL. Male.	PER CENT OF TOTAL. Female.
All classes	1919	1,323,662	1,060,165	263,497	80.1	19.9
	1914	1,060,562	844,300	216,262	79.6	20.4
	1909	1,002,171	802,548	199,623	80.1	19.9
Proprietors and officials	1919	73,903	71,081	2,822	96.2	3.8
	1914	53,381	51,761	1,620	97.0	3.0
	1909	54,696	52,951	1,745	96.8	3.2
Proprietors and firm members	1919	27,433	26,350	1,083	96.1	3.9
	1914	28,034	26,916	1,118	96.0	4.0
	1909	29,743	28,550	1,193	96.0	4.0
Salaried officers of corporations	1919	13,841	13,402	439	96.8	3.2
	1914	8,588	8,372	216	97.5	2.5
	1909	8,410	8,286	124	98.5	1.5
Superintendents and managers	1919	32,629	31,329	1,300	96.0	4.0
	1914	16,759	16,473	286	98.3	1.7
	1909	16,543	16,115	428	97.4	2.6
Clerks and other subordinate salaried employees.	1919	113,922	74,925	38,997	65.8	34.2
	1914	82,703	64,959	17,744	78.5	21.5
	1909	69,932	55,703	14,229	79.7	20.3
Wage earners (average number)	1919	1,135,837	914,159	221,678	80.5	19.5
	1914	924,478	727,580	196,898	78.7	21.3
	1909	877,543	693,894	183,649	79.1	20.9
16 years of age and over	1919	1,116,805	904,924	211,881	81.0	19.0
	1914	897,469	715,044	182,425	79.7	20.3
	1909	848,436	679,831	168,605	80.1	19.9
Under 16 years of age	1919	19,032	9,235	9,797	48.5	51.5
	1914	27,009	12,536	14,473	46.4	53.6
	1909	29,107	14,063	15,044	48.3	51.7

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

INDUSTRY.	Census year.	Wage earners (average number).	PER CENT OF TOTAL. 16 years of age and over. Male.	PER CENT OF TOTAL. 16 years of age and over. Female.	PER CENT OF TOTAL. Under 16 years of age.
All industries	1919	1,135,837	79.7	18.7	1.7
	1914	924,478	77.3	19.7	2.9
	1909	877,543	77.5	19.2	3.3
Automobile bodies and parts	1919	10,274	97.8	1.8	0.4
	1914	1,440	98.6	0.7	0.7
Automobiles	1919	4,434	97.0	3.0	0.1
	1914	1,643	99.0	0.3	0.7
Automobile repairing	1919	5,225	98.5	0.6	0.9
	1914	1,603	99.8	0.1	0.1
Boots and shoes, not including rubber boots and shoes.	1919	13,317	56.3	37.4	6.3
	1914	13,184	60.4	33.6	6.0
Boxes, paper and other, not elsewhere specified.	1919	5,209	32.5	62.1	5.5
	1914	5,140	29.1	59.4	11.6
Brass, bronze, and copper products	1919	4,053	97.1	2.8	0.2
	1914	1,940	98.1	1.4	0.4
Bread and other bakery products	1919	16,410	75.8	23.0	1.2
	1914	15,157	82.9	15.2	1.9
Brick and tile, terra-cotta, and fire-clay products.	1919	15,897	98.4	0.8	0.8
	1914	17,412	98.0	0.6	1.4
Carpets and rugs, other than rag	1919	7,626	60.5	36.7	2.8
	1914	9,569	64.7	31.9	3.3
Cars and general shop construction and repairs by electric-railroad companies.	1919	4,122	95.7	4.3	0.1
	1914	2,972	99.6	0.3	0.1
Cars and general shop construction and repairs by steam-railroad companies.	1919	78,749	98.2	1.8	(1)
	1914	54,729	99.7	0.3	(1)
Cars, steam-railroad, not including operations of railroad companies.	1919	11,675	98.7	1.2	0.1
	1914	9,955	99.7	0.3	(1)
Cement	1919	7,443	98.9	0.8	0.3
	1914	7,910	99.5	(1)	0.5
Chemicals	1919	7,134	77.1	21.7	1.2
	1914	4,748	86.2	11.4	2.4
Clothing, men's	1919	12,855	42.4	55.0	2.6
	1914	10,236	48.3	49.6	2.1
Clothing, women's	1919	14,364	24.6	74.7	0.7
	1914	17,217	29.9	68.8	1.3
Coke, not including gas-house coke	1919	11,536	99.9	(1)	0.1
	1914	9,871	99.1	(1)	0.9
Confectionery and ice cream	1919	11,010	50.9	45.5	3.7
	1914	8,038	46.3	47.7	6.1
Cotton goods	1919	9,767	51.9	45.5	2.6
	1914	9,158	50.3	42.9	6.8
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	7,381	79.9	18.4	1.7
	1914	6,389	86.0	11.7	2.3
Electrical machinery, apparatus, and supplies.	1919	24,228	82.6	16.9	0.5
	1914	14,866	87.5	11.8	0.8
Engines, steam, gas, and water	1919	9,711	97.7	2.2	0.1
	1914	5,222	99.9	0.1	(1)
Foundry and machine-shop products [2]	1919	79,009	97.3	2.3	0.5
	1914	57,116	98.6	0.9	0.6
Furniture	1919	10,954	91.1	7.9	1.0
	1914	11,760	95.6	3.1	1.3
Glass	1919	21,602	87.3	10.4	2.2
	1914	23,606	89.1	5.5	5.4
Hardware	1919	4,112	76.0	17.7	6.3
	1914	5,112	85.2	8.8	6.0
Hats, fur-felt	1919	5,414	75.9	20.8	3.3
	1914	6,714	75.2	22.4	2.4
Iron and steel, blast furnaces	1919	14,619	99.9	0.1	.....
	1914	11,518	99.9	(1)	(1)
Iron and steel, steel works and rolling mills.	1919	171,715	99.3	0.7	0.1
	1914	131,955	99.1	0.3	0.5
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1919	4,546	90.2	8.9	0.9
	1914	2,547	92.8	4.4	2.8
Iron and steel forgings, not made in steel works or rolling mills.	1919	6,197	94.1	5.0	0.9
	1914	2,205	97.2	(1)	2.7
Knit goods	1919	44,156	21.2	70.8	8.0
	1914	41,130	21.0	69.5	9.4
Leather, tanned, curried, and finished	1919	13,749	92.5	6.9	0.6
	1914	11,988	95.0	4.2	0.9
Liquors, malt	1919	5,231	99.6	0.3	(1)
	1914	7,512	99.7	0.2	0.1
Lumber and timber products	1919	7,703	99.5	0.4	0.1
	1914	10,754	99.5	0.4	0.1
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	7,191	97.5	2.1	0.4
	1914	8,586	97.8	1.4	0.9
Marble and stone work	1919	3,697	98.9	0.6	0.5
	1914	7,166	99.5	0.1	0.4
Minerals and earths, ground or otherwise treated.	1919	4,914	99.7	0.2	0.1
	1914	822	99.8	.....	0.2
Paper and wood pulp	1919	9,843	92.4	7.5	0.1
	1914	7,447	92.2	7.6	0.2

[1] Less than one-tenth of 1 per cent.
[2] Includes "iron and steel, tempering and welding"; "machine tools"; "steel barrels, drums, and tanks"; and "textile machinery and parts".

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

INDUSTRY.	Census year.	Wage earners (average number).	PER CENT OF TOTAL. 16 years of age and over. Male.	Female.	Under 16 years of age.
Petroleum, refining	1919	8,235	97.7	2.3	(1)
	1914	4,902	98.9	0.6	0.4
Printing and publishing, book and job	1919	10,461	69.9	26.6	3.5
	1914	10,139	73.1	23.2	3.7
Printing and publishing, newspapers and periodicals.	1919	12,331	78.8	18.0	3.2
	1914	12,750	77.8	18.8	3.4
Rubber tires, tubes, and rubber goods, not elsewhere specified.	1919	4,880	83.2	14.1	2.7
	1914	3,172	85.9	12.2	1.8
Shipbuilding, including boat building	1919	56,211	99.3	0.5	0.2
	1914	4,773	98.6	0.3	1.1
Shirts	1919	8,932	13.9	82.1	4.0
	1914	10,890	16.9	77.6	5.6
Silk goods, including throwsters	1919	53,052	28.6	63.9	7.5
	1914	44,755	29.6	57.9	12.5
Slaughtering and meat packing	1919	4,438	91.4	8.4	0.2
	1914	3,616	97.4	2.2	0.4
Steam fittings and steam and hot-water heating apparatus.	1919	5,919	95.4	4.2	0.4
	1914	5,747	96.4	1.8	1.9
Structural ironwork, not made in steel works or rolling mills.	1919	10,722	99.3	0.6	(1)
	1914	9,308	99.7	0.2	0.1
Tobacco, cigars and cigarettes	1919	30,380	32.9	66.4	0.7
	1914	36,931	36.4	60.5	3.2
Tools, not elsewhere specified	1919	3,779	93.3	6.1	0.6
	1914	2,077	97.5	1.3	1.2
Woolen goods	1919	7,398	62.2	36.2	1.6
	1914	5,960	61.7	34.5	3.8
Worsted goods	1919	15,400	39.3	55.5	5.2
	1914	17,292	37.8	51.8	10.4
All other industries	1919	196,627	78.3	19.7	2.1
	1914	175,229	78.1	19.2	2.7

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

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

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES. Total.			16 years of age and over. Male.			Female.			Under 16 years of age.			VALUE OF PRODUCTS.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
Allentown	14,812	13,685	11,481	9,650	8,278	6,520	4,640	4,738	4,386	522	669	575	$90,834,488	$33,918,299	$26,263,327
Altoona	12,800	10,732	8,409	11,670	10,077	7,797	1,051	535	478	79	120	134	53,946,093	22,592,676	16,762,738
Ambridge	3,414	.....	.....	3,194	.....	.....	211	.....	.....	9	.....	.....	26,768,145	.....	.....
Beaver Falls	3,204	2,639	2,180	2,977	2,413	1,980	185	152	137	42	74	63	20,414,439	7,963,420	6,400,338
Bethlehem	14,961	12,388	9,568	12,807	10,079	7,882	1,949	1,965	1,440	205	344	246	102,567,075	43,965,949	30,128,705
Braddock	1,170	1,140	1,040	1,150	1,128	1,005	18	10	7	2	2	28	9,438,995	4,021,540	5,094,382
Bradford	1,539	1,178	1,318	1,373	1,052	1,123	152	115	162	14	11	33	10,861,158	4,034,401	3,886,538
Bristol	1,470	1,809	.....	743	956	.....	661	721	.....	66	132	.....	5,697,607	5,037,120	.....
Butler	3,744	3,303	2,807	3,371	3,169	2,720	338	97	61	35	37	26	44,476,790	15,006,393	11,033,726
Canonsburg	2,971	.....	.....	2,688	.....	.....	279	.....	.....	4	.....	.....	16,894,336	.....	.....
Carbondale	861	1,897	1,503	547	1,333	1,220	252	451	235	62	113	48	3,187,996	3,170,410	2,523,387
Carlisle	1,422	1,603	1,334	907	1,064	835	463	481	426	52	58	73	6,543,455	3,414,959	2,495,710
Carnegie	222	337	337	200	309	325	21	24	10	1	4	2	2,789,605	1,724,111	1,183,545
Carrick	16	.....	.....	14	.....	.....	2	.....	.....	.....	.....	.....	120,849	.....	.....
Chambersburg	1,996	1,650	1,364	1,698	1,287	1,165	254	306	149	44	57	50	8,791,872	3,075,292	2,456,035
Charleroi	2,023	1,904	.....	1,537	1,443	.....	452	287	.....	34	174	.....	5,687,212	2,909,338	.....
Chester	18,677	6,295	6,986	16,781	4,637	5,260	1,847	1,472	1,488	49	186	238	95,949,003	21,021,170	19,373,314
Columbia	2,322	2,141	2,773	1,543	1,424	1,966	698	632	643	81	85	164	9,812,018	3,340,702	4,807,068
Connellsville	1,623	1,087	1,035	1,522	1,038	1,005	96	43	27	5	6	3	4,663,847	1,993,557	1,970,936
Dickson City	806	.....	.....	169	.....	.....	520	.....	.....	117	.....	.....	903,003	.....	.....
Du Bois	1,397	1,105	920	1,347	1,096	909	47	7	10	3	2	1	3,937,516	2,394,534	1,753,473
Dunmore	1,360	948	1,019	1,106	797	789	208	116	173	46	35	57	3,627,815	1,268,939	1,494,182
Easton	4,672	4,062	3,388	3,427	3,062	2,392	1,145	904	881	100	96	115	27,011,928	10,357,227	6,915,345
Erie	13,297	11,016	9,619	11,375	9,443	8,415	1,651	1,242	934	271	331	270	70,407,540	29,447,084	23,812,488
Greensburg	653	494	270	583	428	242	70	47	26	.....	19	2	3,999,934	1,382,472	687,190
Harrisburg	10,522	7,966	9,743	7,860	5,485	7,088	2,609	2,361	2,531	53	120	124	52,152,818	18,872,156	22,665,328
Hazleton	3,815	2,744	2,682	1,473	899	995	2,008	1,552	1,357	334	293	330	14,830,168	5,593,761	4,707,025
Homestead	513	260	171	435	231	154	64	26	13	14	3	4	3,759,223	1,019,118	659,196
Jeannette	1,990	.....	.....	1,723	.....	.....	224	.....	.....	43	.....	.....	8,546,036	.....	.....
Johnstown	12,855	12,177	10,233	12,430	11,665	9,939	407	365	95	18	147	199	90,468,742	50,973,960	46,774,343
Lancaster	9,444	8,862	7,955	6,136	5,526	4,690	2,981	2,907	2,770	327	429	495	48,025,759	20,011,393	15,933,705
Lebanon	5,651	5,270	5,591	3,775	3,993	4,288	1,699	1,141	1,046	177	136	257	23,242,000	9,871,443	11,429,063
McKeesport	11,909	6,857	8,246	11,640	6,530	7,990	263	201	206	6	126	50	105,058,713	33,743,329	42,494,567
McKees Rocks	3,114	3,548	3,554	2,842	3,180	3,472	262	273	52	10	95	30	13,201,791	7,894,165	9,581,579
Mahanoy City	450	661	590	136	175	143	285	466	398	29	20	49	1,086,619	1,057,349	867,576
Meadville	1,841	1,676	2,036	1,490	1,318	1,640	343	326	382	8	32	14	7,948,712	5,057,962	3,497,957
Mount Carmel	1,221	978	600	259	167	87	911	645	364	51	166	149	3,382,485	1,279,906	785,391
Nanticoke	1,029	747	344	146	103	70	854	538	179	29	106	95	2,015,014	995,335	414,701
New Castle	8,014	6,381	5,521	7,449	6,055	5,327	537	304	158	28	22	36	91,370,618	38,084,877	38,340,711
New Kensington	3,704	.....	.....	3,266	.....	.....	436	.....	.....	2	.....	.....	22,550,749	.....	.....
Norristown	3,534	3,959	3,818	2,111	2,127	1,940	1,324	1,681	1,676	99	151	202	18,334,230	8,421,430	7,324,501
Oil City	3,306	2,276	1,283	3,225	2,215	1,256	81	57	24	.....	4	3	14,068,715	4,871,981	2,954,892
Old Forge	262	.....	.....	13	.....	.....	171	.....	.....	78	.....	.....	236,196	.....	.....
Philadelphia	281,105	251,286	251,294	196,903	165,937	167,140	78,912	76,822	73,848	5,290	8,527	10,306	1,996,481,074	784,499,633	743,720,228
Phoenixville	2,410	2,927	2,599	1,922	2,295	1,934	419	473	585	69	159	80	12,435,097	6,238,757	5,576,154

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

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.												VALUE OF PRODUCTS.		
	Total.			16 years of age and over.						Under 16 years of age.					
				Male.			Female.								
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
Pittsburgh	83,290	69,620	67,420	72,796	58,879	58,698	9,570	9,454	7,277	924	1,287	1,445	614,726,978	246,694,018	243,391,960
Pittston	974	729	792	460	438	351	500	250	390	14	41	51	3,835,864	1,899,812	1,969,452
Potmouth	588	478	908	156	107	285	392	315	518	40	56	105	1,285,256	831,439	1,178,606
Plytstown	4,099	2,622	3,619	3,170	1,971	2,938	848	553	594	81	98	87	23,582,795	8,865,860	12,502,394
Pottsville	2,977	3,506	2,808	1,918	2,382	2,021	971	845	628	88	279	159	16,115,011	10,195,800	8,978,913
Punxsutawney	457	710	.....	383	656	.....	73	39	.....	1	15	.....	3,268,087	2,227,620	.....
Reading	29,122	24,131	24,145	20,130	16,760	16,610	7,609	6,333	6,213	1,383	1,038	1,322	141,560,831	53,231,926	51,184,967
Scranton	14,467	12,559	12,851	8,008	7,095	6,756	5,794	4,686	5,068	665	778	1,027	54,629,522	28,721,829	26,364,825
Shamokin	3,251	2,634	1,623	1,125	688	359	1,986	1,435	1,016	140	511	248	11,600,141	5,541,617	3,544,095
Sharon	2,707	2,298	2,545	2,600	2,243	2,523	81	27	20	26	28	2	18,030,458	6,372,998	5,962,278
Shenandoah	759	475	242	202	238	158	550	209	76	7	28	8	4,028,327	1,573,464	887,503
Sunbury	2,128	1,718	2,069	1,516	1,239	1,585	549	411	430	63	68	54	10,130,785	5,115,641	4,450,159
Tamaqua	806	974	.....	377	367	.....	404	514	.....	25	93	.....	2,956,545	1,686,748	.....
Uniontown	573	776	335	547	763	325	25	12	4	1	1	6	3,320,002	2,237,177	1,346,865
Warren	2,154	1,876	1,489	1,896	1,776	1,295	237	95	179	21	5	15	18,091,994	8,611,207	5,744,321
Washington	2,880	2,002	1,896	2,667	1,766	1,703	211	171	129	2	65	64	13,837,807	5,093,672	4,310,691
West Chester	1,005	894	916	843	785	829	159	103	81	3	6	6	3,994,654	2,084,505	2,145,843
Wilkes-Barre	9,408	8,107	7,553	5,828	5,063	4,943	3,154	2,510	2,062	426	534	548	41,986,203	16,733,954	13,525,957
Wilkinsburg	323	194	185	304	189	181	19	4	4	.....	1	.....	1,703,167	572,207	538,217
Williamsport	8,566	6,015	5,594	6,401	4,599	4,121	2,074	1,312	1,303	91	104	170	41,658,334	15,863,699	13,201,787
York	13,368	10,851	9,836	9,405	7,632	7,494	3,534	2,844	1,998	429	375	344	59,588,904	22,043,328	17,649,592
All other cities [1]	39,113	22,848	19,054	37,761	21,436	18,006	1,267	1,221	795	85	191	253	414,335,845	105,791,578	107,206,331

[1] All other cities embrace: Berwick, Coatesville, Donora, Duquesne, Farrell, Monessen, North Braddock, Olyphant, Steelton, Swissvale, and Woodlawn in 1919; Coatesville, Dickson City, Duquesne, Farrell, Monessen, North Braddock, Old Forge, and Steelton in 1914; and Coatesville, Duquesne, Monessen, North Braddock, Old Forge, South Sharon, and Steelton in 1909.

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

MONTH.	NUMBER.[1]			PER CENT OF MAXIMUM.			MONTH.	NUMBER.[1]			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January	1,161,601	945,481	*819,987*	97.0	98.3	85.3	July	1,138,814	920,404	860,435	95.1	95.7	89.6
February	1,128,614	949,918	825,082	94.2	98.7	85.9	August	1,156,018	914,502	873,308	96.5	95.1	90.9
March	1,101,621	**962,114**	835,617	92.0	100.0	87.0	September	1,158,562	917,927	911,802	96.7	95.4	94.9
April	1,083,824	955,614	844,230	90.5	99.3	87.9	October	1,141,814	902,731	933,852	95.3	93.8	97.2
May	*1,083,521*	942,197	850,373	90.5	97.9	88.5	November	1,172,674	*873,158*	947,698	97.9	90.8	98.6
June	1,105,314	936,124	867,526	92.3	97.3	90.3	December	**1,197,667**	873,586	**960,666**	100.0	90.8	100.0

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

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

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

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	1,135,837	1,161,601	1,128,614	1,101,621	1,083,824	*1,083,521*	1,105,314	1,138,814	1,156,018	1,158,562	1,141,814	1,172,674	**1,197,667**	90.5
Males	914,159	947,824	916,914	889,521	871,706	*868,322*	889,374	916,900	932,972	932,112	910,450	935,017	**958,796**	90.6
Females	221,678	213,777	*211,700*	212,100	212,118	215,199	215,940	221,914	223,046	226,450	231,364	237,657	**238,871**	88.6
Automobile bodies and parts	10,274	*8,329*	8,628	8,826	9,196	9,632	9,799	10,061	10,652	11,148	11,691	12,431	**12,895**	64.6
Automobiles	4,434	*3,755*	4,091	3,917	3,939	4,392	4,603	4,574	4,667	4,680	4,731	4,893	**4,966**	75.6
Automobile repairing	5,225	*4,797*	4,802	4,909	5,090	5,207	5,343	5,410	**5,505**	5,462	5,381	5,386	5,408	87.1
Boots and shoes, not including rubber boots and shoes	13,317	*12,506*	12,617	12,787	13,027	13,193	13,344	13,598	13,669	13,613	13,768	13,811	**13,871**	90.2
Boxes, paper and other, not elsewhere specified	5,209	*4,766*	4,886	4,940	4,976	5,014	5,085	5,286	5,334	5,341	5,460	5,625	**5,795**	82.2
Brass, bronze, and copper products	4,053	4,420	4,220	3,982	3,853	3,667	*3,645*	3,812	3,983	4,102	4,169	4,301	**4,482**	81.3
Bread and other bakery products	16,410	16,164	*15,775*	15,919	16,001	16,080	16,389	16,552	16,514	16,602	16,720	17,024	**17,180**	91.8
Brick and tile, terra-cotta, and fire-clay products	15,897	15,710	14,715	*14,637*	15,048	15,211	15,618	16,201	16,685	**17,046**	16,904	16,576	16,413	85.9
Carpets and rugs, other than rag	7,626	6,341	*5,806*	5,965	6,695	7,507	8,031	8,327	8,446	8,559	8,402	8,620	**8,813**	65.9
Cars and general shop construction and repairs by electric-railroad companies	4,122	**4,298**	4,223	4,214	4,087	4,057	*4,023*	4,062	4,062	4,062	4,085	4,120	4,171	93.6
Cars and general shop construction and repairs by steam-railroad companies	78,749	82,286	77,122	72,304	*71,979*	73,292	74,887	78,464	80,083	81,887	84,242	**84,367**	84,075	85.3
Cars, steam-railroad, not including operations of railroad companies	11,675	**16,239**	13,117	11,961	11,981	12,066	12,131	12,151	11,676	9,909	*7,394*	9,596	11,879	45.5
Cement	7,443	6,422	*6,310*	6,383	6,766	7,012	7,508	8,027	8,106	8,355	**8,368**	8,089	7,970	75.4
Chemicals	7,134	6,891	6,603	*6,602*	6,921	6,929	6,998	7,186	7,212	7,470	7,585	7,578	**7,633**	86.5
Clothing, men's	12,855	*11,182*	11,238	11,688	11,699	11,923	12,457	13,075	13,356	14,004	14,421	14,583	**14,634**	76.4
Clothing, women's	14,364	*12,291*	13,505	14,344	14,084	14,182	14,487	14,717	15,042	**15,358**	15,086	14,764	14,508	80.0
Coke, not including gas-house coke	11,536	**13,293**	12,367	11,947	10,888	10,120	*9,859*	10,828	12,374	12,077	11,243	11,314	12,122	74.2
Confectionery and ice cream	11,010	*10,018*	10,514	10,809	11,094	10,859	10,958	11,221	11,407	**11,804**	11,426	11,014	10,996	84.9
Cotton goods	9,767	8,898	*8,734*	8,917	9,166	9,491	9,841	10,055	10,155	10,349	10,406	10,581	**10,611**	82.3
Dyeing and finishing textiles, exclusive of that done in textile mills	7,381	6,761	6,643	*6,595*	6,665	7,018	7,394	7,671	7,944	7,623	7,782	8,314	**8,362**	76.5
Electrical machinery, apparatus, and supplies	24,228	25,060	24,293	23,551	22,387	*21,791*	22,088	22,771	23,742	24,333	25,795	27,108	**27,817**	78.3
Engines, steam, gas, and water	9,711	10,551	10,190	9,825	9,412	*8,989*	9,323	9,399	9,237	9,265	9,630	10,140	**10,571**	85.0
Foundry and machine-shop products	71,087	76,177	72,184	69,710	67,646	*66,492*	66,917	68,767	69,468	70,930	72,859	74,764	**77,130**	86.2
Furniture	10,954	*9,648*	9,690	9,984	10,281	10,501	10,864	11,251	11,445	11,656	11,840	12,022	**12,266**	78.7
Glass	21,602	20,149	20,607	20,490	20,477	20,349	20,496	*18,809*	20,558	23,389	24,283	**24,944**	24,673	75.4
Hardware	4,112	*3,890*	3,909	3,952	3,948	3,940	4,038	4,169	4,235	4,216	4,324	**4,377**	4,346	88.9
Hats, fur-felt	5,414	*5,000*	5,038	5,150	5,023	5,019	5,231	5,571	5,726	5,762	5,778	5,825	**5,845**	85.5
Iron and steel, blast furnaces	14,619	**17,554**	16,624	15,984	14,048	13,099	13,134	13,838	14,630	15,005	*12,786*	13,764	14,962	72.8
Iron and steel, steel works and rolling mills	171,715	**202,630**	190,815	177,543	166,937	159,332	163,373	174,004	176,471	169,885	*145,252*	160,270	174,068	71.7
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	4,546	**5,024**	5,020	4,915	4,605	4,348	4,363	4,497	4,373	4,428	*3,986*	4,400	4,613	78.9
Iron and steel forgings, not made in steel works or rolling mills	6,197	**6,957**	6,547	6,044	5,650	*5,578*	5,651	5,823	5,901	6,125	6,472	6,801	6,815	80.2
Knit goods	44,156	41,794	*39,464*	39,706	40,226	42,305	43,387	45,676	46,655	46,885	47,556	**48,132**	48,086	82.0
Leather, tanned, curried, and finished	13,749	*12,287*	12,538	12,648	12,818	13,316	14,026	14,313	14,431	14,520	14,577	14,727	**14,787**	83.1
Liquors, malt	5,231	5,128	5,052	5,109	5,255	5,404	5,735	**5,774**	5,564	5,242	5,001	4,906	*4,602*	79.7
Lumber and timber products	7,703	7,262	7,351	7,478	7,307	7,346	7,149	*6,997*	7,550	8,088	8,439	8,662	**8,807**	79.4
Lumber, planing-mill products, not including planing mills connected with sawmills	7,191	6,666	6,595	*6,275*	6,424	6,761	7,227	7,407	7,682	7,578	7,839	**7,984**	7,854	78.6
Machine tools	3,671	**4,005**	3,934	3,950	3,873	3,764	3,691	3,688	3,647	*3,033*	3,344	3,504	3,619	75.7
Marble and stone work	3,697	*2,815*	2,937	3,214	3,616	3,792	3,918	3,965	4,013	4,061	**4,062**	4,021	3,950	69.3
Minerals and earths, ground or otherwise treated	4,914	4,836	4,670	4,768	4,671	*4,653*	4,881	5,145	**5,246**	5,142	5,029	5,023	4,904	88.7
Paper and wood pulp	9,843	9,740	9,521	*9,342*	9,378	9,485	9,556	9,842	10,058	10,184	10,212	10,351	**10,447**	89.4
Petroleum, refining	8,235	8,134	8,220	*8,017*	8,157	8,158	8,404	**8,512**	8,405	8,353	8,254	8,168	8,038	94.2
Printing and publishing, book and job	10,461	10,783	*9,977*	10,111	10,082	10,130	10,212	10,307	10,405	10,627	10,751	10,999	**11,148**	89.5
Printing and publishing, newspapers and periodicals	12,331	*11,684*	11,911	12,137	11,866	12,206	12,447	12,469	12,659	12,637	12,656	**12,697**	12,603	92.0
Rubber tires, tubes, and rubber goods, not elsewhere specified	4,880	*4,385*	4,488	4,445	4,713	4,767	4,752	4,916	4,863	5,002	5,315	5,319	**5,595**	78.4
Shipbuilding, including boat building	56,211	61,732	**63,153**	60,176	56,561	56,004	57,536	57,016	55,951	53,114	53,208	50,250	*49,831*	78.9
Shirts	8,932	8,486	8,362	8,026	*7,984*	8,230	8,254	8,708	9,084	9,482	9,756	10,324	**10,488**	76.1
Silk goods, including throwsters	53,052	*50,128*	51,008	51,227	52,072	52,806	52,362	53,015	53,618	53,717	52,567	56,762	**57,342**	87.4
Slaughtering and meat packing	4,438	4,583	4,385	4,318	*4,237*	4,248	4,312	4,339	4,254	4,409	4,671	4,610	**4,890**	86.6
Steam fittings and steam and hot-water heating apparatus	5,919	*5,274*	5,322	5,365	5,377	5,426	5,657	5,888	6,340	6,465	6,533	**6,710**	6,671	78.6
Structural ironwork, not made in steel works or rolling mills	10,722	**11,570**	11,351	10,667	*10,288*	10,347	10,486	10,521	10,649	10,667	10,750	10,668	10,700	88.9
Textile machinery and parts	3,705	*3,276*	3,303	3,359	3,388	3,505	3,565	3,719	3,842	3,961	3,926	4,229	**4,387**	74.7
Tobacco, cigars and cigarettes	30,380	29,663	29,905	30,713	30,461	30,406	29,781	29,305	*25,518*	26,856	32,224	34,316	**35,412**	72.1
Tools, not elsewhere specified	3,779	3,822	3,732	3,693	3,674	3,651	*3,598*	3,627	3,763	3,877	3,853	3,975	**4,083**	88.1
Woolen goods	7,398	6,782	5,386	*5,182*	5,895	7,196	7,716	8,181	8,474	8,465	8,438	8,430	**8,631**	60.0
Worsted goods	15,400	13,036	*12,778*	12,889	14,116	15,056	15,574	16,407	16,697	16,853	17,044	16,992	**17,358**	73.6
All other industries	197,173	195,723	192,438	190,212	*187,316*	188,269	193,210	198,900	203,992	**204,899**	203,560	203,513	203,544	91.7

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

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

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Industries showing large proportion of females.														
Boots and shoes, not including rubber boots and shoes	5,336	*5,108*	5,116	5,149	5,193	5,259	5,350	5,436	5,446	5,380	5,501	5,519	**5,581**	91.4
Boxes, paper and other, not elsewhere specified	3,408	*3,158*	3,224	3,300	3,306	3,339	3,341	3,490	3,445	3,437	3,494	3,618	**3,744**	84.3
Bread and other bakery products	3,822	3,901	*3,633*	3,739	3,713	3,757	3,772	3,926	3,830	3,766	3,803	3,953	**4,041**	90.6
Carpets and rugs, other than rag	2,914	2,556	*2,385*	2,468	2,655	2,889	3,017	3,092	3,149	3,171	3,141	3,204	**3,241**	73.6
Chemicals	1,606	1,549	1,501	*1,477*	1,695	1,640	1,671	1,666	1,582	1,587	1,630	**1,701**	1,564	86.8
Clothing, men's	7,260	6,361	*6,356*	6,521	6,474	6,607	6,964	7,452	7,689	8,035	8,225	8,214	**8,242**	76.9
Clothing, women's	10,812	*9,198*	9,923	10,520	10,610	10,974	11,084	10,975	11,071	11,384	11,386	11,362	11,257	80.8
Confectionery and ice cream	5,209	*4,921*	5,199	5,452	5,608	5,225	5,012	5,005	5,137	5,382	5,304	5,149	5,114	87.7
Cotton goods	4,580	4,322	*4,214*	4,251	4,333	4,442	4,567	4,706	4,746	4,847	4,807	4,848	**4,877**	86.4
Dyeing and finishing textiles, exclusive of that done in textile mills	1,406	1,312	1,261	*1,194*	1,199	1,273	1,385	1,460	1,518	1,526	1,539	1,602	**1,603**	74.5
Electrical machinery, apparatus, and supplies	4,140	4,307	4,155	4,148	3,899	3,895	3,875	*3,857*	3,989	4,106	4,335	4,518	**4,596**	83.9
Hats, fur-felt	1,225	1,121	1,126	1,150	1,095	*1,093*	1,097	1,214	1,281	1,339	1,369	1,402	**1,413**	77.4
Knit goods	33,730	32,412	*30,848*	31,152	30,871	32,215	32,786	34,690	35,450	35,610	36,150	36,137	**36,445**	84.6
Printing and publishing, book and job	2,833	*2,700*	2,734	2,805	2,788	2,774	2,762	2,807	2,811	2,855	2,914	3,038	**3,008**	88.9
Printing and publishing, newspapers and periodicals	2,230	2,237	2,249	2,247	2,181	2,229	*2,143*	2,213	2,334	2,305	2,216	2,244	2,162	91.8
Shirts	7,011	7,238	7,167	6,801	*6,791*	6,997	7,031	7,419	7,740	8,078	8,319	8,781	**8,910**	76.2
Silk goods, including throwsters	36,580	35,509	36,047	36,149	36,481	36,781	35,911	36,354	36,835	36,561	*35,165*	38,481	**38,686**	90.9
Tobacco, cigars and cigarettes	20,347	19,589	20,043	20,607	20,464	20,524	19,058	19,350	*16,645*	17,831	21,626	23,252	**24,005**	69.3
Woolen goods	2,724	2,470	2,019	*1,947*	2,145	2,522	2,744	2,995	3,095	3,127	3,157	3,207	**3,260**	59.7
Worsted goods	8,993	7,754	*7,493*	7,529	8,262	8,876	9,090	9,516	9,639	9,822	9,931	9,920	**10,084**	74.3
Total for cities	701,136	710,357	691,564	670,790	*667,414*	671,458	685,451	705,342	715,996	714,922	700,933	726,113	**747,292**	89.3
Males	542,493	559,004	541,610	526,576	*515,616*	516,682	529,703	545,673	556,680	552,739	535,310	555,208	**575,115**	89.7
Females	158,643	151,353	*140,954*	150,214	151,798	154,776	155,748	159,669	159,316	162,183	165,623	170,905	**172,177**	87.1
ALLENTOWN	14,812	13,996	14,084	*13,951*	14,196	14,415	14,554	14,676	14,547	14,738	15,835	16,242	**16,510**	84.5
Males	9,867	9,291	9,264	*9,024*	9,181	9,409	9,660	9,958	10,176	10,287	10,574	10,710	**10,870**	83.0
Females	4,945	4,705	4,820	4,927	5,015	5,006	4,894	4,718	*4,371*	4,451	5,261	5,532	**5,640**	77.5
ALTOONA	12,800	12,672	11,766	*11,459*	11,616	12,046	12,506	13,013	13,369	13,469	13,881	**13,972**	13,831	82.0
Males	11,722	11,472	10,683	*10,406*	10,586	10,993	11,380	11,846	12,270	12,466	12,849	**12,929**	12,784	80.5
Females	1,078	1,200	1,083	1,053	1,030	1,053	1,126	1,167	1,099	*1,003*	1,032	1,043	1,047	83.6
AMBRIDGE	3,414	3,151	3,200	3,117	*3,055*	3,176	3,383	3,584	3,625	3,698	**3,795**	3,673	3,561	80.5
Males	3,198	2,980	3,029	2,937	*2,857*	2,971	3,107	3,356	3,389	3,444	3,533	3,431	3,342	80.9
Females	216	*171*	171	180	198	205	226	228	236	254	**262**	242	219	65.3
BEAVER FALLS	3,204	3,205	3,107	3,051	2,988	*2,973*	3,073	3,188	3,325	3,409	**3,425**	3,301	3,398	86.9
Males	3,015	3,040	2,935	2,881	2,801	*2,783*	2,870	2,994	3,133	3,214	3,223	3,105	3,201	86.3
Females	189	*165*	172	170	187	195	203	194	192	195	202	196	197	81.3
BETHLEHEM	14,961	**17,964**	16,850	14,182	*12,056*	13,586	14,393	14,327	14,173	14,582	14,628	15,797	16,114	72.0
Males	12,887	**15,926**	14,734	12,099	*10,881*	11,463	12,239	12,702	12,777	12,773	12,226	13,293	13,531	68.3
Females	2,074	2,038	2,116	2,083	2,055	2,123	2,154	1,625	*1,396*	1,809	2,402	2,504	**2,583**	54.0
BRADDOCK	1,170	1,218	1,185	1,139	1,268	1,329	1,261	1,269	1,300	1,079	*838*	1,071	1,083	63.1
Males	1,152	1,201	1,166	1,121	1,250	1,311	1,242	1,251	1,283	1,062	*820*	1,052	1,065	62.5
Females	18	*17*	**18**	18	18	18	19	18	*17*	*17*	18	**19**	18	89.5
BRADFORD	1,539	1,453	1,488	1,553	1,587	1,397	*1,369*	1,435	1,471	1,625	1,673	1,688	**1,729**	79.2
Males	1,386	1,303	1,328	1,409	1,441	1,254	*1,229*	1,282	1,317	1,468	1,506	1,523	**1,572**	78.2
Females	153	150	160	144	146	143	*140*	153	154	157	**167**	165	157	83.8
BRISTOL	1,470	*1,250*	1,301	1,288	1,304	1,370	1,427	1,542	1,559	1,581	1,603	1,668	**1,747**	71.6
Males	769	659	657	*632*	651	691	734	802	815	852	869	911	**955**	66.2
Females	701	*591*	644	656	653	679	693	740	744	729	734	757	**792**	74.6
BUTLER	3,744	**5,724**	3,807	3,804	3,914	3,895	4,069	4,153	3,823	*2,262*	2,685	3,080	3,712	39.5
Males	3,396	**5,354**	3,484	3,487	3,605	3,572	3,750	3,798	3,476	*1,903*	2,306	2,700	3,317	35.5
Females	348	370	323	317	*309*	323	319	355	347	359	379	380	**395**	78.2
CANONSBURG	2,971	**3,143**	3,135	3,009	2,922	2,871	2,953	2,981	2,988	2,973	*2,822*	2,915	2,940	89.8
Males	2,692	2,877	2,880	2,749	2,651	2,601	2,635	2,671	2,689	2,685	*2,561*	2,648	2,667	88.6
Females	279	266	*255*	260	271	270	318	310	299	288	271	267	273	80.2
CARBONDALE	861	826	817	826	789	793	837	885	874	*705*	919	988	**1,073**	65.7
Males	574	590	600	569	550	547	565	578	576	*512*	584	613	604	83.5
Females	287	236	217	257	239	246	272	307	298	*193*	335	375	**469**	41.2
CARLISLE	1,422	1,343	1,350	1,358	*1,315*	1,361	1,417	1,457	1,502	1,480	1,461	1,488	**1,534**	85.6
Males	928	860	885	887	831	905	933	952	981	970	962	966	**1,004**	82.8
Females	494	483	465	471	482	*456*	484	505	521	510	499	522	**530**	86.0
CARNEGIE	222	197	202	*193*	203	199	221	243	**253**	245	250	234	224	76.3
Males	201	176	181	*172*	182	178	200	222	**232**	224	229	213	203	74.1
Females	21	21	21	21	21	21	21	21	21	21	21	21	21	.....
CARRICK	16	*14*	15	16	17	17	17	16	16	16	16	16	16	82.4
Males	14	*12*	13	14	15	15	15	14	14	14	14	14	14	80.0
Females	2	2	2	2	2	2	2	2	2	2	2	2	2	.....
CHAMBERSBURG	1,996	1,981	1,857	*1,731*	1,860	1,874	1,992	2,064	2,114	2,110	2,122	2,102	**2,145**	80.7
Males	1,736	1,732	1,688	*1,571*	1,657	1,647	1,696	1,762	1,800	1,808	1,815	1,800	**1,856**	84.6
Females	260	249	169	*160*	203	227	296	302	314	302	307	302	289	51.0
CHARLEROI	2,023	2,089	2,074	2,105	2,077	1,917	1,853	*1,729*	1,881	2,042	2,095	2,199	**2,215**	78.1
Males	1,557	1,669	1,628	1,634	1,606	1,453	1,406	*1,288*	1,418	1,567	1,608	1,699	**1,708**	75.4
Females	466	*420*	446	471	471	464	447	441	463	475	487	500	**507**	82.8

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

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

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
CHESTER	18,677	19,950	**20,287**	18,969	*17,826*	17,907	18,546	17,915	17,989	18,044	18,531	18,544	19,616	87.9
Males	16,810	18,257	**18,523**	17,246	16,120	16,150	16,753	*16,006*	16,044	16,017	16,532	16,528	17,544	86.4
Females	1,867	*1,693*	1,764	1,723	1,706	1,757	1,793	1,909	1,945	2,027	1,999	2,016	**2,072**	81.7
COLUMBIA	2,322	2,256	2,271	*2,085*	2,106	2,235	2,285	2,322	2,383	2,449	2,475	2,487	**2,510**	83.1
Males	1,583	1,580	1,563	1,391	*1,359*	1,500	1,553	1,582	1,634	1,691	1,709	**1,725**	1,709	78.8
Females	739	*676*	708	694	747	735	732	740	749	758	766	762	**801**	84.4
CONNELLSVILLE	1,623	1,548	1,662	1,597	1,685	1,582	1,519	*1,428*	1,530	**1,755**	1,722	1,707	1,741	81.4
Males	1,527	1,443	1,563	1,504	1,591	1,488	1,424	*1,333*	1,435	**1,663**	1,627	1,614	1,639	80.2
Females	96	**105**	99	93	94	94	95	95	95	*92*	95	93	102	87.6
DICKSON CITY	806	901	**909**	543	853	885	**916**	911	914	856	*186*	897	901	20.3
Males	207	227	209	152	183	220	221	**234**	232	224	*123*	232	227	52.6
Females	599	674	**700**	391	670	665	695	677	682	632	*63*	665	674	9.0
DU BOIS	1,397	**1,460**	1,448	1,401	1,381	1,365	1,368	1,401	1,396	1,407	1,409	1,382	*1,348*	92.2
Males	1,350	**1,414**	1,400	1,353	1,332	1,316	1,323	1,356	1,351	1,360	1,360	1,335	*1,300*	91.9
Females	47	**46**	48	48	**49**	**49**	*45*	*45*	*45*	47	**49**	47	46	91.8
DUNMORE	1,360	1,401	1,394	1,331	1,339	1,338	1,196	1,370	1,392	1,418	*1,275*	1,425	**1,441**	88.5
Males	1,121	1,149	1,130	1,099	1,110	1,110	*975*	1,128	1,134	**1,164**	1,142	1,155	1,156	83.8
Females	239	252	264	232	229	228	221	242	258	254	*133*	270	**285**	46.7
EASTON	4,672	*4,339*	4,395	4,427	4,436	4,556	4,664	4,741	4,712	4,855	4,903	4,966	**5,070**	85.6
Males	3,480	3,261	3,251	3,242	*3,237*	3,348	3,479	3,522	3,528	3,639	3,697	3,739	**3,817**	84.8
Females	1,192	*1,078*	1,144	1,185	1,199	1,208	1,185	1,219	1,184	1,216	1,206	1,227	**1,253**	86.0
ERIE	13,297	13,007	13,136	13,032	*12,296*	12,339	12,461	13,024	13,617	13,819	14,035	14,369	**14,429**	85.2
Males	11,586	11,418	11,540	11,402	*10,661*	10,714	10,840	11,359	11,869	11,979	12,180	12,481	**12,589**	84.7
Females	1,711	*1,589*	1,596	1,630	1,635	1,625	1,621	1,665	1,748	1,840	1,855	1,888	**1,840**	84.2
GREENSBURG	653	**812**	638	648	639	620	*592*	619	626	652	675	676	639	72.9
Males	583	**724**	569	582	572	555	*525*	551	556	580	605	607	570	72.5
Females	70	**88**	69	66	67	*65*	67	68	70	72	70	69	69	73.9
HARRISBURG	10,522	**12,215**	11,016	*9,701*	9,750	10,075	10,187	10,163	10,119	10,477	10,668	10,834	11,059	79.4
Males	7,890	**9,510**	8,351	*7,097*	7,224	7,535	7,646	7,597	7,574	7,823	7,949	8,091	8,283	74.6
Females	2,632	2,705	2,665	2,604	*2,526*	2,540	2,541	2,566	2,545	2,654	2,719	2,743	**2,776**	91.0
HAZLETON	3,815	**4,949**	3,597	3,510	3,451	*3,370*	3,405	3,582	3,816	3,884	3,989	4,116	4,111	68.1
Males	1,570	**2,973**	1,598	1,478	1,393	1,321	*1,281*	1,409	1,438	1,440	1,464	1,526	1,519	43.1
Females	2,245	*1,976*	1,999	2,032	2,058	2,049	2,124	2,173	2,378	2,444	2,525	2,590	**2,592**	76.2
HOMESTEAD	513	*449*	453	484	505	525	559	**564**	546	541	516	510	504	79.6
Males	442	400	*393*	413	425	445	480	**488**	467	467	446	445	435	80.5
Females	71	*49*	60	71	**80**	**80**	79	76	79	74	70	65	69	61.3
JEANNETTE	1,990	1,783	1,757	*1,721*	1,731	1,771	1,795	1,874	2,304	2,274	2,282	2,278	**2,310**	74.5
Males	1,752	1,571	1,545	*1,515*	1,523	1,553	1,589	1,671	**2,040**	2,011	1,994	1,999	2,013	74.3
Females	238	212	212	206	208	218	206	*203*	264	263	288	279	**297**	68.4
JOHNSTOWN	12,855	**16,908**	14,370	14,183	13,850	12,771	14,252	15,119	15,571	15,539	*3,417*	5,458	12,772	20.2
Males	12,448	**16,546**	13,993	13,794	13,463	12,385	13,859	14,720	15,152	15,162	*3,000*	4,998	12,304	18.1
Females	407	*362*	377	389	387	386	393	399	419	427	417	460	**468**	77.4
LANCASTER	9,444	8,983	8,971	8,982	*8,938*	9,252	9,300	9,349	9,524	9,669	10,024	10,115	**10,221**	87.4
Males	6,345	6,025	5,938	5,914	*5,883*	6,158	6,240	6,277	6,487	6,559	6,779	6,854	**7,026**	83.7
Females	3,099	*2,958*	3,033	3,068	3,055	3,094	3,060	3,072	3,037	3,110	3,245	**3,261**	3,195	90.7
LEBANON	5,651	6,309	**6,329**	6,312	5,299	*4,852*	5,074	5,224	5,436	5,622	5,267	5,911	6,177	76.7
Males	3,820	4,561	**4,583**	4,570	3,550	*3,096*	3,173	3,393	3,591	3,682	3,440	3,974	4,227	67.6
Females	1,831	1,748	1,746	*1,742*	1,749	1,756	1,901	1,831	1,845	1,940	1,827	1,937	**1,950**	89.3
MCKEESPORT	11,909	**12,974**	12,739	12,748	11,380	11,199	12,095	12,819	12,666	*9,625*	10,112	12,028	12,523	74.2
Males	11,644	**12,668**	12,440	12,446	11,098	10,915	11,818	12,536	12,391	*9,479*	9,956	11,752	12,229	74.8
Females	265	**306**	299	302	282	284	277	283	275	*146*	156	276	294	47.7
MCKEES ROCKS	3,114	3,037	3,039	3,004	2,912	*2,744*	2,921	3,055	3,232	3,202	3,324	3,390	**3,508**	78.2
Males	2,847	2,814	2,808	2,739	2,655	*2,485*	2,674	2,780	2,924	2,906	3,035	3,116	**3,228**	77.0
Females	267	*223*	231	265	257	259	247	275	308	296	289	274	280	72.4
MAHANOY CITY	450	389	377	*374*	378	418	436	476	508	**519**	505	508	512	72.1
Males	138	126	*121*	124	129	133	150	158	**159**	143	142	137	134	76.1
Females	312	263	256	250	*249*	285	286	318	349	376	363	371	**378**	65.9
MEADVILLE	1,841	**2,018**	1,993	1,892	1,775	1,771	*1,684*	1,730	1,809	1,815	1,840	1,811	1,954	83.4
Males	1,494	1,589	1,542	1,451	1,457	1,446	*1,402*	1,448	1,503	1,511	1,513	1,461	**1,605**	87.4
Females	347	429	**451**	441	318	325	*282*	*282*	306	304	327	350	349	62.5
MOUNT CARMEL	1,221	1,110	*1,086*	1,179	1,149	1,189	1,207	1,326	1,284	1,242	1,272	1,263	**1,345**	80.7
Males	278	*215*	218	250	270	284	269	281	283	295	306	318	**347**	62.0
Females	943	895	*868*	929	879	905	938	**1,045**	1,001	947	966	945	998	83.0
NANTICOKE	1,029	931	960	*895*	918	964	1,026	1,049	1,096	1,106	1,094	1,134	**1,175**	76.2
Males	160	*128*	130	129	136	151	167	163	181	184	178	182	**191**	67.0
Females	869	803	830	*766*	782	813	859	886	915	922	916	952	**984**	77.8
NEW CASTLE	8,014	7,920	8,128	7,386	*7,023*	7,253	7,460	8,367	8,608	7,873	8,767	8,604	**8,779**	80.0
Males	7,469	7,428	7,588	6,856	*6,579*	6,777	6,947	7,788	7,990	7,286	8,169	8,021	**8,199**	80.2
Females	545	492	540	530	*444*	476	513	579	**618**	587	598	583	580	71.8
NEW KENSINGTON	3,704	3,466	*3,347*	3,431	3,407	3,573	3,808	4,079	**4,145**	3,782	3,494	3,864	4,052	80.7
Males	3,268	2,945	*2,913*	3,012	3,003	3,179	3,412	3,632	**3,657**	3,347	3,078	3,432	3,606	79.7
Females	436	**521**	434	419	404	*394*	396	447	488	435	416	432	446	75.6
NORRISTOWN	3,534	3,343	*3,308*	3,359	3,356	3,427	3,447	3,584	3,641	3,663	3,721	3,761	**3,798**	87.1
Males	2,155	2,058	*2,018*	2,053	2,033	2,071	2,113	2,181	2,237	2,255	2,261	2,274	**2,306**	87.5
Females	1,379	*1,285*	1,290	1,306	1,323	1,356	1,334	1,403	1,404	1,408	1,460	1,487	**1,492**	86.1
OIL CITY	3,306	3,098	3,201	3,162	*3,063*	3,079	3,193	3,335	3,406	3,451	3,511	3,572	**3,601**	85.1
Males	3,225	3,000	3,110	3,080	*2,980*	2,995	3,113	3,254	3,330	3,376	3,438	3,497	**3,527**	84.5
Females	81	**98**	91	82	83	84	80	81	76	75	*73*	75	74	74.5

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

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

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
OLD FORGE	262	256	*239*	243	245	256	263	264	267	262	264	291	**294**	81.3
Males	30	27	25	*23*	25	25	26	29	27	27	29	44	53	43.4
Females	232	229	*214*	220	220	231	237	235	240	235	235	**247**	241	86.6
PHILADELPHIA	281,105	270,112	266,849	*265,486*	268,099	272,738	276,942	282,637	286,586	291,047	294,619	297,773	**300,372**	88.4
Males	199,466	193,585	191,336	*189,487*	190,418	192,852	196,590	200,059	203,985	206,461	207,596	209,416	**211,857**	89.4
Females	81,639	76,527	*75,513*	76,049	77,681	79,886	80,352	82,578	82,601	84,586	87,023	88,357	**88,515**	85.3
PHOENIXVILLE	2,410	2,393	2,388	*2,317*	2,320	2,318	2,399	2,405	**2,516**	2,491	2,454	2,449	2,470	92.1
Males	1,951	1,979	1,957	1,906	1,902	*1,888*	1,954	1,950	**2,005**	1,990	1,961	1,947	1,973	94.2
Females	459	414	431	*411*	418	430	445	455	**511**	501	493	502	497	80.4
PITTSBURGH	83,290	**88,435**	85,955	83,057	78,906	*77,161*	78,518	82,760	84,552	84,966	82,990	85,322	86,858	87.3
Males	73,292	**78,633**	76,382	73,402	69,315	*67,724*	68,870	72,616	74,239	74,698	72,510	74,735	76,380	86.1
Females	9,998	9,802	9,573	9,655	9,591	*9,437*	9,648	10,144	10,313	10,268	10,480	**10,587**	10,478	89.1
PITTSTON	974	1,008	973	949	871	*865*	909	918	985	991	1,053	1,065	**1,103**	78.2
Males	465	430	443	435	421	*418*	457	435	476	473	501	533	**558**	74.9
Females	509	**578**	530	514	450	*446*	452	483	509	518	552	532	545	77.0
PLYMOUTH	588	476	472	487	*446*	521	632	656	645	641	698	**702**	680	63.5
Males	174	155	157	155	*154*	178	181	187	174	176	187	186	198	77.8
Females	414	321	315	332	*292*	343	451	469	471	465	511	**516**	482	56.6
POTTSTOWN	4,099	4,446	4,196	3,911	3,756	*3,677*	3,836	3,977	3,835	4,069	4,231	4,567	**4,687**	78.5
Males	3,197	3,594	3,347	3,057	2,876	*2,825*	2,963	3,077	2,959	3,193	3,248	3,553	**3,672**	76.9
Females	902	852	*849*	854	880	852	873	900	876	876	983	1,014	1,015	83.6
POTTSVILLE	2,977	3,011	3,002	2,944	2,957	2,935	*2,892*	2,951	2,977	3,003	3,014	2,984	**3,054**	94.7
Males	1,946	1,973	1,935	1,927	1,929	1,946	*1,884*	1,909	1,938	1,960	1,978	1,962	**2,011**	93.7
Females	1,031	1,038	1,067	1,017	1,028	*989*	1,008	1,042	1,039	1,043	1,036	1,022	1,043	92.7
PUNXSUTAWNEY	457	**680**	668	679	428	447	460	*341*	348	354	361	368	350	50.1
Males	384	607	594	**608**	355	375	388	*293*	275	280	290	293	275	44.1
Females	73	73	74	*71*	73	72	72	73	73	74	*71*	75	75	94.7
READING	29,122	27,923	27,847	27,293	*26,613*	26,630	27,910	29,374	30,588	29,551	31,517	31,993	**32,225**	82.6
Males	20,880	20,251	19,988	19,475	18,808	*18,678*	19,639	20,647	22,111	21,214	22,883	23,323	**23,543**	79.3
Females	8,242	*7,672*	7,859	7,818	7,805	7,952	8,271	**8,727**	8,477	8,337	8,634	8,670	8,682	87.9
SCRANTON	14,467	14,088	*13,693*	13,862	14,023	14,588	14,878	15,052	14,917	14,269	14,171	14,833	**15,230**	89.9
Males	8,300	8,045	*7,937*	7,937	8,017	8,327	8,456	8,545	8,546	8,296	8,376	8,557	**8,561**	92.7
Females	6,167	6,043	*5,756*	5,925	6,006	6,261	6,422	6,507	6,371	5,973	5,795	6,276	**6,669**	86.3
SHAMOKIN	3,251	3,562	3,508	3,574	3,591	3,733	1,956	*1,902*	1,905	3,576	3,795	3,875	**4,035**	47.1
Males	1,160	1,184	1,182	1,174	1,216	1,244	767	759	*732*	1,258	1,437	1,466	**1,501**	48.8
Females	2,091	2,378	2,326	2,400	2,375	2,489	1,189	*1,143*	1,173	2,318	2,358	2,409	**2,534**	45.1
SHARON	2,707	**3,457**	3,078	3,022	2,817	2,635	2,687	*1,967*	2,079	2,210	2,740	2,963	2,829	56.9
Males	2,626	**3,381**	3,004	2,941	2,734	2,552	2,601	*1,886*	2,004	2,129	2,657	2,878	2,745	55.8
Females	81	76	74	81	83	83	**86**	81	75	81	83	85	84	86.0
SHENANDOAH	759	754	775	754	*729*	738	754	742	743	760	778	787	**794**	91.8
Males	203	199	202	202	200	*197*	203	201	203	203	212	205	209	92.9
Females	556	555	573	552	*529*	541	551	541	540	557	566	582	**585**	90.4
SUNBURY	2,128	2,102	2,117	2,191	2,270	2,317	2,402	2,480	2,076	*1,208*	1,580	2,274	**2,519**	48.0
Males	1,550	1,492	1,482	1,531	1,599	1,636	1,678	1,747	1,630	*987*	1,181	1,727	**1,910**	51.7
Females	578	610	635	660	671	681	724	733	446	*221*	399	547	609	30.2
TAMAQUA	806	700	*643*	656	749	808	829	881	**894**	872	876	881	883	71.9
Males	378	378	374	376	**388**	386	383	385	**388**	*366*	369	371	372	94.3
Females	428	322	*269*	280	361	422	446	496	506	506	507	510	**511**	52.6
UNIONTOWN	573	539	*520*	564	572	577	**630**	594	542	537	580	607	614	82.5
Males	548	510	*497*	537	544	552	**605**	568	520	513	557	584	589	82.1
Females	25	**29**	23	27	28	25	25	26	*22*	24	23	23	25	75.9
WARREN	2,154	1,989	*1,983*	1,987	2,034	2,062	2,150	2,295	2,066	2,055	2,303	2,406	**2,518**	78.8
Males	1,914	1,823	1,827	1,839	1,876	1,872	1,937	2,017	1,791	*1,738*	1,984	2,067	**2,197**	79.1
Females	240	166	156	*148*	158	190	213	278	275	317	319	339	321	43.7
WASHINGTON	2,880	2,722	*2,566*	2,693	2,582	2,675	2,984	2,851	2,776	2,917	3,055	3,314	**3,425**	74.9
Males	2,669	2,510	*2,383*	2,501	2,399	2,485	2,759	2,660	2,569	2,715	2,844	3,045	**3,158**	75.5
Females	211	212	*183*	192	*183*	190	225	191	207	202	211	269	267	68.0
WEST CHESTER	1,005	*915*	923	928	970	975	1,000	1,026	1,063	1,062	1,048	1,057	**1,093**	83.7
Males	844	*774*	784	790	832	835	861	877	881	872	862	870	**890**	87.0
Females	161	141	139	*138*	*138*	140	139	149	182	190	186	187	**203**	68.0
WILKES-BARRE	9,408	9,161	9,071	9,101	9,048	9,095	9,343	9,565	9,743	9,667	*8,568*	10,181	**10,353**	82.8
Males	6,045	5,861	5,750	5,742	*5,726*	5,765	5,880	6,026	6,140	6,159	6,164	6,626	**6,701**	85.4
Females	3,363	3,300	3,321	3,359	3,322	3,330	3,463	3,539	3,603	3,508	*2,404*	3,555	**3,652**	65.8
WILKINSBURG	323	257	*252*	273	298	327	393	400	369	351	334	303	319	63.0
Males	304	239	*236*	257	282	310	373	375	349	331	314	283	299	62.9
Females	19	18	*16*	*16*	*16*	17	20	**25**	20	20	20	20	20	64.0
WILLIAMSPORT	8,566	8,054	8,144	8,026	*7,875*	8,042	8,328	8,726	8,836	8,940	9,171	9,317	**9,333**	84.4
Males	6,447	*5,861*	5,988	5,984	5,968	6,155	6,335	6,595	6,683	6,766	6,906	7,022	**7,101**	82.5
Females	2,119	2,193	2,156	2,042	1,907	*1,887*	1,993	2,131	2,153	2,174	2,265	**2,295**	2,232	82.2
YORK	13,368	12,672	12,728	12,522	*12,472*	12,632	13,021	13,466	13,532	13,827	14,232	14,616	**14,696**	84.9
Males	9,620	9,044	9,053	8,963	*8,889*	9,090	9,322	9,596	9,712	10,032	10,361	10,658	**10,720**	82.9
Females	3,748	3,628	3,675	3,559	3,583	*3,542*	3,699	3,870	3,820	3,795	3,871	3,958	**3,976**	89.1
ALL OTHER CITIES [1]	39,113	**44,863**	41,925	40,133	39,252	38,424	38,664	41,124	42,066	39,693	*29,439*	35,141	38,632	65.6
Males	37,814	**43,297**	40,555	38,893	38,032	37,244	37,504	39,936	40,810	38,410	*28,111*	33,757	37,219	64.9
Females	1,299	**1,566**	1,370	1,240	1,220	1,180	*1,160*	1,188	1,256	1,283	1,328	1,384	1,413	74.1

[1] All other cities embrace: Berwick, Coatesville, Donora, Duquesne, Farrell, Monessen, North Braddock, Olyphant, Steelton, Swissvale, and Woodlawn.

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

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries	1919	1,135,837	144,123	44,822	292,039	186,672	128,114	178,892	98,314	62,861
	1914	924,478	(2)	(2)	81,406	105,238	296,241	228,256	133,894	79,443
	1909	877,543	(2)	(2)	61,599	46,263	109,826	301,893	258,257	99,705
Automobile bodies and parts	1919	10,274	43	21	1,967	1,322	364	5,903	653	1
	1914	1,440	(2)	(2)	11	34	238	1,029	123	5
Automobiles	1919	4,434	8	2	900	803	3	2,664	54	.....
	1914	1,643	(2)	(2)	4	620	57	932	12	18
Automobile repairing	1919	5,225	437	47	940	1,365	1,105	437	783	111
	1914	1,603	(2)	(2)	19	58	723	455	324	24
Boots and shoes, not including rubber boots and shoes	1919	13,317	205	66	2,675	3,515	3,638	2,876	342	.....
	1914	18,184	(2)	(2)	1,312	1,413	5,929	4,473	57	.....
Boxes, paper and other, not elsewhere specified	1919	5,209	265	82	1,273	2,081	1,286	242	.....	.....
	1914	5,140	(2)	(2)	621	544	3,208	690	77	.....
Brass, bronze, and copper products	1919	4,053	185	120	1,057	902	481	780	528	.....
	1914	1,940	(2)	(2)	52	159	721	944	64	.....
Bread and other bakery products	1919	16,410	416	2,678	5,780	2,443	2,978	602	1,281	232
	1914	15,157	(2)	(2)	1,482	442	5,181	1,926	5,022	1,104
Brick and tile, terra-cotta, and fire-clay products	1919	15,897	393	31	3,049	1,245	2,787	2,370	5,964	58
	1914	17,412	(2)	(2)	1,645	473	2,769	2,925	9,519	81
Carpets and rugs, other than rag	1919	7,626	9	.....	6,931	566	.....	58	62	.....
	1914	9,569	(2)	(2)	23	1,869	3,275	4,376	26	.....
Cars and general shop construction and repairs by electric-railroad companies.	1919	4,122	.....	.....	173	2,809	254	156	445	285
	1914	2,972	(2)	(2)	3	14	166	1,878	359	552
Cars and general shop construction and repairs by steam-railroad companies.	1919	78,749	107	996	55,051	7,545	37	14,571	115	327
	1914	54,729	(2)	(2)	9,489	7,764	4,977	26,552	3,313	2,634
Cars, steam-railroad, not including operations of railroad companies.	1919	11,675	939	3,261	170	6,067	196	1,042	.....	.....
	1914	9,955	.....	.....	.....	.....	222	9,353	380	.....
Cement	1919	7,443	.....	.....	8	.....	3	3,897	1,139	2,396
	1914	7,910	.....	.....	.....	.....	.....	.....	3,262	4,648
Chemicals	1919	7,134	63	.....	3,703	1,096	254	373	1,380	265
	1914	4,748	(2)	(2)	48	14	.....	1,359	873	2,454
Clothing, men's	1919	12,855	7,655	550	1,998	1,159	1,065	309	119	.....
	1914	10,236	(2)	(2)	1,200	2,063	5,092	838	141	2
Clothing, women's	1919	14,364	7,675	814	2,441	3,130	304	.....	.....	.....
	1914	17,217	(2)	(2)	2,119	9,223	5,449	410	16	.....
Coke, not including gas-house coke	1919	11,536	232	15	5,816	109	1,157	95	370	3,742
	1914	9,871	(2)	(2)	636	57	5,382	248	1,894	1,654
Confectionery and ice cream	1919	11,010	320	167	915	1,600	4,119	2,382	503	914
	1914	8,038	(2)	(2)	355	943	3,643	1,618	766	713
Cotton goods	1919	9,767	58	38	4,644	2,457	2,444	114	12	.....
	1914	9,158	(2)	(2)	10	53	7,239	1,856	.....	.....
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	7,381	889	46	2,076	2,007	1,157	973	233	.....
	1914	6,389	(2)	(2)	184	166	1,301	3,097	1,641	.....
Electrical machinery, apparatus, and supplies	1919	24,228	301	41	12,491	7,945	1,891	1,552	3	4
	1914	14,866	(2)	(2)	60	458	10,331	3,621	396	.....
Engines, steam, gas, and water	1919	9,711	203	.....	7,055	1,150	354	693	256	.....
	1914	5,222	(2)	(2)	213	217	2,562	1,410	788	32
Foundry and machine-shop products [3]	1919	79,009	3,634	886	21,317	12,295	12,554	21,962	5,714	647
	1914	57,116	(2)	(2)	1,569	3,963	18,306	22,092	10,568	18
Furniture	1919	10,954	380	10	1,371	1,916	845	5,509	923	.....
	1914	11,760	(2)	(2)	1,299	767	1,744	5,482	2,309	159
Glass	1919	21,602	4,002	1,172	7,905	5,104	1,146	503	1,361	409
	1914	23,606	(2)	(2)	4,494	7,235	2,734	2,114	2,859	4,170
Hardware	1919	4,112	15	.....	536	298	602	2,538	123	.....
	1914	5,112	(2)	(2)	178	948	1,550	2,039	397	.....
Hats, fur-felt	1919	5,414	193	4,548	517	156	.....	.....	.....	.....
	1914	6,714	(2)	(2)	265	5,722	545	182	.....	.....
Iron and steel, blast furnaces	1919	14,619	1,034	.....	.....	.....	.....	856	1,961	10,768
	1914	11,518	.....	.....	.....	80	1,193	.....	5	10,240
Iron and steel, steel works and rolling mills	1919	171,715	30,427	6,978	25,290	5,256	3,207	29,628	39,429	31,500
	1914	131,955	(2)	(2)	6,521	11,902	14,545	26,948	34,721	37,318
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1919	4,546	856	.....	1,196	47	601	1,686	160	.....
	1914	2,547	(2)	(2)	1,060	33	48	1,156	250	.....
Iron and steel forgings, not made in steel works or rolling mills	1919	6,197	314	834	730	970	64	1,389	1,896	.....
	1914	2,205	(2)	(2)	425	227	198	1,184	94	77

[1] Includes 48 and under for 1914 and 1909.
[2] Corresponding figures not available.
[3] Includes "iron and steel, tempering and welding"; "machine tools"; "steel barrels, drums, and tanks"; and "textile machinery and parts."

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

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Knit goods	1919	44,150	1,415	454	16,027	9,725	15,400	600	535	.....
	1914	41,130	(2)	(2)	807	1,533	34,353	4,073	304	.....
Leather, tanned, curried, and finished	1919	13,749	512	.....	7,146	3,142	1,434	1,253	262	.....
	1914	11,988	(2)	(2)	174	649	856	5,259	5,050	.....
Liquors, malt	1919	5,231	122	.....	4,054	172	374	293	216	.....
	1914	7,512	(2)	(2)	3,641	543	2,110	425	694	99
Lumber and timber products	1919	7,703	195	140	434	378	1,654	718	4,184	.....
	1914	10,754	(2)	(2)	305	287	1,411	884	7,414	453
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	7,191	451	87	2,398	1,269	1,444	1,122	420	.....
	1914	8,586	(2)	(2)	808	1,035	2,878	2,877	902	86
Marble and stone work	1919	3,697	692	63	299	1,332	605	528	128	50
	1914	7,166	(2)	(2)	1,347	3,229	1,184	999	407	.....
Minerals and earths, ground or otherwise treated	1919	4,914	6	12	319	26	172	369	3,699	311
	1914	822	(2)	(2)	6	4	41	125	568	78
Paper and wood pulp	1919	9,843	.....	1,170	3,437	752	28	403	1,877	2,176
	1914	7,447	.....	.....	.....	2	29	1,016	3,244	3,156
Petroleum, refining	1919	8,235	116	.....	73	93	4,502	2,738	35	678
	1914	4,902	.....	.....	.....	.....	3,067	1	575	1,259
Printing and publishing, book and job	1919	10,461	610	149	8,488	983	191	29	9	2
	1914	10,139	(2)	(2)	6,653	2,258	1,129	85	13	1
Printing and publishing, newspapers and periodicals	1919	12,331	851	378	10,065	464	345	187	38	3
	1914	12,750	(2)	(2)	9,878	1,015	1,290	475	82	10
Rubber tires, tubes, and rubber goods, not elsewhere specified	1919	4,880	50	1,786	334	285	8	2,230	187	.....
	1914	3,172	(2)	(2)	12	417	2,704	39	.....	.....
Shipbuilding, including boat building	1919	56,211	55,549	.....	325	239	85	.....	13	.....
	1914	4,773	(2)	(2)	344	4,111	163	118	37	.....
Shirts	1919	8,932	1,001	692	2,047	2,896	1,990	239	67	.....
	1914	10,890	(2)	(2)	465	2,903	7,109	335	78	.....
Silk goods, including throwsters	1919	53,052	1,732	178	7,941	31,993	9,515	1,125	568	.....
	1914	44,755	(2)	(2)	104	772	39,854	3,701	324	.....
Slaughtering and meat packing	1919	4,438	634	453	781	141	618	1,062	735	14
	1914	3,616	(2)	(2)	47	117	122	507	2,386	437
Steam fittings and steam and hot-water heating apparatus	1919	5,919	119	29	1,259	2,142	1,310	687	373	.....
	1914	5,747	(2)	(2)	778	268	882	1,410	2,409	.....
Structural ironwork, not made in steel works or rolling mills	1919	10,722	1,121	173	1,812	948	4,493	2,092	83	.....
	1914	9,308	(2)	(2)	11	1,057	2,901	5,071	268	.....
Tobacco, cigars and cigarettes	1919	30,380	3,263	1,067	2,654	4,248	16,802	2,283	60	3
	1914	36,931	(2)	(2)	4,678	4,176	18,631	9,011	391	44
Tools, not elsewhere specified	1919	3,779	126	49	1,113	676	174	1,432	209	.....
	1914	2,077	(2)	(2)	253	389	74	1,164	197	.....
Woolen goods	1919	7,398	307	.....	3,582	1,492	1,030	733	254	.....
	1914	5,960	(2)	(2)	592	49	2,427	2,655	229	8
Worsted goods	1919	15,400	24	9,586	1,814	3,776	200	.....	.....	.....
	1914	17,892	.....	.....	.....	.....	16,204	1,688	.....	.....
All other industries	1919	196,627	13,969	4,973	35,662	42,142	20,844	52,609	18,493	7,935
	1914	175,229	(2)	(2)	15,206	22,063	47,494	54,551	28,006	7,909
Total for cities	1919	701,136	94,001	23,030	195,625	130,536	73,684	102,442	45,564	36,254
	1914	576,005	(2)	(2)	60,645	76,565	194,378	149,798	55,448	39,171
ALLENTOWN	1919	14,812	1,526	197	1,045	5,505	1,997	3,921	583	38
	1914	13,685	(2)	(2)	740	1,202	5,826	4,113	1,591	213
ALTOONA	1919	12,800	96	9	10,595	820	49	1,087	99	45
	1914	10,732	(2)	(2)	135	30	893	9,312	304	58
AMBRIDGE	1919	3,414	5	163	14	55	2,777	392	5	3
BEAVER FALLS	1919	3,204	6	131	133	53	1,467	1,374	5	35
	1914	2,639	(2)	(2)	49	219	694	797	844	36
BETHLEHEM	1919	14,961	11,221	25	165	1,348	1,183	314	19	686
	1914	12,388	(2)	(2)	58	3	2,821	8,827	416	263
BRADDOCK	1919	1,170	24	176	299	26	37	7	2	599
	1914	1,140	(2)	(2)	240	133	99	56	572	40
BRADFORD	1919	1,539	148	.....	500	115	620	98	20	38
	1914	1,178	(2)	(2)	90	7	596	150	313	22
BRISTOL	1919	1,470	52	.....	274	13	1,020	1	110	.....
	1914	1,809	(2)	(2)	5	30	1,145	484	124	21
BUTLER	1919	3,744	1	.....	131	2,452	235	242	628	55
	1914	3,303	(2)	(2)	85	283	175	1,947	776	37

[1] Includes 48 and under for 1913 and 1909.

[2] Corresponding figures not available.

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INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
CANONSBURG	1919	2,971	.....	.....	2,378	338	210	12	33	.....
CARBONDALE	1919	861	2	20	54	679	12	53	13	28
	1914	1,897	(2)	(2)	90	77	1,333	377	20	.....
CARLISLE	1919	1,422	.....	20	130	437	315	377	136	7
	1914	1,603	(2)	(2)	2	37	633	558	370	3
CARNEGIE	1919	222	.....	27	51	21	99	.....	15	9
	1914	337	(2)	(2)	72	4	231	.....	20	10
CARRICK	1919	16	10	.....	3	.....	.....	3	.....	.....
CHAMBERSBURG	1919	1,996	7	259	819	122	153	544	85	7
	1914	1,650	(2)	(2)	20	866	382	308	59	15
CHARLEROI	1919	2,023	7	.....	518	1,411	38	31	6	12
	1914	1,904	(2)	(2)	49	1,551	174	.....	118	12
CHESTER	1919	18,677	11,595	313	827	1,137	1,980	2,070	443	312
	1914	6,295	(2)	(2)	108	691	2,426	1,599	978	493
COLUMBIA	1919	2,322	6	8	194	1,086	168	397	446	17
	1914	2,141	(2)	(2)	101	20	933	589	479	19
CONNELLSVILLE	1919	1,623	.....	.....	752	476	323	43	24	5
	1914	1,087	(2)	(2)	106	63	748	76	94	.....
DICKSON CITY	1919	806	.....	.....	35	590	181	.....	.....	.....
DU BOIS	1919	1,397	8	.....	130	10	162	1,029	58	.....
	1914	1,105	(2)	(2)	865	.....	60	94	77	9
DUNMORE	1919	1,360	.....	3	1,037	280	22	.....	2	16
	1914	948	(2)	(2)	57	37	668	180	6	.....
EASTON	1919	4,672	530	134	751	2,804	254	141	46	12
	1914	4,062	(2)	(2)	324	132	2,035	416	159	496
ERIE	1919	13,297	480	612	3,027	1,279	1,020	3,925	2,919	35
	1914	11,016	(2)	(2)	1,766	458	1,440	3,485	3,232	635
GREENSBURG	1919	653	160	.....	46	354	87	6	.....	.....
	1914	494	(2)	(2)	38	258	139	.....	56	3
HARRISBURG	1919	10,522	76	29	4,033	1,528	1,262	1,003	310	2,281
	1914	7,966	(2)	(2)	557	1,281	2,635	2,404	568	521
HAZLETON	1919	3,815	22	7	944	2,424	324	70	24	.....
	1914	2,744	(2)	(2)	111	459	2,049	38	87	.....
HOMESTEAD	1919	513	18	.....	133	104	80	174	3	1
	1914	260	(2)	(2)	57	52	122	18	8	3
JEANNETTE	1919	1,990	569	225	742	408	29	2	15	.....
JOHNSTOWN	1919	12,855	120	3	8,884	77	493	453	1,433	1,392
	1914	12,177	(2)	(2)	104	187	531	198	2,144	9,013
LANCASTER	1919	9,444	346	50	564	2,635	1,912	3,769	159	9
	1914	8,862	(2)	(2)	518	629	3,551	3,787	219	158
LEBANON	1919	5,651	1,989	38	250	465	1,731	433	58	687
	1914	5,270	(2)	(2)	2,588	176	1,942	231	77	256
MCKEESPORT	1919	11,909	826	294	3,202	20	70	514	679	6,304
	1914	6,857	(2)	(2)	146	37	843	330	323	5,178
MCKEES ROCKS	1919	3,114	2	.....	1,975	410	1	67	174	485
	1914	3,548	(2)	(2)	286	1,236	412	833	446	335
MAHANOY CITY	1919	450	1	96	174	121	56	.....	2	.....
	1914	661	(2)	(2)	77	75	409	2	88	10
MEADVILLE	1919	1,841	105	3	889	206	158	440	35	5
	1914	1,676	(2)	(2)	143	514	590	362	64	3
MOUNT CARMEL	1919	1,221	.....	36	658	2	520	4	1	.....
	1914	978	(2)	(2)	20	201	666	67	24	.....
NANTICOKE	1919	1,029	.....	2	49	262	699	17	.....	.....
	1914	747	(2)	(2)	47	16	656	.....	21	7
NEW CASTLE	1919	8,014	3,403	760	456	827	147	313	2,089	19
	1914	6,381	(2)	(2)	482	285	2,969	470	1,068	1,107

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

[2] Corresponding figures not available.

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

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
NEW KENSINGTON	1919	3,704	117	.....	121	2,990	177	236	63	.....
NORRISTOWN	1919	3,534	10	7	245	1,622	971	586	77	16
	1914	3,959	(2)	(2)	27	50	2,199	1,390	274	19
OIL CITY	1919	3,306	90	1	647	2,455	78	.....	6	29
	1914	2,276	(2)	(2)	107	.....	46	2,099	11	13
OLD FORGE	1919	262	.....	.....	4	255	3	.....	.....	.....
PHILADELPHIA	1919	281,105	40,943	10,245	102,319	54,045	22,591	41,945	6,194	2,823
	1914	251,286	(2)	(2)	28,533	47,417	90,366	64,844	14,401	5,725
PHOENIXVILLE	1919	2,410	.....	.....	195	102	330	1,693	86	4
	1914	2,927	(2)	(2)	23	1	499	2,317	79	8
PITTSBURGH	1919	83,290	2,993	3,248	18,782	16,377	8,258	13,053	13,818	6,761
	1914	69,620	(2)	(2)	8,397	7,166	25,174	14,995	8,173	5,715
PITTSTON	1919	974	23	.....	546	256	119	.....	30	.....
	1914	729	(2)	(2)	83	.....	588	3	36	19
PLYMOUTH	1919	588	7	.....	31	545	.....	.....	5	.....
	1914	478	(2)	(2)	17	19	429	.....	13	.....
POTTSTOWN	1919	4,099	3	.....	259	371	1,313	1,039	355	759
	1914	2,622	(2)	(2)	39	102	972	446	361	702
POTTSVILLE	1919	2,977	9	20	1,429	153	1,054	249	49	14
	1914	3,506	(2)	(2)	103	65	1,786	2	1,536	14
PUNXSUTAWNEY	1919	457	.....	1	86	.....	198	76	20	76
	1914	710	(2)	(2)	292	4	204	5	57	148
READING	1919	29,122	3,402	472	4,814	3,572	7,065	8,226	457	1,114
	1914	24,131	(2)	(2)	5,146	3,562	7,488	6,289	1,177	469
SCRANTON	1919	14,467	877	195	5,697	6,862	503	165	152	16
	1914	12,559	(2)	(2)	3,063	1,390	5,101	2,250	505	250
SHAMOKIN	1919	3,251	35	.....	2,855	8	253	100	.....	.....
	1914	2,634	(2)	(2)	31	45	2,433	45	39	41
SHARON	1919	2,707	5	741	966	16	48	34	.....	897
	1914	2,298	(2)	(2)	1,054	473	97	4	498	172
SHENANDOAH	1919	759	198	1	143	199	153	6	54	5
	1914	475	(2)	(2)	14	110	247	40	64	.....
SUNBURY	1919	2,128	1	.....	361	839	806	57	27	37
	1914	1,718	(2)	(2)	30	5	934	186	534	29
TAMAQUA	1919	806	17	11	485	67	38	175	4	9
	1914	974	(2)	(2)	82	19	710	76	84	3
UNIONTOWN	1919	573	2	60	199	.....	296	.....	13	3
	1914	776	(2)	(2)	245	30	17	33	447	4
WARREN	1919	2,154	85	.....	307	758	287	607	110	.....
	1914	1,876	(2)	(2)	92	.....	612	721	398	53
WASHINGTON	1919	2,880	1,959	2	371	97	81	103	223	44
	1914	2,002	(2)	(2)	118	244	168	1,111	307	54
WEST CHESTER	1919	1,005	4	.....	65	559	102	238	13	24
	1914	894	(2)	(2)	6	451	140	196	68	33
WILKES-BARRE	1919	9,408	196	1,039	4,020	3,319	722	38	34	40
	1914	8,107	(2)	(2)	886	223	4,992	1,769	183	54
WILKINSBURG	1919	323	17	.....	95	97	22	25	.....	67
	1914	194	(2)	(2)	62	29	61	38	4	.....
WILLIAMSPORT	1919	8,566	354	5	2,263	2,041	1,742	1,590	289	282
	1914	6,015	(2)	(2)	648	384	1,688	1,910	1,227	158
YORK	1919	13,368	25	61	995	1,520	3,607	4,360	2,719	81
	1914	10,851	(2)	(2)	715	508	3,442	4,336	1,802	48
ALL OTHER CITIES[3]	1919	39,113	9,268	3,281	464	511	976	4,515	10,087	10,011
	1914	22,848	(2)	(2)	196	3,019	3,159	2,585	7,425	6,464

[1] Includes 48 and under for 1914 and 1919.
[2] Corresponding figures not available.
[3] All other cities embrace: Berwick, Coatesville, Donora, Duquesne, Farrell, Monessen, North Braddock, Olyphant, Steelton, Swissvale, and Woodlawn in 1919; and Coatesville, Dickson City, Duquesne, Farrell, Monessen, North Braddock, Old Forge, and Steelton in 1914.

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

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
			No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	27,973	1,135,837	4,109	12,507	27,808	5,150	58,449	2,718	90,226	1,491	106,175	1,207	188,804	445	156,421	204	139,952	142	368,002
Automobile bodies and parts	177	10,274	15	72	175	51	570	16	529	6	460	12	1,671	2	677	1	859	2	5,333
Automobiles	25	4,434	.....	8	26	2	33	3	106	4	239	1	181	5	1,619	....	.....	2	2,230
Automobile repairing	1,359	5,225	157	1,004	2,074	163	1,545	26	814	6	457	3	335	....	.....	....	.....	....	.....
Boots and shoes, not including rubber boots and shoes	128	13,317	.....	12	28	20	271	33	1,269	25	1,809	23	3,485	12	3,958	3	2,497	....	.....
Boxes, paper and other, not elsewhere specified	150	5,209	1	20	63	53	702	45	1,569	24	1,601	6	989	1	285	....	.....	....	.....
Brass, bronze, and copper products	125	4,053	5	47	133	36	389	19	732	7	514	8	1,178	2	515	1	592	....	.....
Bread and other bakery products	2,651	16,410	434	1,792	3,783	319	3,018	64	2,021	19	1,297	16	2,357	4	1,334	2	1,556	1	1,404
Brick and tile, terra-cotta, and fire-clay products	303	15,897	3	25	83	85	1,103	103	3,545	44	3,104	38	5,651	3	1,146	2	1,265	....	.....
Carpets and rugs, other than rag	48	7,626	.....	3	10	7	98	12	398	9	625	10	1,524	4	1,574	1	520	2	2,877
Cars and general shop construction and repairs by electric-railroad companies	80	4,122	.....	37	98	20	227	13	407	5	363	3	375	....	.....	....	.....	2	2,052
Cars and general shop construction and repairs by steam-railroad companies	195	78,749	.....	15	41	17	240	25	870	27	1,948	41	6,710	26	9,250	24	17,534	20	42,156
Cars, steam-railroad, not including operations of railroad companies	15	11,675	.....	.....	.....	2	16	2	54	1	86	3	507	2	772	2	1,764	3	8,476
Cement	22	7,443	.....	1	3	1	8	.....	.....	3	228	10	1,728	4	1,641	1	589	2	3,246
Chemicals	56	7,134	1	8	28	17	198	14	456	4	267	8	1,162	1	377	2	1,229	1	3,417
Clothing, men's	602	12,855	61	201	543	193	2,255	92	3,007	36	2,455	14	1,899	4	1,512	....	.....	1	1,184
Clothing, women's	615	14,364	36	153	443	236	2,830	111	3,651	56	3,955	21	2,899	2	586	....	.....	....	.....
Coke, not including gas-house coke	123	11,536	1	24	78	32	426	25	897	17	1,232	16	2,476	5	1,701	....	.....	3	4,726
Confectionery and ice cream	839	11,010	187	447	956	120	1,292	46	1,553	15	1,084	16	2,690	6	2,016	2	1,419	....	.....
Cotton goods	118	9,767	1	11	33	26	346	33	1,129	23	1,704	17	2,668	4	1,217	2	1,216	1	1,454
Dyeing and finishing textiles, exclusive of that done in textile mills	163	7,381	2	28	76	57	716	46	1,505	16	1,162	8	1,132	4	1,496	2	1,294	....	.....
Electrical machinery, apparatus, and supplies	129	24,228	5	41	116	33	390	18	614	5	359	15	2,367	6	1,992	4	2,890	2	15,500
Engines, steam, gas, and water	34	9,711	.....	5	16	6	66	5	176	5	357	5	773	4	1,439	1	645	3	6,239
Foundry and machine-shop products	1,267	71,087	100	409	1,078	298	3,547	197	6,526	104	7,572	98	15,882	35	12,130	19	12,889	7	11,463
Furniture	335	10,954	32	109	259	72	810	54	1,807	36	2,480	29	4,455	3	1,143	....	.....	....	.....
Glass	102	21,602	.....	2	8	6	99	12	479	24	1,796	30	4,929	21	7,248	4	2,397	3	4,646
Hardware	62	4,112	4	18	47	9	102	14	445	7	556	6	961	2	932	2	1,069	....	.....
Hats, fur-felt	20	5,414	1	8	20	3	32	1	23	3	207	2	269	....	.....	1	510	1	4,353
Iron and steel, blast furnaces	58	14,619	.....	1	4	5	66	1	26	13	1,017	23	3,669	6	1,917	7	4,789	2	3,131
Iron and steel, steel works and rolling mills	198	171,715	.....	4	19	4	50	11	345	19	1,351	31	5,073	46	17,671	35	24,670	48	122,536
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	31	4,546	.....	5	15	4	50	7	262	4	279	5	801	4	1,365	2	1,774	....	.....
Iron and steel forgings, not made in steel works or rolling mills	48	6,197	.....	2	7	11	155	11	290	8	511	11	1,634	3	1,169	1	553	1	1,878
Knit goods	606	44,156	11	61	177	141	1,880	162	5,618	123	8,721	76	12,537	23	7,548	7	4,620	2	3,055
Leather, tanned, curried, and finished	92	13,749	4	3	8	14	189	11	425	19	1,323	24	3,860	12	4,247	5	3,697	....	.....
Liquors, malt	166	5,231	1	9	28	73	1,066	62	1,952	14	1,007	6	908	1	270	....	.....	....	.....
Lumber and timber products	1,334	7,703	72	992	2,035	221	2,183	30	899	10	675	6	885	3	1,026	....	.....	....	.....
Lumber, planing-mill products, not including planing mills connected with sawmills	538	7,191	43	265	659	157	1,777	51	1,518	16	1,164	4	662	....	.....	2	1,411	....	.....
Marble and stone work	489	3,697	105	279	542	52	543	38	1,184	11	821	4	607	....	.....	....	.....	....	.....
Minerals and earths, ground or otherwise treated	105	4,914	1	24	69	35	411	18	546	13	989	9	1,265	5	1,634	....	.....	....	.....
Paper and wood pulp	56	9,843	.....	5	20	11	142	11	342	6	354	10	1,675	7	2,122	5	3,866	1	1,322
Petroleum, refining	53	8,235	.....	5	14	10	120	16	526	14	936	3	484	3	1,307	1	715	1	4,133
Printing and publishing, book and job	1,289	10,461	366	602	1,354	220	2,356	66	2,089	17	1,206	14	2,239	4	1,217	....	.....	....	.....
Printing and publishing, newspapers and periodicals	963	12,331	285	430	1,147	166	1,762	43	1,313	17	1,077	16	2,457	5	1,499	....	.....	1	3,076
Rubber tires, tubes, and rubber goods, not elsewhere specified	31	4,880	.....	11	26	4	48	2	84	7	458	2	463	1	412	3	1,603	1	1,786
Shipbuilding, including boat building	28	56,211	3	7	26	3	36	6	189	2	147	2	312	....	.....	....	.....	5	55,501
Shirts	216	8,932	4	32	106	71	897	55	1,852	32	2,252	19	2,872	3	953	....	.....	....	.....
Silk goods, including throwsters	373	53,052	.....	4	17	35	493	93	3,420	93	6,715	100	15,679	34	11,985	8	5,953	6	8,790
Slaughtering and meat packing	176	4,438	18	91	185	33	392	13	386	9	575	7	1,111	4	1,281	1	508	....	.....
Steam fittings and steam and hot-water heating apparatus	52	5,919	2	3	11	12	151	9	286	11	807	12	1,968	1	434	1	506	1	1,756
Structural ironwork, not made in steel works or rolling mills	145	10,722	6	47	117	38	454	14	496	14	1,021	17	2,870	5	2,217	3	1,938	1	1,609
Tobacco, cigars and cigarettes	1,595	30,380	569	501	1,112	240	2,746	124	4,063	82	5,973	57	8,770	20	6,422	2	1,294	....	.....
Tools, not elsewhere specified	104	3,779	8	35	84	29	325	12	463	10	741	7	1,000	3	1,166	....	.....	....	.....
Woolen goods	108	7,398	4	9	14	21	307	29	980	24	1,798	18	2,704	1	281	2	1,314	....	.....
Worsted goods	89	15,400	2	2	6	7	101	21	803	14	1,053	25	4,104	10	3,460	7	4,799	1	1,074
All other industries	9,287	204,549	1,559	4,578	9,788	1,649	18,420	773	25,287	358	25,287	240	36,942	79	28,528	36	23,208	15	37,359

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

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																	
			No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
Total for cities	16,734	701,136	2,362	7,059	16,555	3,529	40,172	1,726	56,578	839	59,790	708	112,011	282	98,184	136	93,542	93	224,304
ALLENTOWN	336	14,812	51	123	327	62	703	44	1,389	19	1,350	24	3,893	9	3,189	1	524	3	3,431
ALTOONA	64	12,800	6	30	66	12	137	9	289	2	147					1	795	4	11,366
AMBRIDGE	22	3,414	2	11	33	1	7	1	24	2	102	1	103	2	668	1	808	1	1,609
BEAVER FALLS	71	3,204	8	36	69	12	123	5	164	2	155	4	613	2	623	2	1,457		
BETHLEHEM	86	14,961	13	30	78	17	193	6	185	7	504	6	1,127	6	2,014			1	10,860
BRADDOCK	49	1,170	7	24	55	12	115	2	65	1	57	2	310			1	568		
BRADFORD	83	1,539	17	30	63	15	144	11	328	5	365	5	639						
BRISTOL	34	1,470	3	20	29	5	56	2	75	1	86	1	237	1	315	1	672		
BUTLER	77	3,744	9	37	91	20	255	4	95			5	773	1	380			1	2,150
CANONSBURG	32	2,971	9	14	37	3	32	1	30			3	525	1	496			1	1,851
CARBONDALE	43	861	4	26	59	7	94	3	102	1	75	1	216	1	315				
CARLISLE	44	1,422	4	20	38	8	116	4	180	3	178	4	647	1	263				
CARNEGIE	26	222	2	16	38	5	58	2	60	1	57								
CARRICK	5	16	1	3	6	1	10												
CHAMBERSBURG	56	1,996	8	22	47	15	162	4	123	1	63	3	479	2	606	1	516		
CHARLEROI	35	2,023	2	24	41	4	57	2	55			1	118	1	372			1	1,380
CHESTER	127	18,677	8	51	128	23	254	16	517	9	594	10	1,517	6	1,962	1	775	3	12,930
COLUMBIA	56	2,322	7	24	71	10	97	4	136	4	279	5	821	1	386	1	532		
CONNELLSVILLE	51	1,623	6	23	57	13	168	2	52	4	258	1	116	1	335	1	637		
DICKSON CITY	10	806	1	4	7			2	64			1	145	2	590				
DU BOIS	41	1,397	2	26	67	8	76	1	29	3	196							1	1,029
DUNMORE	27	1,360	5	11	32	4	36	5	173			1	122			1	997		
EASTON	102	4,672	11	37	102	28	337	14	434	5	365	2	296	3	1,213	1	771	1	1,154
ERIE	293	13,297	17	131	301	62	730	35	1,114	16	1,198	17	2,682	9	3,074	5	2,924	1	1,274
GREENSBURG	66	653	5	39	87	13	137	7	188			2	241						
HARRISBURG	216	10,522	30	95	210	39	412	20	616	14	1,058	11	1,907	3	942	2	1,471	2	3,846
HAZLETON	74	3,815	8	30	91	21	238	4	110	6	423	2	380	2	631			1	1,942
HOMESTEAD	45	513	9	22	33	9	116	2	62	2	128	1	174						
JEANNETTE	32	1,990	1	18	34	7	93			3	206	1	223	1	294			1	1,140
JOHNSTOWN	149	12,855	11	69	166	38	383	15	462	7	439	4	617	2	723	2	1,579	1	8,486
LANCASTER	285	9,444	47	103	265	72	759	27	956	14	994	14	2,180	4	1,404	3	1,882	1	1,004
LEBANON	103	5,651	17	29	64	23	226	15	481	9	693	7	1,132	3	1,171			1	1,884
MCKEESPORT	82	11,909	6	46	109	15	152	5	158	3	197			3	1,117	2	1,345	2	8,831
MCKEES ROCKS	34	3,114	3	17	38	2	18	3	93	2	161	4	523	2	906			1	1,375
MAHANOY CITY	24	450		14	38	4	47	2	94	4	271								
MEADVILLE	43	1,841	4	17	43	11	125	2	74	2	154	6	787			1	658		
MOUNT CARMEL	35	1,221	8	15	30	4	47	2	45	2	160	3	556	1	383				
NANTICOKE	36	1,029	8	16	29	6	68	2	99	2	164	1	120			1	549		
NEW CASTLE	87	8,014	10	40	98	14	168	8	268	1	79	6	1,136	3	1,099	3	2,132	2	3,034
NEW KENSINGTON	48	3,704	12	20	53	7	57	2	74	2	143	3	399	1	279			1	2,699
NORRISTOWN	100	3,534	15	30	78	22	232	11	365	12	873	8	1,239	2	742				
OIL CITY	37	3,306	3	13	26	12	114	2	87	1	80	2	236	2	780	1	940	1	1,043
OLD FORGE	8	262	1	5	7							2	255						
PHILADELPHIA	9,064	281,105	1,402	3,799	8,692	1,928	22,072	975	32,121	437	30,768	337	53,171	117	40,376	49	32,681	20	61,224
PHOENIXVILLE	32	2,410	3	15	35	4	49	4	125	2	128	3	602					1	1,471
PITTSBURGH	1,875	83,290	236	824	2,036	434	4,935	169	5,456	69	5,031	69	11,352	39	14,039	20	13,646	15	26,795
PITTSTON	40	974	5	16	40	9	100	3	86	6	465			1	283				
PLYMOUTH	21	588	3	9	21	2	27	3	95	2	102	2	283						
POTTSTOWN	86	4,099	8	34	94	19	202	5	156	7	524	8	1,121	4	1,362	1	640		
POTTSVILLE	91	2,977	12	36	86	21	228	14	446	4	251	1	232	1	454	2	1,280		
PUNXSUTAWNEY	36	457	3	18	48	8	83	4	108	3	218								
READING	527	29,122	78	176	397	104	1,173	72	2,464	46	3,430	28	4,023	12	4,138	6	4,363	5	9,134
SCRANTON	311	14,467	34	98	244	79	915	40	1,356	27	1,930	22	3,516	4	1,474	6	3,903	1	1,129
SHAMOKIN	67	3,251	12	29	72	13	134	6	197	3	226	2	235			1	763	1	1,624
SHARON	40	2,707	6	17	49	8	104	3	114	2	145	1	148			3	2,147		
SHENANDOAH	39	759	2	21	57	9	115	2	67	2	113	3	407						
SUNBURY	45	2,128	10	18	45	10	111	3	75	1	54			1	291	2	1,552		
TAMAQUA	31	806	3	13	35	11	132	1	39			2	307	1	293				
UNIONTOWN	48	573	3	28	71	10	140	6	192			1	170						
WARREN	89	2,154	16	31	81	20	256	10	340	6	447	6	1,030						
WASHINGTON	92	2,880	10	63	115	9	97	4	122	3	233	2	360					1	1,953
WEST CHESTER	52	1,005	10	22	58	11	124	6	179			2	297	1	347				
WILKES-BARRE	179	9,408	17	90	226	31	332	16	524	13	885	2	280	4	1,400	4	3,219	2	2,542
WILKINSBURG	49	323	2	36	86	6	65	5	172										
WILLIAMSPORT	145	8,566	12	53	147	31	389	19	577	8	622	15	2,411	5	1,515			2	2,905
YORK	273	13,308	38	86	221	59	735	39	1,360	22	1,586	18	2,490	8	2,808	1	953	2	3,245
ALL OTHER CITIES [1]	228	39,113	36	116	258	28	302	9	283	4	309	10	2,002	6	2,132	8	5,863	11	27,964

[1] All other cities embrace: Berwick, Coatesville, Donora, Duquesne, Farrell, Monessen, North Braddock, Olyphant, Steelton, Swissvale, and Woodlawn.

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

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	27,973	27,521	27,563	1,135,837	924,478	877,543	$7,315,702,867	$2,832,349,437	$2,626,742,034	$3,105,294,239	$1,143,428,721	$1,044,182,046
Less than $5,000	6,197	9,264	9,493	4,020	10,980	12,392	15,473,504	21,808,636	22,574,998	9,619,595	13,577,165	13,719,359
$5,000 to $20,000	8,257	8,598	8,764	24,280	43,762	46,720	89,388,454	87,643,164	90,897,695	48,462,428	47,818,762	48,251,171
$20,000 to $100,000	7,289	5,868	5,802	84,902	124,626	131,163	333,503,421	265,593,740	258,998,545	161,988,397	129,586,957	128,772,576
$100,000 to $500,000	4,113	2,769	3,104	199,349	368,694	370,082	932,559,677	601,258,501	923,159,484	437,015,079	428,291,132	412,461,925
$500,000 to $1,000,000	917	531		120,070			641,104,153	365,765,304		289,634,471		
$1,000,000 and over	1,200	491	400	703,216	376,416	317,186	5,303,673,658	1,490,280,092	1,331,111,312	2,158,574,269	524,154,705	440,977,015
	PER CENT DISTRIBUTION.											
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	22.2	33.7	34.4	0.4	1.2	1.4	0.2	0.8	0.9	0.3	1.2	1.3
$5,000 to $20,000	29.5	31.2	31.8	2.1	4.7	5.3	1.2	3.1	3.5	1.6	4.2	4.6
$20,000 to $100,000	26.1	21.3	21.0	7.5	13.5	14.9	4.6	9.4	9.9	5.2	11.3	12.3
$100,000 to $500,000	14.7	10.1	11.3	17.6	39.9	42.2	12.7	21.2	35.1	14.1	37.5	39.5
$500,000 to $1,000,000	3.3	1.9		10.6			8.8	12.9		9.3		
$1,000,000 and over	4.3	1.8	1.5	61.9	40.7	36.1	72.5	52.6	50.7	69.5	45.8	42.2

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

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.	
			1919	1914			1919	1914			1919	1914			1919	1914
AUTOMOBILES	25	22	100.0	100.0	4,434	1,643	100.0	100.0	$68,490,911	$6,872,635	100.0	100.0	$17,070,002	$2,668,858	100.0	100.0
Less than $20,000	3	4	12.0	18.2	7	6	0.2	0.4	27,582	19,570	(1)	0.3	21,832	8,747	0.1	0.3
$20,000 to $100,000	6	7	24.0	31.8	45	60	1.0	3.7	332,334	238,328	0.5	3.5	193,093	82,684	1.1	3.1
$100,000 to $500,000	5	[2] 8	20.0	36.4	194	[2] 547	4.4	33.3	1,646,126	[2] 2,590,615	2.4	37.7	587,765	[2] 953,674	3.4	35.7
$500,000 to $1,000,000	4	.....	16.0	.....	338	.....	7.6	.....	2,854,836	.....	4.2	.....	870,626	.....	5.1	.....
$1,000,000 and over	7	3	28.0	13.6	3,850	1,030	86.8	62.7	63,630,033	4,024,122	92.9	58.6	15,396,686	1,628,753	90.2	60.8
BOOTS AND SHOES, NOT INCLUDING RUBBER BOOTS AND SHOES	128	131	100.0	100.0	13,317	13,184	100.0	100.0	65,411,673	27,844,752	100.0	100.0	24,439,720	11,320,623	100.0	100.0
Less than $5,000	4	10	3.1	7.6	6	14	(1)	0.1	15,125	31,061	(1)	0.1	9,760	17,268	(1)	0.2
$5,000 to $20,000	10	14	7.8	10.7	44	139	0.3	1.1	117,399	164,241	0.2	0.6	60,248	76,208	0.2	0.7
$20,000 to $100,000	25	41	19.5	31.3	476	1,407	3.6	10.7	1,416,267	2,442,895	2.2	8.8	503,091	1,017,457	2.1	9.0
$100,000 to $500,000	53	48	41.4	36.6	3,142	[2] 8,881	23.6	67.4	12,914,010	9,050,320	19.7	32.5	5,067,320	[2] 7,597,825	20.7	67.1
$500,000 to $1,000,000	17	14	13.3	10.7	2,326	.....	17.5	.....	11,521,343	9,587,680	17.6	34.4	4,025,659	.....	16.5	.....
$1,000,000 and over	19	4	14.8	3.1	7,323	2,743	55.0	20.8	39,427,529	6,568,555	60.3	23.6	14,773,642	2,611,865	60.4	23.1
BREAD AND OTHER BAKERY PRODUCTS	2,651	2,987	100.0	100.0	16,410	15,157	100.0	100.0	132,880,426	54,139,906	100.0	100.0	49,406,563	22,454,532	100.0	100.0
Less than $5,000	311	1,062	11.7	35.6	89	793	0.5	5.2	958,625	3,158,237	0.7	5.8	363,119	1,343,253	0.7	6.0
$5,000 to $20,000	1,301	1,551	49.1	51.9	1,850	4,257	11.3	28.1	15,093,385	14,669,528	11.4	27.1	5,590,750	6,142,633	11.3	27.4
$20,000 to $100,000	878	316	33.1	10.6	4,121	3,479	25.1	23.0	33,137,348	11,549,950	24.9	21.3	11,016,009	4,426,470	22.3	19.7
$100,000 to $500,000	128	46	4.8	1.5	3,433	[2] 3,767	20.9	24.9	27,282,014	8,832,641	20.5	16.3	9,464,652	[2] 5,332,162	19.2	23.7
$500,000 to $1,000,000	16	6	0.6	0.2	1,460	.....	8.9	.....	11,261,701	4,480,891	8.5	8.3	5,024,022	.....	10.2	.....
$1,000,000 and over	17	6	0.6	0.2	5,457	2,861	33.3	18.9	45,147,353	11,448,659	34.0	21.1	17,948,011	5,210,014	36.3	23.2
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES	195	163	100.0	100.0	78,749	54,729	100.0	100.0	231,533,870	93,608,049	100.0	100.0	128,370,353	44,451,003	100.0	100.0
Less than $5,000	8	10	4.1	6.1	16	28	(1)	0.1	24,348	29,769	(1)	(1)	17,936	17,405	(1)	(1)
$5,000 to $20,000	8	12	4.1	7.4	38	144	(1)	0.3	83,583	143,890	(1)	0.2	52,547	94,327	(1)	0.2
$20,000 to $100,000	33	40	16.9	24.5	736	1,539	0.9	2.8	1,730,042	2,139,767	0.7	2.3	1,205,626	1,258,723	0.9	2.8
$100,000 to $500,000	68	58	34.9	35.6	7,374	[2] 15,446	9.4	28.2	17,467,210	11,460,129	7.5	12.2	11,973,178	[2] 11,749,559	9.3	26.4
$500,000 to $1,000,000	24	17	12.3	10.4	6,645	.....	8.4	.....	17,066,214	11,255,245	7.4	12.0	10,898,034	.....	8.5	.....
$1,000,000 and over	54	26	27.7	16.0	63,940	37,572	81.2	68.7	195,162,473	68,579,249	84.3	73.3	104,223,032	31,330,989	81.2	70.5
CHEMICALS	56	39	100.0	100.0	7,134	4,748	100.0	100.0	73,332,932	22,387,835	100.0	100.0	46,551,782	9,772,454	100.0	100.0
Less than $5,000	.....	4	.....	10.3	.....	8	.....	0.2	.....	12,750	.....	0.1	.....	8,921	.....	0.1
$5,000 to $20,000	5	3	8.9	7.7	10	11	0.1	0.2	58,002	27,994	0.1	0.1	33,433	13,398	0.1	0.1
$20,000 to $100,000	12	9	21.4	23.1	126	92	1.8	1.9	714,533	506,379	1.0	2.3	348,514	265,162	0.7	2.7
$100,000 to $500,000	17	12	30.4	30.8	458	[2] 926	6.4	19.5	4,093,333	2,788,630	5.6	12.5	2,005,087	[2] 2,078,553	4.3	21.3
$500,000 to $1,000,000	8	5	14.3	12.8	263	.....	3.7	.....	5,246,624	3,347,553	7.2	15.0	2,452,162	.....	5.3	.....
$1,000,000 and over	14	6	25.0	15.4	6,277	3,711	88.0	78.2	63,220,440	15,704,529	86.2	70.1	41,712,586	7,406,420	89.6	75.8
CLOTHING, MEN'S	602	504	100.0	100.0	12,855	10,236	100.0	100.0	73,169,811	28,033,167	100.0	100.0	34,959,909	13,602,311	100.0	100.0
Less than $5,000	96	158	15.9	31.3	173	528	1.3	5.2	267,110	371,007	0.4	1.3	235,112	331,779	0.7	2.4
$5,000 to $20,000	169	160	28.1	31.7	1,105	2,058	8.6	20.1	2,014,141	1,682,319	2.8	6.0	1,689,209	1,415,418	4.8	10.4
$20,000 to $100,000	184	121	30.6	24.0	3,362	2,767	26.2	27.0	8,413,103	5,435,916	11.5	19.4	5,192,578	2,688,221	14.9	19.8
$100,000 to $500,000	121	58	20.1	11.5	3,655	[2] 3,401	28.4	33.2	27,195,147	11,264,498	37.2	40.2	10,585,425	[2] 5,353,662	30.3	39.4
$500,000 to $1,000,000	25	3	4.2	0.6	1,819	.....	14.2	.....	17,228,923	1,953,667	23.5	7.0	7,433,857	.....	21.3	.....
$1,000,000 and over	7	4	1.2	0.8	2,741	1,482	21.3	14.5	18,051,387	7,325,760	24.7	26.1	9,823,728	3,813,231	28.1	28.0
CLOTHING, WOMEN'S	615	483	100.0	100.0	14,364	17,217	100.0	100.0	77,473,729	37,059,174	100.0	100.0	31,256,643	10,716,783	100.0	100.0
Less than $5,000	48	51	7.8	10.6	56	97	0.4	0.6	115,646	124,312	0.1	0.3	67,606	74,845	0.2	0.4
$5,000 to $20,000	130	109	21.1	22.6	829	1,045	5.8	6.1	1,507,358	1,226,674	1.9	3.3	953,126	728,875	3.0	4.4
$20,000 to $100,000	225	206	36.6	42.6	3,101	4,785	21.6	27.8	11,771,967	9,787,627	15.2	26.4	5,669,456	4,538,506	18.1	27.1
$100,000 to $500,000	184	110	29.9	22.8	7,195	[2] 11,290	50.1	65.6	41,104,240	20,697,523	53.1	55.8	16,144,507	[2] 11,374,557	51.7	68.0
$500,000 to $1,000,000	21	7	3.4	1.4	2,408	.....	16.8	.....	14,476,642	5,223,038	18.7	14.1	5,852,536	.....	18.7	.....
$1,000,000 and over	7	.....	1.1	.....	775	.....	5.4	.....	8,497,876	.....	11.0	.....	2,569,412	.....	8.2	.....

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

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

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

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914
COKE, NOT INCLUDING GAS-HOUSE COKE	123	108	100.0	100.0	11,536	9,871	100.0	100.0	$119,730,589	$42,996,443	100.0	100.0	$39,376,868	$13,176,406	100.0	100.0
Less than $5,000	3	3	2.4	2.8	3	9	(1)	0.1	9,836	10,537	(1)	(1)	3,612	4,082	(1)	(1)
$5,000 to $20,000	14	6	11.4	5.6	35	26	0.3	0.3	173,665	74,160	0.1	0.2	57,690	36,693	0.1	0.3
$20,000 to $100,000	26	39	21.1	36.1	265	827	2.3	8.4	1,328,185	1,813,064	1.1	4.2	371,862	719,963	0.9	5.5
$100,000 to $500,000	39	39	31.7	36.1	1,198	[2] 3,962	10.4	40.1	9,528,708	9,266,495	8.0	21.6	2,865,672	[2] 5,202,094	7.3	39.5
$500,000 to $1,000,000	17	12	13.8	11.1	1,342	.....	11.6	.....	12,619,286	7,304,781	10.5	17.0	3,505,959	.....	8.9	.....
$1,000,000 and over	24	9	19.5	8.3	8,693	5,047	75.4	51.1	96,070,909	24,527,406	80.2	57.0	32,572,073	7,213,574	82.7	54.7
CONFECTIONERY AND ICE CREAM	839	652	100.0	100.0	11,010	8,038	100.0	100.0	71,120,044	24,087,510	100.0	100.0	28,590,153	9,459,284	100.0	100.0
Less than $5,000	219	248	26.1	38.0	80	168	0.7	2.1	558,966	589,513	0.8	2.4	245,045	284,632	0.9	3.0
$5,000 to $20,000	296	245	35.3	37.6	531	730	4.8	9.1	3,200,984	2,522,249	4.5	10.5	1,330,540	1,132,184	4.7	12.0
$20,000 to $100,000	214	117	25.5	17.9	1,519	1,617	13.8	20.1	9,055,165	5,029,572	12.7	20.9	3,407,036	1,954,666	11.9	20.7
$100,000 to $500,000	89	32	10.6	4.9	3,238	[3] 5,523	29.4	68.7	19,998,878	7,146,137	28.1	29.7	7,660,065	[3] 6,087,802	26.8	64.4
$500,000 to $1,000,000	6	[4] 10	0.7	1.5	877	.....	8.0	.....	4,636,998	[4] 8,800,039	6.5	36.5	2,089,767	.....	7.3	.....
$1,000,000 and over	15	.....	1.8	.....	4,765	.....	43.3	.....	33,669,053	.....	47.3	.....	13,857,700	.....	48.5	.....
COTTON GOODS	118	116	100.0	100.0	9,767	9,158	100.0	100.0	66,404,059	22,,0870	100.0	100.0	27,584,316	9,683,784	100.0	100.0
Less than $5,000	3	6	2.5	5.2	7	9	0.1	0.1	10,598	13,624	(1)	0.1	9,580	8,104	(1)	0.1
$5,000 to $20,000	10	11	8.5	9.5	52	78	0.5	0.9	121,505	138,791	0.2	0.6	85,872	70,183	0.3	0.7
$20,000 to $100,000	18	46	15.3	39.7	214	1,208	2.2	13.2	1,093,898	2,446,782	1.6	10.9	494,228	1,039,810	1.8	10.7
$100,000 to $500,000	54	44	45.8	37.9	2,306	[2] 5,232	23.6	57.1	13,097,905	9,919,534	19.7	44.3	5,514,938	[2] 5,177,287	20.0	53.5
$500,000 to $1,000,000	19	4	16.1	3.4	2,196	.....	22.5	.....	13,450,390	2,225,254	20.3	9.9	5,806,618	.....	21.1	.....
$1,000,000 and over	14	5	11.9	4.3	4,992	2,631	51.1	28.7	38,629,763	7,664,022	58.2	34.2	15,673,080	3,388,400	56.8	35.0
ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES	129	105	100.0	100.0	24,228	14,866	100.0	100.0	132,673,856	44,395,789	100.0	100.0	81,316,214	27,155,769	100.0	100.0
Less than $5,000	9	13	7.0	12.4	8	21	(1)	0.1	25,450	34,220	(1)	0.1	14,544	22,536	(1)	0.1
$5,000 to $20,000	29	25	22.5	23.8	90	154	0.4	1.0	352,244	295,143	0.3	0.7	202,595	181,524	0.2	0.7
$20,000 to $100,000	43	37	33.3	35.2	593	662	2.4	4.5	2,198,161	1,635,054	1.7	3.7	1,286,245	928,699	1.6	3.4
$100,000 to $500,000	23	17	17.8	16.2	1,107	[2] 2,400	4.6	16.1	5,251,173	3,420,710	4.0	7.7	2,817,413	[2] 3,971,971	3.5	14.6
$500,000 to $1,000,000	9	6	7.0	5.7	1,550	.....	6.4	.....	6,251,802	3,573,476	4.7	8.0	3,707,112	.....	4.6	.....
$1,000,000 and over	16	7	12.4	6.7	20,880	11,629	86.2	78.2	118,595,026	35,437,186	89.4	79.8	73,288,305	22,051,039	90.1	81.2
ENGINES, STEAM, GAS, AND WATER	34	56	100.0	100.0	9,711	5,222	100.0	100.0	52,574,026	11,391,872	100.0	100.0	33,738,267	6,663,545	100.0	100.0
Less than $5,000	.....	11	.....	19.6	.....	10	.....	0.2	.....	24,725	.....	0.2	.....	16,237	.....	0.2
$5,000 to $20,000	[5] 4	11	11.8	19.6	[5] 13	60	0.1	1.1	[5] 39,817	94,740	0.1	0.8	[5] 18,841	62,850	0.1	0.9
$20,000 to $100,000	8	17	23.5	30.4	92	455	0.9	8.7	330,087	874,217	0.6	7.7	182,034	489,278	0.5	7.3
$100,000 to $500,000	11	13	32.4	23.2	783	[3] 4,697	8.1	89.9	3,327,725	3,273,764	6.3	28.7	1,984,436	[3] 6,095,180	5.9	91.5
$500,000 to $1,000,000	4	[4] 4	11.8	7.1	774	.....	8.0	.....	2,891,744	[4] 7,124,426	5.5	62.5	1,764,914	.....	5.2	.....
$1,000,000 and over	7	.....	20.6	.....	8,049	.....	82.9	.....	45,984,653	.....	87.5	.....	29,788,042	.....	88.3	.....
FLOUR-MILL AND GRIST-MILL PRODUCTS	1,138	1,265	100.0	100.0	2,198	2,595	100.0	100.0	69,446,449	43,626,356	100.0	100.0	9,461,662	6,529,474	100.0	100.0
Less than $5,000	100	224	8.8	17.7	18	94	0.8	3.6	290,729	655,498	0.4	1.5	60,215	143,819	0.6	2.2
$5,000 to $20,000	386	563	33.9	44.5	224	540	10.2	20.8	4,681,235	6,302,659	6.7	14.4	831,761	1,215,412	8.8	18.6
$20,000 to $100,000	529	418	46.5	33.0	877	1,057	39.9	40.7	23,168,454	16,157,683	33.4	37.0	3,665,327	2,691,744	38.7	41.2
$100,000 to $500,000	107	51	9.4	4.0	640	[2] 575	29.1	22.2	19,081,737	8,977,486	27.5	20.6	2,442,800	[2] 1,298,758	25.8	19.9
$500,000 to $1,000,000	9	4	0.8	0.3	128	.....	5.8	.....	6,357,623	2,184,604	9.2	5.0	579,747	.....	6.1	.....
$1,000,000 and over	7	5	0.6	0.4	311	329	14.1	12.7	15,866,671	9,348,426	22.8	21.4	1,881,812	1,179,741	19.9	18.1
FOUNDRY AND MACHINE-SHOP PRODUCTS [6]	1,407	1,231	100.0	100.0	79,009	57,116	100.0	100.0	401,357,909	140,799,115	100.0	100.0	228,432,459	77,046,765	100.0	100.0
Less than $5,000	218	278	15.5	22.6	145	354	0.2	0.6	557,097	681,153	0.1	0.5	392,347	481,896	0.2	0.6
$5,000 to $20,000	332	349	23.6	28.4	1,258	2,064	1.6	3.6	3,866,209	3,638,380	1.0	2.6	2,526,845	2,301,042	1.1	3.0
$20,000 to $100,000	378	359	26.9	29.2	5,156	8,628	6.5	15.1	19,224,594	17,451,864	4.8	12.4	11,488,832	9,917,807	5.0	12.9
$100,000 to $500,000	300	178	21.3	14.5	15,305	[2] 28,531	19.4	50.0	67,618,801	39,214,938	16.8	27.9	38,448,493	[2] 35,651,113	16.8	46.3
$500,000 to $1,000,000	79	42	5.6	3.4	11,385	.....	14.4	.....	56,266,012	26,936,945	14.0	19.1	31,481,252	.....	13.8	.....
$1,000,000 and over	100	25	7.1	2.0	45,760	17,539	57.9	30.7	253,825,196	52,875,835	63.2	37.6	144,094,690	28,694,907	63.1	37.2
GLASS	102	103	100.0	100.0	21,602	23,606	100.0	100.0	80,479,752	39,797,822	100.0	100.0	52,821,615	24,256,117	100.0	100.0
Less than $100,000	12	12	11.8	11.7	228	488	1.1	2.1	513,452	691,947	0.6	1.7	284,579	456,127	0.5	1.9
$100,000 to $500,000	52	67	51.0	65.0	5,542	[2] 16,663	25.7	70.6	15,185,134	15,654,998	18.9	39.3	9,017,771	[2] 16,220,505	17.1	66.9
$500,000 to $1,000,000	14	15	13.7	14.6	3,214	.....	14.9	.....	9,324,046	9,888,939	11.6	24.8	6,419,893	.....	12.2	.....
$1,000,000 and over	24	9	23.5	8.7	12,618	6,455	58.4	27.3	55,457,120	13,561,938	68.9	34.1	37,099,372	7,579,485	70.2	31.2
IRON AND STEEL, BLAST FURNACES	58	52	100.0	100.0	14,619	11,518	100.0	100.0	311,080,081	135,806,067	100.0	100.0	66,119,948	20,304,678	100.0	100.0
$20,000 to $100,000	[7] 7	4	12.1	7.7	[7] 97	41	0.7	0.4	[7] 719,055	201,713	0.2	0.1	[7] 201,232	64,215	0.3	0.3
$100,000 to $500,000	.....	10	.....	19.2	.....	[2] 2,007	.....	17.4	.....	3,202,190	.....	2.4	.....	[2] 2,135,084	.....	10.5
$500,000 to $1,000,000	6	11	10.3	21.2	507	.....	3.5	.....	4,511,088	9,012,571	1.5	6.6	1,085,633	.....	1.6	.....
$1,000,000 and over	45	27	77.6	51.9	14,015	9,470	95.9	82.2	305,849,938	123,389,593	98.3	90.9	64,833,083	18,105,429	98.1	89.2
IRON AND STEEL, STEEL WORKS AND ROLLING MILLS	198	178	100.0	100.0	171,715	131,955	100.0	100.0	1,296,412,070	448,106,324	100.0	100.0	518,939,380	162,724,240	100.0	100.0
Less than $20,000	6	.....	3.0	.....	39	.....	(1)	.....	74,499	.....	(1)	.....	32,370	.....	(1)	.....
$20,000 to $100,000	7	8	3.5	4.5	184	398	0.1	0.3	510,109	429,759	(1)	0.1	225,879	206,986	(1)	0.1
$100,000 to $500,000	31	54	15.7	30.3	2,599	[2] 18,147	1.5	13.8	10,407,362	13,751,540	0.8	3.1	4,758,832	[2] 15,822,580	0.9	9.7
$500,000 to $1,000,000	19	29	9.6	16.3	3,235	.....	1.9	.....	14,000,952	21,445,171	1.1	4.8	6,859,723	.....	1.3	.....
$1,000,000 and over	135	87	68.2	48.9	165,658	113,410	96.5	85.9	1,271,419,148	412,479,854	98.1	92.0	507,062,576	146,694,674	97.7	90.1

[1] Less than one-tenth of 1 per cent.
[2] Includes the group "$500,000 to $1,000,000."
[3] Includes the groups "$500,000 to $1,000,000" and "$1,000,000 and over."
[4] Includes the group "$1,000,000 and over."
[5] Includes the group "Less than $5,000."
[6] Includes "iron and steel, tempering and welding"; "machine tools"; "steel barrels, drums, and tanks"; and "textile machinery and parts."
[7] Includes the group "$100,000 to $500,000."

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

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914
KNIT GOODS	606	498	100.0	100.0	44,156	41,130	100.0	100.0	$188,260,800	$64,153,449	100.0	100.0	$71,564,027	$26,397,148	100.0	100.0
Less than $5,000	26	38	4.3	7.6	31	114	0.1	0.3	68,383	82,956	(1)	0.1	38,620	45,971	0.1	0.2
$5,000 to $20,000	45	80	7.4	16.1	293	911	0.7	2.2	534,029	931,637	0.3	1.5	238,306	466,591	0.3	1.8
$20,000 to $100,000	180	226	29.7	45.4	3,729	8,987	8.4	21.9	9,824,860	12,008,676	5.2	18.7	3,082,019	5,081,869	5.1	19.3
$100,000 to $500,000	261	129	43.1	25.9	15,580	[2] 22,649	35.3	55.1	59,698,655	26,381,442	31.7	41.1	22,257,455	[2] 15,222,300	31.1	57.7
$500,000 to $1,000,000	58	16	9.6	3.2	9,235	.....	20.9	.....	41,439,949	9,978,136	22.0	15.6	15,227,977	.....	21.3	.....
$1,000,000 and over	36	9	5.9	1.8	15,288	8,469	34.6	20.6	76,694,915	14,770,602	40.7	23.0	30,119,650	5,580,417	42.1	21.1
LEATHER, TANNED, CURRIED, AND FINISHED	92	120	100.0	100.0	13,749	11,988	100.0	100.0	211,389,349	85,252,532	100.0	100.0	64,983,972	16,943,812	100.0	100.0
Less than $20,000	4	10	4.3	8.3	6	35	(1)	0.3	26,999	84,808	(1)	0.1	15,987	37,743	(1)	0.2
$20,000 to $100,000	8	12	8.7	10.0	78	180	0.6	1.5	394,682	814,267	0.2	1.0	193,403	198,963	0.3	1.2
$100,000 to $500,000	17	57	18.5	47.5	575	[2] 4,839	4.2	40.4	4,586,664	23,446,466	2.2	27.5	1,558,883	[2] 6,593,202	2.4	38.9
$500,000 to $1,000,000	11	13	12.0	10.8	572	.....	4.2	.....	8,156,372	9,179,020	3.9	10.8	1,847,604	.....	2.8	.....
$1,000,000 and over	52	28	56.5	23.3	12,518	6,934	91.0	57.8	198,224,632	51,727,971	93.8	60.7	61,368,095	10,113,904	94.4	59.7
LIQUORS, MALT	166	215	100.0	100.0	5,231	7,512	100.0	100.0	59,331,515	50,362,792	100.0	100.0	44,924,552	34,660,271	100.0	100.0
Less than $5,000	.....	3	.....	1.4	.....	5	.....	0.1	.....	10,669	.....	(1)	.....	7,008	.....	(1)
$5,000 to $20,000	4	9	2.4	4.2	22	42	0.4	0.6	49,996	133,982	0.1	0.3	30,797	75,119	0.1	0.2
$20,000 to $100,000	38	56	22.9	26.0	408	807	7.8	10.7	2,434,940	3,458,411	4.1	6.9	1,565,641	2,352,800	3.5	6.8
$100,000 to $500,000	94	127	56.6	59.1	2,312	[2] 5,443	44.2	72.5	23,223,040	27,516,220	39.1	54.6	16,785,446	[2] 24,131,037	37.4	69.6
$500,000 to $1,000,000	18	12	10.8	5.6	1,060	.....	20.3	.....	12,328,543	8,103,505	20.8	16.1	9,443,584	.....	21.0	.....
$1,000,000 and over	12	8	7.2	3.7	1,429	1,215	27.3	16.2	21,294,996	11,140,005	35.9	22.1	17,099,084	8,094,307	38.1	23.4
PAPER AND WOOD PULP	56	53	100.0	100.0	9,843	7,447	100.0	100.0	64,715,767	25,439,346	100.0	100.0	29,072,649	9,392,789	100.0	100.0
$5,000 to $20,000	4	8	7.1	15.1	16	43	0.2	0.6	55,411	75,432	0.1	0.3	20,268	42,649	0.1	0.5
$20,000 to $100,000	12	13	21.4	24.5	163	250	1.7	3.4	658,946	708,673	1.0	2.8	244,047	256,987	0.8	2.7
$100,000 to $500,000	16	15	28.6	28.3	626	[2] 2,934	6.4	39.4	3,357,489	3,270,922	5.2	12.9	1,159,242	[2] 3,365,906	4.0	35.8
$500,000 to $1,000,000	5	10	8.9	18.9	573	.....	5.8	.....	3,411,147	7,144,024	5.3	28.1	1,159,189	.....	4.0	.....
$1,000,000 and over	19	7	33.9	13.2	8,465	4,220	86.0	56.7	57,232,774	14,240,295	88.4	56.0	26,489,903	5,727,247	91.1	61.0
PETROLEUM, REFINING	53	48	100.0	100.0	8,235	4,902	100.0	100.0	178,825,632	52,875,101	100.0	100.0	43,844,427	8,490,607	100.0	100.0
Less than $100,000	5	6	9.4	12.5	18	25	0.2	0.5	166,856	249,537	0.1	0.5	43,215	37,457	0.1	0.4
$100,000 to $500,000	9	19	17.0	39.6	163	[2] 829	2.0	16.9	2,466,854	5,737,515	1.4	10.9	399,285	[2] 1,981,566	0.9	23.3
$500,000 to $1,000,000	6	13	11.3	27.1	121	.....	1.5	.....	4,312,090	8,128,870	2.4	15.4	700,345	.....	1.6	.....
$1,000,000 and over	33	10	62.3	20.8	7,933	4,048	96.3	82.6	171,879,832	38,759,143	96.1	73.3	42,701,582	6,471,584	97.4	76.2
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS	963	1,133	100.0	100.0	12,331	12,750	100.0	100.0	106,666,923	52,239,269	100.0	100.0	67,618,699	36,789,943	100.0	100.0
Less than $5,000	311	508	32.3	44.8	205	648	1.7	5.1	834,712	1,354,017	0.8	2.6	661,649	1,113,996	1.0	3.0
$5,000 to $20,000	367	401	38.1	35.4	1,047	1,752	8.5	13.7	3,648,004	3,775,135	3.4	7.2	2,763,076	2,996,468	4.1	8.1
$20,000 to $100,000	208	169	21.6	14.9	2,009	2,654	16.3	20.8	9,463,734	6,921,171	8.9	13.2	6,931,678	5,326,600	10.3	14.5
$100,000 to $500,000	54	35	5.6	3.1	2,351	[2] 3,358	19.1	26.3	11,653,974	6,598,824	10.9	12.6	7,700,005	[2] 10,540,344	11.5	28.7
$500,000 to $1,000,000	7	12	0.7	1.1	588	.....	4.8	.....	5,029,446	7,999,474	4.7	15.3	3,474,684	.....	5.1	.....
$1,000,000 and over	16	8	1.7	0.7	6,131	4,338	49.7	34.0	76,037,053	25,590,648	71.3	49.0	46,027,607	16,812,535	68.1	45.7
SILK GOODS, INCLUDING THROWSTERS	373	284	100.0	100.0	53,052	44,755	100.0	100.0	231,711,352	86,938,554	100.0	100.0	105,424,109	38,143,073	100.0	100.0
Less than $5,000	.....	7	.....	2.5	.....	51	.....	0.1	.....	24,952	.....	(1)	.....	23,291	.....	0.1
$5,000 to $20,000	[3] 7	24	1.9	8.5	[3] 64	632	0.1	1.4	[3] 76,939	302,601	(1)	0.3	[3] 63,299	224,793	0.1	0.6
$20,000 to $100,000	98	96	26.3	33.8	4,177	6,426	7.9	14.4	5,767,746	4,962,535	2.5	5.7	4,106,396	2,965,935	3.9	7.8
$100,000 to $500,000	146	110	39.1	38.7	13,252	[2] 21,083	25.0	47.1	36,688,033	24,564,184	15.8	28.3	19,002,884	[2] 18,095,214	18.0	47.4
$500,000 to $1,000,000	56	25	15.0	8.8	8,813	.....	16.6	.....	40,363,147	16,448,481	17.4	18.9	18,090,381	.....	17.2	.....
$1,000,000 and over	66	22	17.7	7.7	26,746	16,563	50.4	37.0	148,815,487	40,635,851	64.2	46.7	64,161,149	15,836,840	60.9	44.1
SLAUGHTERING AND MEAT PACKING	176	146	100.0	100.0	4,438	3,616	100.0	100.0	122,862,240	65,191,272	100.0	100.0	15,581,224	7,586,583	100.0	100.0
Less than $5,000	.....	6	.....	4.1	.....	5	.....	0.1	.....	17,438	.....	(1)	.....	6,906	.....	0.1
$5,000 to $20,000	[3] 25	17	14.2	11.6	[3] 16	24	0.4	0.7	[3] 323,700	191,596	0.3	0.3	[3] 62,415	46,746	0.4	0.6
$20,000 to $100,000	65	52	36.9	35.6	136	107	3.1	4.6	3,501,339	2,615,936	2.8	4.0	604,906	467,153	3.9	6.2
$100,000 to $500,000	46	46	26.1	31.5	451	[2] 1,070	10.2	29.6	12,306,186	11,535,114	10.0	17.7	1,647,805	[2] 2,333,037	10.6	30.8
$500,000 to $1,000,000	16	9	9.1	6.2	256	.....	5.8	.....	10,728,795	6,066,160	8.7	9.3	1,251,293	.....	8.0	.....
$1,000,000 and over	24	16	13.6	11.0	3,579	2,350	80.6	65.0	96,008,220	44,765,028	78.1	68.7	12,014,805	4,732,741	77.1	62.4
STRUCTURAL IRONWORK, NOT MADE IN STEEL WORKS OR ROLLING MILLS	145	137	100.0	100.0	10,722	9,368	100.0	100.0	78,305,995	35,763,060	100.0	100.0	32,823,600	15,403,076	100.0	100.0
Less than $5,000	15	23	10.3	16.8	10	35	0.1	0.4	41,065	55,145	0.1	0.2	24,533	38,074	0.1	0.2
$5,000 to $20,000	33	42	22.8	30.7	90	233	0.8	2.5	385,503	456,855	0.5	1.3	215,168	282,745	0.7	1.8
$20,000 to $100,000	39	37	26.9	27.0	435	802	4.1	8.6	1,852,288	1,690,390	2.4	4.7	973,075	872,658	3.0	5.7
$100,000 to $500,000	26	19	17.9	13.9	1,184	[2] 2,809	11.0	30.2	6,046,663	4,458,390	7.7	12.5	3,175,351	[2] 4,319,019	9.7	28.0
$500,000 to $1,000,000	12	7	8.3	5.1	1,450	.....	13.5	.....	9,074,907	4,890,761	11.6	13.7	3,934,337	.....	12.0	.....
$1,000,000 and over	20	9	13.8	6.6	7,553	5,429	70.4	58.3	60,905,569	24,211,519	77.8	67.7	24,501,136	9,890,580	74.6	64.2
TOBACCO, CIGARS AND CIGARETTES	1,595	2,121	100.0	100.0	30,380	36,931	100.0	100.0	98,370,923	52,021,430	100.0	100.0	55,420,841	28,976,273	100.0	100.0
Less than $5,000	766	1,415	48.0	66.7	299	1,201	1.0	3.3	1,584,059	2,391,367	1.6	4.6	879,634	1,488,824	1.6	5.1
$5,000 to $20,000	354	406	22.2	19.1	1,311	3,072	4.3	8.3	3,531,142	4,045,466	3.6	7.8	2,007,504	2,479,629	3.6	8.6
$20,000 to $100,000	274	192	17.2	9.1	4,876	6,747	16.0	18.3	12,824,531	8,619,296	13.0	16.6	6,730,103	5,102,875	12.1	17.6
$100,000 to $500,000	156	86	9.8	4.1	12,025	[2] 22,481	39.6	60.9	36,493,709	19,682,961	37.1	37.8	19,748,937	[2] 16,618,191	35.6	57.4
$500,000 to $1,000,000	36	18	2.3	0.8	8,569	.....	28.2	.....	26,260,771	12,070,909	26.7	23.2	15,063,387	.....	27.2	.....
$1,000,000 and over	9	4	0.6	0.2	3,300	3,430	10.9	9.3	17,676,711	5,211,431	18.0	10.0	10,991,876	3,286,754	19.8	11.3

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

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

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

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

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914
WOOLEN GOODS	108	95	100.0	100.0	7,398	5,960	100.0	100.0	$48,239,627	$15,460,489	100.0	100.0	$19,990,382	$5,249,890	100.0	100.0
Less than $5,000	10	14	9.3	14.7	9	34	0.1	0.6	20,795	30,154	(1)	0.2	12,933	16,577	0.1	0.3
$5,000 to $20,000	5	10	4.6	10.5	42	110	0.6	1.8	56,553	104,069	0.1	0.7	47,762	83,216	0.2	1.6
$20,000 to $100,000	18	22	16.7	23.2	327	658	4.4	11.0	912,193	1,343,393	1.9	8.7	655,375	466,496	3.3	8.9
$100,000 to $500,000	41	40	38.0	42.1	2,045	[2] 5,158	27.6	86.5	10,627,870	7,797,613	22.0	50.4	4,699,993	[2] 4,683,601	23.6	89.2
$500,000 to $1,000,000	22	[3] 9	20.4	9.5	2,207	.....	30.6	.....	15,353,585	[3] 6,185,260	31.8	40.0	5,870,393	.....	29.5	.....
$1,000,000 and over	12	.....	11.1	.....	2,708	.....	36.6	.....	21,268,651	.....	44.1	.....	8,613,926	.....	43.3	.....
WORSTED GOODS	89	91	100.0	100.0	15,400	17,892	100.0	100.0	118,475,141	47,652,571	100.0	100.0	35,963,195	14,120,718	100.0	100.0
Less than $5,000	.....	4	.....	4.4	.....	5	.....	(1)	.....	8,312	.....	(1)	.....	4,548	.....	(1)
$5,000 to $20,000	.....	5	.....	5.5	.....	30	.....	0.2	.....	45,897	.....	0.1	.....	35,478	.....	0.3
$20,000 to $100,000	[4] 12	17	13.5	18.7	[4] 235	635	1.5	3.5	[4] 516,361	995,118	0.4	2.1	[4] 405,922	451,988	1.1	3.2
$100,000 to $500,000	23	34	25.8	37.4	1,498	[5] 6,452	9.7	36.1	5,759,188	8,652,719	4.9	18.2	2,521,256	[5] 6,053,909	7.0	42.9
$500,000 to $1,000,000	19	14	21.3	15.4	1,509	.....	9.8	.....	14,198,528	9,750,135	11.9	20.5	4,439,529	.....	12.3	.....
$1,000,000 and over	35	17	39.3	18.7	12,158	10,770	78.9	60.2	98,091,064	28,200,390	82.8	59.2	28,597,388	7,574,795	79.5	53.6

[1] Less than one-tenth of 1 per cent.
[2] Includes the groups "$500,000 to $1,000,000" and "$1,000,000 and over."
[3] Includes the group "$1,000,000 and over."
[4] Includes the groups "Less than $5,000" and "$5,000 to $20,000."
[5] Includes the group "$500,000 to $1,000,000."

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

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Per cent of total.	VALUE OF PRODUCTS. Amount.	VALUE OF PRODUCTS. Per cent of total.	VALUE ADDED BY MANUFACTURE. Amount.	VALUE ADDED BY MANUFACTURE. Per cent of total.
ALLENTOWN	336	14,812	100.0	$90,834,488	100.0	$39,714,454	100.0
Less than $5,000	70	41	0.3	180,100	0.2	108,906	0.3
$5,000 to $20,000	98	333	2.2	1,067,472	1.2	607,525	1.5
$20,000 to $100,000	81	1 130	7.6	3,666,258	4.0	1 707 675	4.3
$100,000 to $500,000	55	3 337	22.5	13,033,844	14.3	6,213,199	15.6
$500,000 to $1,000,000	16	2,592	17.5	11,357,213	12.5	6,143,862	15.5
$1,000,000 and over	16	7,379	49.8	61,529,601	67.7	24,933,287	62.8
ALTOONA	64	12,800	100.0	53,946,093	100.0	22,780,418	100.0
Less than $5,000	10	4	(1)	25,300	(1)	14,710	0.1
$5,000 to $20,000	19	46	0.4	182,259	0.3	108,876	0.5
$20,000 to $100,000	18	177	1.4	829,221	1.5	452,762	2.0
$100,000 and over	17	12,573	98.2	52,909,307	98.1	22,204,070	97.5
AMBRIDGE	22	3,414	100.0	26,768,145	100.0	11,194,049	100.0
Less than $20,000	6	8	0.2	58,575	0.2	40,857	0.4
$20,000 to $100,000	9	83	2.4	332,938	1.2	127,953	1.1
$100,000 and over	7	3,323	97.3	26,376,632	98.5	11,025,239	98.5
BEAVER FALLS	71	3,204	100.0	20,414,430	100.0	9,882,620	100.0
Less than $5,000	12	7	0.2	39,340	0.2	20,448	0.2
$5,000 to $20,000	26	62	1.9	302,740	1.5	178,259	1.8
$20,000 to $100,000	19	151	4.7	794,088	3.9	435,264	4.4
$100,000 to $500,000	9	662	20.7	2,122,301	10.4	1,271,230	12.9
$500,000 and over	5	2,322	72.5	17,155,970	84.0	7,977,419	80.7
BETHLEHEM	86	14,061	100.0	102,567,075	100.0	47,188,049	100.0
Less than $5,000	16	9	0.1	35,988	(1)	25,687	0.1
$5,000 to $20,000	24	62	0.4	264,193	0.3	134,370	0.3
$20,000 to $100,000	19	329	2.2	959,180	0.9	538,954	1.1
$100,000 and over	27	14,561	97.3	101,307,714	98.8	46,489,008	98.5
BRADDOCK	49	1,170	100.0	9,438,995	100.0	3,533,368	100.0
Less than $5,000	9	3	0.3	20,430	0.2	12,046	0.3
$5,000 to $20,000	15	24	2.1	160,316	1.7	78,715	2.2
$20,000 to $100,000	17	119	10.2	836,937	8.9	360,700	10.2
$100,000 and over	8	1,024	87.5	8,421,312	89.2	3,081,907	87.2
BRADFORD	83	1,530	100.0	10,861,158	100.0	4,468,733	100.0
Less than $5,000	22	8	0.5	61,142	0.6	33,587	0.8
$5,000 to $20,000	20	42	2.7	218,866	2.0	119,183	2.7
$20,000 to $100,000	21	212	13.8	902,373	8.3	488,590	10.9
$100,000 to $500,000	15	835	54.3	3,025,020	27.9	1,739,538	38.9
$500,000 and over	5	442	28.7	6,653,767	61.3	2,087,835	46.7
BRISTOL	34	1,470	100.0	5,097,607	100.0	3,105,826	100.0
Less than $5,000	9	10	0.7	33,112	0.6	19,990	0.6
$5,000 to $20,000	11	15	1.0	119,762	2.1	51,819	1.7
$20,000 to $100,000	9	90	6.1	476,054	8.4	253,880	8.2
$100,000 and over	5	1,355	92.2	5,068,679	89.0	2,780,137	89.5
BUTLER	77	3,744	100.0	$44,476,790	100.0	$10,737,038	100.0
Less than $5,000	13	4	0.1	35,083	0.1	20,824	0.2
$5,000 to $20,000	31	98	2.6	332,245	0.7	202,648	1.9
$20,000 to $100,000	18	204	5.4	1,080,793	2.4	578,629	5.4
$100,000 and over	15	3,438	91.8	43,019,669	96.7	9,934,932	92.5
CANONSBURG	32	2,971	100.0	16,894,336	100.0	7,370,109	100.0
Less than $5,000	4	.....	.....	9,034	0.1	3,817	0.1
$5,000 to $20,000	13	16	0.5	134,400	0.8	62,018	0.8
$20,000 to $100,000	7	32	1.1	226,511	1.3	88,994	1.2
$100,000 and over	8	2,923	98.4	16,524,391	97.8	7,215,280	97.9
CARBONDALE	43	861	100.0	3,187,996	100.0	1,673,579	100.0
Less than $5,000	10	9	1.0	30,834	1.0	16,298	1.0
$5,000 to $20,000	15	43	5.0	149,064	4.7	81,318	4.9
$20,000 to $100,000	10	82	9.5	405,325	12.7	143,802	8.6
$100,000 and over	8	727	84.4	2,602,773	81.6	1,432,161	85.6
CARLISLE	44	1,422	100.0	6,543,455	100.0	3,079,179	100.0
Less than $5,000	8	5	0.4	16,899	0.3	10,834	0.4
$5,000 to $20,000	13	40	2.8	129,816	2.0	67,852	2.2
$20,000 to $100,000	12	204	14.3	443,272	6.8	208,463	6.8
$100,000 to $500,000	7	368	25.9	1,598,294	24.4	753,102	24.5
$500,000 and over	4	805	56.6	4,355,174	66.6	2,038,928	66.2
CARNEGIE	26	222	100.0	2,789,605	100.0	861,535	100.0
Less than $5,000	4	2	0.9	9,200	0.3	6,589	0.8
$5,000 to $20,000	10	25	11.3	115,208	4.1	70,490	8.2
$20,000 to $100,000	5	21	9.5	199,204	7.1	84,961	9.9
$100,000 and over	7	174	78.4	2,465,993	88.4	699,495	81.2
CARRICK	5	16	100.0	120,849	100.0	67,305	100.0
$5,000 to $100,000	5	16	100.0	120,849	100.0	67,305	100.0
CHAMBERSBURG	56	1,996	100.0	8,791,872	100.0	4,360,050	100.0
Less than $5,000	13	10	0.5	33,914	0.4	14,907	0.3
$5,000 to $20,000	19	98	4.9	226,119	2.6	126,913	2.9
$20,000 to $100,000	15	162	8.1	671,572	7.6	371,710	8.5
$100,000 to $1,000,000	5	675	33.8	2,631,487	29.9	1,541,700	35.4
$1,000,000 and over	4	1,051	52.7	5,228,780	59.5	2,304,820	52.9
CHARLEROI	35	2,023	100.0	5,687,212	100.0	3,129,663	100.0
Less than $20,000	19	25	1.2	230,199	4.0	97,810	3.1
$20,000 to $100,000	10	74	3.7	348,554	6.1	170,675	5.5
$100,000 and over	6	1,924	95.1	5,108,459	89.8	2,861,178	91.4

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

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

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
CHESTER	127	18,677	100.0	$95,949,003	100.0	$43,276,788	100.0
Less than $5,000	20	11	0.1	65,442	0.1	41,836	0.1
$5,000 to $20,000	24	66	0.4	303,948	0.3	135,228	0.3
$20,000 to $100,000	36	316	1.7	1,634,989	1.7	747,002	1.7
$100,000 to $500,000	25	999	5.3	5,986,922	6.2	2,731,953	6.3
$500,000 to $1,000,000	5	688	3.7	4,804,763	5.0	2,165,192	5.0
$1,000,000 and over	17	16,597	88.9	83,152,939	86.7	37,455,577	86.5
COLUMBIA	56	2,322	100.0	9,812,018	100.0	4,516,524	100.0
Less than $5,000	10	16	0.7	29,011	0.3	13,747	0.3
$5,000 to $20,000	20	60	2.6	206,991	2.1	92,433	2.0
$20,000 to $100,000	12	194	8.4	606,835	6.2	260,821	5.8
$100,000 to $500,000	10	774	33.3	2,622,984	26.7	1,170,383	25.9
$500,000 and over	4	1,278	55.0	6,346,197	64.7	2,979,140	66.0
CONNELLSVILLE	51	1,623	100.0	4,663,847	100.0	2,646,495	100.0
Less than $5,000	9	7	0.4	33,345	0.7	18,855	0.7
$5,000 to $20,000	15	32	2.0	164,918	3.5	87,086	3.3
$20,000 to $100,000	18	186	11.5	867,290	18.6	407,863	15.4
$100,000 and over	9	1,398	86.1	3,598,294	77.2	2,132,691	80.6
DICKSON CITY	10	806	100.0	903,003	100.0	709,742	100.0
Less than $100,000	5	7	0.9	54,366	6.0	16,814	2.4
$100,000 to $500,000	5	799	99.1	848,637	94.0	692,928	97.6
DU BOIS	41	1,397	100.0	3,937,516	100.0	2,639,260	100.0
Less than $5,000	4	2	0.1	10,432	0.3	4,154	0.2
$5,000 to $20,000	20	63	4.5	207,292	5.3	144,865	5.5
$20,000 to $100,000	11	73	5.2	401,235	10.2	191,529	7.3
$100,000 and over	6	1,259	90.1	3,318,557	84.3	2,298,712	87.1
DUNMORE	27	1,360	100.0	3,627,815	100.0	1,916,046	100.0
Less than $5,000	7	8	0.6	16,886	0.5	8,544	0.4
$5,000 to $20,000	8	50	3.7	103,682	2.9	55,160	2.9
$20,000 to $100,000	8	136	10.0	381,738	10.5	154,870	8.1
$100,000 and over	4	1,166	85.7	3,125,509	86.2	1,697,472	88.6
EASTON	102	4,672	100.0	27,011,928	100.0	12,978,154	100.0
Less than $5,000	17	9	0.2	31,084	0.1	15,952	0.1
$5,000 to $20,000	23	91	2.0	257,643	1.0	151,824	1.2
$20,000 to $100,000	32	376	8.0	1,339,523	5.0	766,483	5.9
$100,000 to $500,000	21	749	16.0	4,778,731	17.7	1,893,547	14.6
$500,000 to $1,000,000	4	296	6.3	2,857,802	10.6	752,970	5.8
$1,000,000 and over	5	3,151	67.4	17,747,005	65.7	9,397,378	72.4
ERIE	293	13,297	100.0	70,407,540	100.0	38,908,688	100.0
Less than $5,000	41	28	0.2	92,696	0.1	58,787	0.2
$5,000 to $20,000	80	195	1.5	888,637	1.3	499,518	1.3
$20,000 to $100,000	83	928	7.0	4,073,844	5.8	2,112,371	5.4
$100,000 to $500,000	57	2,807	21.1	14,540,678	20.7	7,255,585	18.6
$500,000 to $1,000,000	13	1,831	13.8	9,478,971	13.5	5,519,152	14.2
$1,000,000 and over	19	7,508	56.5	41,332,714	58.7	23,463,275	60.3
GREENSBURG	66	653	100.0	3,990,934	100.0	2,045,942	100.0
Less than $5,000	12	6	0.9	33,740	0.8	24,851	1.2
$5,000 to $20,000	21	42	6.4	214,440	5.4	114,004	5.6
$20,000 to $100,000	22	193	29.6	1,004,615	25.1	415,396	20.3
$100,000 and over	11	412	63.1	2,747,139	68.7	1,491,691	72.9
HARRISBURG	216	10,522	100.0	52,152,818	100.0	26,114,223	100.0
Less than $5,000	48	21	0.2	125,022	0.2	71,573	0.3
$5,000 to $20,000	63	177	1.7	738,531	1.4	401,968	1.5
$20,000 to $100,000	52	528	5.0	2,172,819	4.2	1,122,934	4.3
$100,000 to $500,000	35	1,734	16.5	8,774,995	16.8	3,724,367	14.3
$500,000 to $1,000,000	7	1,100	10.5	4,830,443	9.3	2,546,210	9.8
$1,000,000 and over	11	6,962	66.2	35,511,008	68.1	18,247,171	69.9
HAZLETON	74	3,815	100.0	14,830,168	100.0	5,975,185	100.0
Less than $5,000	15	8	0.2	39,792	0.3	22,140	0.4
$5,000 to $20,000	21	110	2.9	237,011	1.6	122,744	2.1
$20,000 to $100,000	26	358	9.4	1,373,169	9.3	615,881	10.3
$100,000 to $500,000	8	544	14.3	2,167,421	14.6	1,200,524	20.1
$500,000 and over	4	2,795	73.3	11,012,775	74.3	4,013,896	67.2
HOMESTEAD	45	513	100.0	3,759,223	100.0	1,754,971	100.0
Less than $5,000	20	11	2.1	60,078	1.6	34,473	2.0
$5,000 to $20,000	11	23	4.5	106,154	2.8	59,036	3.4
$20,000 to $100,000	6	62	12.1	288,060	7.7	143,535	8.2
$100,000 and over	8	417	81.3	3,304,931	87.9	1,517,927	86.5
JEANNETTE	32	1,990	100.0	8,546,036	100.0	5,941,941	100.0
Less than $5,000	3	2	0.1	8,198	0.1	5,078	0.1
$5,000 to $20,000	13	27	1.4	188,209	2.2	71,415	1.2
$20,000 to $100,000	8	79	4.0	316,941	3.7	184,899	3.1
$100,000 to $1,000,000	5	657	33.0	1,757,611	20.6	1,222,645	20.6
$1,000,000 and over	3	1,225	61.6	6,275,077	73.4	4,457,904	75.0
JOHNSTOWN	149	12,855	100.0	$90,468,742	100.0	$37,043,617	100.0
Less than $5,000	25	21	0.2	73,143	0.1	42,521	0.1
$5,000 to $20,000	46	116	0.9	499,798	0.6	273,968	0.7
$20,000 to $100,000	46	558	4.3	2,390,446	2.6	1,113,726	3.0
$100,000 to $500,000	20	884	6.9	4,804,346	5.4	2,423,322	6.5
$500,000 to $1,000,000	6	465	3.6	4,164,246	4.6	1,428,043	3.9
$1,000,000 and over	6	10,811	84.1	78,476,763	86.7	31,762,037	85.7
LANCASTER	285	9,444	100.0	48,025,759	100.0	21,305,352	100.0
Less than $5,000	70	43	0.5	182,481	0.4	113,872	0.5
$5,000 to $20,000	76	281	3.0	845,147	1.8	517,458	2.4
$20,000 to $100,000	69	767	8.1	2,959,990	6.2	1,448,728	6.8
$100,000 to $500,000	48	2,396	25.4	10,203,857	21.2	4,562,652	21.4
$500,000 to $1,000,000	12	1,781	18.9	7,778,061	16.2	3,767,849	17.7
$1,000,000 and over	10	4,176	44.2	26,056,223	54.3	10,894,793	51.1
LEBANON	103	5,651	100.0	23,242,000	100.0	11,494,016	100.0
Less than $5,000	23	11	0.2	36,191	0.2	21,589	0.2
$5,000 to $20,000	18	56	1.0	212,256	0.9	107,580	0.9
$20,000 to $100,000	28	513	9.1	1,446,453	6.2	732,464	6.4
$100,000 to $500,000	21	834	14.8	4,288,529	18.5	1,875,980	16.3
$500,000 to $1,000,000	8	1,087	19.2	4,719,154	20.3	1,950,745	17.0
$1,000,000 and over	5	3,150	55.7	12,539,417	54.0	6,805,658	59.2
MCKEESPORT	82	11,909	100.0	105,058,713	100.0	46,215,120	100.0
Less than $5,000	8	6	0.1	20,750	(1)	14,196	(1)
$5,000 to $20,000	36	77	0.6	407,626	0.4	214,431	0.5
$20,000 to $100,000	21	149	1.3	833,603	0.8	404,124	0.9
$100,000 to $500,000	9	329	2.8	2,033,715	1.9	937,934	2.0
$500,000 and over	8	11,348	95.3	101,763,019	96.9	44,644,435	96.6
MCKEES ROCKS	34	3,114	100.0	13,201,791	100.0	7,093,104	100.0
Less than $5,000	6	2	0.1	16,332	0.1	9,056	0.1
$5,000 to $20,000	10	22	0.7	111,834	0.8	65,377	0.9
$20,000 to $100,000	7	73	2.3	303,157	2.3	166,057	2.3
$100,000 to $500,000	5	385	12.4	1,466,835	11.1	702,016	9.9
$500,000 to $1,000,000	3	350	11.2	1,943,490	14.7	926,539	13.1
$1,000,000 and over	3	2,282	73.3	9,360,143	70.9	5,224,059	73.6
MAHANOY CITY	24	450	100.0	1,086,619	100.0	584,485	100.0
Less than $5,000	6	11	2.4	17,916	1.6	11,726	2.0
$5,000 to $20,000	4	33	7.3	59,505	5.5	38,585	6.6
$20,000 and over	14	406	90.2	1,009,198	92.9	534,174	91.4
MEADVILLE	43	1,841	100.0	7,943,712	100.0	4,160,470	100.0
Less than $5,000	7	3	0.2	22,286	0.3	11,339	0.3
$5,000 to $20,000	11	45	2.4	134,972	1.7	61,552	1.5
$20,000 to $100,000	13	226	12.3	607,476	7.6	332,268	8.0
$100,000 to $500,000	6	259	14.1	1,132,123	14.2	717,901	17.3
$500,000 to $1,000,000	3	342	18.6	1,871,244	23.5	1,446,311	34.8
$1,000,000 and over	3	966	52.5	4,180,611	52.6	1,591,099	38.2
MOUNT CARMEL	35	1,221	100.0	3,382,485	100.0	1,585,900	100.0
Less than $5,000	12	4	0.3	29,326	0.9	12,611	0.8
$5,000 to $20,000	11	26	2.1	107,919	3.2	46,152	2.9
$20,000 to $100,000	6	212	17.4	304,312	9.0	150,136	9.5
$100,000 to $500,000	3	154	12.6	695,582	20.6	303,915	19.2
$500,000 to $1,000,000	3	825	67.6	2,245,346	66.4	1,073,086	67.7
NANTICOKE	36	1,029	100.0	2,015,014	100.0	1,186,640	100.0
Less than $5,000	15	10	1.0	40,258	2.0	23,211	2.0
$5,000 to $20,000	7	21	2.0	62,348	3.1	24,809	2.1
$20,000 to $100,000	10	229	22.3	494,665	24.5	274,933	23.2
$100,000 and over	4	769	74.7	1,417,743	70.4	863,687	72.8
NEW CASTLE	87	8,014	100.0	91,370,618	100.0	26,504,347	100.0
Less than $5,000	12	4	(1)	22,982	(1)	13,060	(1)
$5,000 to $20,000	26	48	0.6	304,848	0.3	161,160	0.6
$20,000 to $100,000	23	188	2.3	1,035,203	1.1	254,516	1.0
$100,000 to $500,000	13	474	5.9	2,550,150	2.8	1,198,127	4.5
$500,000 to $1,000,000	3	763	9.5	2,282,069	2.5	1,533,579	5.8
$1,000,000 and over	10	6,537	81.6	85,175,366	93.2	23,343,905	88.1
NEW KENSINGTON	48	3,704	100.0	22,550,749	100.0	7,797,907	100.0
Less than $5,000	13	3	0.1	30,208	0.1	18,623	0.2
$5,000 to $20,000	18	48	1.3	213,133	0.9	111,966	1.4
$20,000 to $100,000	8	92	2.5	333,045	1.5	158,457	2.0
$100,000 to $1,000,000	4	241	6.5	1,308,423	5.8	304,725	3.9
$1,000,000 and over	5	3,320	89.6	20,665,937	91.6	7,204,136	92.4
NORRISTOWN	100	3,534	100.0	18,334,230	100.0	8,826,735	100.0
Less than $5,000	19	6	0.2	41,815	0.2	21,790	0.2
$5,000 to $20,000	21	56	1.6	237,263	1.3	106,156	1.2
$20,000 to $100,000	27	385	10.9	1,228,757	6.7	680,746	7.7
$100,000 to $500,000	19	867	24.5	4,782,585	26.1	1,928,760	21.9
$500,000 to $1,000,000	11	1,403	39.7	7,644,442	41.7	3,636,855	41.2
$1,000,000 and over	3	817	23.1	4,399,368	24.0	2,452,428	27.8

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

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

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
OIL CITY	37	3,306	100.0	$14,068,715	100.0	$8,571,782	10.00
Less than $5,000	4	3	0.1	11,854	0.1	5,530	0.1
$5,000 to $20,000	8	24	0.7	78,251	0.6	51,639	0.6
$20,000 to $100,000	14	90	2.7	547,951	3.9	249,969	2.9
$100,000 to $1,000,000	7	426	12.9	2,611,507	18.6	1,078,338	12.6
$1,000,000 and over	4	2,763	83.6	10,819,152	76.9	7,186,306	83.8
OLD FORGE	8	262	100.0	236,196	100.0	160,778	100.0
Less than $20,000	5	4	1.5	41,002	17.4	15,165	9.4
$20,000 to $100,000	3	258	98.5	195,194	82.6	145,613	90.6
PHILADELPHIA	9,064	281,105	100.0	1,996,481,074	100.0	840,140,755	100.0
Less than $5,000	1,850	1,022	0.4	4,642,172	0.2	3,101,879	0.4
$5,000 to $20,000	2,604	7,051	2.5	28,146,472	1.4	16,417,709	2.0
$20,000 to $100,000	2,436	25,422	9.0	111,819,626	5.6	58,793,665	7.0
$100,000 to $500,000	1,519	60,142	21.4	340,259,901	17.0	158,263,057	18.8
$500,000 to $1,000,000	315	33,873	12.0	217,401,873	10.9	94,616,268	11.3
$1,000,000 and over	340	153,595	54.6	1,294,211,030	64.8	508,948,177	60.6
PHOENIXVILLE	32	2,410	100.0	12,435,097	100.0	4,763,323	100.0
Less than $5,000	4	1	(1)	10,540	0.1	4,749	0.1
$5,000 to $20,000	12	32	1.3	165,276	1.3	79,564	1.7
$20,000 to $100,000	7	83	3.4	276,581	2.2	114,646	2.4
$100,000 to $500,000	5	220	9.1	1,495,437	12.0	349,955	7.3
$500,000 and over	4	2,074	86.1	10,487,263	84.3	4,214,409	88.5
PITTSBURGH	1,875	83,290	100.0	614,726,978	100.0	247,861,681	100.0
Less than $5,000	269	123	0.1	757,582	0.1	502,203	0.2
$5,000 to $20,000	600	1,399	1.7	6,578,411	1.1	3,893,999	1.6
$20,000 to $100,000	560	5,306	6.4	25,788,478	4.2	14,360,246	5.8
$100,000 to $500,000	280	10,257	12.3	62,245,951	10.1	29,425,828	11.9
$500,000 to $1,000,000	50	6,280	7.5	34,847,253	5.7	16,190,372	6.5
$1,000,000 and over	116	59,925	71.9	484,509,303	78.8	183,489,033	74.0
PITTSTON	40	974	100.0	3,835,864	100.0	2,093,594	100.0
Less than $5,000	10	6	0.6	27,390	0.7	19,237	0.9
$5,000 to $20,000	3	6	0.6	19,980	0.5	15,176	0.7
$20,000 to $100,000	15	103	10.6	695,210	18.1	308,840	14.8
$100,000 and over	12	859	88.2	3,093,284	80.6	1,750,341	83.6
PLYMOUTH	21	588	100.0	1,285,256	100.0	632,209	100.0
Less than $5,000	7	3	0.5	22,821	1.8	14,133	2.2
$5,000 to $100,000	9	111	18.9	362,991	28.2	180,753	28.6
$100,000 to $500,000	5	474	80.6	899,444	70.0	437,323	69.2
POTTSTOWN	86	4,099	100.0	23,582,795	100.0	8,066,326	100.0
Less than $5,000	11	4	0.1	22,593	0.1	15,716	0.2
$5,000 to $20,000	20	122	3.0	347,301	1.5	189,419	2.3
$20,000 to $100,000	20	189	4.6	988,058	4.2	481,407	6.0
$100,000 to $500,000	15	1,039	25.3	3,519,798	14.9	1,936,328	24.0
$500,000 to $1,000,000	4	591	14.4	3,028,834	12.8	973,682	12.1
$1,000,000 and over	7	2,154	52.5	15,676,211	66.5	4,469,774	55.4
POTTSVILLE	91	2,977	100.0	16,115,011	100.0	6,048,082	100.0
Less than $5,000	20	12	0.4	51,019	0.3	29,207	0.5
$5,000 to $20,000	23	69	2.3	274,005	1.7	126,941	2.1
$20,000 to $100,000	20	312	10.5	1,135,370	7.0	508,334	8.4
$100,000 to $500,000	17	715	24.0	3,502,406	21.7	1,113,187	18.4
$500,000 and over	5	1,869	62.8	11,152,211	69.2	4,270,413	70.6
PUNXSUTAWNEY	36	457	100.0	3,268,087	100.0	1,175,334	100.0
Less than $5,000	7	5	1.1	15,509	0.5	7,835	0.7
$5,000 to $20,000	12	40	8.8	161,818	5.0	90,528	7.7
$20,000 to $100,000	12	142	31.1	634,919	19.4	248,507	21.1
$100,000 and over	5	270	59.1	2,455,841	75.1	828,464	70.5
READING	527	29,122	100.0	141,560,831	100.0	58,867,003	100.0
Less than $5,000	119	62	0.2	289,364	0.2	179,308	0.3
$5,000 to $20,000	125	345	1.2	1,350,544	1.0	732,398	1.2
$20,000 to $100,000	123	1,790	6.1	5,914,269	4.2	2,912,590	4.9
$100,000 to $500,000	111	6,268	21.5	27,639,134	19.5	12,472,082	21.2
$500,000 to $1,000,000	26	3,372	11.6	17,678,544	12.5	8,071,817	13.7
$1,000,000 and over	23	17,285	59.4	88,688,976	62.7	34,498,808	58.6
SCRANTON	311	14,467	100.0	54,629,522	100.0	25,683,872	100.0
Less than $5,000	45	27	0.2	116,478	0.2	71,570	0.3
$5,000 to $20,000	78	272	1.9	869,536	1.6	471,344	1.8
$20,000 to $100,000	95	1,591	11.0	4,440,474	8.1	2,466,418	9.6
$100,000 to $500,000	71	4,786	33.1	17,731,312	32.5	8,299,992	32.3
$500,000 to $1,000,000	13	2,556	17.7	8,960,388	16.4	4,545,661	17.7
$1,000,000 and over	9	5,235	36.2	22,511,334	41.2	9,828,887	38.3
SHAMOKIN	67	3,251	100.0	11,600,141	100.0	3,378,117	100.0
Less than $5,000	18	6	0.2	42,111	0.4	21,203	0.6
$5,000 to $20,000	20	54	1.7	185,596	1.6	95,790	2.8
$20,000 to $100,000	16	169	5.2	623,925	5.4	329,314	9.7
$100,000 to $500,000	10	595	18.3	2,037,410	17.6	957,327	28.3
$1,000,000 and over	3	2,427	74.7	8,711,099	75.1	1,974,483	58.5
SHARON	40	2,707	100.0	$18,030,458	100.0	$7,357,023	100.0
Less than $5,000	7	3	0.1	21,339	0.1	12,493	0.2
$5,000 to $20,000	11	25	0.9	125,024	0.7	55,957	0.8
$20,000 to $100,000	11	112	4.1	559,759	3.1	293,879	4.0
$100,000 to $500,000	6	179	6.6	844,635	4.7	437,532	5.9
$1,000,000 and over	5	2,388	88.2	16,479,701	91.4	6,557,162	89.1
SHENANDOAH	39	759	100.0	4,028,327	100.0	1,687,224	100.0
Less than $5,000	10	10	1.3	26,834	0.6	15,122	0.9
$5,000 to $20,000	8	29	3.8	80,078	2.7	42,199	2.5
$20,000 to $100,000	15	291	38.3	698,980	17.4	295,038	17.5
$100,000 to $500,000	3	206	27.1	792,990	19.7	438,526	26.0
$500,000 and over	3	223	29.4	2,429,445	60.3	896,339	53.1
SUNBURY	45	2,128	100.0	10,130,785	100.0	4,307,941	100.0
Less than $5,000	11	5	0.2	25,543	0.3	13,594	0.3
$5,000 to $20,000	15	34	1.6	158,361	1.6	74,153	1.7
$20,000 to $100,000	12	143	6.7	574,185	5.7	275,841	6.4
$100,000 to $500,000	3	79	3.7	747,544	7.4	233,378	5.4
$500,000 and over	4	1,867	87.7	8,625,152	85.1	3,710,975	86.1
TAMAQUA	31	806	100.0	2,956,545	100.0	1,185,769	100.0
Less than $5,000	5	1	0.1	6,591	0.2	3,093	0.3
$5,000 to $20,000	9	42	5.2	96,321	3.3	46,993	4.0
$20,000 to $100,000	12	223	27.7	672,965	22.8	232,732	19.6
$100,000 and over	5	540	67.0	2,180,668	73.8	902,951	76.1
UNIONTOWN	48	573	100.0	3,320,002	100.0	1,590,318	100.0
Less than $5,000	7	3	0.5	17,814	0.5	10,726	0.7
$5,000 to $20,000	19	52	9.1	231,790	7.0	144,140	9.1
$20,000 to $100,000	11	107	18.7	480,385	14.5	281,372	17.7
$100,000 and over	11	411	71.7	2,590,013	78.0	1,154,080	72.6
WARREN	89	2,154	100.0	18,091,994	100.0	6,297,255	100.0
Less than $5,000	23	17	0.8	49,733	0.3	28,810	0.5
$5,000 to $20,000	17	43	2.0	161,040	0.9	91,363	1.5
$20,000 to $100,000	28	374	17.4	1,415,357	7.8	798,462	12.7
$100,000 to $500,000	9	421	19.5	2,443,627	13.5	1,222,212	19.4
$500,000 to $1,000,000	5	619	28.7	3,406,155	18.8	1,366,662	21.7
$1,000,000 and over	7	680	31.6	10,616,082	58.7	2,789,746	44.3
WASHINGTON	92	2,880	100.0	13,837,807	100.0	7,685,269	100.0
Less than $5,000	14	4	0.1	42,835	0.3	25,510	0.3
$5,000 to $20,000	47	86	3.0	543,567	3.9	239,340	3.1
$20,000 to $100,000	20	174	6.0	791,857	5.7	421,491	5.5
$100,000 to $500,000	7	224	7.8	1,419,437	10.3	685,842	8.9
$500,000 and over	4	2,392	83.1	11,040,111	79.8	6,313,086	82.1
WEST CHESTER	52	1,005	100.0	3,994,654	100.0	2,306,364	100.0
Less than $5,000	10	5	0.5	24,239	0.6	17,760	0.8
$5,000 to $20,000	20	73	7.3	217,913	5.5	128,206	5.6
$20,000 to $100,000	15	161	16.0	721,742	18.1	401,595	17.4
$100,000 and over	7	766	76.2	3,030,760	75.9	1,758,803	76.3
WILKES-BARRE	179	9,408	100.0	41,986,203	100.0	21,902,859	100.0
Less than $5,000	33	25	0.3	103,394	0.2	64,807	0.3
$5,000 to $20,000	59	182	1.9	669,499	1.6	376,077	1.7
$20,000 to $100,000	44	427	4.5	1,961,664	4.7	1,005,450	4.6
$100,000 to $500,000	29	1,154	12.3	6,500,505	15.5	3,161,788	14.4
$500,000 to $1,000,000	6	2,229	23.7	3,904,790	9.3	2,749,891	12.6
$1,000,000 and over	8	5,391	57.3	28,846,351	68.7	14,544,846	66.4
WILKINSBURG	49	323	100.0	1,703,167	100.0	840,348	100.0
Less than $5,000	7	7	2.2	27,331	1.6	17,377	2.1
$5,000 to $20,000	19	36	11.1	179,597	10.5	101,359	12.1
$20,000 to $100,000	16	75	23.2	480,963	28.2	253,905	30.2
$100,000 to $500,000	7	205	63.5	1,015,276	59.6	467,707	55.7
WILLIAMSPORT	145	8,566	100.0	41,658,834	100.0	18,403,536	100.0
Less than $5,000	15	9	0.1	38,656	0.1	16,478	0.1
$5,000 to $20,000	41	132	1.5	428,172	1.0	236,834	1.3
$20,000 to $100,000	38	461	5.4	1,682,665	4.0	876,254	4.8
$100,000 to $500,000	32	1,877	21.9	7,331,183	17.6	3,952,520	21.5
$500,000 to $1,000,000	7	854	10.0	4,917,680	11.8	2,156,806	11.7
$1,000,000 and over	12	5,233	61.1	27,260,478	65.4	11,164,584	60 7
YORK	273	13,368	100.0	59,588,904	100.0	30,214,530	100.0
Less than $5,000	56	33	0.2	118,278	0.2	68,542	0.2
$5,000 to $20,000	64	327	2.4	708,969	1.2	387,513	1.3
$20,000 to $100,000	71	1,100	8.2	3,338,999	5.6	1,737,328	5.7
$100,000 to $500,000	58	3,304	24.7	14,179,487	23.8	6,787,700	22.5
$500,000 to $1,000,000	10	963	7.2	6,383,999	10.7	2,397,023	7.9
$1,000,000 and over	14	7,641	57.2	34,859,172	58.5	18,836,424	62.3
ALL OTHER CITIES [2]	228	39,113	100.0	414,335,845	100.0	129,870,980	100.0
Less than $5,000	43	20	0.1	109,577	(1)	63,700	(1)
$5,000 to $20,000	68	128	0.3	790,366	0.2	381,950	0.3
$20,000 to $100,000	63	394	1.0	2,444,915	0.6	1,074,350	0.8
$100,000 to $500,000	29	839	2.1	3,953,968	1.0	1,600,819	1.2
$500,000 to $1,000,000	3	650	1.7	2,315,616	0.6	1,340,795	1.0
$1,000,000 and over	31	37,082	94.8	404,721,403	97.7	125,409,366	96.6

[1] Less than one-tenth of 1 per cent.
[2] All other cities embrace: Berwick, Coatesville, Donora, Duquesne, Farrell, Monessen, North Braddock, Olyphant, Steelton, Swissvale, and Woodlawn.

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

INDUSTRY AND CITY.	Census year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.						VALUE OF PRODUCTS.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations	All others.
All industries	1919	14,244	7,892	5,837	1,135,837	77,652	981,877	76,308	6.8	86.4	6.7	$7,315,702,867	$431,125,113	$6,414,030,288	$470,547,466	5.9	87.7	6.4
	1914	15,636	6,651	5,234	924,478	98,253	721,070	105,155	10.6	78.0	11.4	2,832,349,437	249,990,365	2,319,666,599	262,692,473	8.8	81.9	9.3
	1909	16,051	5,880	5,632	877,543	111,437	642,866	123,240	12.7	73.3	14.0	2,626,742,034	267,060,904	2,053,458,538	306,222,592	10.2	78.2	11.7
Boots and shoes, not including rubber boots and shoes.	1919	23	73	32	13,317	490	10,755	2,072	3.7	80.8	15.6	65,411,673	1,837,353	52,317,085	11,256,635	2.8	80.0	17.2
	1914	37	61	33	13,184	1,464	9,010	2,710	11.1	68.3	20.6	27,844,752	2,785,283	19,299,273	5,760,196	10.0	69.3	20.7
Bread and other bakery products.	1919	2,196	146	309	16,410	6,186	9,028	1,196	37.7	55.0	7.3	132,880,426	49,279,026	72,833,331	10,768,069	37.1	54.8	8.1
	1914	2,670	101	216	15,157	7,475	6,513	1,169	49.3	43.0	7.7	54,139,906	26,191,469	24,193,485	3,754,952	48.4	44.7	6.9
Clothing, men's	1919	304	58	240	12,855	2,991	4,624	5,240	23.3	36.0	40.8	73,169,811	15,193,119	21,656,826	36,319,866	20.8	29.6	49.6
	1914	306	22	176	10,236	3,284	2,356	4,596	32.1	23.0	44.9	28,033,167	5,995,521	9,455,298	12,582,348	21.4	33.7	44.9
Clothing, women's	1919	262	76	277	14,364	3,971	4,061	6,332	27.6	28.3	44.1	77,473,729	21,598,862	19,919,194	35,955,673	27.9	25.7	46.4
	1914	214	55	214	17,217	5,220	4,030	7,967	30.3	23.4	46.3	37,059,174	11,682,830	8,298,248	17,078,096	31.5	22.4	46.1
Coke, not including gas-house coke.	1919	17	99	7	11,536	494	10,894	148	4.3	94.4	1.3	119,730,589	5,975,411	112,717,525	1,037,653	5.0	94.1	0.9
	1914	19	83	6	9,871	503	9,198	170	5.1	93.2	1.7	42,996,443	2,997,794	39,381,759	616,890	7.0	91.6	1.4
Confectionery and ice cream.	1919	560	114	165	11,010	2,583	7,348	1,079	23.5	66.7	9.8	71,120,044	16,718,710	48,044,152	6,357,182	23.5	67.6	8.9
	1914	467	76	109	8,038	2,181	5,127	730	27.1	63.8	9.1	24,087,510	7,163,972	14,640,904	2,282,634	29.7	60.8	9.5
Cotton goods	1919	30	69	28	9,767	885	7,383	1,499	9.1	75.6	15.3	66,404,059	5,043,177	51,809,923	9,550,959	7.6	78.0	14.4
	1914	32	50	34	9,158	1,168	5,233	2,757	12.8	57.1	30.1	22,408,007	2,341,904	14,432,261	5,633,842	10.4	64.4	25.1
Electrical machinery, apparatus, and supplies	1919	26	87	16	24,228	323	23,788	117	1.3	98.2	0.5	132,673,856	2,777,588	129,279,238	617,030	2.1	97.4	0.5
	1914	16	73	16	14,866	480	14,233	153	3.2	95.7	1.0	44,395,789	1,958,552	42,071,501	365,736	4.4	94.8	0.8
Engines, steam, gas, and water.	1919	3	28	3	9,711	10	9,662	39	0.1	99.5	0.4	52,574,026	52,050	52,407,206	114,770	0.1	99.7	0.2
	1914	13	37	6	5,222	139	5,063	20	2.7	97.0	0.4	11,391,872	243,205	11,119,227	29,440	2.1	97.6	0.3
Flour-mill and gristmill products.	1919	372	87	679	2,198	620	699	879	28.2	31.8	40.0	69,446,449	18,742,221	26,254,450	24,449,778	27.0	37.8	35.2
	1914	878	75	312	2,595	1,139	755	701	43.9	29.1	27.0	43,626,356	15,824,454	16,785,970	11,015,932	36.3	38.5	25.2
Foundry and machine-shop products.[1]	1919	487	691	229	79,009	3,801	71,985	3,223	4.8	91.1	4.1	401,357,909	15,220,637	373,924,527	12,212,745	3.8	93.2	3.0
	1914	423	571	237	57,116	2,673	50,914	3,529	4.7	89.1	6.2	140,799,115	5,466,120	128,959,748	6,373,247	3.9	91.6	4.5
Glass	1919	4	94	4	21,602	47	21,331	224	0.2	98.7	1.0	80,479,752	94,241	79,733,933	651,578	0.1	99.1	0.8
	1914	1	94	8	23,606	.....	22,709	[2] 897	.....	96.2	3.8	39,797,822	.....	38,595,829	[2] 1,201,993	.....	97.0	3.0
Knit goods	1919	169	279	158	44,156	5,540	30,996	7,620	12.5	70.2	17.3	188,260,800	22,501,626	135,402,862	30,356,312	12.0	71.9	16.1
	1914	183	179	136	41,130	7,234	26,718	7,178	17.6	65.0	17.5	64,153,449	10,955,854	41,994,741	11,202,854	17.1	65.5	17.5
Leather, tanned, curried, and finished.	1919	9	64	19	13,749	366	11,559	1,824	2.7	84.1	13.3	211,389,349	3,771,932	173,044,274	34,573,143	1.8	81.9	16.4
	1914	14	77	29	11,988	191	9,706	2,091	1.6	81.0	17.5	85,252,532	802,688	65,781,277	18,668,567	0.9	77.2	21.9
Liquors, malt	1919	29	119	18	5,231	494	4,430	307	9.4	84.7	5.9	59,331,515	5,500,635	50,853,773	2,977,107	9.3	85.7	5.0
	1914	34	157	24	7,512	613	6,372	527	8.2	84.8	7.0	50,362,792	3,518,871	43,668,637	3,175,284	7.0	86.7	6.3
Paper and wood pulp	1919	5	45	6	9,843	105	9,620	118	1.1	97.7	1.2	64,715,767	605,030	63,514,550	596,187	0.9	98.1	0.9
	1914	11	39	3	7,447	310	6,853	284	4.2	92.0	3.8	25,439,346	829,064	23,649,531	960,751	3.3	93.0	3.8
Petroleum, refining	1919	6	41	6	8,235	164	7,993	78	2.0	97.1	0.9	178,825,632	5,796,115	169,785,472	3,244,045	3.2	94.9	1.8
	1914	4	34	10	4,902	123	4,528	251	2.5	92.4	5.1	52,875,101	2,204,024	46,654,960	4,016,117	4.2	88.2	7.6
Printing and publishing, book and job.	1919	862	186	241	10,461	2,544	6,087	1,830	24.3	58.2	17.5	46,152,747	10,546,493	28,104,333	7,501,921	22.9	60.9	16.3
	1914	796	171	239	10,139	3,087	5,232	1,820	30.4	51.6	18.0	25,285,844	6,813,475	14,492,606	3,979,763	26.9	57.3	15.7
Printing and publishing, newspapers and periodicals.	1919	436	323	204	12,331	1,619	9,714	998	13.1	78.8	8.1	106,666,923	11,878,236	89,589,819	5,198,868	11.1	84.0	4.9
	1914	576	334	223	12,750	2,306	9,568	876	18.1	75.0	6.9	52,239,269	6,601,994	42,384,125	3,253,150	12.6	81.1	6.2
Silk goods, including throwsters.	1919	31	300	42	53,052	1,330	48,572	3,150	2.5	91.6	5.9	231,711,352	3,588,141	212,131,125	15,992,086	1.5	91.5	6.9
	1914	26	207	51	44,755	3,598	35,487	5,670	8.0	79.3	12.7	86,938,554	5,975,213	68,326,411	12,636,930	6.9	78.6	14.5
Slaughtering and meat packing.	1919	98	47	31	4,438	723	3,534	181	16.3	79.6	4.1	122,862,240	19,624,444	96,076,971	7,160,825	16.0	78.2	5.8
	1914	68	43	35	3,616	699	2,668	249	19.3	73.8	6.9	65,191,272	10,326,760	50,737,815	4,126,697	15.8	77.8	6.3
Structural ironwork, not made in steel works or rolling mills.	1919	62	67	16	10,722	397	10,060	265	3.7	93.8	2.5	78,305,995	1,757,279	74,801,765	1,746,951	2.2	95.5	2.2
	1914	63	52	22	9,308	570	8,271	467	6.1	88.8	5.0	35,763,060	1,245,450	33,337,463	1,180,147	3.5	93.2	3.3
Tobacco, cigars and cigarettes.	1919	1,208	217	170	30,380	5,532	21,209	3,639	18.2	69.8	12.0	98,370,923	16,218,892	71,063,486	11,088,545	16.5	72.2	11.3
	1914	1,777	113	231	36,931	8,395	16,755	11,781	22.7	45.4	31.9	52,021,430	12,590,514	23,836,006	15,594,910	24.2	45.8	30.0
Woolen goods	1919	31	55	22	7,398	910	5,267	1,221	12.3	71.2	16.5	48,239,627	5,440,246	35,058,669	7,740,712	11.3	72.7	16.0
	1914	31	41	23	5,960	864	3,480	1,616	14.5	58.4	27.1	15,460,489	3,425,747	8,282,783	3,751,959	22.2	53.6	24.3
Worsted goods	1919	14	57	18	15,400	819	12,531	2,050	5.3	81.4	13.3	118,475,141	7,457,363	92,748,911	18,268,867	6.3	78.3	15.4
	1914	23	49	19	17,892	2,735	12,829	2,328	15.3	71.7	13.0	47,652,571	8,417,120	32,012,980	7,222,471	17.7	67.2	15.2
Total for cities	1919	8,611	4,802	3,321	701,136	51,957	596,093	53,086	7.4	85.0	7.6	4,662,795,488	305,404,999	4,012,590,037	344,800,452	6.5	86.1	7.4
	1914	8,704	3,967	3,003	576,005	65,560	437,326	73,119	11.4	75.9	12.7	1,772,816,247	169,100,217	1,423,174,992	180,541,038	9.5	80.3	10.2
ALLENTOWN	1919	157	104	75	14,812	967	12,485	1,360	6.5	84.3	9.2	90,834,488	3,494,185	81,400,640	5,939,663	3.8	89.6	6.5
	1914	148	77	72	13,685	1,574	9,003	3,108	11.5	65.8	22.7	33,918,290	3,449,842	24,397,132	6,071,325	10.2	71.9	17.9
ALTOONA	1919	34	16	14	12,899	243	12,398	159	1.9	96.9	1.2	53,946,093	1,927,662	51,214,839	803,592	3.6	94.9	1.5
	1914	45	15	10	10,732	271	10,312	149	2.5	96.1	1.4	22,592,676	751,231	21,356,428	485,017	3.3	94.5	2.1
AMBRIDGE	1919	8	10	4	3,414	23	3,381	10	0.7	99.0	0.3	26,768,145	151,895	26,532,566	83,684	0.6	99.1	0.3
BEAVER FALLS	1919	28	25	18	3,204	59	3,085	60	1.8	96.3	1.9	20,414,439	373,008	19,713,180	328,251	1.8	96.6	1.6
	1914	22	24	13	2,639	45	2,546	48	1.7	96.5	1.8	7,963,420	174,668	7,668,559	120,193	2.2	96.3	1.5
BETHLEHEM	1919	37	37	12	14,961	145	14,786	30	1.0	98.8	0.2	102,567,075	778,779	101,422,792	365,504	0.8	98.9	0.4
	1914	44	20	19	12,388	280	11,048	1,060	2.3	89.2	8.6	43,965,949	782,787	40,567,874	2,615,288	1.8	92.3	5.9

[1] Includes "iron and steel, tempering, and welding"; "machine tools"; "steel barrels, drums, and tanks"; and "textile machinery and parts."
[2] Includes the group "Individuals."

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

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.						Value of products.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.	
		Individuals.	Corporations	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations	All others.
Braddock	1919	24	13	12	1,170	52	1,068	50	4.4	91.3	4.3	$9,438,995	$353,665	$8,645,087	$440,243	3.7	91.6	4.7
	1914	20	11	8	1,140	90	1,027	23	7.9	90.1	2.0	4,021,540	320,051	3,612,638	88,851	8.0	89.8	2.2
Bradford	1919	39	30	14	1,539	168	1,174	197	10.9	76.3	12.8	10,861,158	3,131,669	6,970,549	758,940	28.8	64.2	7.0
	1914	35	25	11	1,178	155	810	213	13.1	68.8	18.1	4,034,401	1,326,421	2,331,752	376,228	32.9	57.8	9.3
Bristol	1919	16	10	8	1,470	26	1,120	324	1.8	76.2	22.0	5,697,607	165,094	3,590,347	1,942,166	2.9	63.0	34.1
	1914	20	8	4	1,809	1,114	596	99	61.6	32.9	5.5	5,037,120	3,802,577	975,993	258,550	75.5	19.4	5.1
Butler	1919	38	20	19	3,744	114	3,490	140	3.0	93.2	3.7	44,476,790	995,448	42,513,814	967,528	2.2	95.6	2.2
	1914	36	16	17	3,303	110	2,768	425	3.3	83.8	12.9	15,006,393	503,178	13,663,022	840,193	3.4	91.0	5.6
Canonsburg	1919	14	9	9	2,971	27	2,930	14	0.9	98.6	0.5	16,894,336	229,882	16,265,307	399,147	1.4	96.3	2.4
Carbondale	1919	25	13	5	861	62	788	11	7.2	91.5	1.3	3,187,996	351,906	2,787,373	48,717	11.0	87.4	1.5
	1914	28	13	2	1,897	87	1,793	17	4.5	94.6	0.9	3,170,410	244,144	2,889,966	36,300	7.7	91.2	1.1
Carlisle	1919	17	14	13	1,422	55	1,105	262	3.9	77.7	18.4	6,543,455	229,157	5,302,222	1,012,076	3.5	81.0	15.5
	1914	22	15	13	1,603	98	1,253	252	6.1	78.2	15.7	3,414,959	209,566	2,663,997	541,396	6.1	78.0	15.9
Carnegie	1919	11	7	8	222	30	162	30	13.5	73.0	13.5	2,789,605	174,209	2,348,532	266,864	6.2	84.2	9.6
	1914	6	8	5	337	20	295	22	5.9	87.6	6.5	1,724,111	93,171	1,554,750	76,190	5.4	90.2	4.4
Carrick	1919	4	.....	1	16	[1] 16	.....	.....	100.0	.....	.....	120,849	[1] 120,849	.....	.....	100.0	.....	.....
Chambersburg	1919	24	19	13	1,996	88	1,866	42	4.4	93.5	2.1	8,791,872	294,731	8,299,576	197,565	3.4	94.4	2.2
	1914	25	16	18	1,650	113	1,367	170	6.8	82.8	10.3	3,075,292	210,833	2,475,294	389,165	6.8	80.5	12.7
Charleroi	1919	17	13	5	2,023	26	1,988	9	1.3	98.3	0.4	5,687,212	252,323	5,333,394	101,495	4.4	93.8	1.8
	1914	15	13	1	1,904	17	1,857	30	0.9	97.5	1.6	2,909,338	109,413	2,759,760	40,165	3.8	94.8	1.4
Chester	1919	59	48	20	18,677	603	17,405	669	3.2	93.2	3.6	95,949,003	3,371,049	88,110,142	4,467,812	3.5	91.8	4.7
	1914	77	53	23	6,295	528	5,339	428	8.4	84.8	6.8	21,021,170	1,334,348	17,911,840	1,774,982	6.3	85.2	8.4
Columbia	1919	36	16	4	2,322	687	1,586	49	29.6	68.3	2.1	9,812,018	2,358,226	7,233,116	220,676	24.0	73.7	2.2
	1914	39	14	8	2,141	719	1,328	94	33.6	62.0	4.4	3,340,702	897,827	2,022,841	420,034	26.9	60.5	12.6
Connellsville	1919	18	26	7	1,623	58	1,490	75	3.6	91.8	4.6	4,663,847	335,535	3,963,185	365,127	7.2	85.0	7.8
	1914	18	19	5	1,087	72	946	69	6.6	87.0	6.3	1,993,557	198,605	1,627,210	167,742	10.0	81.6	8.4
Dickson City	1919	4	5	1	806	[1] 7	799	.....	0.9	99.1	.....	903,003	[1] 54,366	848,637	.....	6.0	94.0	.....
Du Bois	1919	15	13	13	1,397	37	1,318	42	2.6	94.3	3.0	3,937,516	265,920	3,467,912	203,684	6.8	88.1	5.2
	1914	11	14	9	1,105	110	958	37	10.0	86.7	3.3	2,394,534	313,619	1,963,113	117,802	13.1	82.0	4.9
Dunmore	1919	15	6	6	1,360	38	1,122	200	2.8	82.5	14.7	3,627,815	212,055	2,287,372	1,128,388	5.8	63.1	31.1
	1914	12	7	5	948	25	864	59	2.6	91.1	6.2	1,268,939	89,795	1,049,617	129,527	7.1	82.7	10.2
Easton	1919	46	37	19	4,672	241	4,263	168	5.2	91.2	3.6	27,011,928	1,825,500	24,064,225	1,122,203	6.8	89.1	4.2
	1914	68	29	21	4,062	2,215	1,637	210	54.5	40.3	5.2	10,357,227	864,958	8,771,457	720,812	8.4	84.6	7.0
Erie	1919	119	133	41	13,297	559	12,341	397	4.2	92.8	3.0	70,407,540	3,704,486	64,919,782	1,783,272	5.3	92.2	2.5
	1914	191	133	39	11,016	862	9,325	829	7.8	84.6	7.5	29,447,084	2,273,973	24,784,382	2,388,729	7.7	84.2	8.1
Greensburg	1919	29	20	17	653	91	495	67	13.9	75.8	10.3	3,999,934	736,767	2,816,715	446,452	18.4	70.4	11.2
	1914	28	11	14	494	109	304	81	22.1	61.5	16.4	1,382,472	320,221	744,327	317,924	23.2	53.8	23.0
Harrisburg	1919	97	72	47	10,522	432	9,318	772	4.1	88.6	7.3	52,152,818	2,701,531	46,073,945	3,377,342	5.2	88.3	6.5
	1914	128	58	33	7,966	528	6,819	619	6.6	85.6	7.8	18,872,156	1,560,575	15,897,480	1,414,101	8.3	84.2	7.5
Hazleton	1919	40	23	11	3,815	267	3,407	141	7.0	89.3	3.7	14,830,168	1,075,062	13,301,533	452,673	7.3	89.7	3.1
	1914	42	16	18	2,744	207	1,623	914	7.5	59.1	33.3	5,593,761	447,935	4,050,708	1,095,118	8.0	72.4	19.6
Homestead	1919	26	13	6	513	25	427	61	4.9	83.2	11.9	3,759,223	136,898	3,255,788	366,537	3.6	86.6	9.8
	1914	12	13	5	260	24	218	18	9.2	83.8	6.9	1,019,118	89,256	844,912	84,950	8.8	82.9	8.3
Jeannette	1919	11	16	5	1,990	27	1,952	11	1.4	98.1	0.6	8,546,036	159,002	8,328,714	58,320	1.9	97.5	0.7
Johnstown	1919	62	61	26	12,855	253	12,407	195	2.0	96.5	1.5	90,468,742	2,369,426	86,907,252	1,192,064	2.6	96.1	1.3
	1914	62	50	24	12,177	263	11,299	615	2.2	92.8	5.0	50,973,960	1,505,560	47,970,404	1,497,996	3.0	94.1	2.9
Lancaster	1919	173	64	48	9,444	973	7,517	954	10.3	79.6	10.1	48,025,759	4,503,914	35,706,756	7,815,089	9.4	74.3	16.3
	1914	186	60	58	8,862	960	5,790	2,112	10.8	65.3	23.8	20,011,393	2,329,891	13,655,816	4,025,686	11.6	68.2	20.1
Lebanon	1919	44	39	20	5,651	342	5,016	293	6.1	88.8	5.2	23,242,000	1,586,376	20,030,125	1,625,499	6.8	86.2	7.0
	1914	51	33	13	5,270	276	4,585	409	5.2	87.0	7.8	9,871,443	804,423	8,206,547	860,473	8.1	83.1	8.7
McKeesport	1919	29	29	24	11,909	96	11,714	99	0.8	98.4	0.8	105,058,713	724,065	103,778,311	559,337	0.7	98.8	0.5
	1914	35	24	14	6,857	138	6,660	59	2.0	97.1	0.9	33,743,329	399,908	33,192,802	150,619	1.2	98.4	0.4
McKees Rocks	1919	16	13	5	3,114	30	3,061	23	1.0	98.3	0.7	13,201,791	180,955	12,892,752	128,084	1.4	97.7	1.0
	1914	16	17	6	3,548	39	3,481	28	1.1	98.1	0.8	7,894,165	95,750	7,738,705	59,710	1.2	98.0	0.8
Mahanoy City	1919	14	4	6	450	180	129	141	40.0	28.7	31.3	1,036,619	292,233	229,508	564,878	26.9	21.1	52.0
	1914	25	2	6	661	428	81	152	64.7	12.3	23.0	1,057,349	290,762	504,083	262,504	27.5	47.7	24.8
Meadville	1919	16	17	10	1,841	66	1,691	84	3.6	91.9	4.6	7,948,712	364,037	7,075,732	508,943	4.6	89.0	6.4
	1914	23	21	13	1,676	67	1,557	52	4.0	92.9	3.1	5,057,962	202,296	4,617,507	238,159	4.0	91.3	4.7
Mount Carmel	1919	18	9	8	1,221	41	1,068	112	3.4	87.5	9.2	3,382,485	415,652	2,824,880	141,953	12.3	83.5	4.2
	1914	13	7	10	978	25	707	246	2.6	72.3	25.1	1,279,906	78,936	748,022	452,948	6.2	58.5	35.4

[1] Includes the group "All others."

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

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.							Value of products.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations	All others.
Nanticoke	1919	23	8	5	1,029	138	874	17	13.4	84.9	1.7	$2,015,014	$330,782	$1,585,172	$99,060	16.4	78.7	4.9
	1914	24	3	8	747	148	45	554	19.8	6.0	74.2	995,335	172,534	313,539	509,262	17.3	31.5	51.2
New Castle	1919	29	41	17	8,014	84	7,839	91	1.0	97.8	1.1	91,370,618	457,979	90,288,154	624,485	0.5	98.8	0.7
	1914	41	42	12	6,381	124	6,184	73	1.9	96.9	1.1	38,384,877	306,274	37,871,955	206,648	0.8	98.7	0.5
New Kensington	1919	30	13	5	3,704	120	3,572	12	3.2	96.4	0.3	22,550,749	678,605	21,813,006	59,138	3.0	96.7	0.3
Norristown	1919	48	40	12	3,534	380	2,847	307	10.8	80.6	8.7	18,334,230	1,987,180	15,034,728	1,312,322	10.8	82.0	7.2
	1914	54	38	13	3,959	496	2,840	623	12.5	71.7	15.7	8,421,430	1,002,562	6,440,728	978,140	11.9	76.5	11.6
Oil City	1919	9	19	9	3,306	11	3,246	49	0.3	98.2	1.5	14,068,715	64,140	13,542,639	461,936	0.5	96.3	3.3
	1914	11	13	12	2,276	36	2,167	73	1.6	95.2	3.2	4,871,981	92,505	4,519,602	259,874	1.9	92.8	5.3
Old Forge	1919	4	1	3	262	6	.....	[1] 256	2.3	.....	97.7	236,196	56,992	.....	[1] 179,204	24.1	.....	75.9
Philadelphia	1919	4,980	2,132	1,952	281,105	30,863	214,640	35,602	11.0	76.4	12.7	1,996,481,074	194,344,844	1,551,205,027	250,931,203	9.7	77.7	12.6
	1914	4,969	1,768	1,717	251,286	39,215	166,706	45,365	15.7	66.3	18.0	784,499,633	107,016,410	559,318,646	118,164,577	13.6	71.3	15.1
Phoenixville	1919	19	9	4	2,410	303	2,050	57	12.6	85.1	2.4	12,435,097	1,183,690	10,942,308	309,099	9.5	88.0	2.5
	1914	16	11	7	2,927	330	2,514	83	11.3	85.9	2.8	6,238,757	691,947	5,255,195	291,615	11.1	84.2	4.7
Pittsburgh	1919	851	704	320	83,290	3,825	76,570	2,895	4.6	91.9	3.5	614,726,978	22,379,151	575,618,764	16,729,063	3.6	93.6	2.7
	1914	825	592	324	69,620	4,074	61,238	4,308	5.9	87.9	6.2	246,694,018	12,699,478	221,999,036	11,995,504	5.1	90.0	4.9
Pittston	1919	20	11	9	974	194	470	310	19.9	48.3	31.8	3,835,864	1,220,544	2,123,926	491,394	31.8	55.4	12.8
	1914	23	8	8	729	248	244	237	34.0	33.5	32.5	1,899,812	643,229	763,322	493,261	33.9	40.2	26.0
Plymouth	1919	11	7	3	588	126	454	8	21.4	77.2	1.4	1,285,256	377,054	863,810	44,392	29.3	67.2	3.5
	1914	10	5	2	478	321	152	5	67.2	31.8	1.0	831,439	553,401	257,933	20,105	66.6	31.0	2.4
Pottstown	1919	45	33	8	4,099	516	3,359	224	12.6	81.9	5.5	23,582,795	2,646,748	18,254,755	2,681,292	11.2	77.4	11.4
	1914	43	22	12	2,622	215	1,997	410	8.2	76.2	15.6	8,865,860	519,399	7,324,159	1,022,302	5.9	82.6	11.5
Pottsville	1919	50	23	18	2,977	290	2,433	254	9.7	81.7	8.5	16,115,011	1,298,303	13,202,779	1,613,929	8.1	81.9	10.0
	1914	78	19	18	3,506	436	2,853	217	12.4	81.4	6.2	10,195,800	793,004	8,614,354	788,442	7.8	84.5	7.7
Punxsutawney	1919	16	14	6	457	82	281	94	17.9	61.5	20.6	3,268,087	497,705	2,308,751	461,631	15.2	70.6	14.1
	1914	12	14	8	710	64	602	44	9.0	84.8	6.2	2,227,620	226,905	1,850,644	150,071	10.2	83.1	6.7
Reading	1919	273	164	90	29,122	3,635	23,822	1,665	12.5	81.8	5.7	141,560,831	17,209,783	116,481,769	7,869,279	12.2	82.3	5.6
	1914	272	120	94	24,131	3,641	17,540	2,950	15.1	72.7	12.2	53,231,926	7,327,304	40,637,649	5,266,973	13.8	76.3	9.9
Scranton	1919	141	128	42	14,467	1,123	12,254	1,090	7.8	84.7	7.5	54,629,522	4,406,212	46,069,059	4,154,251	8.1	84.3	7.6
	1914	155	109	44	12,559	763	11,013	783	6.1	87.7	6.2	28,721,829	2,164,454	24,880,616	1,676,759	7.5	86.6	5.8
Shamokin	1919	33	25	9	3,251	81	3,113	57	2.5	95.8	1.8	11,600,141	339,507	10,914,745	345,889	2.9	94.1	3.0
	1914	29	14	8	2,634	82	2,422	130	3.1	92.0	4.9	5,541,617	218,167	5,030,080	293,370	3.9	90.8	5.3
Sharon	1919	20	14	6	2,707	87	2,460	160	3.2	90.9	5.9	18,030,458	519,268	15,518,388	1,992,802	2.9	86.1	11.1
	1914	24	15	9	2,298	71	2,031	196	3.1	88.4	8.5	6,372,998	205,462	4,837,733	1,329,803	3.2	75.9	20.9
Shenandoah	1919	25	10	4	759	133	554	72	17.5	73.0	9.5	4,028,327	615,514	3,142,472	270,341	15.3	78.0	6.7
	1914	32	8	6	475	202	163	110	42.5	34.3	23.2	1,573,464	368,344	1,165,635	39,485	23.4	74.1	2.5
Sunbury	1919	25	9	11	2,128	90	1,959	79	4.2	92.1	3.7	10,130,785	361,508	8,675,095	1,094,182	3.6	85.6	10.8
	1914	27	10	7	1,718	92	1,580	46	5.4	92.0	2.7	5,115,641	203,492	4,362,920	549,229	4.0	85.3	10.7
Tamaqua	1919	17	10	4	806	74	586	146	9.2	72.7	18.1	2,956,545	425,099	2,366,316	165,130	14.4	80.0	5.6
	1914	31	9	6	974	180	776	18	18.5	79.7	1.8	1,686,748	274,649	1,369,848	42,251	16.3	81.2	2.5
Uniontown	1919	23	12	13	573	88	411	74	15.4	71.7	12.9	3,320,002	596,993	2,159,701	563,308	18.0	65.1	17.0
	1914	21	14	8	776	122	608	46	15.7	78.4	5.9	2,237,177	436,938	1,497,635	302,604	19.5	66.9	13.5
Warren	1919	35	40	14	2,154	205	1,866	83	9.5	86.6	3.9	18,091,994	765,139	16,988,421	338,434	4.2	93.9	1.9
	1914	24	32	16	1,876	141	1,565	170	7.5	83.4	9.1	8,611,207	290,835	7,672,558	647,814	3.4	89.1	7.5
Washington	1919	58	19	15	2,880	204	2,645	31	7.1	91.8	1.1	13,837,807	1,209,289	12,344,500	284,018	8.7	89.2	2.1
	1914	38	20	6	2,002	182	1,773	47	9.1	88.6	2.3	5,093,672	565,753	4,431,804	96,115	11.1	87.0	1.9
West Chester	1919	28	16	8	1,005	95	887	23	9.5	88.3	2.3	3,994,654	484,995	3,357,863	151,796	12.1	84.1	3.8
	1914	39	11	5	894	102	746	46	11.4	83.4	5.1	2,084,505	367,943	1,626,027	90,535	17.7	78.0	4.3
Wilkes-Barre	1919	86	53	40	9,408	369	8,347	692	3.9	88.7	7.4	41,986,203	1,717,898	35,710,284	4,558,021	4.1	85.1	10.9
	1914	100	50	38	8,107	494	6,946	667	6.1	85.7	8.2	16,733,954	1,151,619	14,140,570	1,441,765	6.9	84.5	8.6
Wilkinsburg	1919	30	11	8	323	108	184	31	33.4	57.0	9.6	1,703,167	684,780	846,759	171,628	40.2	49.7	10.1
	1914	17	8	4	194	72	104	18	37.1	53.6	9.3	572,207	252,923	256,505	62,779	44.2	44.8	11.0
Williamsport	1919	56	67	22	8,566	358	8,000	208	4.2	93.4	2.4	41,658,834	2,148,276	38,549,733	960,825	5.2	92.5	2.3
	1914	95	56	25	6,015	514	5,229	272	8.5	86.9	4.5	15,863,699	1,129,186	14,190,927	543,586	7.1	89.5	3.4
York	1919	131	96	46	13,368	904	11,373	1,091	6.8	85.1	8.2	59,588,904	3,967,232	51,533,138	4,088,534	6.7	86.5	6.9
	1914	135	66	46	10,851	1,362	7,225	2,264	12.6	66.6	20.9	22,043,328	2,703,806	15,683,795	3,655,727	12.3	71.1	16.6
All other cities [2]	1919	115	69	44	39,113	311	38,645	157	0.8	98.8	0.4	414,335,845	2,034,372	410,691,375	1,610,098	0.5	99.1	0.4
	1914	56	48	23	22,848	264	21,867	717	1.2	95.7	3.1	105,791,578	645,174	103,642,639	1,503,765	0.6	98.0	1.4

[1] Includes the group "Corporations."
[2] All other cities embrace: Berwick, Coatesville, Donora, Duquesne, Farrell, Monessen, North Braddock, Olyphant, Steelton, Swissvale, and Woodlawn in 1919; and Coatesville, Dickson City, Duquesne, Farrell, Monessen, North Braddock, Old Forge, and Steelton in 1914.

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

	Census year.	Aggregate.	Cities having a population of 10,000 or over.								The state outside of cities having a population of 10,000 or over.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places	1919	.....	77	.....	57	.....	16	.....	4	.....	.....	.....
	1914	.....	68	.....	47	.....	17	.....	4	.....	.....	.....
	1909	.....	63	.....	43	.....	17	.....	3	.....	.....	.....
Population [1]	1920	8,720,017	4,427,087	50.8	889,740	10.2	879,658	10.1	2,657,689	30.5	4,292,930	49.2
	1915	8,245,967	4,011,095	48.6	747,047	9.1	796,648	9.7	2,467,400	29.9	4,234,872	51.4
	1910	7,665,111	3,653,461	47.7	638,300	8.3	802,381	10.5	2,212,780	28.9	4,011,650	52.3
Number of establishments	1919	27,973	16,734	59.8	2,359	8.4	2,598	9.3	11,777	42.1	11,239	40.2
	1914	27,521	15,674	57.0	1,950	7.1	2,735	9.9	10,989	39.9	11,847	43.0
	1909	27,563	15,005	54.4	1,724	6.3	2,955	10.7	10,326	37.5	12,558	45.6
Average number of wage earners	1919	1,135,837	701,136	61.7	122,498	10.8	170,654	15.0	407,984	35.9	434,701	38.3
	1914	924,478	576,005	62.3	94,922	10.3	123,487	13.4	357,596	38.7	348,473	37.7
	1909	877,543	549,491	62.6	82,475	9.4	135,451	15.4	331,565	37.8	328,052	37.4
Value of products	1919	$7,315,702,867	$4,662,795,488	63.7	$851,205,967	11.6	$1,004,191,116	13.7	$2,807,398,405	38.4	$2,652,907,379	36.3
	1914	2,832,349,437	1,772,816,247	62.6	295,110,641	10.4	364,558,200	12.9	1,113,147,406	39.3	1,059,533,190	37.4
	1909	2,626,742,034	1,653,104,100	62.9	271,859,889	10.3	367,767,198	14.0	1,013,477,013	38.6	973,637,934	37.1
Value added by manufacture	1919	3,105,294,239	1,937,459,894	62.4	317,554,528	10.2	447,352,055	14.4	1,172,553,311	37.8	1,167,834,345	37.6
	1914	1,143,428,721	718,257,179	62.8	111,236,034	9.7	142,171,874	12.4	464,849,271	40.7	425,171,542	37.2
	1909	1,044,182,046	663,022,306	63.5	94,696,007	9.1	145,488,889	13.9	422,837,410	40.5	381,159,740	36.5

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

TABLE 16.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

City and industry.	Value of products.			
	Amount, 1919.	Per cent of total for the state.	Increase [1] over 1914.	
			Amount.	Per cent.
ALLENTOWN.				
Silk goods, including throwsters	$22,776,437	9.8	$12,566,465	123.1
Tobacco, cigars	4,023,346	4.1	1,328,744	49.3
Boots and shoes	3,662,678	5.6	2,084,733	132.1
Foundry and machine-shop products [2]	2,760,373	0.7	1,528,821	124.1
Bread and other bakery products	1,617,106	1.2	1,058,577	189.5
Liquors, malt	1,544,447	2.6	714,024	86.0
Furniture, wood, other than rattan and willow	1,389,620	3.3	608,034	77.8
Automobiles; Dyeing and finishing textiles, exclusive of that done in textile mills; Iron and steel, steel works and rolling mills; Jute goods; Slaughtering and meat packing	(3)	(3)	(3)	(3)
ALTOONA.				
Bread and other bakery products	950,780	0.7	575,790	153.5
Liquors, malt	771,067	1.3	433,894	128.7
Printing and publishing, newspapers and periodicals	642,237	0.6	322,275	100.7
Cars and general shop construction and repairs by steam-railroad companies; Silk goods	(3)	(3)	(3)	(3)
BETHLEHEM.				
Silk goods, including throwsters	4,423,130	1.9	2,018,747	84.0
Tobacco, cigars	2,644,265	2.7	1,045,298	65.4
Knit goods	1,225,677	0.7	798,592	187.0
Coke, not including gas-house coke; Iron and steel, blast furnaces; Iron and steel, steel works and rolling mills	(3)	(3)	(3)	(3)
CHESTER.				
Iron and steel, steel works and rolling mills	8,373,774	0.6	6,298,159	303.4
Cotton goods; Iron and steel, wrought pipe; Paper and wood pulp; Shipbuilding, steel, new vessels; Worsted goods	(3)	(3)	(3)	(3)
ERIE.				
Foundry and machine-shop products	$21,008,989	5.7	$15,185,251	260.7
Iron and steel, steel works and rolling mills	4,458,025	0.3	(3)	(3)
Bread and other bakery products	1,589,492	1.2	843,822	113.2
Flour-mill and gristmill products	1,396,758	2.0	−73,094	−5.0
Confectionery and ice cream	1,194,382	1.7	(3)	(3)
Lumber, planing-mill products, not including planing mills connected with sawmills	1,005,596	2.9	(3)	(3)
Cars and general shop construction and repairs by steam-railroad companies; Engines, steam, gas, and water; Gas and water meters; Iron and steel, cast-iron pipe; Liquors, malt; Machine tools; Paper and wood pulp; Plumbers' supplies, not elsewhere specified; Rubber tires, tubes, and rubber goods, not elsewhere specified; Silk goods; Slaughtering and meat packing; Tools, not elsewhere specified; Washing machines and clothes wringers	(3)	(3)	(3)	(3)
HARRISBURG.				
Iron and steel, steel works and rolling mills	13,739,153	1.1	9,710,832	241.1
Knit goods	2,212,366	1.2	(3)	(3)
Tobacco, cigars	2,121,951	2.2	1,016,147	91.9
Bread and other bakery products	1,883,061	1.4	1,088,751	137.1
Printing and publishing, newspapers and periodicals	1,422,587	1.3	721,615	102.9
Confectionery and ice cream	1,137,650	1.6	(3)	(3)
Boots and shoes; Cars and general shop construction and repairs by steam-railroad companies; Clothing, women's; Ordnance and accessories; Silk goods; Slaughtering and meat packing; Typewriters and parts	(3)	(3)	(3)	(3)

[1] A minus sign (−) denotes decrease. [2] Includes "textile machinery and parts." [3] Figures can not be shown without disclosing individual operations.

TABLE 16.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919—Continued.

CITY AND INDUSTRY.	VALUE OF PRODUCTS.			
	Amount, 1919.	Per cent of total for the state.	Increase[1] over 1914.	
			Amount.	Per cent.
JOHNSTOWN.				
Foundry and machine-shop products	$6,312,354	1.7	(2)	.....
Slaughtering and meat packing	2,618,042	2.1	(2)	.....
Coke, not including gas-house coke				
Iron and steel, blast furnaces	(2)	(2)	(2)	.....
Iron and steel, steel works and rolling mills				
Wire				
LANCASTER.				
Foundry and machine-shop products	4,889,042	1.3	$3,333,180	214.2
Umbrellas and canes	4,295,397	59.3	(2)	.....
Food preparations, not elsewhere specified	3,650,282	18.8	3,636,317	.....
Tobacco, cigars	3,369,615	3.4	1,381,729	69.5
Confectionery and ice cream	2,971,765	4.2	1,399,653	89.0
Hardware	1,696,722	14.0	1,091,589	189.4
Bread and other bakery products	1,229,274	0.9	643,526	109.9
Cotton goods				
Leather, tanned, curried, and finished				
Oilcloth and linoleum, floor	(2)	(2)	(2)	(2)
Silk goods				
Watches				
PHILADELPHIA.				
Sugar, refining, not including beet sugar	133,796,119	100.0	87,859,972	191.3
Foundry and machine-shop products [3]	92,810,903	23.2	66,222,885	249.1
Leather, tanned, curried, and finished	89,019,381	42.1	65,462,290	277.9
Worsted goods	88,400,460	74.6	53,730,111	155.0
Knit goods	85,848,934	45.4	54,498,849	175.9
Printing and publishing, newspapers and periodicals	72,515,822	68.0	39,859,081	122.1
Clothing, women's	69,183,831	89.3	35,041,313	102.6
Clothing, men's	54,074,670	73.9	32,097,221	146.0
Bread and other bakery products	51,762,528	39.0	29,953,378	137.3
Slaughtering and meat packing	50,169,124	40.8	23,773,822	90.1
Carpets and rugs, other than rag	43,111,096	90.8	22,524,543	109.4
Cotton goods	37,801,939	56.9	24,513,306	184.5
Woolen goods	36,265,468	75.2	25,327,590	231.6
Electrical machinery, apparatus, and supplies	33,729,133	25.4	24,860,130	280.3
Printing and publishing, book and job	29,895,039	64.8	12,539,246	72.2
Confectionery and ice cream	29,657,357	41.7	19,018,432	178.8
Dyeing and finishing textiles, exclusive of that done in textile mills	26,548,236	62.5	18,951,666	249.5
Tobacco, cigars and cigarettes	25,790,996	26.2	13,251,618	105.7
Automobile bodies and parts	24,931,029	55.0	23,353,752	480.6
Chemicals	22,405,518	30.6	10,960,893	195.8
Paints	20,567,143	57.5	11,955,075	138.8
Boots and shoes	20,534,339	31.4	11,772,845	134.4
Silk goods, including throwsters	19,766,861	8.5	11,529,606	140.0
Liquors, malt	17,718,027	29.9	3,809,636	27.4
Cars and general shop construction and repairs by steam-railroad companies	16,457,853	7.1	9,910,468	151.4
Hats, fur-felt	15,952,099	88.6	6,037,656	60.9
Oil, not elsewhere specified	15,595,759	61.2	12,174,065	355.8
Furniture	15,307,372	36.1	4,408,951	40.5
Shirts	14,182,348	57.2	7,096,503	97.6
Brass, bronze, and copper products	13,352,498	39.9	9,416,051	239.2
Soap	12,411,698	77.3	3,387,772	37.5
Coffee and spice, roasting and grinding	11,389,589	77.6	6,226,960	120.6
Structural ironwork, not made in steel works or rolling mills	10,707,860	13.7	8,775,186	454.0
Paper and wood pulp	10,634,910	16.4	5,600,743	111.3
Food preparations, not elsewhere specified	10,461,801	53.8	5,832,038	126.0
Lumber, planing-mill products, not including planing mills connected with sawmills	10,153,828	28.9	5,318,473	110.0
Automobiles				
Chocolate and cocoa products				
Gas, illuminating and heating				
Iron and steel, steel works and rolling mills	(2)	(2)	(2)	(2)
Locomotives, not made by railroad companies				
Petroleum, refining				
Shipbuilding, steel				

CITY AND INDUSTRY.	VALUE OF PRODUCTS.			
	Amount, 1919.	Per cent of total for the state.	Increase[1] over 1914.	
			Amount.	Per cent.
PITTSBURGH.				
Iron and steel, steel works and rolling mills	$203,051,815	15.7	$142,043,940	232.8
Foundry and machine-shop products [4]	43,232,715	11.7	28,233,364	188.2
Iron and steel, blast furnaces	31,376,111	10.1	14,393,709	84.8
Slaughtering and meat packing	29,889,143	24.3	11,942,194	66.5
Bread and other bakery products	27,637,588	20.8	18,274,318	195.2
Pickles, preserves, and sauces	20,201,265	77.1	8,708,937	75.8
Cars and general shop construction and repairs by steam-railroad companies	18,913,648	8.2	9,206,695	94.8
Printing and publishing, newspapers and periodicals	13,631,162	12.8	6,639,084	95.0
Confectionery and ice cream	11,443,255	16.1	7,303,887	176.4
Petroleum, refining	11,328,596	6.3	8,126,437	253.8
Brass, bronze, and copper products	10,500,727	31.3	7,324,916	230.6
Automobiles	(2)	(2)	(2)	(2)
READING.				
Knit goods	33,735,625	17.9	27,234,921	419.0
Foundry and machine-shop products	6,448,217	1.8	4,895,124	315.2
Confectionery and ice cream	5,410,673	7.6	(3)	.....
Tobacco, cigars	3,413,047	3.5	538,993	18.8
Hardware	3,268,508	27.1	1,050,435	47.4
Automobile bodies and parts	2,846,093	6.3	(2)	.....
Bread and other bakery products	2,303,587	1.7	1,194,189	107.6
Boots and shoes				
Cars and general shop construction and repairs by steam-railroad companies				
Iron and steel, steel works and rolling mills				
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	(2)	(2)	(2)	(2)
Iron and steel, wrought pipe				
Paints				
Slaughtering and meat packing				
SCRANTON.				
Silk goods, including throwsters	13,133,894	5.7	7,379,035	128.2
Bread and other bakery products	2,079,154	1.6	949,709	84.1
Printing and publishing, book and job	1,629,514	3.5	1,074,331	193.5
Clothing, women's	1,525,188	2.0	828,513	118.9
Printing and publishing, newspapers and periodicals	1,372,060	1.3	−73,911	−5.1
Foundry and machine-shop products	1,315,955	0.4	361,899	37.9
Automobile bodies and parts				
Cars and general shop construction and repairs by steam-railroad companies				
Cotton lace	(2)	(2)	(2)	(2)
Iron and steel, steel works and rolling mills				
Knit goods				
Liquors, malt				
Phonographs and graphophones				
WILKES-BARRE.				
Silk goods, including throwsters	6,023,928	2.6	4,399,226	270.8
Bread and other bakery products	1,553,737	1.2	830,297	114.8
Printing and publishing, newspapers and periodicals	1,089,305	1.0	481,851	79.3
Automobile bodies and parts				
Confectionery and ice cream				
Cotton lace				
Liquors, malt				
Locomotives, not made by railroad companies	(2)	(2)	(2)	(2)
Tobacco, smoking				
Wirework, wire rope and cable				

[1] A minus sign (−) denotes decrease.
[2] Figures can not be shown without disclosing individual operations.
[3] Includes "iron and steel, welding"; "machine tools"; and "textile machinery and parts."
[4] Includes "iron and steel, welding."

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

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909
Primary power, total	123,668	64,318	44,204	4,454,386	3,549,858	2,921,547	100.0	100.0	100.0
Owned	20,607	24,790	27,213	3,466,474	3,191,636	2,757,792	77.8	89.9	94.4
Steam [1]	15,534	18,577	20,764	3,169,799	2,922,616	2,549,090	71.2	82.3	87.3
Engines	14,730	(2)	(2)	2,607,091	(2)	(2)	58.5	.....	.....
Turbines	804	(2)	(2)	562,699	(2)	(2)	12.6	.....	.....
Internal-combustion engines	3,722	4,628	4,415	256,067	223,695	153,508	5.7	6.3	5.3
Water	1,351	1,585	2,034	40,617	45,325	55,194	0.9	1.3	1.9
Water wheels and turbines	1,314	1,504	1,917	40,493	44,345	53,762	0.9	1.2	1.8
Water motors	37	81	117	124	980	1,432	(3)	(3)	(3)
Rented	103,061	39,528	16,991	987,912	358,222	163,755	22.2	10.1	5.6
Electric	103,061	39,528	16,991	978,621	344,189	145,621	22.0	9.7	5.0
Other	.....	.....	.....	9,291	14,033	18,134	0.2	0.4	0.6
Electric	204,104	108,863	59,089	2,660,028	1,529,151	864,785	100.0	100.0	100.0
Rented	103,061	39,528	16,991	978,621	344,189	145,621	36.8	22.5	16.8
Generated by establishments reporting	101,043	69,335	42,098	1,681,407	1,184,962	719,164	63.2	77.5	83.2

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

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

INDUSTRY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries 1919	4,252,192	58,571,552	13,247,923	9,214,896	337,132	117,636,190
1914	3,906,024	54,141,142	11,996,930	2,026,603	(1)	110,044,684
Per cent of increase	8.9	8.2	10.4	371.3	(1)	6.9
Aluminum manufacturers	1,572	50,999	1,741	1	1	1,291
Automobile bodies and parts	17,648	26,378	646	38,877	671	50,284
Brass, bronze, and copper products	4,530	25,233	28,343	42,826	537	161,700
Bread and other bakery products	117,926	106,593	31,831	91	5,673	986,493
Brick and tile, terra-cotta, and fire-clay products	36,426	1,429,426	1,164	378	1,515	2,367,663
Carpets and rugs, other than rag	24,707	64,649	300	.....	.....	4,822
Cars and general shop construction and repairs by steam-railroad companies	355,257	969,831	10,086	130,855	10,730	83,898
Cars, steam-railroad, not including operations of railroad companies	37,863	212,111	16,109	61,727	1,915	765,588
Cement	238,458	1,623,085	1,486	51,352	673	.....
Chemicals	17,872	441,199	7,893	48,507	734	99,050
Chocolate and cocoa products	8,981	67,640	420	23,855	240	3,626
Coal-tar products	3,597	52,925	305	23,379	114	17,962
Coke, not including gas-house coke	5,308	30,512,831	500,182	6,717	3,333	606,885
Condensed milk	5,649	79,901	3,150	.....	163	234
Confectionery and ice cream	26,827	80,515	303	691	5,008	246,281
Cotton goods	25,655	72,935	350	4,075	.....	1,522
Dyeing and finishing textiles, exclusive of that done in textile mills	43,773	199,984	480	28,034	750	5,537
Electrical machinery, apparatus, and supplies	65,866	204,456	5,119	24,177	533	591,494
Engines, steam, gas, and water	2,427	211,736	6,834	3,740	1,646	186,292
Explosives	29,477	35,800	85	.....	113	1,295
Ferroalloys	901	51,267	691,797	127	97	4,499
Flour-mill and gristmill products	30,722	36,363	84	1,369	2,415	125,686
Foundry and machine-shop products	150,480	622,721	184,902	929,420	8,819	11,702,927
Furniture	12,615	66,049	930	36	348	24,270
Gas, illuminating and heating	148,083	523,280	180,280	1,537,456	17,824	27,825
Glass	6,363	667,259	3,399	126,269	11,339	15,945,505
Glue, not elsewhere specified	2,792	59,387	.....	.....	.....	36
Grease and tallow, not including lubricating greases	2,773	42,479	140	.....	2,037	1,370
Ice, manufactured	50,388	383,915	.....	5,003	278	223,669
Iron and steel, blast furnaces	42,064	965,252	10,863,369	2,688	128	249,909
Iron and steel, steel works and rolling mills	509,568	12,571,538	319,198	3,674,868	181,394	68,025,356
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	9,225	35,363	981	42,070	188	308,625
Iron and steel, cast-iron pipe	9,799	15,618	31,769	51	126	1,335
Iron and steel, forgings, not made in steel works or rolling mills	1,181	145,934	15,582	179,009	3,393	366,566
Iron and steel, wrought pipe	34,486	107,540	735	1,818	.....	85,098
Knit goods	59,606	60,344	972	104	1,025	24,180
Leather, tanned, curried, and finished	31,366	366,324	.....	.....	55	134,614
Lime	43,738	195,080	49,070	133	264	390
Liquors, malt	135,025	227,527	277	578	530	132,723
Locomotives, not made by railroad companies	22,071	150,467	17,352	65,177	207	76,199
Lumber and timber products	746	71,581	.....	207	5,548	1,395
Lumber, planing-mill products, not including planing mills connected with sawmills	12,622	43,253	58	135	556	46,956
Marble and stone work	16,110	31,953	11	351	1,135	32,865
Minerals and earths, ground or otherwise treated	1,091	139,339	2,119	965	2,178	752,597
Oilcloth and linoleum, floor	.....	86,306	1,458	7,440	140	.....
Paints	21,435	103,902	2,458	2,293	67	70,050
Paper and wood pulp	43,951	1,071,733	1,459	150	101	.....
Paving materials	1,653	56,312	119	3,242	1,480	1,742
Petroleum, refining	254,896	711,580	32,008	1,662,660	344	2,602,740
Plumbers' supplies, not elsewhere specified	1,750	39,707	11,510	6,050	135	134,547
Pottery	863	44,881	.....	3,081	.....	315,280
Printing and publishing, newspapers and periodicals	34,755	5,630	52	56	333	221,878

[1] Included in figures for fuel oils.

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

INDUSTRY AND CITY.	COAL. Anthracite (tons, 2,240 pounds).	COAL. Bituminous (tons, 2,000 pounds).	Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
Roofing materials	6,156	34,244	90	6,268	.....	3,253
Rubber tires, tubes, and rubber goods, not elsewhere specified	1,271	88,754	.....	24	3,254	10,001
Shipbuilding, including boat building	2,551	158,038	23,874	179,013	8,409	27,809
Silk goods, including throwsters	202,983	74,034	.....	530	225	17,053
Slaughtering and meat packing	31,314	108,778	106	235	9,318	31,356
Smelting and refining, zinc	646,411	201,423	79,803	.....	.....	.....
Stamped and enameled ware, not elsewhere specified	1,691	32,262	6,657	2,422	88	228,690
Steam fittings and steam and hot-water heating apparatus	4,106	27,893	22,274	9,376	698	177,305
Steam packing	524	119,995	7,718	4,210	856	5,461
Structural ironwork, not made in steel works or rolling mills	4,393	94,366	9,695	23,405	445	319,236
Sugar, refining, not including beet sugar	135,775	242,021	.....	.....	.....	.....
Tin plate and terneplate	22	42,167	.....	3,558	20	101,269
Wire	155	49,282	9,082	15,636	125	92,949
Wood distillation	9,260	96,818	.....	17,800	12	1,798,249
Woolen goods	14,453	66,795	550	226	61	2,736
Worsted goods	16,958	121,684	11	2,979	76	.....
All other industries	411,232	844,887	59,147	207,126	36,712	6,998,055
Total for cities	2,485,728	20,167,824	7,711,371	6,603,346	298,402	33,379,476
ALLENTOWN	67,783	165,509	3,190	54,733	984	10,070
ALTOONA	74	218,072	3,684	41,823	39	14,261
AMBRIDGE	.....	66,751	2,797	.....	7,039	234,206
BEAVER FALLS	2,500	78,481	2,987	1,754	245	68,691
BETHLEHEM	329,834	1,180,888	725,200	263,938	83	47,470
BRADDOCK	.....	72,267	244	6,147	118	439,116
BRADFORD	1,801	31,675	2,494	4,746	610	1,102,648
BRISTOL	978	25,086	214	1,347	28	48
BUTLER	319	59,245	2,948	15,193	1,853	1,168,419
CANONSBURG	6	73,383	436	60	.....	137,360
CARBONDALE	12,660	1,507	98	2,318	80	1,265
CARLISLE	1,522	6,062	1,149	26	3,940	67
CARNEGIE	.....	7,203	308	.....	.....	13,130
CARRICK	.....	18	.....	.....	.....	2,514
CHAMBERSBURG	9,105	15,569	5,258	29,801	80	1,558
CHARLEROI	1	62,860	60	290	.....	1,028,227
CHESTER	19,398	167,674	93,113	193,727	1,363	5,503
COLUMBIA	1,595	41,105	1,236	2,121	6	50
CONNELLSVILLE	39	34,236	1,170	1,424	315	12,372
DICKSON CITY	9,683	.....	93	.....	.....	.....
DU BOIS	163	30,778	501	33	80	16,037
DUNMORE	4,456	14,915	.....	246	14	.....
EASTON	37,288	40,535	755	19,752	511	1,542
ERIE	7,111	222,297	17,935	155,905	13,021	288,122
GREENSBURG	.....	9,282	164	715	22	74,818
HARRISBURG	87,610	223,102	14,393	40,454	466	22,065
HAZLETON	23,259	278	212	1,855	1	17,172
HOMESTEAD	.....	10,483	7,125	.....	.....	31,469
JEANNETTE	.....	37,499	70	83	.....	1,208,912
JOHNSTOWN	874	2,161,796	787,899	211,367	36,839	176,016
LANCASTER	26,258	66,022	2,497	28,517	1,527	15,623
LEBANON	3,864	283,185	5,538	17,517	248	855
MCKEESPORT	140	721,121	676,339	2,637	451	694,927
MCKEES ROCKS	21	93,876	2,241	10,557	239	328,103
MAHANOY CITY	4,778	9	.....	.....	.....	.....
MEADVILLE	255	17,951	3,122	17,279	240	21,569
MOUNT CARMEL	6,919	62	.....	.....	175	118
NANTICOKE	5,891	1,045	.....	6,257	.....	270
NEW CASTLE	155	455,009	29,746	4,778	35	29,045
NEW KENSINGTON	1,640	76,888	1,784	1,138	17	29,958
NORRISTOWN	10,194	28,581	3,618	12,835	955	4,891
OIL CITY	11	26,916	3,656	2,960	78	246,756
OLD FORGE	444	.....	.....	.....	.....	.....
PHILADELPHIA	1,090,704	2,603,933	272,060	3,367,597	22,350	937,257
PHOENIXVILLE	6,890	190,011	4,124	2,504	143	10,234
PITTSBURGH	14,526	4,116,089	1,450,044	655,078	139,610	12,436,198
PITTSTON	16,930	683	458	5,178	41	59
PLYMOUTH	2,652	136	.....	.....	13	90
POTTSTOWN	8,791	80,736	189,207	8,067	920	13,086
POTTSVILLE	104,051	64,432	514	3,970	6	669
PUNXSUTAWNEY	44	7,074	37,490	2	147	105,484
READING	139,261	307,091	98,195	829,422	1,516	22,417
SCRANTON	134,681	20,803	4,098	9,499	430	15,590
SHAMOKIN	28,314	207	.....	1,508	12	643
SHARON	14,901	183,190	130,964	156,677	54	3,012,881
SHENANDOAH	9,950	124	.....	433	173	20
SUNBURY	22,327	5,138	.....	4,927	26	324
TAMAQUA	6,182	75	80	383	1	24
UNIONTOWN	15	10,048	1,680	.....	221	99,811
WARREN	.....	102,035	600	2,188	25	567,669
WASHINGTON	.....	73,256	643	19,915	60	475,989
WEST CHESTER	4,553	8,398	784	6,233	134	1,676
WILKES-BARRE	112,421	3,019	1,818	26,456	18,112	46,991
WILKINSBURG	5	13,575	.....	11	41	10,317
WILLIAMSPORT	6,143	118,324	4,795	25,985	1,088	6,087
YORK	8,080	73,697	11,484	61,132	763	187,308
ALL OTHER CITIES[1]	75,678	5,356,529	3,098,059	261,848	40,814	7,933,409

[1] All other cities embrace: Berwick, Coatesville, Donora, Duquesne, Farrell, Monessen, North Braddock, Olyphant, Steelton, Swissvale, and Woodlawn.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for 24 of these industries in Pennsylvania are here presented.

Iron and steel, blast furnaces (Table 19).—This table presents the statistics for the pig-iron industry of the state for 1919, 1914, and 1909. Pennsylvania ranks first in the industry and produced 39.3 per cent of the tonnage of the country in 1919, 41.9 per cent in 1914, and 42.5 per cent in 1909. All but eight-tenths of 1 per cent was coke iron in 1919, 1.3 per cent in 1914 and 6 per cent in 1909. The small production by other fuels, 1919, was mixed anthracite and coke iron and a small amount of charcoal iron.

The production in 1919 represents an increase in tonnage of 23.3 per cent over that of 1914 and 10.1 per cent over 1909, with an increase in value of 133.9 per cent and 88.5 per cent, respectively. Iron for steel making—the basic, Bessemer, and low-phosphorus grades—constituted 90.5 per cent of the production in 1919, 87.2 per cent in 1914, and 81.3 per cent in 1909 (not including the ferroalloys), and foundry iron 6.8 per cent in 1919, 8.2 per cent in 1914, and 14.4 per cent in 1909. Of the pig-iron output, 66.8 per cent were handled molten and 25.6 per cent were machine cast in 1919; 59.6 per cent molten and 28.2 per cent machine cast in 1914; and 54.9 molten and 26.4 per cent machine cast in 1909.

TABLE 19.—IRON AND STEEL, BLAST FURNACES: 1919, 1914, AND 1909.

[Ton, 2,240 pounds, except as otherwise stated.]

	1919	1914	1909
MATERIALS.[1]			
Total cost	$250,349,277	$115,501,389	$142,074,028
The blast-furnace industry	244,960,133	115,501,389	142,074,028
Subsidiary establishments, other industries (ferroalloys)	5,389,144		
Iron ore:			
Tons	20,935,653	17,100,710	19,698,996
Domestic	20,695,560	15,777,624	18,421,398
Foreign	240,093	1,323,086	1,277,598
Cost	$132,031,628	$70,371,527	$90,171,795
Average per ton	$6.30	$4.10	$4.60
Scrap, mill cinder, scale, slag, flue dust, etc.:			
Tons	1,468,209	1,283,909	1,123,027
Cost	$10,731,535	$4,501,847	$3,332,335
Average per ton	$7.30	$3.50	$2.95
Fluxing material:			
Tons	6,857,889	5,055,105	5,819,912
Cost	$12,378,781	$5,078,963	$5,298,591
Average per ton	$1.80	$1.00	$0.90
Fuel for smelting:			
Coke—			
Tons (2,000 pounds)	13,335,275	11,214,838	13,245,622
Cost	$81,224,835	$31,963,795	$38,556,786
Average per ton	$6.10	$2.85	$2.90
Other—			
Coal, tons	28,636	44,821	264,481
Charcoal, bushels	189,010	499,970	476,790
Cost	$235,621	$212,212	$949,276
All other materials, cost	$13,746,877	$3,373,045	$3,765,245

[1] Not including materials consumed in the manufacture of the subsidiary products.

TABLE 19.—IRON AND STEEL, BLAST FURNACES: 1919, 1914, AND 1909—Continued.

	1919	1914	1909
PRODUCTS.			
Total value	$317,675,868	$135,806,067	$168,578,413
The classified industry, all products	$311,080,081	$135,806,067	$168,578,413
Subsidiary pig-iron production by ferro-alloy blast furnaces	$6,595,787		
Pig iron:			
Tons	12,014,112	9,743,855	10,911,676
Value	$314,253,542	$134,465,078	$167,588,407
Average unit value, ton	$26.15	$13.80	$15.35
For consumption in works of company producing—			
Tons	9,331,630	7,557,352	7,628,653
Per cent of total	77.7	77.6	69.9
Assigned value	$235,317,019	$103,078,840	$115,422,575
For sale—			
Tons	2,682,482	2,186,503	3,283,023
Per cent of total	22.3	22.4	30.1
Value	$78,936,523	$31,386,238	$52,165,832
Classified according to smelting fuel.			
Coke:			
Tons	11,918,501	9,618,739	10,259,155
Value	$311,194,581	$131,639,925	$156,834,660
Other fuel:			
Tons	95,611	125,116	652,521
Value	$3,058,961	$2,825,153	$10,753,747
Classified by grades.			
Basic ... tons	6,625,835	5,053,942	4,815,840
Bessemer ... tons	4,094,214	3,078,581	3,775,728
Low phosphorus (below 0.4 per cent) ... tons	153,718	224,243	137,521
Foundry ... tons	817,883	782,100	1,542,722
Malleable ... tons	157,516	63,236	37,642
Forge or mill ... tons	148,006	362,626	366,808
All other pig iron, including direct castings ... tons	16,940	14,562	56,479
Ferroalloys ... tons	(2)	164,565	178,936
Classified by method of delivery or casting.			
Molten to steel works, etc ... tons	8,026,694	5,712,786	5,887,507
Machine cast ... tons	3,071,311	2,696,520	2,837,576
Sand cast ... tons	727,101	1,112,180	1,907,514
Chill cast ... tons	173,415	217,756	274,516
Direct castings ... tons	15,591	4,613	4,563
All other products, value	$3,422,326	$1,340,989	$990,006

[2] Not included in the blast-furnace industry in 1919.

Steel works and rolling mills (Table 20).—This table presents the statistics for the steel furnaces and hot-rolling mills in Pennsylvania for 1919, 1914, and 1909. The plants produced 44.6 per cent of the rolled, forged, and other classified products of the country in 1919, 48.1 per cent in 1914, and 49.3 per cent in 1909. There was an increase of 31.3 per cent in tonnage in 1919, as compared with 1914, and 22.5 per cent with respect to 1909, and in total value of the rolled, forged, or other classified products, an increase of 180 per cent, 1914 to 1919, and 152 per cent, 1909 to 1919. The figures show an average value of approximately $69 per ton in 1919, $32 in 1914, and $34 in 1909.

The year 1909 was one of expansion following the depression of 1908; the crest was reached in 1910, with a slight depression in 1911, and prosperous years in 1912 and 1913. In 1914, however, the industry was greatly depressed because of the beginning of the

European war, and in November, the month of minimum employment for that year, there were but 114,695 wage earners employed in the establishments in the state, whereas at the close of 1909 there were 148,591.

In 1919, though the average number of wage earners for the year, 171,715, was an increase of 30 per cent as compared with 1914, the beginning of the year, January, with 202,630 wage earners, was the month of maximum activity, followed by a steady decline through May, after which there was a partial recovery through August, and then a drop in the number of wage earners to a minimum of 145,252 in October.

In 1919 the steel production, 15,300,068 tons, was 63.5 per cent of the capacity of the furnaces operating on double turn, for 300 working-days, as compared with 55.2 per cent in 1914 and 73.2 per cent in 1909.

TABLE 20.—IRON AND STEEL, STEEL WORKS AND ROLLING MILLS: 1919, 1914, AND 1909.

[Ton, 2,240 pounds, except as otherwise stated.]

	1919	1914	1909
MATERIALS.[1]			
Total cost	$777,472,690	$285,382,084	$329,013,421
Pig iron:			
Tons	10,325,070	8,262,049	9,158,260
Cost	$259,320,858	$112,472,123	$139,208,875
Ferroalloys—spiegeleisen, ferromanganese, etc.:			
Tons	200,731	138,132	159,643
Cost	$32,831,864	$8,581,336	$7,926,508
Scrap (not produced in establishment reporting):			
Tons	3,223,528	2,595,148	2,669,773
Cost	$68,166,998	$31,924,141	$41,572,010
Steel, crude and semifinished (not produced in establishment reporting):			
Tons	4,069,579	2,841,514	3,013,148
Cost	$169,693,785	$60,435,107	$68,274,443
Rolled forms, for further manufacture (not produced in establishment reporting):			
Tons	654,742	172,609	163,164
Cost	$41,419,710	$4,777,427	$5,204,178
Iron ore:			
Tons	570,165	580,818	568,716
Cost	$4,636,630	$2,741,327	$3,169,203
All other materials, including fuel and rent of power, cost	$201,408,845	$64,450,623	$63,658,204
PRODUCTS.			
Total value	$1,296,412,070	$448,106,324	$500,343,995
Rolled, forged, and other classified products:			
Tons	16,135,537	12,288,141	13,167,003
Value	$1,114,064,273	$397,618,602	$442,737,439
Finished rolled products and forgings—			
Rails—			
Tons	587,680	566,125	848,924
Value	$28,034,088	$16,197,964	$24,077,184
Rolled or renewed rails—			
Tons	36,719	26,444	6,393
Value	$1,865,112	$579,843	$170,476
Rail joints, fastenings, etc—			
Tons	127,013	108,235	124,049
Value	$8,233,201	$3,872,023	$4,669,802
Structural shapes—			
Tons	1,795,687	1,499,077	1,597,946
Value	$106,383,147	$41,178,413	$49,512,361
Bars for reinforced concrete—			
Tons	84,127	55,693	36,886
Value	$4,704,230	$1,525,540	$1,084,652
Merchant bars, bill shafting, etc.—			
Tons	1,771,258	1,415,417	1,749,220
Value	$138,410,976	$49,345,938	$56,717,882

[1] Includes materials purchased and the quantity and assigned value of that transferred to the establishment reporting from other works of the same company.

TABLE 20.—IRON AND STEEL, STEEL WORKS AND ROLLING MILLS: 1919, 1914, AND 1909—Continued.

	1919	1914	1909
PRODUCTS—continued.			
Rolled, forged, and other classified products—Continued.			
Finished rolled products and forgings—Continued.			
Wire rods, to be drawn or rolled—			
Tons	1,048,478	1,104,133	861,261
Value	$54,876,918	$27,959,516	$23,190,920
Steel rods, cold rolled (and rolled wire rods in coils or bars)—			
Tons	115,277		
Value	$12,819,432		
Plates or sheets, other than tinning—			
Tons	3,330,544	1,900,427	2,057,176
Value	$247,572,182	$61,657,951	$78,938,359
Black plates (or sheets) for tinning—			
Tons	497,069	564,539	308,738
Value	$43,418,357	$23,744,024	$15,400,384
Skelp—			
Tons	993,926	860,969	1,087,502
Value	$59,130,392	$24,001,966	$34,273,085
Hoops, bands, and cotton ties—			
Tons	449,861	373,658	279,172
Value	$37,808,816	$12,934,152	$8,305,448
Nail and tack plate—			
Tons	14,337	31,318	37,802
Value	$1,181,535	$1,299,420	$1,469,504
Axles, rolled or forged—			
Tons	73,366	61,920	97,333
Value	$7,199,631	$2,515,703	$3,603,095
Armor plate, gun forgings, and ordnance—			
Tons	68,964	36,671	22,558
Value	$44,401,072	$19,090,468	$8,833,335
Car and locomotive wheels, rolled or forged—			
Tons	108,907	(2)	(2)
Value	$15,565,085	(2)	(2)
All other rolled products—			
Tons	781,075	443,694	464,286
Value	$70,108,013	$24,380,743	$31,220,885
All forged or other iron and steel products, not otherwise enumerated—			
Tons	257,939	326,268	323,916
Value	$27,886,981	$15,329,125	$16,179,228
Semifinished rolled products (sold or transferred to other works of same company):			
Blooms, billets, and slabs, steel—			
Tons	2,179,257	1,604,583	2,099,296
Value	$90,991,534	$33,510,622	$47,413,864
Rolled blooms and billets for forging purposes—			
Tons	31,086	30,528	37,977
Value	$1,775,867	$794,183	$1,128,594
Hammered charcoal blooms, billets, and slabs—			
Tons	9,715	(2)	(2)
Value	$491,308	(2)	(2)
Sheet and tin-plate bars—			
Tons	1,099,122	928,249	778,260
Value	$44,059,692	$18,811,666	$17,430,702
Muck and scrap bar—			
Tons	159,456	97,742	118,759
Value	$9,899,505	$2,678,512	$3,505,236
Unrolled steel (sold or transferred to other works of same company):			
Ingots—			
Tons	243,650	37,053	32,144
Value	$10,102,572	$882,882	$1,525,021
Direct steel castings—			
Tons	270,034	215,398	197,405
Value	$47,144,627	$15,327,948	$14,087,422
All other products, including scrap and value added to steel or iron rolling-mill products by further manufacture, value	$182,347,797	$50,487,722	$57,606,556
Steel production.			
Total ... tons	15,300,068	[3] 11,837,503	[3] 12,189,953
Ingots ... tons	15,030,034	11,622,105	11,992,548
Castings ... tons	270,034	215,398	197,405
Classified according to process:			
Open hearth ... tons	12,590,489	9,741,125	9,281,936
Basic ... tons	11,915,560	9,129,227	8,536,726
Acid ... tons	674,929	611,898	745,210
Bessemer ... tons	2,583,392	2,038,775	2,846,360
Crucible ... tons	36,478	57,603	61,657
Electric ... tons	89,709		

[2] Not reported separately.

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

Wire (Table 21).—This table presents the statistics for the wire drawing industry, 1919. At prior censuses the industry for the state was not reported separately. The statistics for materials and products include the independent wire-drawing establishments not operated in conjunction with the mills that roll the wire rods, and which constitute the classified industry, and also the wire-drawing departments of the mills that roll the rods. The wire-drawing departments of the rolling mills produce the greater portion of the wire product of the state, hence the classified wire industry of itself is not representative of the magnitude of the industry. The production, therefore, of the wire-drawing departments of the rolling mills, which is included in the statistics for such mills, is also included in this table for the wire industry. The figures for materials and products are combined so as to show the total production of iron and steel wire products and the materials consumed in their manufacture, irrespective of whether the product is that of an independent wire-drawing establishment or of one operated in conjunction with a mill that rolls the rods.

TABLE 21.—WIRE: 1919.

[Ton, 2,000 pounds.]

	Number or amount.
MATERIALS.	
Total cost	$45,202,422
The classified industry (not departments of rod rolling mills)	$14,216,405
Wire drawing departments of rolling mills	$31,046,017
Wire rods, steel:	
Tons	927,549
Bessemer	464,782
Open-hearth	443,644
Crucible and other	19,123
Cost	$41,503,436
Wire, not produced in mill reporting:	
Tons	14,602
Cost	$1,097,649
All other materials, cost	$2,661,337
Wire drawn, tons:	
Iron and steel	895,056
For sale	175,990
For consumption	719,066
Copper and other metal	1,768
PRODUCTS.	
Total value	$77,096,001
The classified industry, all products	$19,595,888
Wire drawing departments of rolling mills	$57,500,113
Iron and steel wire products, value	$74,215,428
Wire—	
Plain—	
Tons	175,990
Value	$13,419,210
Coated—	
Tons	157,917
Value	$12,595,316
Wire nails and spikes—	
Kegs (100 pounds)	5,328,866
Value	$20,443,735
Wire staples—	
Tons	13,479
Value	$1,080,388
Barbed wire (plain or coated)—	
Tons	167,833
Value	$15,287,189
Woven wire fence and poultry netting—	
Tons	85,536
Value	$8,005,821
Other (iron or steel) wire products—	
Tons	24,486
Value	$3,383,769
Copper and other wire products:	
Tons	1,768
Value	$718,907
All other products, value	$2,161,666

The tonnage of drawn iron and steel wire, 895,056 net tons, constituted 35.7 per cent of the total iron and steel wire production of the United States and embraced 11 establishments operated as independent wire mills, and 7 wire-drawing departments of mills that rolled the wire rods.

Tin plate and terneplate (Table 22).—This table presents the statistics for materials and products for the tin-plate and terneplate industry for the state, the same including the independent dipping establishments not operated in conjunction with rolling mills and which constitute the classified industry and also the dipping departments of the rolling mills for 1919, 1914, and 1909. The detailed statistics for materials and for products are combined so as to show the total production of tin plate and terneplate and the materials consumed in their manufacture, irrespective of whether the product is that of an independent establishment or of one operated as a department of a mill that rolls the black plates. The production of the dipping departments of the rolling mills is included in the statistics for that industry.

Pennsylvania produced 48.6 per cent of the tin-plate and terneplate product of the country in 1919, 56.1 per cent in 1914, and 52.9 per cent in 1909. In the way of equipment, the plants reported, in 1919, 413 tin and terne sets with a daily capacity, on single turn, of 3,121,428 pounds. In 1914 there were 314 sets of 1,882,408 pounds daily capacity.

TABLE 22.—TIN PLATE AND TERNEPLATE: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$70,940,157	$31,933,881	$22,898,352
The classified industry (not departments of plate rolling mills)	$44,754,435	$31,933,881	$22,898,352
Dipping departments of plate rolling mills	$26,185,722		
Black plates or sheets:			
Pounds	1,310,563,152	1,180,120,546	705,748,494
Cost	$55,214,126	$22,225,047	$15,801,297
Average per 100 pounds	$4.20	$1.90	$2.25
Pig tin:			
Pounds	22,549,259	21,428,916	16,858,292
Cost	$13,262,586	$8,291,664	$5,032,023
Average per pound	$0.59	$0.39	$0.30
Terne mixture (purchased) including pig lead:			
Pounds	927,360	577,324	3,410,913
Cost	$167,240	$61,114	$273,152
All other materials, cost	$2,296,205	$1,356,056	$1,791,880
PRODUCTS.			
Total value	$90,446,887	$36,795,990	$25,234,066
The classified industry, all products	$58,815,616	$36,795,990	$25,234,066
Dipping departments of plate rolling mills	$31,631,271		
Tin plate and terneplate:[1]			
Pounds	1,294,352,902	1,152,867,757	695,377,287
Value	$88,246,985	$35,567,823	$23,750,750
Average value per 100 pounds	$6.82	$3.10	$3.40
All other products, value	$2,199,902	$1,228,167	$1,483,316

[1] Including tagger's tin and long terne.

Textiles (Table 23).—This table shows the total value of products reported for textile manufactures in Pennsylvania and the comparative importance of the different branches as measured by value of products for 1919, 1914, and 1909.

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

INDUSTRY.	VALUE OF PRODUCTS.		
	1919	1914	1909
Total	$784,689,852	$296,984,852	[1] $267,840,579
Silk goods, including throwsters	231,711,352	86,938,554	62,061,302
Wool manufactures	217,598,384	87,508,323	102,326,228
Woolen, worsted, and felt goods, and wool-felt hats	170,118,554	64,408,676	77,446,996
Carpets and rugs, other than rag	47,479,830	23,099,647	24,879,232
Knit goods	188,260,800	64,153,449	49,657,506
Cotton manufactures, including cotton goods, cotton lace, and cotton small wares	90,581,626	32,400,446	33,917,033
Oilcloth and linoleum, floor	22,805,611	7,165,362	(2)
Hats, fur-felt	17,995,301	11,040,820	13,022,617
Cordage and twine and jute goods	14,361,782	6,818,432	4,804,775
Wool shoddy	1,374,996	959,466	[3] 2,051,118

[1] Excludes statistics for 3 establishments manufacturing oilcloth and linoleum, to avoid disclosure of individual operations.
[2] Statistics can not be shown without disclosing individual operations.
[3] Includes cotton shoddy.

With over $5,000,000,000 worth of textiles produced in the United States in 1919, Pennsylvania reported 15.1 per cent of the total, which credits this state as being the second most important state in total value of products reported for all kinds of textiles. Next to iron and steel, textiles were the most important among the manufacturing interests of the state in 1919, and contributed 10.7 per cent of the total value of products for all industries within the state. In 1919 there were 1,467 textile establishments in Pennsylvania, giving employment to 154,402 wage earners.

Statistics in detail for the principal textile industries for the state follow.

Wool manufactures (Table 24).—This table presents a detailed statement of the quantity and cost of the principal materials, and the quantity and value of the chief products, for 1919, 1914, and 1909.

TABLE 24.—WOOL MANUFACTURES: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$140,407,916	$58,947,198	$69,282,383
Wool:			
In condition purchased—			
Pounds	78,898,288	84,879,429	107,044,311
Cost	$49,675,546	$20,071,113	$28,309,853
Domestic—			
Pounds	46,483,033	45,811,154	56,781,645
Cost	$30,238,738	$10,957,850	$15,674,908
Foreign—			
Pounds	32,415,255	39,068,275	50,262,666
Cost	$19,436,808	$9,113,263	$12,634,945
Equivalent in scoured condition, pounds	44,066,634	54,326,916	69,864,549
Animal hair and fur:			
Pounds	13,539,537	17,128,417	20,571,702
Cost	$2,440,350	$1,583,514	$1,032,196
Rags, tailors' clippings, etc.:			
Pounds	3,189,070	9,924,264	8,288,323
Cost	$889,377	$516,688	$258,722
Recovered wool fiber:			
Pounds	2,436,905	6,780,133	5,419,245
Cost	$1,125,020	$706,934	$550,473
Waste and noils:			
Pounds	8,749,369	8,930,422	5,858,435
Cost	$4,035,028	$1,669,422	$1,463,775
Tops:			
Pounds	2,490,316	4,029,376	2,445,813
Cost	$3,935,747	$2,288,774	$1,530,899
Cotton:			
Pounds	2,913,106	7,285,788	5,017,601
Cost	$790,542	$626,466	$536,262
Domestic—			
Pounds	2,285,203	(1)	(1)
Cost	$557,790	(1)	(1)
Foreign—			
Pounds	627,903	(1)	(1)
Cost	$232,752	(1)	(1)
Yarns, purchased:			
Woolen—			
Pounds	16,829,854	17,118,410	22,463,957
Cost	$14,490,904	$4,900,066	$4,412,546

[1] Not reported separately.

TABLE 24.—WOOL MANUFACTURES: 1919, 1914, AND 1909—Con.

	1919	1914	1909
MATERIALS—continued.			
Yarns, purchased—Continued.			
Worsted—			
Pounds	9,459,434	14,004,345	18,088,331
Cost	$25,314,242	$10,679,197	$14,461,212
Merino—			
Pounds	1,304,121	352,555	2,242,312
Cost	$1,733,327	$106,543	$309,803
Cotton—			
Pounds	12,372,351	18,816,137	26,354,704
Cost	$8,222,562	$3,849,490	$5,476,389
Silk and spun-silk—			
Pounds	171,860	356,266	246,038
Cost	$1,554,292	$1,001,309	$596,860
Linen—			
Pounds	527,216	1,430,459	1,483,096
Cost	$248,076	$280,865	$285,481
Jute, ramie, and other vegetable fiber—			
Pounds	16,559,254	18,244,249	17,645,163
Cost	$3,356,279	$1,787,029	$1,234,142
Chemicals and dyestuffs, cost	$2,078,259	$1,174,953	$1,729,376
Fuel and rent of power, cost	$2,158,330	$1,002,212	$1,065,431
All other materials, cost	$18,390,035	$6,702,623	$6,028,963
PRODUCTS.			
Total value	$217,598,384	$87,508,317	$102,326,228
Woven goods: [2]			
Pounds	30,358,391	(1)	(1)
Square yards	48,968,696	55,330,197	68,990,264
Value	$78,479,004	$28,844,286	$35,294,343
All-wool woven goods—			
Pounds	14,651,821	(1)	(1)
Square yards	23,272,409	28,987,670	33,149,873
Value	$53,358,521	$20,577,655	$22,653,317
Woolen suitings, overcoatings, and dress goods—			
Pounds	5,741,172	(1)	(1)
Square yards	7,818,005	3,828,370	2,656,590
Value	$19,260,426	$2,452,485	$1,838,024
Worsted suitings, overcoatings, and dress goods—			
Pounds	7,084,749	(1)	(1)
Square yards	12,290,438	22,268,800	27,684,839
Value	$29,453,073	$16,131,143	$18,939,947
Flannels for underwear—			
Pounds	254,931	(1)	(1)
Square yards	400,488	393,964	796,097
Value	$241,616	$179,462	$430,876
Blankets—			
Pounds	1,255,042	(1)	(1)
Square yards	1,697,360	2,134,723	1,424,062
Value	$2,097,377	$1,812,465	$1,153,048
All other—			
Pounds	315,927	(1)	(1)
Square yards	1,066,118	3,813	588,285
Value	$2,306,029	$2,100	$291,422
Cotton-mixed goods—			
Pounds	5,847,796	(1)	(1)
Square yards	8,811,766	9,883,044	5,104,428
Value	$10,636,908	$3,321,235	$2,070,669
Cotton-mixed suitings, overcoatings, and dress goods—			
Pounds	5,162,604	(1)	(1)
Square yards	7,846,214	6,882,987	4,448,851
Value	$9,836,739	$2,383,088	$1,794,043
All other—			
Pounds	685,192	(1)	(1)
Square yards	965,552	3,000,057	655,577
Value	$800,169	$938,147	$276,626
Cotton-warp goods—			
Pounds	9,858,774	(1)	(1)
Square yards	16,884,521	16,459,483	30,735,963
Value	$14,483,575	$4,945,396	$10,570,357
Wool-filling suitings, overcoatings, and dress goods—			
Pounds	2,396,450	(1)	(1)
Square yards	4,834,850	4,792,627	13,368,893
Value	$4,630,851	$1,327,813	$4,025,157
Worsted-filling suitings, overcoatings, and dress goods—			
Pounds	3,146,327	(1)	(1)
Square yards	6,740,969	8,816,213	11,103,856
Value	$6,835,827	$3,028,015	$5,243,290
Blankets—			
Pounds	3,507,816	(1)	(1)
Square yards	3,609,230	930,128	3,398,778
Value	$2,307,511	$240,660	$633,948
All other—			
Pounds	808,181	(1)	(1)
Square yards	1,699,472	1,920,515	2,864,436
Value	$709,386	$348,908	$667,962
Carpets and rugs:			
Pounds	35,927,149	(1)	(1)
Square yards	17,378,967	24,103,422	36,222,080
Value	$36,217,914	$19,472,933	$21,570,318
Carpets—			
Pounds	16,632,955	(1)	(1)
Square yards	7,964,314	17,206,541	26,305,322
Value	$15,967,843	$14,831,549	$15,373,145
Rugs, made of sewed strips—			
Pounds	10,720,566		
Square yards	4,329,736		
Value	$13,414,595	(1)	(1)
Rugs, woven whole—		6,896,881	9,916,758
Pounds	8,573,628	$4,641,384	$6,197,173
Square yards	5,084,917		
Value	$6,835,476		

[2] Exclusive of carpets and rugs, and woven felt goods.

TABLE 24.—WOOL MANUFACTURES: 1919, 1914, AND 1909—Con.

	1919	1914	1909
PRODUCTS—continued.			
Felt cloth, endless belts, hair felting, and other felts, value	$1,222,143	$555,732	$611,688
Hats, wool-felt:			
Dozens	185,475	184,620	303,398
Value	$1,454,091	$765,208	$1,431,342
Partly manufactured products for sale:			
Woolen yarn—			
Pounds	18,100,441	21,784,704	25,664,665
Value	$16,001,051	$6,924,691	$6,021,540
Worsted yarn—			
Pounds	18,685,148	24,176,877	28,896,142
Value	$47,488,055	$18,664,351	$24,098,942
Merino yarn—			
Pounds	8,116,525	5,343,128	11,710,956
Value	$8,521,702	$1,815,586	$4,180,974
Worsted tops and slubbing—			
Pounds	1,122,698	2,460,859	2,252,927
Value	$2,271,441	$1,498,176	$1,401,562
Noils—			
Pounds	2,346,311	3,840,996	6,006,239
Value	$2,054,758	$1,102,157	$1,895,601
Waste—			
Pounds	1,831,400	3,683,664	5,260,513
Value	$388,707	$430,303	$592,524
Amount received for contract work, value	$5,482,210	$623,235	$800,935
All other products, value	$18,017,308	$6,811,659	$4,426,459

Wool manufactures is composed of a group of industries using wool as a basic material in the manufacture of woolen, worsted, and felt goods, carpets and rugs, and wool-felt hats.

Wool manufactures in Pennsylvania has shown a general decline in quantity production during the ten years from 1909. With but two exceptions, those of waste and noils and tops, each of the principal materials shows a decrease in the quantity used in 1919 as compared with 1909. Raw wool, woolen yarn, and worsted yarn, the three most important materials, according to cost, and which combined represent more than one-half the total cost of all materials, have decreased in quantity 26.3, 25.1, and 47.7 per cent, respectively, during the ten-year period 1909–1919.

Over one-third of the total value of products of this industry in 1919 was represented by woven goods, exclusive of carpets and rugs, and woven felts, and according to the number of square yards the production decreased in both 1914 and 1919, with the result that for the ten years from 1909 to 1919 there was a total decrease of 29 per cent in quantity. Partly manufactured products for sale also represented over one-third of the total value of products, and during the same period, 1909 to 1919, showed a decrease of 37.1 per cent in quantity. The manufacture of carpets and rugs has shown a falling off since 1909, and the production, measured in square yards, for 1919 was less than one-half that of 1909.

Knit goods (Table 25).—This table shows the quantity and cost of the principal materials used, and the quantity and value of the chief products for the years 1919, 1914, and 1909.

Among the textile industries in Pennsylvania the knit-goods industry ranked second in 1919, according to value of products, and this value was the second largest reported by any state for the knit-goods industry. In the ten-year period covered by the table the combined raw and partly manufactured materials used did not show as much change in the total quantity as in the individual kinds of material.

There was a decrease of 61.5 per cent in the quantity of raw cotton used, from 1909 to 1919, but an increase of 138.1 per cent in raw wool, 33.6 per cent in woolen yarn, 59.2 per cent in worsted yarn, 136 per cent in merino yarn, 939.4 per cent in silk yarn, and, from 1914 to 1919, an increase of 34.5 per cent in artificial silk yarn.

The reason for the use of different basic materials in 1919 from those of the previous ten years is chiefly due to the demand for silk and for wool hosiery in place of cotton. Although the quantity of hosiery (hose and half hose), made of all kinds of materials, increased only 1,264,687 dozen pairs, or 4.5 per cent, from 1909 to 1919, it will be seen that during the same period the quantity of cotton hosiery decreased 9,417,033 dozen pairs, or 34.7 per cent, while silk and silk-mixed hosiery increased 9,535,132 dozen pairs, or 6,553.5 per cent. In 1909 cotton hosiery constituted 97.5 per cent of the total quantity and 93 per cent of the total value of all hosiery produced in the state, which is in striking contrast to the condition in 1919 when cotton hosiery formed only 60.9 per cent of the total quantity and 35.3 per cent of the total value.

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

	1919	1914	1909
MATERIALS.			
Total cost	$116,696,773	$37,756,301	$27,217,951
Cotton:			
Pounds	963,824	1,402,448	2,506,120
Cost	$350,654	$176,625	$302,702
Cotton waste, purchased;			
Pounds	142,244	(1)	(1)
Cost	$29,577		
Wool:			
In condition purchased—			
Pounds	1,113,994	582,590	467,877
Cost	$1,156,920	$169,404	$205,403
Equivalent in scoured condition—			
Pounds	93,765	355,941	435,848
Recovered wool fiber—			
Pounds	411,287	(1)	(1)
Cost	$254,462		
Wool waste and noils:			
Pounds	481,148	636,390	546,497
Cost	$307,797	$177,063	$268,337
Raw silk:			
Pounds	372,091	400,226	(1)
Cost	$3,587,861	$1,633,088	
Yarns purchased:			
Cotton—			
Pounds	58,079,460	59,709,074	59,035,958
Cost	$55,231,177	$18,044,864	$16,283,401
Woolen—			
Pounds	826,548	611,845	618,809
Cost	$1,232,926	$389,936	$399,134
Worsted—			
Pounds	2,681,474	2,114,360	1,684,786
Cost	$6,748,728	$1,690,928	$1,616,975
Merino—			
Pounds	918,605	339,279	389,296
Cost	$1,752,730	$202,024	$202,453
Silk and spun-silk—			
Pounds	2,603,469	877,180	250,467
Cost	$22,576,841	$3,332,641	$978,071
Artificial silk—			
Pounds	1,115,137	829,309	(1)
Cost	$5,380,758	$1,526,980	
Linen, jute, and other vegetable fiber—			
Pounds	1,645	22,743	15,975
Cost	$1,692	$13,931	$17,507
Sewing thread:			
Pounds	507,054	(1)	(1)
Cost	$935,965		
Buttons:			
Gross	794,432	(1)	(1)
Cost	$347,992		
Chemicals and dyestuffs, cost	$2,527,089	$530,187	$804,026
Fuel and rent of power, cost	$1,041,634	$443,057	$421,700
All other materials, cost	$13,231,970	$9,425,573	$5,718,242

[1] Not reported separately.

TABLE 25.—KNIT GOODS: 1919, 1914, AND 1909—Continued.

	1919	1914	1909
PRODUCTS.			
Total value	$188,260,800	$64,153,449	$49,657,506
Hose and half hose:			
Dozen pairs	29,097,288	29,855,896	27,832,601
Value	$124,962,543	$40,442,927	$30,847,344
Cotton—			
Dozen pairs	17,722,549	23,383,766	27,139,582
Value	$44,132,833	$23,209,500	$28,697,548
Hose—			
Dozen pairs	8,273,195	11,719,660	13,876,893
Value	$24,938,858	$13,258,784	$16,058,169
Half hose—			
Dozen pairs	9,449,354	11,664,106	13,262,689
Value	$19,193,975	$9,950,716	$12,639,379
Woolen, worsted, and merino—			
Dozen pairs	944,677	414,230	547,522
Value	$3,587,254	$709,233	$959,391
Hose—			
Dozen pairs	569,997	398,535	295,023
Value	$2,007,175	$672,840	$501,105
Half hose—			
Dozen pairs	374,680	15,695	252,499
Value	$1,580,079	$36,393	$458,286
Silk [1]—			
Dozen pairs	9,680,629	6,057,900	145,497
Value	$74,551,015	$16,524,194	$1,190,405
Hose—			
Dozen pairs	6,769,052	(2)	(2)
Value	$58,370,764		
Half hose—			
Dozen pairs	2,911,577	(2)	(2)
Value	$16,180,251		
Artificial silk—			
Dozen pairs	749,433	(2)	(2)
Value	$2,691,441		
Hose—			
Dozen pairs	132,773	(2)	(2)
Value	$826,863		
Half hose—			
Dozen pairs	616,660	(2)	(2)
Value	$1,864,578		
Shirts and drawers:			
Dozens	5,171,862	6,524,131	6,721,569
Value	$15,844,886	$9,154,213	$9,815,054
Cotton—			
Dozens	5,035,935	6,340,164	6,552,364
Value	$14,587,505	$8,008,691	$8,833,761
Merino—			
Dozens	110,048	163,755	161,883
Value	$986,875	$926,930	$921,319
All other—			
Dozens	25,879	20,212	7,322
Value	$270,506	$218,592	$59,974
Union suits:			
Dozens	2,250,825	1,415,583	436,275
Value	$14,712,349	$4,115,222	$1,394,282
Cotton—			
Dozens	2,172,792	1,388,936	412,567
Value	$13,074,126	$3,918,534	$1,155,327
Merino—			
Dozens	33,721	18,057	23,268
Value	$509,412	$136,050	$234,855
All other—			
Dozens	44,312	8,590	440
Value	$1,128,811	$60,638	$4,100
Bathing suits:			
Dozens	77,608	177,044	(2)
Value	$1,248,143	$698,116	
Gloves and mittens:			
Dozen pairs	371,026	310,939	284,931
Value	$2,621,387	$1,428,663	$1,037,894
Knitted headwear:			
Dozens	6,117	31,786	138,427
Value	$47,545	$108,416	$581,208
Cardigan jackets, sweaters, and jerseys:			
Dozens	288,064	304,550	221,700
Value	$9,559,785	$3,765,825	$2,986,061
Jersey cloth and stockinette:			
Square yards	3,955,284	1,223,689	177,766
Value	$7,893,118	$912,766	$135,792
All other products, value	$11,371,044	$3,527,301	$2,859,871

[1] Includes silk-mixed hose and half hose. [2] Not reported separately.

The loss in cotton hosiery was more than compensated by the gain in silk and silk-mixed hosiery. In 1909 silk and silk-mixed hosiery formed only five-tenths of 1 per cent of the quantity and 3.9 per cent of the value of all hosiery produced in the state, while in 1919 silk and silk-mixed hosiery formed 33.3 per cent of the quantity and 59.7 per cent of the value.

Since the manufacture of hosiery was first introduced in the United States as a machine industry, Pennsylvania, the original hosiery state, has held the lead in this branch of the knit-goods industry, and in 1919 contributed 34.4 per cent of the quantity and 40.5 per cent of the value of all hosiery made in the United States. It will be seen from the table that nearly two-thirds of the total value of knit goods produced in the state in 1919 was confined to hosiery, while underwear, fancy knit goods, and knitted cloth were less important, although they show in most cases substantial increases in quantity produced in 1919 as compared with the census of 1909.

Cotton manufactures (Table 26).—The cotton-manufacturing industry includes mills engaged in the manufacture of cotton goods, cotton small wares, and cotton lace. The materials and products for this industry are shown in considerable detail in Table 26 for the census years 1919, 1914, and 1909.

TABLE 26.—COTTON MANUFACTURES: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$50,925,566	$17,563,528	$18,757,025
Cotton:			
Pounds	14,172,479	20,572,141	25,688,597
Cost	$4,962,956	$2,482,452	$2,877,650
Yarns, purchased:			
Cotton—			
Pounds	42,070,842	40,724,610	46,787,905
Cost	$35,844,138	$10,814,194	$10,852,298
Silk and spun-silk—			
Pounds	112,492	83,439	144,128
Cost	$761,188	$263,794	$469,370
Artificial silk—			
Pounds	390,672	275,705	1,709,440
Cost	$1,904,114	$495,950	$965,106
Other—			
Pounds	906,224	564,854	
Cost	$1,085,618	$464,258	
Cotton waste, purchased:			
Pounds	1,476,598	2,504,161	1,310,239
Cost	$149,203	$112,625	$80,421
Starch, cost	$89,902	$71,488	$52,359
Chemicals and dyestuffs, cost	$985,903	$538,596	$480,367
Fuel and rent of power, cost	$1,042,350	$431,262	$450,989
All other materials, cost	$4,100,194	$1,888,909	$2,528,465
PRODUCTS.			
Total value	$90,581,626	$32,400,446	$33,917,033
Woven goods (over 12 inches in width):			
Pounds	30,318,076	(1)	(1)
Square yards	58,874,786	66,202,776	93,834,616
Value	$48,682,122	$16,235,292	$18,119,153
Cotton worsteds and cottonades—			
Pounds	2,756,466	(1)	(1)
Square yards	4,216,434	(2)	[3] 4,530,286
Value	$3,006,530	(2)	$1,150,291
Tapestries and other upholstery goods (except pile fabrics)—			
Pounds	5,991,985	(1)	(1)
Square yards	9,052,124	8,106,608	8,783,867
Value	$13,160,694	$4,803,688	$4,163,683
Velvets, corduroys, and plushes—			
Pounds	6,172,296	(1)	(1)
Square yards	6,463,830	4,793,205	3,038,945
Value	$11,575,008	$2,434,588	$1,515,405
Towels and toweling, except terry weaves—			
Pounds	2,704,041	(1)	(1)
Square yards	4,181,041	(2)	(2)
Value	$3,226,356	(2)	(2)
Turkish towels and toweling, and other terry weaves—			
Pounds	1,772,606	(1)	(1)
Square yards	4,144,961	9,989,645	10,501,557
Value	$2,033,684	$2,759,147	$1,749,813
Bedspreads and quilts (crochet, marseilles, and satin)—			
Pounds	630,102	(1)	(1)
Square yards	1,209,291	(2)	(2)
Value	$809,368	(2)	(2)
Cotton table damask—			
Pounds	357,843	(1)	(1)
Square yards	952,323	(2)	(2)
Value	$554,302	(2)	(2)
Other woven goods (over 12 inches in width)—			
Pounds	9,932,737	(1)	(1)
Square yards	28,654,782	43,313,228	66,979,961
Value	$14,316,180	$6,237,869	$9,539,961

[1] Not reported in 1914 and 1909.
[2] Not reported separately.
[3] Reported in 1909 as "cottonades."

TABLE 26.—COTTON MANUFACTURES: 1919, 1914, AND 1909—Con.

	1919	1914	1909
PRODUCTS—continued.			
Nottingham lace curtains:			
Pairs	2,935,614	4,127,985	
Value	$6,679,158	$3,342,828	[1] $7,238,321
Nottingham lace curtain nets:			
Linear yards	15,234,267	6,696,842	
Value	$5,532,697	$1,019,217	
Other lace and net goods, value	$2,379,099	$1,950,517	(2)
Woven tape and webbing, value	$4,152,754	$1,710,252	$2,141,178
Braids, value	$4,292,294	$1,681,790	(2)
All other cotton small wares, value	$908,091		
Yarns, for sale:			
Pounds	6,232,189	9,476,991	11,448,343
Value	$3,920,163	$2,075,228	$2,591,458
Cotton waste, for sale:			
Pounds	1,731,184	2,613,542	3,038,771
Value	$141,935	$97,915	$96,340
All other products, value	$13,892,413	$4,287,407	$3,730,583

[1] Reported in 1909 as the value of 66,867,709 square yards of "lace and lace curtains."
[2] Not reported separately.

In Pennsylvania the manufacture of cotton textiles is becoming less important at each census. From 1909 to 1919 the decreases in the quantity of raw cotton and purchased cotton yarn used were 44.8 and 10.1 per cent, respectively. Combined these two materials formed 80.1 per cent of the total cost of materials in 1919 and 73.2 per cent in 1909.

The production of woven goods (over 12 inches in width), which in 1919 formed 53.7 per cent of the total value of products, decreased 37.3 per cent in quantity during the ten years shown in the table. This decrease is largely due to a quantity of miscellaneous light-weight goods contained in other woven goods, reported in 1919 as dress goods, ginghams, sheetings, and piece goods not specified. While comparable figures for 1909 are not available, it will be seen that in the five years from 1914 the production of Nottingham lace curtains decreased 28.9 per cent in pairs, while Nottingham lace curtain nets increased 127.5 per cent in number of linear yards. The quantity of yarns and waste for sale showed a falling off at both the census of 1914 and 1919, and during the ten-year period shown in the table the former decreased 45.6 per cent and the latter 43 per cent.

Silk manufactures (Table 27).—This table shows the quantity and cost of the principal materials and the quantity and value of the most important products of the silk industry in 1919, 1914, and 1909.

In 1919 there were 373 establishments, including 143 throwsters, in the silk-manufactures industry in Pennsylvania.

At the census of 1919 Pennsylvania took the lead for the first time, among the states, in value of products, in the manufacture of silk textiles, and at the same time this industry became of primary importance among the many kinds of textiles manufactured within the state.

Raw silk, which increased 80.9 per cent in quantity from 1909 to 1919, was the principal item of cost among the several kinds of materials used, and, in 1919, formed 63.8 per cent of the total cost of all materials for the industry within the state. In contrast with the decrease in quantity of silk yarns, cotton yarns showed an increase of 39.7 per cent from 1909 to 1919.

TABLE 27.—SILK MANUFACTURES: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$126,287,243	$48,795,481	$35,165,571
Silk:			
Raw—			
Pounds	10,007,598	8,073,266	5,532,973
Cost	$80,527,565	$31,573,509	$21,206,972
Spun—			
Pounds	1,118,958	723,176	695,067
Cost	$6,830,327	$1,845,513	$1,566,914
Artificial—			
Pounds	481,273	176,682	127,486
Cost	$2,269,013	$334,022	$273,646
Organzine, tram, and hard crepe twist—			
Pounds	1,425,462	1,760,594	1,719,952
Cost	$13,882,065	$7,934,419	$7,531,045
Yarns, other than silk:			
Cotton, not mercerized—			
Pounds	4,183,116	3,590,419	2,869,000
Cost	$4,059,169	$1,328,708	$1,077,157
Mercerized cotton—			
Pounds	255,398	336,904	309,063
Cost	$476,497	$217,198	$224,029
Woolen or worsted—			
Pounds	324,621	454,307	83,075
Cost	$1,349,634	$569,877	$98,340
All other—			
Pounds	218,948	59,485	186,170
Cost	$478,640	$72,016	$157,214
Fuel and rent of power, cost	$2,663,464	$806,816	$495,850
All other materials, cost	$13,750,863	$4,113,403	$2,534,404
PRODUCTS.			
Total value	$231,711,352	$86,938,554	$62,061,302
Broad silks:			
Yards	124,747,755	90,727,907	65,569,386
Value	$152,574,138	$57,451,134	$35,772,192
All silk—			
Yards	99,272,085	64,052,216	41,600,686
Value	$126,211,810	$42,833,383	$25,873,332
In the gray—			
Yards	27,527,413	(1)	(1)
Value	$35,070,760	(1)	(1)
Piece-dyed and printed—			
Yards	20,848,704	[2] 26,320,088	[2] 4,576,128
Value	$28,709,858	[2] $18,058,376	[2] $2,920,664
Yarn-dyed, including warp-printed—			
Yards	50,895,968	37,732,128	37,024,558
Value	$62,431,192	$24,775,007	$22,952,668
Silk-mixed—			
Yards	25,475,670	26,675,691	23,968,700
Value	$26,362,328	$14,617,751	$9,898,860
In the gray—			
Yards	20,919,703	(1)	(1)
Value	$19,920,144	(1)	(1)
Piece-dyed and printed—			
Yards	742,863	[2] 18,235,594	[2] 15,583,924
Value	$1,245,053	[2] $9,835,242	[2] $5,360,206
Yarn-dyed, including warp-printed—			
Yards	3,813,104	8,440,097	8,384,776
Value	$5,197,131	$4,782,509	$4,538,654
Organzine, tram, and hard crepe twist:			
Pounds	1,657,264	1,306,686	1,642,004
Value	$16,481,230	$5,163,732	$7,475,327
Machine twist, sewing, embroidery, fringe, and floss silks:			
Pounds	71,681	190,497	174,468
Value	$1,089,196	$801,538	$824,643
Ribbons, value	$23,350,039	$13,667,159	$10,008,146
Laces, nets, veilings, embroideries, fringes, gimps, etc., value	$415,063	$610,439	$780,047
Braids and bindings, value	$2,543,885	(3)	(3)
Military and tailors' trimmings, value	$581,596	$396,479	$1,498,148
All other products, value	$12,289,243	$3,639,751	$1,285,821
Amount received for contract work, value	$22,386,962	$5,208,322	$4,416,978
Silk thrown on commission, total pounds	12,409,711	9,754,295	7,733,016
Into organzine, pounds	4,177,655	5,201,159	4,150,688
Into tram, pounds	4,493,723	4,553,136	3,582,328
Into hard crepe twist, pounds	3,738,333	(1)	(1)

[1] Not reported separately.
[2] Includes some gray goods.
[3] Included with laces, nets, etc.

Broad silks were the principal products of the silk mills in Pennsylvania, the value of these forming 65.8 per cent in 1919 of the total value of products for this industry in the state, and the quantity increasing 90.3 per cent during the ten-year period 1909–1919. Of the value of broad silks manufactured in 1919, 82.7 per cent were that of all silk goods, the production of these goods having increased in quantity 138.6 per cent during the ten-year period shown in the table.

A larger amount of contract work on silk is done in this state than in any other. The character of this work is chiefly throwing. The amount of yarn which was thrown on commission has shown a constant increase, and in 1919 the number of pounds thrown was 60.5 per cent more than that thrown in 1909.

Hats, fur-felt (Table 28).—This table shows the quantity and cost of the principal materials used and the quantity and value of fur-felt hats manufactured in 1919, 1914, and 1909.

TABLE 28.—HATS, FUR-FELT: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$5,917,900	$3,888,530	$5,012,770
Hatters' fur:			
Pounds	1,290,704	1,459,412	1,976,118
Cost	$4,291,290	$2,519,557	$2,420,635
Fur-felt hat bodies and hats in the rough:			
Dozens	7,550	11,987	26,984
Cost	$66,129	$75,071	$175,642
Chemicals and dyestuffs, cost	$87,684	$73,676	$164,843
All other materials, cost	$1,472,797	$1,220,226	$2,251,650
PRODUCTS.			
Total value	$17,995,301	$11,040,820	$13,022,617
Fur-felt hats:			
Dozens	378,599	472,498	668,696
Value	$17,826,204	$11,013,629	$12,943,334
All other products, including contract work, value	$169,097	$27,191	$79,283

In 1919, 21.7 per cent of the total value of products for the fur-felt hat industry in the United States were reported for Pennsylvania. In 1914 the state ranked first among the states in value of fur-felt hats produced, but in 1919 dropped to third place, being exceeded by Connecticut and New York. In the ten years from 1909 to 1919 the quantity of hatters' fur used decreased 34.7 per cent, and the fur-felt hat bodies and hats in the rough decreased 72 per cent, while the production of fur-felt hats decreased 43.4 per cent during the same period.

Machinery used in textile mills (Table 29).—The different kinds of machines, which have been accepted by textile manufacturers as best indicating the trend of the industries, are shown in detail for several branches of textile manufactures in Pennsylvania for 1919, 1914, and 1909.

In comparing the machinery of 1909 with that of 1919 it will be seen that, with the exception of a slight increase in looms used in wool manufactures (not including carpets and rugs), all increases in machinery may be attributed to the silk and knit-goods industries. In the silk-manufactures industry from 1909 to 1919 spindles increased 58.2 per cent and looms 55.2 per cent. During the same period in the knit-goods industry, knitting machines increased 43.1 per cent and woolen cards 51.4 per cent. There was a decrease of 38.8 per cent in the spindles for this industry, largely due to the decrease in cotton spindles.

TABLE 29.—MACHINERY USED IN TEXTILE MILLS: 1919, 1914, AND 1909.

MACHINE.	Census year.	Total.	Woolen, worsted, and felt goods, and wool-felt hats.	Silk goods, including throwsters.	Knit goods.	Cotton goods, cotton lace, and cotton small wares.	Carpets and rugs, other than rag.
Producing spindles (not including doubling and twisting).	1919	2,481,066	608,366	1,610,086	20,593	222,107	19,914
	1914	2,218,569	579,654	1,350,079	22,476	243,738	22,622
	1909	1,971,907	642,430	1,017,992	33,648	252,671	25,166
Looms	1919	[1] 69,056	11,424	[1] 40,730	.....	12,615	[2] 4,287
	1914	59,973	10,942	33,694	.....	10,583	[2] 4,754
	1909	57,763	11,420	26,249	.....	14,129	[2] 5,965
Knitting machines	1919	[3] 64,346	.....	.....	[3] 64,346	.....	.....
	1914	51,422	.....	.....	51,422	.....	.....
	1909	44,960	.....	.....	44,960	.....	.....
Woolen cards (sets).	1919	[4] 867	745	.....	[4] 53	.....	69
	1914	855	769	.....	34	.....	52
	1909	947	840	.....	35	.....	72
Wool-combing machines.	1919	343	339	.....	.....	.....	4
	1914	320	309	.....	.....	.....	11
	1909	354	342	.....	.....	.....	12

[1] Includes 3,248 looms idle entire year.
[2] Figures include woolen, worsted, and cotton looms, as follows: In 1919, 011; in 1914, 447; and in 1909, 328.
[3] Includes 6,838 knitting machines idle entire year.
[4] Includes 1 set of cards idle entire year.

Printing and publishing (Tables 30 and 31).—Table 30 shows the number and aggregate circulation per issue of all newspapers and periodicals published in Pennsylvania as reported at the censuses of 1919, 1914, and 1909.

The reduction in number of publications and in circulation is due to various causes, among them being the high cost of materials and labor. The decrease for all publications is 19.6 per cent in number and 5.4 per cent in circulation.

The lack of a greater increase in circulation of dailies is due in part to the reduction in circulation of two foreign-language papers, one in German and the other in Yiddish; in part to the discontinuance of a number of dailies, one of which reported a considerable circulation at the census of 1914; and, in part, to the lower circulation reported by leading newspapers. The decrease in circulation of Sunday newspapers is likewise due to discontinuances and to reduction in circulation as actually reported by various papers. In some instances the daily and Sunday circulation of newspapers was given, in 1914, as the sworn statement to the Post Office Department, this being a statement of the average circulation for the previous six months. The census schedule calls for the "average circulation per issue for week ending December 31." One of the publications of large circulation re-

ported as a semiweekly in 1914 was discontinued, a sporting weekly now being the only issue by that establishment.

The decrease in number and circulation of quarterly publications is due to the decrease in the reported circulation of religious quarterlies published by a number of evangelical denominations for Sunday School use, due in part, it is probable, to changes in methods of instruction.

TABLE 30.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total	1,204	1,498	1,520	20,364,679	21,530,742	19,674,336
Daily	201	224	223	3,047,247	2,952,135	2,924,306
Sunday	29	39	27	1,612,115	1,760,504	1,481,282
Semiweekly [1]	23	46	52	72,533	337,806	243,089
Weekly	653	788	847	6,154,412	6,146,332	5,319,021
Semimonthly	12	12	10	168,147	147,730	51,650
Monthly	191	264	253	6,001,752	6,046,975	6,107,571
Quarterly	85	113	97	3,201,478	3,838,673	3,516,933
All other classes [2]	10	12	11	16,995	300,587	30,484

[1] Includes, in 1919, 2 triweeklies, in 1914, 6, and in 1909, 5.
[2] Includes, in 1919, 9 bimonthly publications and 1 semiquarterly; in 1914, 10 bimonthly publications and 2 semiannuals; and in 1909, 2 bimonthly publications and 9 "All other."

Table 31 shows the number and circulation of foreign-language publications in Pennsylvania by period of issue, compared with those printed in English, for 1919, 1914, and 1909.

There was a decrease both in number and circulation of foreign-language publications for the five years 1914–1919. In 1919 the foreign-language circulation was 3.3 per cent of the total; in 1914 it was 4.8 per cent. The decrease was 353,279, or 34.3 per cent. The greatest reduction was in the circulation of German, and English-and-German publications. In 1919 there were 18 German publications with a circulation of 77,649, and 3 English-and-German publications with a circulation of 47,938; whereas, in 1914, there were 42 in German with a circulation of 227,694, and 7 in English-and-German with a circulation of 312,012. Of the German publications in 1919, 3 were dailies, 2 published in the morning and 1 in the afternoon; 2 were published on Sunday, and 13 were weeklies. Of the 3 English-and-German publications, 1 was a morning daily, 1 a Sunday, and 1 a weekly.

Other foreign-language publications were: Bohemian, 1 weekly and 1 monthly; Croatian and Hungarian each, 2 weeklies; Italian, 1 morning daily, 1 Sunday, and 11 weeklies; Lithuanian, 1 weekly, 1 semiweekly, and 1 monthly; Magyar, 2 weeklies; Polish, 1 morning daily, 1 Sunday, and 15 weeklies; Russian, 2 weeklies, 1 semiweekly, and 1 monthly; Ruthenian, 1 weekly; Slovak, 7 weeklies and 1 monthly; Ukranian, 1 triweekly, 1 weekly, and 1 semimonthly; Wendish, 1 weekly; Yiddish, 1 morning daily and 1 weekly; English-and-Italian, and English-and-Russian-and-Slovak and Russian-and-Slovak each, 2 weeklies; English-and-Slovak, 1 weekly; English-and-Spanish, 1 monthly; English-and-Spanish-and-Italian, 1 quarterly.

TABLE 31.—PRINTING AND PUBLISHING—COMPARATIVE LANGUAGE TABLE: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	Census year.	TOTAL.		IN ENGLISH.		IN FOREIGN LANGUAGES.	
		Number.	Aggregate circulation.	Number.	Aggregate circulation.	Number.	Aggregate circulation.
Total	1919	1,204	20,364,679	1,112	19,687,257	92	677,422
	1914	1,498	21,530,742	1,372	20,500,041	126	1,030,701
	1909	1,520	19,674,336	1,424	19,265,581	96	408,755
Daily	1919	201	3,047,247	194	2,971,250	7	75,997
	1914	224	2,952,135	213	2,800,390	11	151,745
	1909	223	2,924,306	215	2,848,657	8	75,649
Sunday	1919	29	1,612,115	23	1,539,339	6	72,776
	1914	39	1,760,504	32	1,670,974	7	89,530
	1909	27	1,481,282	22	1,424,350	5	56,932
Weekly	1919	653	6,154,412	584	5,755,723	69	398,689
	1914	788	6,146,332	709	5,777,470	79	368,862
	1909	847	5,319,021	778	5,132,782	69	186,239
Monthly	1919	191	6,001,752	186	5,973,752	5	28,000
	1914	264	6,046,975	248	5,970,263	16	76,712
	1909	253	6,107,571	244	6,050,536	9	57,035
All other classes [1]	1919	130	3,549,153	125	3,447,193	5	101,960
	1914	183	4,624,796	170	4,280,944	13	343,852
	1909	170	3,842,156	165	3,809,256	5	32,900

[1] Includes, in 1919, 84 quarterlies in English, and 1 quarterly in a foreign language; in 1914, 109 quarterlies in English, and 4 in foreign languages; and in 1909, 94 quarterlies in English, and 3 in foreign languages.

Leather, tanned, curried, and finished (Table 32).—This table gives the quantity and cost of the principal materials used, and the value of the different products of the industry, in 1919, 1914, and 1909.

TABLE 32.—LEATHER, TANNED, CURRIED, AND FINISHED: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$146,405,377	$68,308,720	$59,113,124
Cattle hides:			
Number	5,056,843	4,657,229	5,449,826
Cost	$73,196,302	$38,573,094	$30,118,025
Skins:			
Calf and kip—			
Number	135,741	129,931	142,464
Cost	$393,141	$170,810	$212,316
Goat and kid—			
Number	27,769,243	20,019,153	23,117,712
Cost	$38,298,645	$11,906,728	$12,909,125
Sheep and lamb—			
Number	3,092,412	3,756,551	2,445,024
Cost	$5,507,480	$1,846,752	$1,160,130
All other raw stock, cost	$2,702,477	$1,819,427	$208,685
Fuel and rent of power, cost	$1,972,061	$872,925	$726,432
All other materials, cost	$24,335,271	$13,118,984	$13,778,411
PRODUCTS.			
Total value	$211,389,349	$85,252,532	$77,926,321
Leather:			
Sole, value	$101,041,783	$50,485,259	$39,904,180
Hemlock—			
Sides	718,761	3,524,274	4,752,308
Value	$6,714,229	$17,454,913	$17,194,852
Oak and chrome—			
Sides	4,093,311	1,006,237	779,242
Value	$47,334,599	$7,328,589	$4,735,428
Union—			
Sides	4,327,899	3,945,085	3,675,802
Value	$46,992,955	$25,701,757	$17,973,900
Goat and kid—			
Skins	26,304,818	20,004,764	23,822,008
Value	$68,214,549	$17,027,618	$19,975,045
Case, bag, and strap leather—			
Sides	415,413	424,133	(1)
Value	$4,377,532	$2,261,398	(1)
All other leather, value	$26,794,579	$11,940,960	$13,376,193
All other products, value	$4,016,037	$1,693,154	$1,412,742
Work on materials for others, value	$6,944,869	$1,844,143	$3,258,161

[1] Not reported separately.

Pennsylvania leads all other states in the manufacture of leather. The total cost of raw stock, tanning materials, fuel, rent of power, etc., shows an increase in 1919 of $78,096,657, or 114.3 per cent, over 1914. The principal materials used were cattle hides and goat and kid skins. The former constituted 22.8 per cent of the total number treated in the United States and the latter 50.1 per cent. Other skins reported were calf and kip, sheep and lamb, cabretta, kangaroo, and wallaby.

The total value of products in 1919 formed 22.8 per cent of the total for the industry in the United States. The increase over 1914 of $126,136,817, or 148 per cent, in value of products is of even greater magnitude than the increase in cost of materials. Sole leather was the principal leather produced. Its value formed 47.8 per cent of the total for the state and, compared with 1914, shows an increase of slightly more than 100 per cent. Goat and kid skins show a substantial increase both in quantity and value. All other leather consisted chiefly of sole leather offal, cattle side upper, belting and patent leather skivers, fleshers, etc. The value was more than double the amount reported for 1914. Work on materials for others increased by 276.6 per cent.

Boots and shoes (Tables 33 and 34).—Table 33 gives the number of pairs and value of the various kinds of footwear produced in 1919, 1914, and 1909.

TABLE 33.—BOOTS AND SHOES, BY CLASSES: 1919, 1914, AND 1909.

CLASS.	NUMBER OF PAIRS AND VALUE.		
	1919	1914	1909
Aggregate value	$65,411,673	$27,844,752	[1] $30,519,498
Boots and shoes:			
Total number of pairs	17,909,498	17,717,591	11,631,329
Total value	$55,546,728	$24,640,436	.....
Men's—			
Number of pairs	2,117,680	1,697,909	942,959
Value	$9,287,818	$4,165,382	.....
Boys' and youths'—			
Number of pairs	1,192,017	1,230,664	1,105,348
Value	$4,055,957	$1,904,764	.....
Women's—			
Number of pairs	3,869,766	3,672,662	3,285,815
Value	$19,051,657	$8,041,711	.....
Misses' and children's—			
Number of pairs	10,730,035	11,116,356	6,297,207
Value	$23,151,296	$10,528,579	.....
Slippers:			
Number of pairs	817,240	312,334	1,165,117
Value	$2,488,601	$708,109	.....
Infants' shoes and slippers:			
Number of pairs	4,324,866	4,117,042	(2)
Value	$6,152,612	$1,968,855	.....
All other footwear:			
Number of pairs	565,758	37,535	4,792,028
Value	$598,485	$20,390	.....
All other products, including amount received for work done for others, value	$625,247	$506,962	.....

[1] Aggregate value only reported in 1909. [2] Included in "all other footwear."

Though the manufacture of boots, shoes, and slippers is not one of the leading industries of the state of Pennsylvania, it is prominent among the many industries in the state. There was a slight increase in the number of pairs of boots and shoes produced in 1919 as compared with 1914. This is in strong contrast with the large increase shown for the previous five-year period. Of the different classes of footwear reported, men's and women's both show a gain, while boys' and youths', and misses' and children's show a loss for the census period 1914–1919. More than one-half of the total number of pairs of shoes reported were misses' and children's. Slippers, infants' shoes and slippers, other footwear, and other products, all show increases over 1914. All other footwear includes sandals, moccasins, and canvas and athletic shoes.

Table 34 gives the various classes of footwear produced in 1919, classified according to the method of manufacture, 1919 and 1914.

Welted shoes formed 39.5 per cent of the total for the state in 1919 as against 27.2 per cent in 1914. Turned shoes formed 30.5 per cent of the total in 1919 and 39.4 per cent in 1914, and McKay 28.5 and 30.5 per cent, respectively. Only a few wood or metal fastened shoes were reported, these representing but 1.4 per cent of the total in 1919 and less than 3 per cent in 1914. Practically all the turned and more than 50 per cent of the McKay's were misses' and children's. Nearly 90 per cent of all other footwear was turned.

TABLE 34.—BOOTS AND SHOES—NUMBER OF PAIRS, BY METHOD OF MANUFACTURE: 1919 AND 1914.

CLASS.	Census year.	Total.	Welted.	Turned.	McKay.	Wood or metal fastened.
Boots and shoes	1919	17,909,498	7,081,137	5,463,726	5,106,379	258,256
	1914	17,717,591	4,823,414	6,981,379	5,404,466	508,332
Men's	1919	2,117,680	1,682,322	.....	[1] 192,630	242,728
	1914	1,697,909	1,236,963	.....	[2] 51,732	409,214
Boys' and youths'	1919	1,192,017	669,644	.....	506,845	15,528
	1914	1,230,664	327,077	.....	804,469	99,118
Women's	1919	3,869,766	2,167,815	355,635	[3] 1,346,316	.....
	1914	3,672,662	1,979,191	[3] 416,222	1,277,249	.....
Misses' and children's	1919	10,730,035	2,561,356	5,108,091	[4] 3,060,588	.....
	1914	11,116,356	1,280,183	6,565,157	[3] 3,271,016	.....
All other footwear	1919	5,707,864	84,603	[5] 5,060,121	563,140	.....
	1914	4,466,911	.....	[5] 4,102,005	364,906	.....

[1] Includes "Stitchdown."
[2] Includes "Turned."
[3] Includes "Wood or metal fastened."
[4] Includes "Wood or metal fastened" and "Stitchdown."
[5] Includes "Welted."

Chemical industries. (Table 35).—This table presents the statistics of products for the chemical industries, 1919, 1914, and 1909. The state ranks third in the industry, being exceeded by New York and New Jersey.

The production, 1919, comprises all products reported by 79 establishments engaged primarily in the manufacture of chemicals, including those of coal-tar origin and sulphuric, nitric, and mixed acids, amounting to $85,242,700 and chemicals to the value of $9,403,319 manufactured by establishments included under other industry classifications. In 1914 there were 45 establishments in the classified industries constituting the group, and in 1909, 43 establishments. There was an increase of 280 per cent in the value of all products for the period 1914–1919, and 32 per cent for 1909–1914.

TABLE 35.—CHEMICAL INDUSTRIES: 1919, 1914, AND 1909.

	1919	1914	1909
Products, total value	$94,696,019	$24,909,294	$18,813,785
The classified industries:			
Chemicals	73,332,932	22,387,835	15,978,162
Coal-tar products	9,492,331		
Sulphuric, nitric, and mixed acids	11,870,756	2,521,459	2,835,623
Subsidiary chemical products from other industries			
Acids	12,924,582	4,456,542	3,158,940
Alums, aluminum, and compounds	3,479,866	1,362,357	1,390,383
Compressed and liquefied gases	3,460,121	1,545,857	931,388
Bleaching compounds	147,586	(1)	(1)
Sodas, sodium and compounds	2,600,426	1,129,863	1,076,592
Other chemicals	62,277,416	14,020,801	12,011,487
All other products	9,806,022	2,393,874	244,995

[1] Not reported separately.

Petroleum, refining (Table 36).—This table shows the cost of materials, the quantity and value of the principal products, and details of the equipment reported in 1919, 1914, and 1909. Measured by value of products, Pennsylvania ranked fourth among the states in the petroleum-refining industry in 1919, being exceeded by New Jersey, Texas, and California.

From 1914 to 1919 the total cost of materials increased $90,596,711, or 204.1 per cent, and the value of products $125,950,531, or 238.2 per cent. The quantity of crude petroleum used as material increased from 17,523,078 barrels of 42 gallons to 28,832,738 barrels, or 64.5 per cent. More than one-half of the crude petroleum used (55 per cent) was from the Appalachian field (Pennsylvania grade); 19.5 per cent was Mid-Continent; 24.3 per cent, Gulf and Mexican; and 1.2 per cent, Illinois.

The total production of refined oils in 1919 was 22,134,606 barrels, of which fuel oils constituted 33.6 per cent; naphtha, gasoline, etc., 28.6 per cent; illuminating oils, 20.7 per cent, and lubricating oils, 17.1 per cent. In 1914 the production of refined oils was 13,526,498 barrels, of which illuminating oils formed 38.5 per cent; lubricating oils, 23.6 per cent; fuel oils, 20.7 per cent; and gasoline and naphtha, 17.2 per cent. There was an increase in the production of refined oils from 1914 to 1919 amounting to 8,608,108 barrels, or 63.6 per cent.

TABLE 36.—PETROLEUM, REFINING: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$134,981,205	$44,384,494	$47,440,316
Crude petroleum:			
Barrels (42 gallons)	28,832,738	17,523,078	21,893,871
Cost	$96,673,255	$35,111,351	$38,914,307
Distillates, purchased and re-run:			
Barrels (42 gallons)	1,413,184	367,841	(1)
Cost	$9,156,152	$1,141,044	(1)
Casing-head gasoline, purchased:			
Barrels (42 gallons)	836,996	(1)	(1)
Cost	$9,027,516	(1)	(1)
Sulphuric acid, purchased:			
Tons	65,246		
Cost	$1,139,514	$510,334	$728,813
Other chemicals and filtering material, cost	$1,060,082		
Containers and materials therefor:			
Wooden, cost	$6,005,384	$2,839,811	$3,229,016
Metal, cost	$1,365,669	$955,345	$1,252,524
All other materials, including fuel and rent of power, cost	$10,553,633	$3,826,609	$3,315,656

[1] Figures not available.

TABLE 36.—PETROLEUM, REFINING, 1919, 1914, AND 1909—Con.

	1919	1914	1909
PRODUCTS.			
Total value	$178,825,632	$52,875,101	$53,088,199
Naphthas and lighter products:			
Gasoline—			
Gallons	119,612,645	101,188,650	
Value	$26,408,487	$10,073,541	
Naphtha—			
Gallons	189,275,218		102,555,900
Value	$38,639,214	14,932,800	$8,063,575
Benzine, etc.—		$1,147,484	
Gallons	7,306,744		
Value	$1,046,877		
Illuminating oils:			
Gallons	229,090,786	260,598,600	432,974,400
Value	$26,415,718	$15,083,873	$24,319,743
Fuel oils:			
Distillates—			
Gallons	107,187,532		
Value	$6,401,354		
Gas oils—			
Gallons	62,523,984	139,681,800	135,603,650
Value	$3,910,856	$4,595,605	$3,207,308
Residual fuel oil—			
Gallons	201,891,499		
Value	$8,873,496		
Lubricating oils:			
Pale or paraffin—			
Gallons	2,261,754		
Value	$4,276,462		
Red or neutral—			
Gallons	37,858,148		
Value	$9,216,628	159,923,050	156,246,050
Cylinder oils—		$16,722,418	$12,965,591
Gallons	47,954,439		
Value	$13,105,590		
All other—			
Gallons	101,767,567		
Value	$25,758,416		
Partly refined oils sold for rerunning:			
Gallons	10,082,161	(1)	(1)
Value	$1,172,855	(1)	(1)
Liquid asphaltic road oils and residuum or tar:			
Gallons	2,877,870	4,917,150	1,935,050
Value	$161,156	$211,796	$92,988
Greases, petrolatum, lubricating and axle:			
Gallons	5,134,858	4,026,800	873,550
Value	$2,510,366	$912,938	$108,616
Paraffin wax:			
Gallons	11,814,536	11,497,200	16,340,450
Value	$5,527,370	$1,557,446	$2,456,178
Asphalt, other than liquid asphalt:			
Tons (2,000 pounds)	193,131		
Value	$2,214,219		
Coke:			
Tons	41,217	$2,570,000	$1,874,200
Value	$578,564		
Other special products, value	$1,213,706		
All other products, value	$1,394,298		
EQUIPMENT.			
Stills:			
Steam—			
Number	159	141	108
Capacity (gallons)	3,890,763	3,401,874	7,254,072
Fire—			
Number	572	548	471
Capacity	14,384,014	13,873,314	23,991,828
Pressure—			
Number	60	.....	.....
Capacity	914,400	.....	.....
Storage tanks:			
Crude petroleum—			
Number	252	185	118
Capacity (gallons)	105,347,011	76,891,656	64,429,951
Refined petroleum products—			
Number	1,930	2,135	
Capacity	160,496,458	140,147,570	
Fuel oil—			
Number	286	79	2,138
Capacity	55,835,915	18,287,639	224,531,444
Other storage tanks:			
Number	1,995	1,127	
Capacity	225,425,653	88,030,237	

[1] Figures not available.

Coke (Table 37).—This table presents the statistics for the coke industry for 1919, 1914, and 1909. The state leads with 37.8 per cent of the total value of products for the United States in 1919, 43.3 per cent in 1914, and 54.1 per cent in 1909. The industry was represented by 123 establishments in 1919, 108 in 1914, and 146 in 1909. The value of all products in 1919, namely, $119,730,589, comprises $70,169,342 reported by 112 beehive-oven establishments and $49,561,247 by 11 by-product oven plants.

The value of all products in 1919 shows an increase of 178 per cent over that for 1914, whereas 1914 decreased 17 per cent compared with 1909.

The figures for coke and coal consumption are compiled by the United States Geological Survey. The increase in total coke production, 1914–1919, was but 1.2 per cent, resulting from a decrease of 3,439,067 tons in beehive coke and an increase of 3,682,505 tons in by-product coke. In 1909 by-product oven coke constituted 7.8 per cent of the total coke production; in 1914, 10.8 per cent; and in 1919, 28.6 per cent.

TABLE 37.—COKE, NOT INCLUDING GAS-HOUSE COKE: 1919, 1914, AND 1909.

(Net tons.)

	1919	1914	1909
PRODUCTS.			
Total value	$119,730,589	$42,996,443	$51,816,449
Coke, tons	20,501,831	20,258,393	24,905,525
Value	$102,902,920	$42,447,886	$50,377,035
Average value, ton	$5.00	$2.10	$2.02
Made in—			
Beehive ovens—			
Tons	14,634,990	18,074,057	22,966,105
Value	$69,861,837	$35,877,910	$45,315,189
Retort or by-product ovens—			
Tons	5,866,841	2,184,336	1,939,420
Value	$33,041,083	$6,569,976	$5,061,846
Balance, including by-products, etc., Value	$16,827,669	$548,557	$1,439,414
MATERIALS.			
Coal charged into ovens, tons	30,957,032	30,286,961	36,983,568
Run of mine:			
Unwashed, tons	27,172,342	25,568,962	31,712,482
Washed, tons	2,577,741	2,135,754	2,278,927
Slack:			
Unwashed, tons	236,649	465,927	1,016,576
Washed, tons	970,300	2,116,318	1,975,583
EQUIPMENT.			
Ovens, number at end of year	50,225	54,075	54,506
Beehive ovens	[1] 47,379	52,553	53,210
Retort or by-product ovens	[2] 2,846	1,522	1,296

[1] Of these, 24,201 were active. [2] Of these, 2,281 were active.

Glass (Table 38).—This table shows the quantity and value of the different classes of building glass and the value of pressed and blown glass, and of bottles and jars, and of all other products, for 1919, 1914, and 1909.

In 1919 Pennsylvania reported 30.7 per cent of the total value of glass manufactured in the United States. The total value of glass produced in this state represents an increase of 102.2 per cent over 1914. Window glass, the product of chief value among those for use in building, decreased 21.4 per cent in quantity, but increased 107.4 per cent in value over 1914. Obscured glass and plate glass also show decreased production with increased values during the same period. The total value of pressed and blown glass increased 86.1 per cent, and that of bottles and jars 69.3 per cent, over 1914. Of the 102 establishments engaged in the manufacture of glass in the state in 1919, 40 produced building glass, 34 pressed and blown glass, and 35 bottles, jars, etc. Pennsylvania ranked first in the manufacture of building glass and pressed and blown glass, and second in the production of bottles and jars.

TABLE 38.—GLASS: 1919, 1914, AND 1909.

	1919	1914	1909
Products, total value	$80,479,752	$39,797,822	$32,817,936
Building glass, value	$39,613,933	$18,968,873	$14,958,649
Window glass—			
Square feet	151,932,372	193,392,492	181,772,450
Value	$17,861,533	$8,613,703	$5,786,591
Obscured glass—			
Square feet	17,217,490	23,114,813	[1] 10,792,914
Value	$2,263,175	$1,254,911	$543,019
Plate glass—			
Square feet	28,928,306	33,615,943	31,992,783
Value	$18,073,151	$8,192,576	$8,245,821
Wire glass—			
Square feet	7,884,730	7,219,018	(2)
Value	$1,318,590	$586,120	
All other, value	$97,484	$321,563	$383,218
Pressed and blown glass, value	$20,923,793	$11,241,495	$9,847,228
Bottles and jars, value	$15,120,155	$8,930,255	$7,778,787
All other products, value	$4,821,871	$657,199	$233,272

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

Paints and varnishes (Table 39).—This table gives the product statistics for the paint and varnish industries combined for 1919, 1914, and 1909. These data represent 104 establishments in 1919, 88 engaged primarily in the manufacture of paints and 16 in the manufacture of varnishes, as compared with 114 in 1914 (91 paints and 23 varnishes) and 1909.

TABLE 39.—PAINTS AND VARNISHES: 1919, 1914, AND 1909.

	1919	1914	1909
Products, total value	[1] $38,845,266	$16,004,616	$14,019,744
Paint industry	$35,747,820	$14,207,095	$14,019,744
Varnish industry	$3,097,446	$1,797,521	
Pigments	$12,161,865	$3,248,837	$3,055,741
Paints	$15,261,311	$6,915,720	$6,312,862
In paste form, ground in oil—			
White lead—			
Pounds	28,837,497	41,526,000	32,401,207
Value	$3,252,483	$2,470,052	$1,995,179
All other—			
Pounds	15,320,321	29,936,997	29,741,101
Value	$1,667,595	$1,583,668	$1,609,481
In oil, ready mixed for use—			
Gallons	5,055,630	3,099,564	3,083,523
Value	$10,341,233	$2,862,000	$2,708,202
Varnishes and japans	$3,557,382	$2,056,265	$1,814,551
Oleoresinous varnishes—			
Gallons	1,503,725	454,323	397,010
Value	$1,419,140	$388,029	$356,105
Spirit varnishes, not turpentine—			
Gallons	135,386	196,892	72,567
Value	$259,474	$180,969	$93,945
Damar and similar turpentine and benzine varnishes—			
Gallons	429,204	309,268	502,987
Value	$492,851	$285,705	$309,029
Drying japans and dryers—			
Gallons	1,024,305	1,610,416	2,199,656
Value	$688,713	$597,503	$800,082
Baking japans and lacquers—			
Gallons	98,087	1,410,190	
Value	$77,023	$234,457	
All other varnishes and japans	$620,181	$369,602	$255,390
Fillers:			
Liquid—			
Gallons	92,584		
Value	$165,145		
Dry or in paste—			
Pounds	4,229,397	$688,804	$498,517
Value	$508,681		
Putty—			
Pounds	6,729,081		
Value	$362,221		
Water paints and kalsomine:			
Dry or in paste—			
Pounds	1,301,477	265,499	$712,592
Value	$48,348	$12,870	
Mixed for use, value	$4,030	$6,966	
All other products, value	$6,776,283	$3,075,154	$1,625,481

[1] In addition, products within the scope of these industries to the value of $19,155,537 were reported as subsidiary products by establishments engaged primarily in the manufacture of other products.

There was a large production of pigments in 1919, chiefly zinc oxide and lithopone, reported by establishments included under other industry classifications. The aggregate value of products within the scope of the paint and varnish industries, but manufactured by establishments engaged primarily in the manufacture of other commodities, was $19,155,537.

Slaughtering and meat packing (Table 40).—This table presents for the last three census periods, 1919, 1914, and 1909, the number and cost of all classes of animals slaughtered; the cost of all other materials, which includes that for poultry, dressed meat purchased for curing, cottonseed oil for making lard compounds and substitutes, butter and whole milk for making oleomargarine, materials for making ice, curing materials, seasoning, refrigeration, containers, fuel, rent of power, mill supplies, and freight; and the quantity and value of the most important products that can be presented without disclosing individual operations. The value of the minor and auxiliary specified products are grouped under "All other products," and include canned goods, canned sausage, lard compounds and substitutes, oleomargarine, hoofs, horns, horntips, strips and waste, skins (other than cattle, calf, and sheep), hog and cattle hair, ice, butter, cheese, sauerkraut, and smoked fish.

TABLE 40.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$107,281,016	$57,604,689	$44,247,494
Animals slaughtered	$89,053,662	$48,683,071	$36,028,960
Beeves—			
Number	257,608	236,949	252,897
Cost	$31,077,651	$19,340,197	$14,997,080
Calves—			
Number	164,415	115,446	152,851
Cost	$4,196,823	$1,665,435	$1,764,473
Sheep and lambs—			
Number	284,397	436,881	445,471
Cost	$3,186,744	$2,356,186	$2,332,533
Hogs—			
Number	1,663,910	1,573,974	1,222,880
Cost	$50,592,444	$25,321,253	$16,934,874
All other materials, cost	$18,227,354	$8,921,618	$8,218,534
PRODUCTS.			
Total value	$122,862,240	$65,191,272	$51,106,708
Fresh meat	$59,545,422	$33,996,556	$23,161,259
Beef—			
Pounds	127,315,710	130,759,894	136,838,202
Value	$27,093,661	$16,693,646	$13,072,530
Veal—			
Pounds	13,641,334	9,967,655	13,405,455
Value	$3,588,895	$1,529,528	$1,671,022
Mutton and lamb—			
Pounds	10,846,638	16,142,452	17,316,377
Value	$3,007,865	$2,146,594	$2,149,700
Pork—			
Pounds	81,045,097	91,731,688	50,210,292
Value	$24,441,891	$12,754,612	$6,072,517
Edible offal and all other fresh meat:			
Pounds	12,598,016	12,319,073	3,189,364
Value	$1,413,110	$872,176	$195,490
Cured meat:			
Beef, pickled and other cured—			
Pounds	4,447,058	2,853,323	2,765,672
Value	$1,332,997	$690,103	$448,471
Pork, pickled and other cured—			
Pounds	66,309,393	83,007,657	78,559,883
Value	$22,259,787	$12,174,586	$11,116,844
Sausage:			
Pounds	51,474,642	40,669,573	42,569,651
Value	$12,763,130	$5,719,326	$4,677,079

TABLE 40.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909—Continued.

	1919	1914	1909
PRODUCTS—continued.			
Meat puddings, headcheese, etc.:			
Pounds	14,314,890	18,793,774	(1)
Value	$2,639,148	$2,018,687	(1)
Lard:			
Pounds	40,055,529	47,191,604	36,121,032
Value	$10,693,649	$5,156,619	$4,522,249
Oleo and other oils:			
Gallons	322,092	504,708	679,938
Value	$687,730	$358,258	$536,841
Tallow, oleo stock, and stearin:			
Pounds	10,239,222	7,911,300	8,965,706
Value	$1,630,413	$572,439	$682,423
Grease and soap stock:			
Pounds	6,756,712	2,828,369	(1)
Value	$816,621	$121,463	(1)
Casings:			
Pounds	1,836,855	717,482	(1)
Value	$518,157	$165,051	(1)
Fertilizer and fertilizer materials:			
Tons	10,596	11,298	9,973
Value	$423,441	$350,718	$190,762
Hides and pelts:			
Cattle—			
Number	257,608	236,949	
Pounds	16,028,945	15,573,867	
Value	$4,952,465	$2,544,896	3,097,448
Calf—			19,170,659
Number	157,160	115,005	$2,426,372
Pounds	1,723,471	1,348,226	
Value	$1,106,269	$243,049	
Sheep—			
Number	228,930	436,880	444,480
Value	$610,414	$433,704	$455,039
All other products, value	$2,882,597	$645,817	$2,889,375

[1] Not reported separately.

The growth of the industry, as indicated by the number of animals slaughtered in the last census period, was slight, as there were only 159,564 more beeves, calves, and hogs in 1919 than in 1914, and sheep and lambs decreased 152,484. There was an actual decrease in the meat production as the beeves, calves, and hogs slaughtered in 1919 were lighter weight than in 1914. The average gross weight of beeves was 1,083 in 1914 and 1,007 in 1919; of calves, 152 in 1914 and 145 in 1919; and of hogs 180 in 1914 and 174 in 1919. The production of fresh and cured meat, including sausage, in 1919 was 367,677,888 pounds, and in 1914, 387,451, 315 pounds. a decrease of 19,773,427 pounds, or 5.1 per cent.

Owing to this, Pennsylvania lost four points in value of products in the slaughtering and meat-packing industry in the United States. In 1914 the state ranked seventh and in 1919 eleventh.

Flour-mill and gristmill products (Table 41).—This table shows the kinds, quantities, and values of the different products of these mills in 1919, 1914, and 1909.

Of the total value of products for the industry in the state, wheat flour formed 53 per cent in 1919 and 45.4 per cent in 1914. Bran and middlings and feed and offal combined formed 36.3 per cent and 39.9 per cent, respectively, for the two years. Illustrative of the high prices of commodities in 1919 as compared with 1914, the value of wheat flour produced increased 86 per cent, while the quantity decreased 16.7 per cent during the five-year period.

TABLE 41.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value	$69,446,449	$43,626,356	$44,782,558
Wheat flour:			
Barrels	3,312,713	3,975,031	3,749,842
Value	$36,821,709	$19,795,116	$20,150,978
Rye flour:			
Barrels	163,922	151,877	154,679
Value	$1,539,631	$666,000	$628,999
Buckwheat flour:			
Pounds	27,331,935	36,830,070	50,760,000
Value	$1,576,265	$1,077,717	$1,289,949
Barley meal:			
Pounds	504,775	270,364	196,800
Value	$20,534	$5,762	$2,776
Corn meal and corn flour:			
Barrels	271,435	760,299	767,462
Value	$2,051,136	$2,509,596	$2,369,701
Hominy and grits:			
Pounds	16,587,605	51,981,949	52,105,637
Value	$226,744	$939,878	$796,433
Bran and middlings:			
Tons	139,565	182,626	649,636
Value	$7,239,854	$4,642,020	$18,071,309
Feed and offal:			
Tons	299,597	404,928	
Value	$18,002,515	$12,760,946	
All other cereal products, value	$1,604,509	$715,260	$422
All other products, value	$363,542	$514,061	$1,471,991

Butter, cheese, and condensed milk (Table 42).—This table presents the principal products of the industry for 1919, 1914, and 1909. The total value of all products from 1914 to 1919 increased $28,876,962, or 184.1 per cent, this increase being due principally to the growth of the condensed and evaporated milk branch of the industry, which shows a gain from 1914 to 1919 of 115,242,767 pounds, or 165.3 per cent, in quantity, and $20,735,149, or 467.4 per cent, in value.

TABLE 42.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919	1914	1909
Total value	[1] $44,564,261	$15,687,299	$13,544,065
Butter:			
Pounds	14,589,601	23,985,125	30,484,217
Value	$9,546,875	$7,738,208	$9,613,299
Packed solid—			
Pounds	4,225,249	7,221,417	9,283,220
Value	$2,588,716	$2,099,201	$2,741,957
Prints or rolls—			
Pounds	10,364,352	16,763,708	21,200,997
Value	$6,958,159	$5,639,007	$6,871,342
Cheese:			
Pounds	15,438,708	14,808,573	11,234,037
Value	$3,727,997	$1,518,862	$1,414,890
Full cream—			
Pounds	5,616,896	8,541,623	9,423,849
Value	$1,771,166	$1,277,197	$1,314,704
Part cream—			
Pounds	375,988	3,455,599	490,685
Value	$61,128	$133,723	$42,921
Other kinds—			
Pounds	9,445,824	2,811,351	1,319,503
Value	$1,895,703	$107,942	$57,265
Condensed milk:			
Pounds	99,069,149	62,182,447	26,461,384
Value	$14,546,424	$3,957,069	$1,481,413
Sweetened—			
Pounds	75,037,173	16,412,103	10,777,613
Value	$11,592,482	$1,196,528	$738,399
Unsweetened—			
Pounds	24,031,976	45,770,344	15,683,771
Value	$2,953,942	$2,760,541	$743,014
Evaporated milk:			
Pounds	85,882,535	7,526,470	
Value	$10,625,006	$479,212	
Cream sold:			
Pounds	8,558,286	8,791,734	4,754,954
Value	$2,010,512	$970,939	$531,432
All other butter, cheese, and condensed-milk factory products, value	$4,045,888	$993,886	.....
All other products, value	$61,559	$29,123	$503,031

[1] In addition, in 1919, butter valued at $826,198; cheese valued at $18,876; casein valued at $6,231; and powdered milk valued at $6,232 were manufactured in establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

In 1919 the value of condensed and evaporated milk combined formed 56.5 per cent of the total value of products of the industry. During the five-year period 1914–1919 the value of butter increased 23.4 per cent, while the quantity decreased 39.2 per cent.

Electrical machinery, apparatus, and supplies (Table 43.)—This table shows the value of the various kinds of electrical machinery, apparatus, and supplies manufactured in 1919, so far as they can be shown without disclosing the operations of individual establishments. The state ranked third in total value of products for the industry for the United States.

TABLE 43.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: 1919.

PRODUCT.	Value.
Total [1]	$132,673,556
Motors	28,443,842
Batteries	12,170,126
Transformers and feeder potential regulators	11,418,900
Conduits, interior	9,322,887
Switchboards, panel boards, and cut-out cabinets for light and power	5,197,725
Magnetoignition apparatus	3,509,392
Insulated wire and cables	3,336,031
Carbons	1,973,794
Household and industrial apparatus and devices	1,504,265
Electric measuring instruments	1,372,809
Arc lamps	139,210
All other electrical machinery, apparatus, and supplies	30,733,494
All other products	11,293,629
Amount received for custom work and repairing	12,257,752

[1] In addition, electrical machinery, apparatus, and supplies to the value of $3,204,080 were reported by establishments engaged primarily in other industries.

Engines, steam, gas, and water (Table 44).—This table presents the number, horsepower capacity, and value of the various types of engines manufactured in Pennsylvania in 1919 and 1914.

TABLE 44.—ENGINES, STEAM, GAS, AND WATER: 1919 AND 1914.

PRODUCT.	Census year.	NUMBER BY INDICATED HORSEPOWER CAPACITY.						Indicated horsepower capacity.	Value.
		Under 10.	10 but under 50.	50 but under 100.	100 but under 500.	500 but under 1,000.	1,000 and over.		
Total	1919	6,162	27,518	3,359	1,282	86	1,553	4,426,378	$85,599,683
	1914	7,650	8,089	1,426	788	73	121	1,379,582	19,645,771
The engine industry	1919	3,564	21,594	3,050	546	60	1,437	3,107,412	52,574,026
	1914	5,918	5,530	1,299	626	44	83	958,232	11,391,872
Subsidiary products from other industries	1919	2,598	5,924	309	736	26	116	1,318,966	33,025,657
	1914	1,732	2,559	127	162	29	38	421,350	8,253,899
Steam engines	1919	911	3,882	2,506	633	81	1,532	3,350,255	44,287,051
	1914	1,232	2,298	1,055	696	58	101	932,224	9,632,015
Internal combustion	1919	5,171	22,758	803	611	....	8	807,516	18,146,744
	1914	6,218	5,445	253	[1] 68	....	.....	179,517	3,437,403
Automobile and aviation.[2]	1919	.....	14,922	470	520	....	.....	557,125	9,977,996
	1914	142	[3] 1,776	.....	.....	....	.....	45,234	323,413
Marine	1919	71	[3] 70	.....	.....	....	.....	4,395	278,874
	1914	360	215	13	[4] 4	....	.....	9,294	181,892
Stationary and other.	1919	5,100	7,766	333	91	....	8	245,996	7,889,874
	1914	5,716	3,454	240	[1] 64	....	.....	124,989	2,932,098
Traction, not locomotives	1919	27	595	.....	.....	....	.....	19,342	626,467
	1914	44	282	.....	.....	....	.....	5,671	600,801

[1] Includes the groups "500 but under 1,000" and "1,000 and over."
[2] Can not be shown separately without disclosing individual operations.
[3] Includes the group "50 but under 100."
[4] Includes the group "1,000 and over."

TABLE 44.—ENGINES, STEAM, GAS, AND WATER: 1919 AND 1914—Continued.

	Census year.	Number by indicated horsepower capacity.						Indicated horsepower capacity.	Value.
		Under 10.	10 but under 50.	50 but under 100.	100 but under 500.	500 but under 1,000.	1,000 and over.		
Water wheels, motors, and turbines.	1919	53	283	50	38	5	13	249,265	$2,244,718
	1914	156	64	118	24	15	20	262,170	2,138,912
Other engines and parts.	1919	.....	.....	.....	.....	.....	.....	.....	4,247,010
	1914	.....	.....	.....	.....	.....	.....	.....	1,383,079
Other foundry and machine-shop products.	1919	.....	.....	.....	.....	.....	.....	.....	14,773,276
	1914	.....	.....	.....	.....	.....	.....	.....	1,066,831
All other products...	1919	.....	.....	.....	.....	.....	.....	.....	1,274,417
	1914	.....	.....	.....	.....	.....	.....	.....	1,386,730

The value of products increased $65,953,912, or 335.7 per cent, between the two periods. There was an increase of 3,046,796 horsepower, or 220.8 per cent, in the total capacity of the engines during the five-year period. The total number of engines built increased from 18,147 in 1914 to 39,960 in 1919, an increase of 21,813, or 120.2 per cent.

The general trend throughout the industry was to build the larger units. An illustration of this will be seen in the grouping of "Under 10" horsepower, where the number of engines built shows a decrease of 1,488, or 19.5 per cent, the only decrease shown for the several classes enumerated.

Brass, bronze, and copper products (Table 45).—This table shows the chief products of the industry in Pennsylvania at the censuses of 1919 and 1914. At the census of 1919, castings and machinery fittings was the product of chief value, and formed 61.1 per cent of the total value of products. Comparative figures for 1914 for this item are not available. During the five-year period 1914 to 1919 the value of ingots and bars increased $4,331,533, or 188.6 per cent.

TABLE 45.—BRASS, BRONZE, AND COPPER PRODUCTS: 1919 AND 1914.

	1919	1914
Total value [1]	$33,496,329	$9,779,626
Ingots and bars	6,628,361	2,296,828
Plates and sheets	1,966,239	1,212,244
Rods	358,549	112,115
Tubing:		
Seamless	355,656	117,908
Brazed	122,487	105,605
Castings and machinery fittings	20,453,755	(2)
Lamps	39,223	43,631
Electrical supplies	.....	33,073
Other hardware and trimmings	580,396	90,318
All other brass, bronze, and copper products	1,230,943	5,057,276
All other products	1,760,711	710,628

[1] In addition, brass, bronze, and copper products to the value of $11,045,860 were reported in 1919, and $5,620,397 in 1914, by establishments engaged primarily in other industries.
[2] Not reported separately.

Paper and wood pulp (Table 46).—This table shows the quantity and cost of the principal materials used in the industry, the quantity and value of the chief products, and detailed information regarding equipment for 1919, 1914, and 1909.

Wood used in the manufacture of pulp was distributed as follows: Spruce, 121,653 cords; pine, 90,733 cords; poplar, 45,633 cords; and other woods, including beech, birch, maple, etc., gum, balsam, and hemlock, 110,851 cords; and slabs and other mill waste, 54,952 cords.

TABLE 46.—PAPER AND WOOD PULP: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$35,643,118	$16,046,557	$11,398,311
Pulp wood:			
Cords	423,822	375,730	(1)
Cost	$6,873,612	$3,234,665	$2,111,025
Wood pulp, purchased:			
Tons	61,485	70,142	41,062
Cost	$5,623,303	$2,980,909	$1,773,494
Ground—			
Tons	3,946	9,960	6,942
Cost	$165,291	$242,579	$163,187
Soda fiber—			
Tons	7,714	9,971	3,408
Cost	$601,935	$412,240	$151,337
Sulphite fiber—			
Tons	40,527	40,009	30,712
Cost	$4,061,665	$1,931,312	$1,458,970
Sulphate fiber—			
Tons	8,140	10,202	(1)
Cost	$753,537	$394,778	(1)
Screenings, mechanical and chemical—			
Tons	1,158	.....	.....
Cost	$40,875	.....	.....
Rags, including cotton and flax waste and sweepings:			
Tons	55,238	63,975	64,054
Cost	$3,225,995	$1,312,991	$1,226,978
Paper stock, including high-grade shavings and old and waste paper:			
Tons	163,932	125,171	106,150
Cost	$2,986,835	$1,329,985	$1,208,765
Manila stock, including jute bagging, rope, waste, threads, etc.:			
Tons	8,747	7,741	9,544
Cost	$731,818	$392,525	$327,212
China clay, domestic and foreign:			
Tons	29,106	(1)	(1)
Cost	$448,536	(1)	(1)
Bleaching powder:			
Tons	21,774	(1)	(1)
Cost	$718,126	(1)	(1)
Fuel and rent of power, cost	$4,595,489	$1,774,270	$1,544,116
All other materials, cost	$10,439,404	$5,021,212	$3,206,721
PRODUCTS.			
Total value	$64,715,767	$25,439,346	$19,872,717
Book paper (plain, coated, cover, and plate):			
Tons	108,543	124,665	80,439
Value	$17,393,388	$9,703,171	$6,442,043
Fine paper:			
Tons	51,249	43,508	(2)
Value	$10,771,647	$4,102,362	(2)
Wrapping paper:			
Tons	75,351	73,371	63,995
Value	$8,611,889	$4,243,294	$3,954,578
Heavy (mill wrappers, etc.)—			
Tons	31,167	18,369	36,619
Value	$3,157,708	$827,059	$1,777,450
Kraft—			
Tons	23,351	(3)	(3)
Value	$3,121,783	(3)	(3)
All other—			
Tons	20,833	55,002	27,376
Value	$2,332,398	$3,416,235	$2,177,128
Tissue paper:			
Tons	17,219	9,911	(2)
Value	$5,159,805	$726,009	(2)
Boards:			
Tons	109,634	66,376	53,963
Value	$5,644,155	$1,996,006	$1,406,309
Building, roofing, asbestos, and sheathing paper:			
Tons	63,716	55,273	60,168
Value	$5,202,680	$2,078,129	$1,937,000
All other paper:			
Tons	15,272	8,046	55,632
Value	$3,289,973	$414,197	$4,695,994
Wood pulp made for sale or for consumption in mills other than those in which produced:			
Tons	30,439	28,652	16,589
Value	$2,566,422	$1,133,039	$683,610
All other products, value	$6,075,808	$1,043,139	$753,183
Wood pulp produced (including that used in mills where manufactured), total tons	215,686	178,127	136,850
Soda fiber, tons	125,489	99,845	80,776
Sulphite fiber, tons	86,013	73,401	(4)
All other (ground and screenings), tons	4,184	4,881	56,074

[1] Not reported separately.
[2] Included in "All other paper."
[3] Included in "All other wrapping paper."
[4] Included in "All other wood pulp."

TABLE 46.—PAPER AND WOOD PULP: 1919, 1914, AND 1909—Con.

	1919	1914	1909
EQUIPMENT.			
Paper machines:			
Total number	142	128	126
Capacity, yearly, tons	600,083	501,255	419,207
Fourdrinier—			
Number	80	76	68
Capacity, per 24 hours, tons	1,044	989	736
Cylinder—			
Number	62	52	58
Capacity, per 24 hours, tons	952	670	706
Pulp equipment:			
Grinders, number	4	4	5
Digestors, number	106	103	105
Soda fiber	85	80	83
Sulphite fiber	21	23	22
Capacity, yearly, tons of pulp	226,785	205,972	169,961
Ground, tons	4,820	4,150	16,908
Soda, tons	127,487	117,144	87,903
Sulphite, tons	94,478	84,678	65,150

The item "All other materials" includes chemicals, sizing, sulphur, dyestuffs, and mill supplies.

Book paper (plain, coated, cover, and plate) was the leading product of the industry in the state in 1919, as well as at the two preceding censuses, representing 26.9 per cent of the total value of products in 1919, 38.1 per cent in 1914, and 32.4 per cent in 1909. Fine paper was the next in importance, representing 16.6 per cent of the total value of products in 1919.

To avoid disclosing operations of individual establishments, poster paper, hanging paper, newspaper, and other grades are included in the item "All other paper."

Laundries (Table 47).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 47, however, summarizes the statistics for such laundries in Pennsylvania for 1919 and 1914.

TABLE 47.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1914–1919.
	1919	1914	
Number of establishments	351	396	−11.4
Persons engaged	9,956	11,831	−15.8
Proprietors and firm members	369	447	−17.4
Salaried employees	1,003	974	3.0
Wage earners (average number)	8,584	10,410	−17.5
Primary horsepower	13,760	12,602	9.2
Capital	$10,942,553	$8,160,248	34.1
Salaries and wages	7,180,182	5,120,647	40.2
Salaries	1,459,390	884,289	65.0
Wages	5,720,792	4,236,358	35.0
Paid for contract work	60,685	35,041	73.2
Rent and taxes	373,946	209,277	78.7
Cost of materials	3,078,721	1,848,109	66.6
Amount received for work done	14,351,068	10,225,004	40.4

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

Dyeing and cleaning (Table 48).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 48.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments	142
Persons engaged	1,782
Proprietors and firm members	165
Salaried employees	297
Wage earners (average number)	1,320
Primary horsepower	1,697
Capital	$2,711,626
Salaries and wages	1,662,341
Salaries	401,361
Wages	1,260,980
Paid for contract work	17,270
Rent and taxes	164,228
Cost of materials	1,052,188
Amount received for work done	3,883,875

Custom gristmills and custom sawmills (Tables 49 and 50).—Statistics for custom mills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914.

Tables 49 and 50 summarize the statistics for custom mills for 1919 and 1909. The value of products for custom sawmills represents the amount charged for the work performed and that for custom gristmills the selling value of the grain milled.

TABLE 49.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1909–1919.
	1919	1909	
Number of establishments	393	539	−27.1
Persons engaged	588	773	−23.9
Proprietors and firm members	458	611	−25.0
Salaried employees	7	.....	.....
Wage earners (average number)	123	162	−24.1
Primary horsepower	10,634	13,893	−23.5
Capital	$2,191,034	$1,570,025	39.6
Salaries and wages	104,740	47,804	119.1
Salaries	2,640	.....	.....
Wages	102,100	47,804	113.6
Rent and taxes	45,352	22,430	102.2
Cost of materials [2]	3,774,138	2,578,513	46.4
Value of products [2]	4,615,270	3,070,504	50.3

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

TABLE 50.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1909–1919.
	1919	1909	
Number of establishments	277	267	3.7
Persons engaged	485	675	−28.1
Proprietors and firm members	339	342	−0.9
Salaried employees	.....	1	.....
Wage earners (average number)	146	332	−56.0
Primary horsepower	6,096	5,541	10.0
Capital	$407,209	$388,261	4.9
Salaries and wages	101,437	103,648	−2.1
Salaries	.....	108	.....
Wages	101,437	103,540	−2.0
Rent and taxes	3,538	1,367	158.8
Cost of materials	40,668	5,025	709.3
Amount received for work done	295,127	284,056	3.9

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

GENERAL TABLES.

Table 51 gives, for 1919, 1914, and 1909, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for selected industries in the state and in 10 of the cities having 50,000 or more inhabitants; and similar data for all industries combined for Bethlehem, Chester, and Lancaster, and the cities having from 10,000 to 50,000 inhabitants, for which comparative figures are available, and can be presented without disclosing individual operations.

Table 52 presents, for 1919, for the state as a whole and for cities having 50,000 or more inhabitants, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and the statistics for all industries combined for each of the cities in the state having from 10,000 to 50,000 inhabitants, for which figures can be shown without disclosing individual operations.

TABLE 51.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands of dollars.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1919	27,973	1,135,837	4,454,386	1,406,066	4,210,409	7,315,703
	1914	27,521	924,478	3,549,858	527,953	1,688,921	2,832,349
	1909	27,563	877,543	2,921,547	455,627	1,582,560	2,626,742
Agricultural implements	1919	27	1,371	3,006	1,541	2,696	5,536
	1914	38	2,018	4,472	1,121	1,907	4,844
	1909	36	2,401	3,842	1,223	2,082	4,805
Artificial flowers and feathers and plumes.	1919	20	512	57	285	630	1,633
	1914	28	802	68	301	689	1,475
	1909	30	805	75	262	675	1,319
Automobiles, including bodies and parts.	1919	202	14,708	23,363	18,849	76,129	113,820
	1914	80	3,083	5,130	2,137	5,558	10,084
	1909	44	3,199	2,746	1,808	4,051	6,532
Babbitt metal and solder.	1919	19	233	486	313	1,738	2,446
	1914	20	157	180	101	1,159	1,510
	1909	17	181	271	107	1,717	2,117
Belting, leather	1919	17	414	597	475	3,578	5,574
	1914	15	189	310	129	1,295	1,775
	1909	17	156	363	105	1,011	1,379
Blacking and cleansing and polishing preparations.	1919	65	228	526	155	1,360	2,438
	1914	55	185	505	81	625	1,112
	1909	44	158	388	68	387	755
Boots and shoes, including cut stock and findings.	1919	155	13,842	7,322	11,377	50,510	77,974
	1914	146	13,414	6,352	6,213	17,427	28,989
	1909	140	10,822	4,337	4,266	12,054	20,219
Boxes, cigar	1919	52	1,496	1,560	865	1,891	3,422
	1914	63	1,603	1,840	562	1,208	2,124
	1909	77	1,801	1,818	580	1,252	2,328
Boxes, paper and other, not elsewhere specified.	1919	150	5,209	3,188	3,300	6,609	14,003
	1914	133	5,140	2,427	1,826	2,977	6,546
	1909	118	4,604	2,121	1,472	2,290	5,184
Brass, bronze, and copper products.	1919	125	4,053	10,577	5,161	21,427	33,496
	1914	107	1,940	4,578	1,260	7,123	9,780
	1909	104	2,080	4,996	1,234	5,605	8,455
Bread and other bakery products.	1919	2,651	16,410	20,011	17,352	83,474	132,880
	1914	2,987	15,157	14,597	8,514	31,685	54,140
	1909	3,185	12,221	10,806	6,528	27,330	45,850
Brick, tile, pottery, and other clay products.	1919	325	17,765	71,409	17,916	17,864	48,407
	1914	377	18,976	70,949	9,735	8,727	24,467
	1909	465	17,061	61,389	8,238	6,562	22,297
Brooms	1919	110	547	721	531	1,535	2,639
	1914	80	514	456	264	758	1,259
	1909	84	444	451	214	737	1,261
Brushes	1919	40	372	267	327	1,059	1,964
	1914	46	385	273	204	597	1,138
	1909	55	416	360	196	518	1,043
Butter, cheese, and condensed milk.	1919	273	1,900	9,729	1,883	36,349	44,564
	1914	387	1,309	7,808	745	13,017	15,687
	1909	536	1,177	7,613	556	11,674	13,544
Buttons	1919	24	807	789	1,613	962	2,319
	1914	21	1,154	1,318	477	867	1,742
	1909	24	1,123	858	404	746	1,565
Canning and preserving [1]	1919	94	3,010	6,555	2,261	17,347	29,489
	1914	84	3,096	4,476	1,264	7,539	14,950
	1909	83	2,753	3,474	947	4,665	9,484
Carpets and rugs, other than rag.	1919	48	7,626	12,446	7,977	27,532	47,480
	1914	63	9,569	13,586	4,798	14,466	23,100
	1909	93	11,510	13,073	5,169	14,648	24,879
Carriages and wagons and materials.	1919	356	1,564	3,281	1,727	2,342	5,534
	1914	687	6,370	10,906	3,780	5,442	12,262
	1909	655	7,498	11,544	3,861	5,707	12,748
Cars and general shop construction and repairs by electric-railroad companies.	1919	80	4,122	5,199	4,673	3,116	8,306
	1914	92	2,972	4,782	2,070	1,143	3,421
	1909	65	2,442	4,370	1,477	1,094	2,747
Cars and general shop construction and repairs by steam-railroad companies.	1919	195	78,749	90,678	115,028	103,164	231,534
	1914	163	51,729	77,885	38,863	49,157	93,608
	1909	132	46,645	56,774	30,157	41,401	76,035
Cars, steam-railroad, not including operations of railroad companies.	1919	15	11,675	43,044	16,738	88,867	146,879
	1914	12	9,955	26,462	6,635	29,377	39,831
	1909	13	7,766	31,732	4,819	19,002	27,510
Cement	1919	22	7,443	98,058	9,594	25,374	54,540
	1914	26	7,010	132,894	4,428	15,827	29,081
	1909	27	8,080	102,904	3,875	10,108	18,855
Chemicals	1919	56	7,134	30,334	9,854	26,781	73,333
	1914	39	4,748	16,570	2,928	12,615	22,388
	1909	37	3,185	9,771	1,892	10,200	15,978
Chocolate and cocoa products.	1919	10	3,231	11,025	3,531	32,262	48,660
	1914	7	1,756	7,607	739	7,546	12,342
	1909	6	863	2,885	324	2,955	4,811
Clothing, men's, including shirts.	1919	818	21,787	6,689	16,178	52,807	97,944
	1914	699	21,126	6,578	8,390	20,365	40,370
	1909	696	23,623	5,288	8,992	19,863	39,682
Clothing, women's	1919	615	14,364	3,223	14,326	46,217	77,474
	1914	483	17,217	3,108	8,091	20,342	37,059
	1909	401	15,701	2,514	7,140	18,156	32,837
Coffee and spice, roasting and grinding.	1919	85	522	1,783	435	11,944	14,676
	1914	77	586	2,117	302	5,009	6,967
	1909	84	407	1,565	207	4,361	5,689
Coffins, burial cases, and undertakers' goods.	1919	41	1,824	3,120	1,824	4,664	9,312
	1914	32	1,382	2,066	724	2,005	3,672
	1909	36	1,103	1,447	514	1,575	2,757
Coke, not including gas-house coke.	1919	123	11,536	72,752	15,554	80,354	119,731
	1914	108	9,871	36,213	6,635	29,820	42,996
	1909	146	15,331	26,091	8,436	33,762	51,816
Confectionery and ice cream.	1919	839	11,010	26,742	8,954	42,530	71,120
	1914	652	8,038	14,271	3,306	14,628	24,088
Cooperage and wooden goods, not elsewhere specified.	1919	115	1,419	4,088	1,481	7,149	10,632
	1914	125	1,643	4,213	863	3,434	5,160
	1909	133	1,630	3,681	756	2,989	4,630
Copper, tin, and sheet-iron products.[2]	1919	516	6,363	7,849	7,250	16,149	30,792
	1914	431	6,818	5,989	3,826	9,151	16,686
	1909	339	6,815	8,245	3,444	8,851	17,197
Cordage and twine and jute goods.	1919	27	2,763	7,558	2,464	8,261	14,362
	1914	28	2,678	7,128	1,071	5,057	6,776
	1909	18	2,119	4,630	685	3,001	4,805
Cork, cutting	1919	11	1,570	4,504	1,551	3,599	6,371
	1914	10	1,787	2,841	824	2,094	3,722
	1909	10	1,727	2,045	535	1,669	2,965

[1] Includes "canning and preserving, fruits and vegetables," and "pickles, preserves, and sauces" in all years; and "canning and preserving, fish," in 1919 and 1909.
[2] Includes "stamped and enameled ware, not elsewhere specified" and "tinware, not elsewhere specified."

TABLE 51.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—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 of dollars.		
Corsets	1919	13	698	197	360	894	2,072
	1914	10	803	159	275	406	1,974
	1909	6	433	85	136	277	724
Cotton goods, including cotton small wares.[1]	1919	168	15,379	28,743	14,672	50,926	90,582
	1914	155	14,640	23,411	6,676	17,564	32,400
	1909	175	16,293	24,589	7,034	18,757	33,917
Cutlery and tools, not elsewhere specified.	1919	131	5,086	12,453	5,504	6,693	18,065
	1914	101	3,504	9,194	1,888	2,904	6,486
	1909	129	4,250	11,311	2,280	3,431	8,022
Dairymen's and poultrymen's supplies.	1919	17	689	1,287	768	1,144	2,381
	1914	15	581	964	358	386	1,329
	1909	13	650	465	345	440	1,712
Dental goods	1919	56	2,853	1,000	2,124	3,276	9,300
	1914	45	1,645	443	695	2,177	4,362
	1909	23	1,072	427	464	1,325	2,745
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	163	7,381	18,140	8,121	19,715	42,475
	1914	150	6,389	14,685	3,469	8,456	15,452
	1909	135	6,086	13,560	2,988	5,331	12,059
Dyestuffs and extracts—natural.	1919	12	426	4,145	446	2,863	3,800
	1914	9	265	3,113	182	1,158	1,569
	1909	14	369	3,516	187	1,373	2,345
Electrical machinery, apparatus, and supplies.	1919	129	24,228	58,366	30,031	51,358	132,674
	1914	105	14,866	36,537	8,737	17,240	44,396
	1909	84	11,025	33,829	6,237	13,535	31,351
Explosives	1919	26	1,217	6,897	1,584	6,103	11,446
	1914	33	1,037	5,831	716	4,107	6,003
	1909	27	1,033	4,594	630	4,088	6,388
Fancy articles, not elsewhere specified.[2]	1919	41	777	405	472	1,215	2,541
	1914	41	770	355	319	652	1,399
	1909	52	828	498	322	592	1,385
Fertilizers	1919	31	1,021	5,077	1,150	5,845	8,731
	1914	47	1,110	4,647	608	4,170	6,178
	1909	48	1,224	5,174	575	4,613	6,543
Files	1919	6	1,356	2,353	1,350	821	3,874
	1914	7	1,315	1,694	583	401	1,495
	1909	7	1,217	1,313	528	427	1,540
Flour-mill and gristmill products.	1919	1,138	2,198	55,928	2,259	59,985	69,446
	1914	1,265	2,595	61,790	1,424	37,097	43,626
	1909	1,450	2,432	69,212	1,188	38,170	44,783
Food preparations, not elsewhere specified.	1919	145	1,482	5,831	1,266	14,955	19,434
	1914	131	1,512	3,490	789	4,810	7,291
	1909	128	1,185	2,685	541	3,005	4,864
Foundry and machine-shop products.[3]	1919	3,117	120,447	319,702	156,184	275,773	624,415
	1914	1,887	91,820	199,364	58,771	108,989	233,616
	1909	1,695	86,821	162,414	51,366	101,011	210,746
Fur goods	1919	95	414	112	595	2,532	4,303
	1914	63	212	45	149	523	1,043
	1909	58	227	14	160	544	1,217
Furnishing goods, men's[4]	1919	79	2,640	818	1,618	5,566	9,661
	1914	80	2,138	731	686	3,149	4,975
	1909	72	1,487	254	556	2,874	4,565
Furniture and refrigerators.	1919	346	11,343	24,473	11,572	20,751	44,146
	1914	324	12,088	21,272	6,640	11,770	25,155
	1909	304	9,924	17,211	4,829	9,039	18,952
Gas and electric fixtures and lamps and reflectors.	1919	63	991	1,444	989	1,649	4,010
	1914	61	1,327	1,148	787	1,333	2,864
	1909	75	1,482	1,249	765	1,239	2,962
Gas, illuminating and heating.	1919	86	3,324	16,671	4,241	17,330	31,508
	1914	99	2,796	12,552	1,420	6,440	16,745
	1909	99	3,119	9,374	1,501	4,099	15,840
Glass	1919	102	21,602	70,280	26,472	27,658	80,480
	1914	103	23,606	61,399	15,214	15,542	39,798
	1909	112	23,710	55,182	13,436	12,634	32,818
Glass, cutting, staining, and ornamenting.	1919	94	1,384	1,507	1,030	2,503	4,905
	1914	104	2,002	1,368	949	1,687	3,444
	1909	106	2,121	1,425	1,019	1,752	3,729
Glue, not elsewhere specified.	1919	7	570	2,378	748	3,103	4,778
	1914	8	519	1,628	290	1,418	2,029
	1909	6	506	1,951	221	1,489	2,048
Grease and tallow, not including lubricating greases.	1919	61	1,185	3,338	1,281	7,599	10,247
	1914	50	590	1,795	358	2,332	3,130
	1909	51	502	1,542	265	2,228	3,332
Hats and caps, other than felt, straw, and wool.	1919	73	770	227	913	2,027	4,210
	1914	66	756	113	446	861	1,759
	1909	53	744	163	273	543	1,097
Hats, fur-felt	1919	20	5,414	6,367	4,641	5,918	17,995
	1914	27	6,714	6,241	3,934	3,889	11,041
	1909	38	7,220	5,335	3,725	5,013	13,023
Hats, straw	1919	8	223	73	205	357	845
	1914	9	343	74	162	649	1,011
	1909	9	460	85	214	403	872
House-furnishing goods, not elsewhere specified.	1919	39	711	677	538	2,115	4,156
	1914	32	569	639	207	1,294	1,882
	1909	24	560	612	160	1,047	1,569
Ice, manufactured	1919	226	2,733	51,516	3,202	4,138	12,686
	1914	189	2,124	43,937	1,289	1,453	5,194
	1909	170	1,606	35,890	1,023	1,225	4,823
Ink, printing	1919	10	230	856	289	1,390	2,290
	1914	9	151	341	106	823	1,052
	1909	8	165	483	105	623	1,050
Instruments, professional and scientific.	1919	59	1,701	1,211	1,823	2,273	6,436
	1914	57	796	808	461	391	1,654
	1909	39	635	751	380	262	1,039
Iron and steel, blast furnaces.	1919	58	14,619	564,455	27,318	244,960	311,080
	1914	52	11,518	477,588	9,337	115,501	135,806
	1909	66	14,521	476,680	9,457	142,074	168,578
Iron and steel, steel works and rolling mills.	1919	198	171,715	1,521,731	298,725	777,473	1,296,412
	1914	178	131,955	1,270,642	96,926	285,382	448,106
	1909	189	126,911	896,440	85,113	329,013	500,344
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1919	31	4,546	15,571	5,051	12,581	23,102
	1914	25	2,547	8,796	1,241	4,145	6,562
	1909	22	2,161	5,295	1,030	3,083	5,118
Iron and steel forgings, not made in steel works or rolling mills.	1919	48	6,197	21,151	8,168	16,949	36,709
	1914	43	2,205	9,008	1,356	2,713	5,167
	1909	38	2,312	10,145	1,372	3,147	5,855
Iron and steel, wrought pipe.	1919	10	3,467	8,089	4,297	17,611	25,479
	1914	12	3,990	10,067	2,544	13,502	17,777
	1909	11	3,873	12,472	2,177	14,022	18,291
Jewelry	1919	203	613	479	799	2,284	4,553
	1914	117	549	319	382	820	1,693
	1909	75	456	160	292	597	1,275
Knit goods	1919	606	44,156	26,359	30,692	116,697	188,261
	1914	498	41,130	23,861	15,382	37,756	64,153
	1909	464	38,206	21,797	11,750	27,218	49,658
Labels and tags	1919	13	489	299	385	806	2,407
	1914	16	445	206	219	534	1,018
	1909	16	381	354	193	362	818
Lead, bar, pipe, and sheet.	1919	4	84	399	105	1,305	1,634
	1914	4	58	537	39	882	1,006
	1909	4	46	326	31	706	845
Leather goods[5]	1919	243	2,254	1,105	2,106	5,859	11,847
	1914	280	2,738	1,264	1,356	3,489	6,758
	1909	156	2,524	1,107	1,137	3,153	5,824
Leather, tanned, curried, and finished.	1919	92	13,749	42,961	17,252	146,405	211,389
	1914	120	11,988	39,964	6,492	68,309	85,253
	1909	163	14,008	37,440	6,801	59,113	77,926

[1] Includes "cotton lace."
[2] Includes "combs and hairpins, not made from metal or rubber," and "ivory, shell, and bone work, not including combs and hairpins."
[3] Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware"; "iron and steel, cast-iron pipe"; "iron and steel, tempering and welding"; "machine tools"; "plumbers' supplies, not elsewhere specified"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; "steel barrels, drums, and tanks"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts," in all years; "hardware, "saddlery," in 1914 and 1909, and "bells" in 1909.
[4] Includes "gloves and mittens, cloth, not including gloves made in textile mills," and "suspenders, garters, and elastic woven goods," in all years; and "collars and cuffs, men's," in 1914 and 1909.
[5] Includes "pocketbooks"; "saddlery and harness"; and "trunks and valises."

TABLE 51.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—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 of dollars.)	Cost of materials. (Expressed in thousands of dollars.)	Value of products. (Expressed in thousands of dollars.)
Liquors, malt	1919	166	5,231	52,744	6,691	14,407	59,332
	1914	215	7,512	58,147	6,321	15,703	50,363
	1909	237	7,234	54,360	5,453	12,610	47,713
Lumber and timber products.[1]	1919	1,948	16,425	86,645	17,085	31,837	68,395
	1914	2,348	21,297	98,878	11,614	24,258	49,049
	1909	2,607	26,873	113,412	13,558	27,314	57,454
Marble and stone work	1919	489	3,697	17,921	3,722	4,312	11,132
	1914	602	7,166	27,179	4,137	3,821	10,631
	1909	596	9,264	29,037	4,860	3,720	11,570
Mattresses and spring beds, not elsewhere specified.	1919	73	1,083	1,595	1,077	3,923	6,343
	1914	74	986	1,746	542	1,740	3,063
	1909	83	745	1,102	361	1,333	2,223
Millinery and lace goods, not elsewhere specified.	1919	117	3,200	1,018	2,267	5,638	11,303
	1914	114	3,585	934	1,452	2,880	6,273
	1909	105	4,235	841	1,327	3,754	6,770
Mineral and soda waters	1919	521	1,115	2,699	1,151	4,060	7,826
	1914	482	1,151	1,001	711	2,230	5,079
	1909	485	968	1,851	512	1,411	4,026
Minerals and earths, ground or otherwise treated.	1919	105	4,914	32,310	6,530	4,042	13,467
	1914	56	822	8,930	427	1,134	2,281
	1909	16	612	2,310	208	287	759
Musical instruments, pianos and organs and materials.	1919	23	972	1,970	973	2,157	3,798
	1914	28	922	1,233	555	1,058	2,084
	1909	30	1,182	1,260	505	1,248	2,382
Oil, not elsewhere specified.	1919	37	632	2,629	864	17,251	25,479
	1914	38	477	2,213	333	7,538	12,273
	1909	37	386	1,944	242	6,361	10,365
Optical goods	1919	58	1,021	730	868	1,810	4,172
	1914	37	854	370	377	801	2,023
	1909	24	579	292	219	461	1,063
Paint and varnish	1919	104	3,279	13,866	4,119	25,500	38,845
	1914	114	2,643	11,691	1,591	10,400	16,005
	1909	114	1,992	9,862	1,102	9,201	14,020
Paper and wood pulp	1919	56	9,843	83,510	12,459	35,643	64,716
	1914	53	7,447	75,305	3,483	16,047	25,439
	1909	62	6,056	66,910	3,303	11,398	19,873
Patent medicines and compounds and druggists' preparations.[2]	1919	332	3,399	3,603	2,987	11,251	26,374
	1914	324	2,833	2,495	1,233	6,474	14,721
	1909	367	2,761	2,619	1,145	5,310	12,656
Peanuts, grading, roasting, cleaning, and shelling.	1919	12	243	341	134	2,156	2,636
	1914	7	234	176	82	870	1,103
	1909	5	80	83	24	580	693
Petroleum, refining	1919	53	8,235	22,606	11,960	134,981	178,826
	1914	48	4,902	37,522	3,219	44,384	52,875
	1909	41	2,900	35,212	1,861	47,440	53,088
Photo-engraving	1919	29	591	347	1,023	618	2,955
	1914	29	630	314	668	282	1,509
	1909	31	489	197	446	231	1,132
Printing and publishing[3]	1919	2,457	26,456	35,419	29,782	61,022	165,344
	1914	2,538	26,909	35,659	17,701	27,478	84,977
	1909	2,461	24,696	25,839	14,335	22,753	70,584
Roofing materials	1919	23	1,170	4,815	1,330	6,330	10,837
	1914	17	566	3,205	339	2,028	4,602
	1909	17	610	1,420	300	2,203	3,342
Rubber tires, tubes, and rubber goods, not elsewhere specified.	1919	31	4,880	17,414	5,864	19,773	35,792
	1914	19	3,172	8,970	1,744	7,299	12,177
	1909	13	1,205	5,300	566	3,242	4,686
Shipbuilding, including boat building.	1919	28	56,211	82,016	88,039	118,717	237,325
	1914	33	4,773	9,694	3,411	4,797	9,540
	1909	31	3,558	7,771	2,120	2,710	6,178
Signs and advertising novelties.	1919	114	353	223	397	650	1,621
	1914	52	780	680	450	915	2,083
	1909	26	487	608	201	782	1,525
Silk goods, including throwsters.	1919	373	53,052	73,826	38,129	126,287	231,711
	1914	284	44,755	48,915	16,312	48,795	86,939
	1909	226	36,469	41,962	11,443	35,166	62,061
Slaughtering and meat packing.[4]	1919	204	4,616	16,060	5,537	110,378	126,550
	1914	166	3,687	12,229	2,528	58,273	65,981
	1909	180	3,050	12,139	1,987	44,845	51,851
Smelting and refining, not from the ore.	1919	11	188	378	255	5,051	5,912
	1914	15	177	503	121	3,318	3,612
	1909	24	206	566	143	2,978	3,577
Soap	1919	53	1,214	2,647	1,634	10,353	16,063
	1914	50	1,159	2,554	657	6,601	10,098
	1909	59	1,197	2,598	556	5,947	9,124
Springs, steel, car and carriage, not made in steel works or rolling mills.	1919	18	1,618	4,725	2,162	6,478	11,639
	1914	17	749	2,161	451	1,419	2,458
	1909	13	1,080	2,514	591	2,192	3,715
Steam packing	1919	33	1,775	11,496	1,955	5,557	11,358
	1914	34	1,637	6,789	905	2,705	5,003
	1909	31	1,677	5,817	814	2,981	4,987
Stoves and furnaces, including gas and oil stoves.	1919	85	3,777	5,598	4,506	5,513	15,015
	1914	77	4,111	4,772	2,635	2,948	8,040
	1909	74	4,198	4,675	2,465	2,472	7,409
Tin plate and terneplate	1919	11	2,005	16,459	3,652	44,754	58,816
	1914	13	2,368	4,259	1,785	31,934	36,796
	1909	17	2,346	1,565	1,339	22,898	25,234
Tobacco manufactures	1919	1,659	30,785	4,720	22,537	46,497	103,794
	1914	2,194	37,370	3,362	13,440	24,154	54,213
	1909	2,432	33,188	2,638	11,620	20,713	50,161
Toys and games	1919	53	1,560	1,387	1,108	2,043	4,854
	1914	36	1,170	1,521	498	624	1,769
	1909	23	714	743	266	284	847
Umbrellas and canes	1919	21	1,376	1,784	1,210	4,369	7,247
	1914	45	2,141	1,747	915	2,963	4,470
	1909	45	2,315	1,570	906	3,148	5,060
Upholstering materials, not elsewhere specified.	1919	12	402	1,350	377	1,683	2,749
	1914	16	398	1,078	208	1,001	1,458
	1909	23	437	1,186	198	1,344	2,037
Wall paper, not made in paper mills.	1919	12	999	1,783	884	3,583	5,589
	1914	12	1,287	1,813	683	2,585	4,153
	1909	11	1,056	1,371	520	2,309	3,695
Wall plaster and composition flooring.	1919	14	93	208	102	382	611
	1914	21	226	1,333	125	656	1,048
	1909	23	232	1,413	111	402	725
Wirework, including wire rope and cable, not elsewhere specified.	1919	51	2,018	4,643	1,858	6,496	11,477
	1914	59	1,179	2,847	539	2,056	3,409
	1909	64	968	2,435	435	1,837	3,070
Wood distillation	1919	44	1,211	2,569	1,273	3,254	5,542
	1914	46	1,185	2,514	682	2,218	3,417
	1909	50	933	1,749	522	1,684	2,960
Wood, turned and carved.	1919	63	731	2,863	620	787	1,896
	1914	75	1,085	3,016	521	674	1,585
	1909	94	1,343	3,624	532	713	1,791
Woolen, worsted, and felt goods, and wool hats.	1919	211	23,310	56,601	24,319	112,876	170,119
	1914	203	24,461	44,646	10,968	44,482	64,409
	1909	217	27,409	50,405	10,947	54,634	77,447
All other	1919	1,881	72,216	283,261	89,937	348,415	560,104
	1914	1,902	48,599	153,582	26,521	120,737	194,888
	1909	2,145	48,581	98,471	24,287	105,079	195,639

[1] Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "window and door screens and weather strips."
[2] Includes "perfumery and cosmetics."
[3] Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."
[4] Includes "sausage, not made in slaughtering and meat-packing establishments."

TABLE 51.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands of dollars.)	Cost of materials. (Expressed in thousands of dollars.)	Value of products. (Expressed in thousands of dollars.)
ALLENTOWN All industries.	1919	336	14,812	28,333	14,583	51,120	90,834
	1914	297	13,685	22,219	6,501	20,705	33,918
	1909	274	11,481	19,101	5,061	15,581	26,263
Boots and shoes	1919	9	840	376	600	2,247	3,663
	1914	12	820	504	335	1,007	1,578
	1909	9	724	365	297	762	1,302
Bread and other bakery products.	1919	39	250	213	257	1,109	1,617
	1914	33	180	139	103	366	559
	1909	32	146	82	77	276	475
Brick, building	1919	3	62	223	51	43	187
	1914	4	131	265	60	56	179
	1909	6	141	335	56	37	175
Confectionery and ice cream.	1919	12	82	164	53	345	556
	1914	11	36	111	19	153	204
Copper, tin, and sheet-iron work.	1919	8	43	20	52	66	142
	1914	3	53	18	46	61	122
	1909	3	46	23	25	40	83
Foundry and machine-shop products.[1]	1919	54	1,157	4,441	1,219	1,982	4,693
	1914	25	1,012	1,486	594	670	1,723
	1909	23	851	1,286	400	769	1,632
Furniture	1919	7	438	883	389	542	1,390
	1914	8	644	838	302	300	782
	1909	7	529	646	252	205	733
Knit goods	1919	8	275	275	165	526	909
	1914	6	275	206	87	268	421
	1909	8	572	423	147	457	717
Liquors, malt	1919	3	97	1,290	115	496	1,544
	1914	4	135	767	101	402	830
	1909	4	103	501	63	193	657
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	4	88	728	95	164	341
	1914	4	116	549	75	158	284
	1909	10	137	629	80	157	319
Marble and stone work	1919	8	42	195	46	121	209
	1914	4	31	39	21	40	76
	1909	4	17	18	10	13	32
Printing and publishing[2]	1919	34	290	287	249	493	998
	1914	35	306	389	146	157	491
	1909	28	190	147	93	101	339
Silk goods	1919	27	4,124	3,849	3,643	10,802	22,776
	1914	22	4,416	3,304	1,970	6,118	10,210
	1909	15	3,778	2,808	1,484	4,299	7,456
Tobacco, cigars	1919	24	1,237	148	1,070	1,628	4,023
	1914	33	1,890	307	621	1,174	2,695
	1909	47	1,104	152	439	682	1,446
All other industries	1919	96	5,787	15,241	6,579	30,556	47,786
	1914	93	3,640	13,297	2,021	9,775	13,764
	1909	78	3,143	11,686	1,638	7,590	10,897
ALTOONA All industries.	1919	64	12,800	10,790	19,367	31,166	53,946
	1914	70	10,732	7,682	6,915	13,753	22,593
	1909	44	8,409	9,158	5,750	9,134	16,763
Bread and other bakery products.	1919	14	109	140	117	658	951
	1914	23	118	118	66	224	375
	1909	11	45	55	22	68	122
Liquors, malt	1919	4	100	704	106	175	771
	1914	3	93	652	52	98	337
	1909	3	96	730	42	238	526
Lumber and timber products.[3]	1919	4	11	207	14	37	69
	1914	3	103	177	58	246	385
	1909	3	88	186	44	113	250
ALTOONA—Con. Printing and publishing	1919	11	182	256	158	307	761
	1914	10	185	252	140	102	358
	1909	10	154	177	87	81	260
All other industries	1919	31	12,398	9,483	18,972	29,989	51,394
	1914	31	10,233	6,483	6,599	13,083	21,138
	1909	17	8,026	8,010	5,555	8,634	15,605
BETHLEHEM[4] All industries.	1919	86	14,961	84,890	21,657	55,379	102,567
	1914	83	12,388	119,502	8,021	24,882	43,966
	1909	98	9,568	34,648	5,566	18,297	30,129
CHESTER[4] All industries.	1919	127	18,677	44,048	27,414	52,672	95,949
	1914	153	6,295	19,160	3,506	13,101	21,021
	1909	128	6,986	17,131	3,392	11,576	19,373
ERIE All industries.	1919	293	13,297	40,519	10,574	31,499	70,408
	1914	363	11,016	26,852	6,736	16,095	29,447
	1909	390	9,619	21,758	4,991	11,934	23,812
Brass, bronze, and copper products.	1919	6	138	767	195	482	874
	1914	6	75	392	45	184	257
	1909	4	45	80	25	72	127
Bread and other bakery products.	1919	36	184	255	238	1,069	1,589
	1914	42	259	166	160	458	746
	1909	48	150	117	91	364	561
Copper, tin, and sheet-iron products.[5]	1919	12	130	218	151	281	614
	1914	14	103	95	79	103	236
	1909	10	124	163	65	111	216
Flour-mill and gristmill products.	1919	5	29	516	31	1,152	1,397
	1914	5	36	842	24	1,357	1,470
	1909	4	32	540	18	764	843
Foundry and machine-shop products.[6]	1919	47	5,578	10,773	7,584	10,535	28,563
	1914	66	4,407	10,567	2,805	3,625	8,830
	1909	68	4,305	8,346	2,389	3,386	8,301
Lumber and timber products.[7]	1919	12	150	999	139	634	1,006
	1914	13	260	1,312	207	696	1,033
	1909	16	312	896	175	610	964
Mineral and carbonated waters.	1919	6	17	46	17	35	116
	1914	5	11	75	7	24	43
	1909	4	6	12	4	6	23
Models and patterns, not including paper patterns.	1919	5	35	89	46	29	340
	1914	5	21	49	15	6	27
Oil, composite	1919	3	11	59	17	609	815
	1914	4	23	210	16	246	340
	1909	5	15	185	10	173	248
Printing and publishing[8]	1919	24	344	343	359	469	1,473
	1914	30	462	519	268	292	887
	1909	23	409	610	182	250	829
Slaughtering and meat packing.[9]	1919	4	83	395	110	2,186	2,747
	1914	6	79	254	61	1,161	1,273
	1909	6	54	159	31	740	957
Stoves and furnaces, including gas and oil stoves.	1919	4	354	500	439	361	1,108
	1914	5	429	404	267	293	804
	1909	8	531	468	324	249	843
Tobacco, cigars	1919	16	68	1	91	96	233
	1914	24	87	.....	57	69	173
	1909	23	68	.....	41	63	157
All other industries	1919	113	6,176	25,558	7,157	13,561	29,533
	1914	138	4,764	11,967	2,725	7,581	13,328
	1909	171	3,478	10,182	1,636	5,146	9,743

[1] Includes "automobile repairing"; "hardware"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts," in all years; and "engines, steam, gas, and water," and "plumbers' supplies, not elsewhere specified," in 1914 and 1909.

[2] Includes "bookbinding and blank-book making."

[3] Includes "lumber, planing-mill products, not including planing mills connected with sawmills."

[4] Comparative statistics by industries for 1914 and 1909 not available.

[5] Includes "stamped ware, not elsewhere specified."

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

[7] Includes "lumber, planing-mill products, not including planing mills connected with sawmills," in all years, and "boxes, wooden packing, except cigar boxes," in 1909.

[8] Includes "engraving, steel and copper plate, including plate printing," and "lithographing" in 1914 and 1909.

[9] Includes "sausage, not made in slaughtering and meat-packing establishments" in 1919.

TABLE 51.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands of dollars.)	Cost of materials. (Expressed in thousands of dollars.)	Value of products. (Expressed in thousands of dollars.)
HARRISBURG..... All industries.	1919	216	10,522	27,363	11,847	26,039	52,153
	1914	219	7,966	24,216	4,457	10,605	18,872
	1909	199	9,743	22,355	4,547	14,083	22,665
Bread and other bakery products.	1919	31	218	287	223	1,322	1,883
	1914	38	205	206	124	458	704
	1909	39	185	143	91	362	601
Foundry and machine-shop products.[1]	1919	21	294	711	335	334	1,187
	1914	11	419	1,131	238	253	750
	1909	8	394	529	205	209	610
Iron and steel, steel works and rolling mills.	1919	5	2,444	17,353	3,403	8,000	13,739
	1914	3	1,035	17,106	743	2,966	4,028
	1909	5	2,136	15,937	964	6,157	7,621
Mineral and soda waters..	1919	6	25	57	20	94	185
	1914	3	7	10	5	7	29
	1909	4	10	15	5	12	27
Printing and publishing..	1919	27	620	1,247	633	539	2,059
	1914	23	519	632	314	345	1,036
	1909	30	483	460	267	264	954
Tobacco, cigars.....	1919	14	804	92	517	899	2,122
	1914	17	1,036	108	306	561	1,106
	1909	20	1,580	73	497	682	1,762
All other industries.....	1919	112	6,117	7,616	6,716	14,851	30,978
	1914	124	4,745	5,023	2,727	6,015	11,129
	1909	93	4,955	5,198	2,512	6,397	11,090
JOHNSTOWN..... All industries.	1919	149	12,855	159,999	23,197	53,425	90,469
	1914	136	12,177	116,466	8,685	34,441	50,974
	1909	96	10,233	116,713	6,094	31,424	46,774
Bread and other bakery products.	1919	16	130	192	116	679	942
	1914	17	125	160	65	231	398
	1909	11	61	84	35	146	219
Lumber, planing-mill products, not including planing mills connected with sawmills.[2]	1919	7	52	413	94	353	513
	1914	10	104	918	70	207	341
	1909	8	59	510	43	99	195
Mineral and carbonated waters.	1919	9	16	53	21	58	112
	1914	3	3	6	2	3	9
	1909	4	3	5	1	5	13
Printing and publishing..	1919	13	200	199	205	229	786
	1914	15	172	147	121	139	387
	1909	11	132	121	87	74	281
All other industries.....	1919	104	12,457	159,142	22,761	52,106	88,116
	1914	91	11,773	115,235	8,427	33,861	49,839
	1909	62	9,978	115,993	5,928	31,100	46,066
LANCASTER[3]..... All industries.	1919	285	9,444	21,154	8,547	26,720	48,026
	1914	304	8,862	14,555	4,067	11,139	20,011
	1909	305	7,955	10,027	3,236	8,803	15,934
PHILADELPHIA.. All industries.	1919	9,064	281,105	528,480	326,792	1,156,340	1,996,481
	1914	8,454	251,286	465,678	138,249	451,197	784,500
	1909	8,375	251,294	365,708	126,049	427,850	743,720
Asbestos products, not including steam packing.	1919	4	175	495	354	1,022	1,697
	1914	3	13	6	8	44	63
Automobile bodies and parts.	1919	55	5,690	8,302	8,090	14,305	24,931
	1914	25	623	1,216	496	719	1,577
Awnings, tents, and sails.	1919	47	161	87	173	764	1,291
	1914	33	114	46	73	275	482
	1909	20	89	27	48	124	235
Babbitt metal and solder.	1919	14	184	445	259	1,397	1,972
	1914	14	111	132	70	918	1,168
Baskets, and rattan and willow ware.	1919	15	210	55	195	638	1,068
	1914	15	88	16	46	50	147
Belting, leather.....	1919	12	372	520	429	3,279	5,131
	1914	11	157	252	108	1,098	1,507
	1909	13	119	286	81	809	1,104
Blacking, stains, and dressings.	1919	10	79	56	55	550	854
	1914	7	63	204	28	285	393
	1909	9	79	154	34	192	348
Boots and shoes, including findings.	1919	53	3,881	1,900	4,183	12,382	20,978
	1914	53	4,023	1,646	2,383	4,375	8,864
	1909	58	3,466	872	1,594	3,703	6,517
PHILADELPHIA—Continued. Boxes, paper and other, not elsewhere specified.	1919	80	3,135	1,745	2,138	4,188	9,118
	1914	70	3,640	1,401	1,333	2,050	4,670
	1909	65	3,379	1,382	1,113	1,631	3,822
Brass, bronze, and copper products.	1919	57	1,374	2,803	1,854	9,182	13,352
	1914	46	860	1,677	573	2,844	3,936
	1909	49	1,042	1,651	625	2,518	4,057
Bread and other bakery products.	1919	810	5,648	5,917	6,351	33,058	51,763
	1914	1,053	5,514	4,820	3,244	12,924	21,809
	1909	1,208	4,598	4,159	2,592	11,650	19,018
Brick and tile, terra-cotta, and fire-clay products.	1919	25	862	2,844	1,110	756	2,673
	1914	34	1,417	3,204	769	661	1,963
	1909	44	1,954	3,518	1,131	689	2,708
Brooms.....	1919	23	181	209	158	490	739
	1914	20	80	61	52	128	219
	1909	22	150	68	93	229	413
Brushes, other than toilet	1919	28	235	90	220	747	1,283
	1914	28	231	133	124	381	711
	1909	37	259	187	130	385	719
Carpets and rugs, other than rag.	1919	44	6,811	11,668	7,235	25,126	43,111
	1914	59	8,368	10,950	4,294	12,741	20,587
	1909	84	10,363	11,435	4,722	13,375	22,629
Carriages and wagons and materials.	1919	[4] 84	646	566	842	682	2,189
	1914	115	1,121	1,175	802	701	2,057
	1909	90	1,316	1,100	839	901	2,458
Cars and general shop construction and repairs by steam-railroad companies.	1919	10	6,528	6,638	9,302	6,411	16,458
	1914	10	3,917	9,970	3,117	3,107	6,547
	1909	10	3,669	2,256	2,527	2,416	5,318
Chemicals.....	1919	19	1,833	8,775	2,290	13,231	22,406
	1914	15	1,933	5,145	1,150	8,137	11,445
	1909	16	1,753	4,875	1,046	6,519	9,643
Cleansing and polishing preparations.	1919	24	104	288	73	651	1,141
	1914	25	83	132	36	254	534
	1909	21	55	84	25	121	264
Clothing, men's, including shirts.	1919	517	9,774	2,866	9,931	36,213	68,257
	1914	450	9,879	2,388	5,181	14,821	29,153
	1909	456	12,215	2,472	5,962	14,488	29,001
Clothing, women's.....	1919	537	11,416	2,486	12,899	41,237	69,184
	1914	434	15,201	2,429	7,482	18,712	34,143
	1909	351	13,500	1,955	6,574	16,666	30,133
Coffee and spice, roasting and grinding.	1919	54	411	1,323	327	9,321	11,390
	1914	49	498	1,714	258	3,603	5,163
	1909	61	355	1,195	178	3,500	4,563
Coffins, burial cases, and undertakers' goods.	1919	11	165	152	162	751	1,364
	1914	12	122	66	65	184	381
Confectionery and ice cream.	1919	243	4,509	6,377	3,545	17,325	29,657
	1914	196	3,462	4,876	1,454	6,332	10,639
Cooperage and wooden goods, not elsewhere specified.	1919	58	531	797	591	3,095	4,536
	1914	48	551	627	318	1,210	1,827
	1909	44	733	729	344	1,449	2,214
Copper, tin, and sheet-iron products.[5]	1919	208	2,364	2,095	2,814	5,602	11,649
	1914	155	2,983	2,107	1,762	3,964	7,570
	1909	134	2,939	2,074	1,559	4,331	7,493
Cordage and twine.....	1919	10	1,616	4,107	1,507	5,015	8,167
	1914	8	1,449	3,871	600	3,263	4,139
Cotton goods, including cotton small wares.[6]	1919	123	7,125	13,043	7,190	23,859	44,022
	1914	120	8,238	12,787	4,052	9,782	19,383
	1909	136	9,734	14,160	4,411	12,316	22,303
Cutlery and tools, not elsewhere specified.	1919	50	1,427	1,973	1,693	1,477	4,680
	1914	26	1,007	1,401	545	899	1,956
	1909	33	883	2,086	536	605	1,686
Dental goods.....	1919	41	1,813	729	1,422	2,820	6,181
	1914	38	802	314	377	1,433	2,685
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	120	4,144	10,433	4,504	12,761	26,548
	1914	116	3,589	7,269	1,997	3,901	7,597
	1909	104	3,575	7,037	1,829	2,413	6,327
Electrical machinery, apparatus, and supplies.	1919	60	4,323	7,218	5,163	15,394	33,729
	1914	51	2,489	4,540	1,393	4,405	8,869
	1909	45	1,759	2,603	923	3,241	7,065

[1] Includes "automobile repairing"; "engines, steam, gas, and water"; and "iron and steel, welding."
[2] Includes "lumber and timber products" in 1914 and 1909.
[3] Comparative statistics by industries for 1914 and 1909 not available.
[4] Excludes statistics for 1 establishment, to avoid disclosure of individual operations.
[5] Includes "stamped ware, not elsewhere specified," and "tinware, not elsewhere specified."
[6] Includes "cotton lace" in 1914 and 1909.

TABLE 51.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands of dollars.		
PHILADELPHIA—Continued.							
Fancy articles, not elsewhere specified.[1]	1919	34	445	287	351	885	1,953
	1914	32	614	207	269	535	1,181
	1909	42	719	341	296	545	1,281
Fertilizers	1919	5	811	3,686	940	4,347	6,419
	1914	6	756	2,290	414	3,080	4,380
	1909	6	764	3,020	375	3,054	4,268
Flavoring extracts	1919	24	45	47	45	548	855
	1914	15	40	15	21	102	192
	1909	21	33	36	18	150	294
Flour-mill and gristmill products.	1919	11	95	933	134	4,221	4,630
	1914	18	125	1,267	83	2,233	2,871
	1909	28	89	1,116	53	2,624	2,877
Food preparations, not elsewhere specified.	1919	60	750	2,508	676	8,008	10,462
	1914	64	881	1,641	500	3,149	4,630
	1909	66	817	1,531	402	2,013	3,331
Foundry and machine-shop products.[2]	1919	955	25,748	44,499	34,437	50,925	125,413
	1914	659	16,126	25,953	10,856	15,280	38,047
	1909	544	17,102	23,587	10,109	15,859	38,234
Fur goods	1919	73	293	72	440	2,214	3,468
	1914	49	152	30	106	426	794
	1909	47	181	10	129	484	1,002
Furnishing goods, men's	1919	25	639	122	506	1,839	3,123
	1914	25	625	107	256	1,198	1,815
	1909	22	761	38	299	1,191	1,975
Furniture and refrigerators.	1919	186	3,496	4,808	4,499	7,270	15,796
	1914	159	4,491	5,139	2,945	4,847	11,148
	1909	147	3,393	3,870	1,940	3,731	8,052
Gas and electric fixtures and lamps and reflectors.	1919	38	625	691	634	965	2,577
	1914	36	886	563	537	931	2,050
	1909	41	1,096	879	604	813	2,133
Glass, cutting, staining, and ornamenting.	1919	38	310	302	349	1,165	2,059
	1914	41	446	549	263	678	1,223
	1909	51	600	594	368	907	1,645
Grease and tallow, not including lubricating greases.	1919	9	297	944	374	3,453	4,434
	1914	7	349	818	212	1,767	2,210
	1909	13	316	745	165	1,600	2,382
Haircloth	1919	14	339	891	366	1,965	2,792
	1914	14	466	1,174	233	1,306	1,917
	1909	9	340	551	172	1,043	1,445
Hats and caps, other than felt, straw, and wool.	1919	55	564	151	750	1,459	3,171
	1914	52	586	72	368	745	1,484
	1909	42	464	51	188	413	803
Hats, fur-felt	1919	13	5,069	5,395	4,271	5,070	15,952
	1914	17	5,863	5,222	3,634	3,262	9,914
	1909	27	5,825	4,163	3,101	3,563	10,402
Hats, straw	1919	8	223	73	205	357	845
	1914	9	343	74	162	649	1,011
	1909	9	460	85	214	403	872
House-furnishing goods, not elsewhere specified.	1919	27	457	535	333	1,660	2,548
	1914	21	318	456	126	928	1,265
	1909	17	327	423	111	629	966
Ice, manufactured	1919	33	950	18,861	1,030	1,308	4,493
	1914	34	627	14,457	382	558	1,844
	1909	31	535	11,708	375	524	1,663
Ink, printing	1919	10	230	856	289	1,390	2,290
	1914	9	151	341	106	823	1,052
	1909	8	165	483	105	623	1,050
Instruments, professional and scientific.	1919	39	1,228	910	1,313	1,726	4,887
	1914	40	691	729	384	320	1,410
	1909	31	589	701	350	226	923
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1919	10	762	2,069	815	1,742	3,385
	1914	9	665	1,722	277	749	1,254
	1909	8	767	1,493	339	655	1,290
Iron and steel forgings, not made in steel works or rolling mills.	1919	11	531	3,057	845	1,783	3,570
	1914	8	212	916	140	237	492
	1909	9	159	558	104	209	427
PHILADELPHIA—Continued.							
Jewelry	1919	172	439	287	601	1,845	3,477
	1914	82	346	223	254	555	1,147
	1909	52	295	110	186	427	884
Knit goods	1919	239	17,775	10,903	14,530	52,565	85,849
	1914	200	18,002	8,615	7,599	17,829	31,350
	1909	177	15,999	7,962	5,753	12,870	23,971
Leather goods [3]	1919	143	1,584	579	1,588	4,255	8,801
	1914	136	1,884	674	924	2,341	4,494
	1909	84	1,707	430	781	2,141	3,994
Leather, tanned, curried, and finished.	1919	34	5,692	10,917	8,250	54,454	89,019
	1914	33	4,821	9,518	2,698	18,296	23,557
	1909	41	5,972	8,664	3,009	17,140	23,526
Liquors, malt	1919	31	1,304	13,391	1,693	3,520	17,718
	1914	39	1,767	13,023	1,561	4,151	13,908
	1909	48	1,857	13,368	1,443	3,933	14,257
Lumber and timber products.[4]	1919	81	3,382	10,981	3,932	7,061	14,134
	1914	93	3,188	9,026	1,906	4,460	7,775
	1909	98	3,248	7,872	1,812	4,453	7,703
Marble and stone work	1919	73	550	1,964	658	856	2,215
	1914	80	869	2,199	673	1,110	2,321
	1909	98	1,619	2,662	1,089	1,432	3,464
Mattresses and spring beds, not elsewhere specified.	1919	43	474	606	497	1,578	2,751
	1914	34	394	589	226	747	1,268
	1909	38	309	471	138	657	1,069
Millinery and lace goods, not elsewhere specified.	1919	100	2,213	668	1,728	4,238	8,189
	1914	93	2,199	493	990	1,907	4,023
	1909	90	2,770	370	956	2,773	5,052
Mineral and soda waters	1919	72	281	504	350	1,401	2,352
	1914	67	337	345	233	685	1,720
	1909	85	341	385	206	676	2,003
Mucilage, paste, and other adhesives, not elsewhere specified.	1919	12	108	250	100	674	1,159
	1914	10	88	185	45	550	841
	1909	11	64	183	29	548	736
Oil, not elsewhere specified.	1919	24	480	2,301	682	9,028	15,596
	1914	18	270	1,138	172	2,589	3,422
	1909	12	141	483	82	1,449	1,935
Optical goods	1919	38	456	200	445	999	2,318
	1914	26	378	156	206	405	1,188
	1909	14	291	110	123	273	621
Paint and varnish	1919	52	2,026	6,145	2,620	14,628	22,429
	1914	53	1,524	5,506	925	6,261	9,655
	1909	50	1,197	4,027	689	5,194	8,045
Paper and wood pulp	1919	5	1,595	17,240	2,068	6,314	10,635
	1914	6	1,437	12,510	761	2,949	5,034
	1909	7	1,301	10,645	629	2,352	4,122
Paper goods, not elsewhere specified.[5]	1919	25	1,313	1,224	1,119	3,297	6,232
	1914	27	1,319	1,180	579	2,488	4,195
	1909	31	1,311	1,213	518	2,161	3,597
Patent medicines and compounds and druggists' preparations.[6]	1919	162	2,440	2,630	2,182	8,127	18,949
	1914	146	2,077	1,714	897	4,753	10,855
	1909	174	2,140	2,012	897	4,087	9,423
Photo-engraving	1919	16	500	284	870	518	2,512
	1914	14	480	218	531	222	1,172
	1909	16	397	105	381	185	917
Pickles, preserves, and sauces.	1919	25	324	412	249	2,825	3,853
	1914	19	397	540	185	1,453	2,108
	1909	23	628	723	226	1,772	2,538
Printing and publishing [7]	1919	920	14,312	18,746	17,605	41,950	111,343
	1914	936	14,759	19,257	10,033	18,507	55,340
	1909	931	13,681	12,267	8,249	15,387	45,807
Signs and advertising novelties.	1919	87	194	103	241	338	947
	1914	30	305	145	164	529	1,028
Silk goods, including throwsters.	1919	38	3,157	3,612	2,633	11,540	19,767
	1914	32	3,391	2,658	1,583	4,232	8,237
	1909	32	3,056	2,156	1,235	3,472	6,502

[1] Includes "combs and hairpins, not made from metal or rubber," and "ivory, shell, and bone work, not including combs and hairpins."

[2] Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware"; "iron and steel, welding"; "machine tools"; "plumbers' supplies, not elsewhere specified"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; "steel barrels, drums, and tanks"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts" in all years; "hardware, saddlery," in 1914 and 1909; and "bells" in 1909.

[3] Includes "pocketbooks": "saddlery and harness"; and "trunks and valises."

[4] Includes "boxes, wooden packing, except cigar boxes" and "lumber, planing-mill products, not including planing mills connected with sawmills," in all years, and "window and door screens and weather strips" in 1914 and 1909.

[5] Includes "cardboard, not made in paper mills," and "envelopes."

[6] Includes "perfumery and cosmetics."

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

TABLE 51.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued

INDUSTRY AND CITY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands of dollars.		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.							
PHILADELPHIA—Continued.							
Slaughtering and meat packing.	1919	39	1,742	3,140	2,205	43,879	50,160
	1914	53	1,302	3,105	941	23,494	26,395
	1909	76	1,081	2,946	779	19,627	21,894
Soap	1919	23	766	1,403	1,121	8,296	12,412
	1914	27	912	1,594	552	6,039	9,024
	1909	32	799	1,520	388	5,071	7,319
Stationery goods, not elsewhere specified	1919	9	270	73	183	381	910
	1914	10	197	20	85	137	441
	1909	3	31	20	19	37	78
Steam packing	1919	15	305	526	310	1,183	2,244
	1914	16	187	257	106	436	859
	1909	15	193	413	100	566	1,136
Stereotyping and electrotyping.	1919	9	290	559	465	306	1,560
	1914	15	307	583	267	176	778
Stoves and furnaces, including gas and oil stoves.	1919	25	621	607	791	1,587	3,413
	1914	21	725	776	447	813	1,818
	1909	20	649	891	444	702	1,850
Sugar, refining, not including beet sugar.	1919	4	3,221	9,762	4,341	119,796	133,796
	1914	3	1,741	16,955	1,240	42,098	45,936
Surgical appliances	1919	20	436	205	423	614	1,451
	1914	16	446	253	256	317	893
	1909	22	370	375	210	293	778
Tobacco manufactures	1919	315	5,638	1,791	4,638	11,228	26,736
	1914	426	6,961	654	2,923	5,374	12,733
	1909	496	6,545	891	2,650	5,390	13,429
Toys and games	1919	22	729	509	527	977	2,142
	1914	17	553	456	248	346	984
	1909	12	356	151	126	156	427
Umbrellas and canes	1919	11	730	1,357	674	1,404	2,881
	1914	27	1,069	1,494	518	976	1,859
	1909	31	1,166	1,342	505	1,060	2,075
Wall paper	1919	4	326	275	298	1,051	1,651
	1914	4	485	470	261	976	1,455
	1909	4	454	525	196	1,047	1,732
Woolen and worsted goods	1919	130	16,229	35,565	17,783	82,304	124,666
	1914	123	16,924	28,443	7,817	31,004	45,608
	1909	128	19,045	32,888	7,924	37,679	54,570
All other industries	1919	913	57,569	170,053	77,731	243,198	415,588
	1914	859	41,206	170,323	22,979	73,988	126,768
	1909	1,095	48,735	125,095	25,544	127,310	190,869
PITTSBURGH—All industries.	1919	1,875	83,290	358,956	109,859	366,865	614,727
	1914	1,741	69,620	308,823	45,068	149,915	246,694
	1909	1,658	67,420	307,216	30,939	148,507	243,392
Automobile bodies and parts.	1919	24	374	613	519	581	1,617
	1914	11	157	201	116	121	337
Boxes, paper and other, not elsewhere specified.	1919	8	270	412	182	359	796
	1914	6	213	188	76	148	308
	1909	7	214	165	62	86	215
Brass, bronze, and copper products.	1919	19	1,237	3,672	1,629	5,860	10,501
	1914	12	481	1,640	320	2,503	3,176
	1909	12	629	2,756	379	2,373	3,188
Bread and other bakery products.	1919	244	4,017	4,470	3,915	15,598	27,638
	1914	242	2,563	2,722	1,330	5,007	9,363
	1909	248	2,009	2,222	1,048	4,472	8,054
Brick and tile, terra-cotta, and fire-clay products.	1919	13	432	3,240	453	402	1,101
	1914	15	835	3,450	346	347	1,008
	1909	20	727	3,464	353	368	1,062
Brooms and brushes	1919	15	139	177	136	422	821
	1914	12	184	130	112	298	542
	1909	9	100	165	57	162	325
Cars and general shop construction and repairs by steam-railroad companies.	1919	9	8,142	11,585	10,322	6,839	18,914
	1914	5	4,926	4,050	3,752	4,992	9,707
	1909	7	4,313	9,898	3,052	4,967	8,556
Chemicals	1919	5	87	960	116	696	1,303
	1914	4	52	632	46	313	434
	1909	3	48	260	32	392	531
Clothing, men's, including shirts.	1919	30	845	281	631	2,402	3,749
	1914	34	900	236	414	1,075	1,970
	1909	24	866	340	342	1,122	1,950
PITTSBURGH—Con.							
Confectionery and ice cream.	1919	32	1,849	5,766	1,831	6,916	11,443
	1914	23	1,240	1,747	550	2,656	4,139
Cooperage [1]	1919	3	109	130	88	557	964
	1914	8	129	114	61	297	420
	1909	12	168	144	94	349	567
Copper, tin, and sheet-iron products.[2]	1919	81	578	601	709	1,936	3,527
	1914	65	688	691	451	1,098	1,965
	1909	48	471	349	297	495	1,121
Electrical machinery, apparatus, and supplies.	1919	23	1,655	2,863	1,744	4,728	9,726
	1914	21	1,161	1,402	674	2,212	3,970
	1909	13	862	1,640	433	1,843	3,324
Food preparations, not elsewhere specified.	1919	15	209	515	186	1,553	2,138
	1914	12	246	421	124	932	1,228
	1909	12	143	349	58	538	787
Foundry and machine-shop products.[3]	1919	249	10,775	32,844	15,117	27,839	62,578
	1914	184	10,026	21,632	6,940	12,972	27,778
	1909	156	8,635	18,911	5,967	10,653	22,772
Fur goods	1919	14	99	31	127	276	694
	1914	9	45	7	34	77	203
Glass	1919	8	1,091	1,894	1,102	1,266	2,717
	1914	8	1,312	1,258	891	472	1,816
	1909	9	1,171	915	608	449	1,443
House-furnishing goods, not elsewhere specified.	1919	7	80	5	90	355	560
	1914	4	13	.....	6	37	59
Ice, manufactured	1919	12	496	6,128	658	779	2,055
	1914	9	457	5,075	260	207	952
	1909	15	196	6,384	131	199	958
Instruments, professional and scientific.	1919	5	145	83	189	199	662
	1914	5	55	34	42	42	171
Iron and steel, blast furnaces.	1919	4	1,337	60,549	2,796	21,128	31,376
	1914	4	1,379	38,642	1,180	14,020	16,982
	1909	6	1,383	50,768	1,053	16,038	20,668
Iron and steel, steel works and rolling mills.	1919	25	24,661	154,064	40,768	134,443	203,052
	1914	25	19,414	170,508	13,282	40,203	61,008
	1909	25	23,560	156,512	14,455	55,887	82,307
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1919	7	1,352	4,252	1,384	3,915	7,730
	1914	6	935	3,113	425	1,563	2,216
	1909	7	668	1,577	346	1,151	1,886
Iron and steel forgings, not made in steel works or rolling mills.	1919	6	843	2,115	1,200	2,605	4,528
	1914	5	95	602	76	124	249
Jewelry	1919	17	111	154	144	348	848
	1914	11	101	37	73	107	261
	1909	6	77	19	55	88	183
Leather goods [4]	1919	12	141	98	137	339	654
	1914	13	138	55	76	168	335
	1909	12	124	79	64	136	260
Liquors, malt	1919	8	661	6,665	916	1,611	7,879
	1914	10	840	6,292	710	1,767	5,200
	1909	12	873	6,591	686	1,267	5,420
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	35	365	2,675	536	1,279	2,892
	1914	30	355	1,978	310	939	1,543
	1909	37	540	2,496	387	816	1,445
Marble and stone work	1919	23	145	666	220	256	652
	1914	23	124	621	94	94	279
	1909	25	285	709	194	248	598
Mattresses and spring beds, not elsewhere specified.	1919	8	294	555	270	1,046	1,644
	1914	8	286	478	161	498	934
	1909	6	223	261	124	337	590
Mineral and soda waters	1919	27	106	176	126	385	882
	1914	21	104	149	73	115	342
Optical goods	1919	7	154	105	110	327	668
	1914	3	52	35	26	107	217
Paints	1919	10	199	1,075	231	2,600	4,034
	1914	11	175	1,131	105	1,096	1,645
Patent medicines and compounds and druggists' preparations.[5]	1919	40	151	77	117	704	1,784
	1914	33	101	123	56	378	929
	1909	31	114	263	51	313	898
Petroleum, refining	1919	3	558	487	775	9,219	11,329
	1914	3	286	1,856	197	2,648	3,202

[1] Includes "wooden goods, not elsewhere specified," in 1914 and 1909.
[2] Includes "tinware, not elsewhere specified."
[3] Includes "automobile repairing"; "gas machines and gas and water meters"; "hardware"; "iron and steel, welding"; "machine tools"; "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," in all years; and "engines, steam, gas, and water," in 1919.
[4] Includes "saddlery and harness" and "trunks and valises."
[5] Includes "perfumery and cosmetics."

TABLE 51.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

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

INDUSTRY AND CITY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands of dollars.		
PITTSBURGH—Con.							
Pickles, preserves, and sauces.	1919	10	1,773	2,428	439	10,644	20,201
	1914	11	2,105	2,182	917	5,187	11,492
	1909	11	1,710	1,811	615	2,392	6,202
Printing and publishing [1].	1919	292	3,403	4,725	4,030	7,717	21,537
	1914	278	3,104	4,952	2,305	3,263	10,825
	1909	254	2,805	4,173	1,960	2,669	9,071
Slaughtering and meat packing.	1919	21	1,272	4,873	1,504	25,635	29,889
	1914	12	1,042	3,168	738	16,175	17,947
	1909	14	841	3,391	553	11,466	13,107
Soap	1919	6	308	640	374	1,276	2,413
	1914	4	138	438	54	297	590
	1909	7	243	488	104	458	1,207
Springs, steel, car and carriage, not made in steel works or rolling mills.	1919	5	460	1,061	621	2,373	4,664
	1914	6	302	675	183	825	1,329
	1909	4	292	175	743	873	1,536
Tobacco manufactures	1919	127	1,513	206	949	1,722	3,871
	1914	186	2,978	263	1,014	1,410	3,857
	1909	215	3,065	213	844	1,172	3,615
Tools, not elsewhere specified.	1919	10	209	596	203	311	927
	1914	11	207	465	121	160	434
	1909	15	244	638	152	217	573
Vinegar and cider	1919	5	54	92	63	480	709
	1914	3	12	8	10	102	156
All other industries	1919	351	10,592	34,352	12,202	56,939	87,060
	1914	335	9,664	25,422	6,337	22,863	35,176
	1909	376	9,821	29,090	4,640	24,511	38,973
READING All industries.	1919	527	29,122	57,559	29,624	82,694	141,561
	1914	486	24,131	46,702	11,885	31,386	53,232
	1909	482	24,145	43,193	11,011	29,848	51,135
Boxes, set-up paper boxes.	1919	7	187	102	113	222	409
	1914	6	149	133	55	90	172
	1909	6	145	115	50	79	164
Brass, bronze, and copper products.	1919	6	126	70	142	340	620
	1914	7	93	73	56	156	239
	1909	8	57	72	30	91	149
Bread and other bakery products.	1919	47	377	403	327	1,370	2,304
	1914	48	414	410	213	642	1,109
	1909	55	342	282	191	536	950
Copper, tin, and sheet-iron work.	1919	11	34	1	37	57	119
	1914	5	22	9	15	22	49
	1909	3	13	3	9	15	33
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	6	182	951	156	465	896
	1914	4	121	665	54	114	20
	1909	4	272	625	84	134	29
Foundry and machine-shop products.[2]	1919	62	3,180	6,787	3,553	4,535	11,138
	1914	37	2,860	3,845	1,321	1,765	4,363
	1909	37	2,832	3,389	1,384	1,716	3,889
Knit goods	1919	56	6,818	3,098	5,194	19,117	33,736
	1914	38	4,258	2,524	1,630	3,593	6,501
	1909	38	4,396	2,097	1,323	2,132	4,551
Liquors, malt	1919	4	111	1,563	141	532	1,994
	1914	4	119	1,800	131	484	1,443
	1909	4	105	1,555	73	349	1,417
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	4	91	280	86	231	433
	1914	6	267	834	135	375	614
	1909	6	222	722	106	306	547
Marble and stone work	1919	8	70	239	90	143	379
	1914	9	84	164	55	48	132
	1909	9	91	179	53	47	156
Mineral and carbonated waters.	1919	6	15	24	13	87	142
	1914	9	23	40	16	35	65
Models and patterns, not including paper patterns.	1919	6	54	80	49	56	151
				54	20	26	64
Printing and publishing				472	344	508	1,564
				483	224	200	890
				355	199	162	743
Shirts				46	150	575	1,076
				44	78	149	283
Silk goods				221	142	997	1,348
				244	94	305	531
READING—Con.							
Tobacco, cigars	1919	62	1,086	28	928	1,669	3,413
	1914	73	1,734	66	771	1,555	2,874
	1909	76	1,373	24	554	1,244	2,497
All other industries	1919	193	15,992	43,194	18,159	51,790	81,839
	1914	183	13,112	35,314	7,017	21,827	33,883
	1909	199	14,021	33,775	6,955	23,037	36,010
SCRANTON All industries.	1919	311	14,467	29,664	11,978	28,046	54,630
	1914	308	12,559	24,994	6,040	15,799	28,722
	1909	293	12,851	20,564	5,146	14,282	26,365
Bread and other bakery products.	1919	39	312	400	261	1,314	2,079
	1914	37	393	294	243	656	1,129
	1909	38	244	200	118	479	759
Carriages and wagons, including repairs.	1919	4	19	64	20	19	57
	1914	12	199	319	106	139	315
	1909	13	197	294	103	150	331
Clothing, women's	1919	11	464	74	239	901	1,525
	1914	6	420	54	122	433	697
	1909	7	421	103	128	285	550
Copper, tin, and sheet-iron work.	1919	5	37	19	44	45	122
	1914	7	55	17	42	42	112
	1909	8	48	5	22	31	67
Flour-mill and gristmill products.	1919	4	35	278	32	425	465
	1914	5	63	330	35	614	754
	1909	4	19	268	6	189	227
Foundry and machine-shop products.[4]	1919	31	1,186	2,732	1,314	1,714	4,087
	1914	16	553	1,637	356	548	1,569
	1909	20	1,083	2,467	567	853	2,218
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	7	192	616	185	555	871
	1914	9	255	755	156	375	732
	1909	9	389	737	212	603	933
Mineral and carbonated waters.	1919	10	41	86	35	143	339
	1914	9	28	37	19	19	82
Printing and publishing [5].	1919	43	733	913	680	1,385	3,103
	1914	49	811	777	679	686	2,079
	1909	48	588	700	354	445	1,309
Silk goods, including throwsters.	1919	32	4,197	7,970	2,251	7,656	13,134
	1914	19	3,330	5,133	976	4,138	5,755
	1909	15	3,814	4,738	976	4,640	6,631
Tobacco, cigars	1919	11	165	18	124	252	532
	1914	24	379	178	127	349	735
	1909	28	264	135	88	268	618
All other industries	1919	114	7,086	16,494	6,793	14,537	28,316
	1914	115	6,073	15,463	3,179	7,800	14,763
	1909	103	5,784	10,917	2,572	6,339	12,722
WILKES-BARRE All industries.	1919	179	9,408	14,846	8,318	20,083	41,986
	1914	188	8,107	11,867	3,836	8,014	16,734
	1909	176	7,553	12,109	3,323	6,433	13,526
Bread and other bakery products.	1919	19	272	329	248	899	1,554
	1914	22	228	170	118	422	723
	1909	28	196	126	109	418	660
Flour-mill and gristmill products.	1919	3	21	127	20	186	248
	1914	3	25	157	11	208	237
	1909	4	18	270	10	293	332
Foundry and machine-shop products.	1919	11	95	274	113	242	528
	1914	9	26	258	73	147	300
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	6	47	286	37	72	151
	1914	7	90	271	64	101	183
	1909	6	90	205	41	98	193
Marble and stone work	1919	5	15	65	19	37	104
	1914	6	26	60	25	38	91
Printing and publishing	1919	26	281	443	323	403	1,326
	1914	33	420	346	289	264	925
	1909	31	327	320	206	206	766
Silk goods, including throwsters.	1919	8	2,327	3,896	1,285	1,867	6,024
	1914	5	1,594	1,891	389	748	1,625
	1909	6	1,083	1,866	247	407	1,066
All other industries	1919	101	6,350	9,426	6,273	16,377	32,051
	1914	103	5,698	8,714	2,867	6,086	12,650
	1909	101	5,839	9,322	2,710	5,011	10,509

[1] Includes "bookbin[illegible] king"; "engraving, steel and copper plate, including plate printing"; and "lithographing."
[2] Includes "automob[illegible] ire"; "iron and steel, cast-iron pipe"; "iron and steel, welding"; "machine tools"; "plumbers' supplies, not elsewhere specified:" and "structur[illegible] n steel works or rolling mills," in all years; and "steam fittings and steam and hot-water heating apparatus" in 1914 and 1909.
[3] Includes "bookbin[illegible] king."
[4] Includes "iron and [illegible] n fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery [illegible] automobile repairing"; "engines, steam, gas, and water," in 1919 and 1909; "hardware"; "plumbers' supplies, not elsewhere specified"; and "pumps, [illegible] hardware, saddlery," in 1909.
[5] Includes "bookbin[illegible] king" and "lithographing."

TABLE 51.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

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

Industry and city.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages. (Expressed in thousands of dollars.)	Cost of materials. (Expressed in thousands of dollars.)	Value of products. (Expressed in thousands of dollars.)
Beaver Falls	1919	71	3,204	9,334	4,134	10,532	20,414
	1914	59	2,639	7,327	1,616	4,222	7,963
	1909	44	2,180	5,141	1,218	3,015	6,400
Braddock	1919	49	1,170	10,376	2,245	5,906	9,439
	1914	39	1,140	8,266	804	2,651	4,022
	1909	41	1,040	7,332	785	3,347	5,094
Bradford	1919	83	1,539	6,938	1,780	6,392	10,861
	1914	71	1,178	3,957	687	2,617	4,034
	1909	82	1,318	3,856	655	2,442	3,887
Bristol	1919	34	1,470	5,380	1,386	2,592	5,698
	1914	32	1,809	4,487	811	4,137	5,037
Butler	1919	77	3,744	20,804	4,733	33,740	44,477
	1914	69	3,303	13,875	2,051	11,005	15,006
	1909	60	2,807	11,885	1,561	7,581	11,034
Carbondale	1919	43	861	2,107	730	1,514	3,188
	1914	43	1,897	2,196	945	1,531	3,170
	1909	34	1,503	1,407	636	1,253	2,523
Carlisle	1919	44	1,422	1,553	1,066	3,464	6,543
	1914	50	1,603	2,375	701	2,073	3,415
	1909	50	1,334	1,735	511	1,431	2,496
Carnegie	1919	26	222	1,062	278	1,928	2,790
	1914	19	337	1,342	231	902	1,724
	1909	18	337	1,145	220	627	1,184
Chambersburg	1919	56	1,996	4,641	2,241	4,432	8,792
	1914	59	1,650	3,741	755	1,547	3,075
	1909	57	1,364	3,126	599	1,170	2,456
Charleroi	1919	35	2,023	4,972	2,217	2,558	5,687
	1914	29	1,904	4,025	1,061	1,272	2,909
Columbia	1919	56	2,322	4,067	2,117	5,295	9,812
	1914	61	2,141	4,146	825	1,855	3,341
	1909	47	2,773	6,589	1,107	2,671	4,807
Connellsville	1919	51	1,623	6,884	1,979	2,017	4,664
	1914	42	1,087	3,205	689	789	1,994
	1909	39	1,035	4,526	576	817	1,971
Du Bois	1919	41	1,397	2,953	1,851	1,298	3,938
	1914	34	1,105	3,130	686	1,245	2,395
	1909	36	920	3,174	484	829	1,753
Dunmore	1919	27	1,360	1,491	1,468	1,712	3,628
	1914	24	948	1,731	352	477	1,269
	1909	18	1,019	1,266	369	528	1,494
Easton	1919	102	4,672	9,962	5,304	14,034	27,012
	1914	118	4,062	7,272	2,278	4,671	10,357
	1909	126	3,388	5,965	1,524	3,424	6,915
Greensburg	1919	66	653	2,724	741	1,954	4,000
	1914	53	494	1,043	462	536	1,382
	1909	46	270	533	147	313	687
Hazleton	1919	74	3,815	6,120	3,091	8,855	14,830
	1914	76	2,744	3,334	1,217	3,271	5,594
	1909	77	2,682	3,112	940	2,702	4,707
Homestead	1919	45	513	1,521	683	2,004	3,759
	1914	30	260	1,276	178	459	1,019
	1909	26	171	890	111	322	659
Lebanon	1919	103	5,651	34,873	5,259	11,748	23,242
	1914	97	5,270	22,201	2,370	5,109	9,871
	1909	109	5,591	21,717	2,441	6,778	11,429
McKeesport	1919	82	11,909	78,248	20,260	58,844	105,059
	1914	73	6,857	55,599	5,248	20,917	33,743
	1909	68	8,246	49,935	6,031	27,296	42,495
McKees Rocks	1919	34	3,114	23,197	4,053	6,109	13,202
	1914	39	3,548	11,534	2,419	3,955	7,894
	1909	30	3,554	8,522	2,280	5,368	9,582
Mahanoy City	1919	24	450	498	264	502	1,087
	1914	33	661	833	255	413	1,057
	1909	33	590	753	166	383	868
Meadville	1919	43	1,841	3,356	2,010	3,788	7,949
	1914	57	1,676	2,895	879	1,866	5,058
	1909	59	2,036	2,457	969	1,674	3,498
Mount Carmel	1919	35	1,221	627	693	1,797	3,382
	1914	30	978	407	287	709	1,280
	1909	20	600	322	144	416	785
Nanticoke	1919	36	1,029	885	507	828	2,015
	1914	35	747	796	183	417	995
	1909	16	344	437	118	176	415
New Castle	1919	87	8,014	73,591	14,488	64,866	91,371
	1914	95	6,381	71,118	5,058	29,547	38,385
	1909	82	5,521	64,897	4,024	31,134	38,341
Norristown	1919	100	3,534	8,611	3,454	9,507	18,334
	1914	105	3,959	6,669	1,819	4,424	8,421
	1909	111	3,818	5,713	1,553	3,274	7,325
Oil City	1919	37	3,306	6,178	4,765	5,497	14,069
	1914	36	2,276	4,447	1,559	2,041	4,872
	1909	33	1,283	2,467	872	1,380	2,955
Phoenixville	1919	32	2,410	20,544	2,829	7,672	12,435
	1914	34	2,927	19,081	1,543	3,789	6,239
	1909	31	2,599	15,152	1,180	3,717	5,876
Pittston	1919	40	974	2,189	735	1,742	3,836
	1914	39	729	2,102	354	787	1,900
	1909	40	792	2,133	316	1,067	1,969
Plymouth	1919	21	588	1,043	290	653	1,285
	1914	17	478	963	173	441	831
	1909	23	908	1,412	281	704	1,179
Pottstown	1919	86	4,099	30,124	4,264	15,516	23,583
	1914	77	2,622	18,578	1,156	6,199	8,866
	1909	77	3,619	17,420	1,722	8,998	12,502
Pottsville	1919	91	2,977	23,507	2,858	10,067	16,115
	1914	115	3,506	25,978	1,474	7,111	10,196
	1909	90	2,808	15,232	1,276	5,824	8,979
Punxsutawney	1919	36	457	3,057	613	2,093	3,268
	1914	34	710	4,389	510	1,429	2,228
Shamokin	1919	67	3,251	4,974	2,122	8,222	11,600
	1914	51	2,634	2,706	1,030	3,556	5,542
	1909	39	1,623	1,862	499	2,129	3,544
Sharon	1919	40	2,707	24,549	4,338	10,673	18,030
	1914	48	2,298	18,762	1,640	3,551	6,373
	1909	44	2,545	22,192	1,500	3,791	5,962
Shenandoah	1919	39	759	1,049	515	2,341	4,028
	1914	46	475	1,497	209	912	1,573
	1909	29	242	1,382	134	336	888
Sunbury	1919	45	2,128	2,168	2,387	5,823	10,131
	1914	44	1,718	3,091	912	2,782	5,116
	1909	39	2,069	2,835	1,118	2,228	4,450
Tamaqua	1919	31	806	1,115	706	1,771	2,957
	1914	46	974	995	448	1,034	1,687
Uniontown	1919	48	573	2,103	718	1,730	3,320
	1914	43	776	2,195	488	772	2,237
	1909	41	335	1,620	225	379	1,347
Warren	1919	89	2,154	7,039	2,415	11,795	18,092
	1914	72	1,876	4,347	1,244	5,761	8,611
	1909	72	1,489	3,960	836	3,676	5,744
Washington	1919	92	2,880	7,886	3,389	6,153	13,838
	1914	64	2,002	4,016	1,217	2,844	5,094
	1909	73	1,896	2,891	1,009	2,062	4,311
West Chester	1919	52	1,005	2,036	1,078	1,688	3,995
	1914	55	894	1,678	537	773	2,085
	1909	35	916	934	478	667	2,146
Wilkinsburg	1919	49	323	1,701	374	863	1,703
	1914	29	194	1,094	144	262	572
	1909	24	185	1,016	129	262	538
Williamsport	1919	145	8,566	21,644	8,521	23,255	41,659
	1914	176	6,015	12,041	3,190	8,625	15,864
	1909	154	5,594	11,628	2,478	6,992	13,202
York	1919	273	13,368	30,032	12,655	29,374	59,589
	1914	247	10,851	18,965	5,031	11,161	22,040
	1909	214	9,836	14,799	4,200	8,304	17,650

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	27,973	1,323,662	27,433	46,470	74,925	38,997	1,135,837	De 1,197,667	My 1,083,521	(3)	(3)	(3)	(3)	(3)	Dollars. 6,177,729,008
2	Agricultural implements	27	1,687	22	76	158	60	1,371	My 1,531	Se 987	1,505	1,494	11	.....	.....	8,626,304
3	Ammunition	10	904	7	138	71	19	669	Ja 2,919	Je 323	1,033	771	262	.....	.....	6,105,657
4	Artificial flowers	14	518	13	11	24	15	455	Mh 482	Ja 428	461	184	246	8	23	596,174
5	Artificial limbs	21	96	19	9	9	4	55	De 60	Ja [4] 51	60	57	2	1	.....	143,715
6	Artificial stone products	99	505	120	26	18	7	334	Se 406	Ja 257	398	397	1	.....	.....	1,234,335
7	Artists' materials	9	183	11	13	16	33	110	De 130	My [4] 104	136	95	33	5	3	726,895
8	Asbestos products, not including steam packing.	9	1,280	2	47	50	31	1,150	Ja 1,271	Au 1,051	1,204	1,042	145	6	11	6,010,132
9	Automobile bodies and parts	177	11,815	166	389	697	289	10,274	De 12,895	Ja 8,329	12,850	12,574	231	45	.....	37,375,912
10	Automobiles	25	5,342	2	168	494	244	4,434	De 4,966	Ja 3,755	5,108	4,990	115	3	.....	28,172,033
11	Automobile repairing	1,359	7,607	1,582	253	284	263	5,225	Au 5,505	Ja 4,797	5,473	5,385	39	49	.....	15,264,528
12	Awnings, tents, and sails	92	410	98	26	18	7	261	Je 343	No 197	273	160	112	1	.....	2,674,764
13	Babbitt metal and solder	19	308	14	18	30	13	233	.....	.....	223	221	.....	2	.....	1,762,217
14	Babbitt metal	9	209	4	13	25	3	164	Fe 213	Oc 134	145	145	.....	.....	.....	1,190,351
15	White metal and type metal	4	80	5	4	4	7	60	No 71	My 48	67	65	.....	2	.....	457,131
16	Solder	6	19	5	1	1	3	9	Jy [4] 11	Ja [4] 8	11	11	.....	.....	.....	114,735
17	Bags, other than paper, not including bags made in textile mills.	14	413	19	6	26	13	349	Au 380	Mh 304	374	145	223	.....	6	1,428,323
18	Bags, paper, not including bags made in paper mills.	13	347	13	9	7	11	307	De 332	Mh 283	346	194	148	3	1	1,107,868
19	Baking powders	7	22	5	2	7	.....	8	(5) 8	(5) 8	8	6	2	.....	.....	86,664
20	Baskets, and rattan and willow ware.	32	402	35	10	26	20	311	Se 340	Ja 268	330	240	80	4	6	579,544
21	Belting and hose, woven, other than rubber.	9	888	2	34	103	76	673	No 786	Je 583	777	461	288	13	15	4,057,977
22	Belting, leather	17	633	16	48	77	78	414	Oc 457	Je 352	448	413	34	1	.....	4,151,003
23	Billiard tables and accessories	4	30	4	3	.....	2	21	Oc [4] 23	Ja 17	23	22	.....	1	.....	116,801
24	Blacking, stains, and dressings	16	148	14	15	10	10	90	No 99	Ja 83	100	42	57	.....	1	537,435
25	Bluing	6	61	6	3	4	4	44	Au 49	Ja 39	40	17	22	.....	1	85,455
26	Bone, carbon, and lamp black	5	114	.....	20	6	2	86	De 92	Au 82	92	91	1	.....	.....	581,910
27	Bookbinding and blank-book making	109	1,776	110	68	39	40	1,519	No 1,591	Ja 1,441	1,623	739	831	25	28	2,706,534
28	Boot and shoe cut stock	11	433	10	17	29	10	367	No 410	Jy 332	376	294	64	8	10	3,468,755
29	Boot and shoe findings	16	224	27	11	10	18	158	No [4] 192	Fe 124	194	129	62	1	2	626,708
30	Boots and shoes, not including rubber boots and shoes.	128	14,730	115	571	374	353	13,317	De 13,871	Ja 12,506	14,059	7,912	5,267	505	375	36,631,318
31	Boxes, cigar	52	1,624	56	45	15	12	1,496	De 1,592	Ja [4] 1,442	1,599	721	812	30	36	1,979,683
32	Boxes, paper and other, not elsewhere specified.	150	5,869	137	251	131	141	5,209	.....	.....	5,882	1,985	3,480	129	288	9,484,919
33	Shipping containers	11	653	4	34	42	24	549	De 693	Mh 463	693	362	312	6	13	1,590,558
34	Set-up paper boxes	117	4,420	114	171	54	90	3,991	De 4,358	Ja 3,670	4,441	1,219	2,863	112	247	5,932,272
35	Cartons	17	712	12	38	34	24	604	De 668	Ja 577	670	371	261	10	28	1,864,578
36	All other	5	84	7	8	1	3	65	Oc [4] 76	Ja 45	78	33	44	1	.....	97,511
37	Boxes, wooden packing, except cigar boxes.	63	1,618	58	111	27	21	1,401	De 1,573	My 1,227	1,562	1,495	25	42	.....	5,420,004
38	Brass, bronze, and copper products	125	4,995	89	339	330	184	4,053	.....	.....	4,479	4,341	132	6	.....	21,815,742
39	Brass and bronze products	112	4,366	80	307	286	171	3,522	De 3,951	Je 3,123	3,948	3,810	132	6	.....	17,896,978
40	Copper products	7	277	7	17	17	6	230	Ja 258	Jy 217	230	230	.....	.....	.....	1,124,398
41	All other	6	352	2	15	27	7	301	Jy 313	Ap 289	301	301	.....	.....	.....	2,794,366
42	Bread and other bakery products	2,651	22,900	2,960	554	2,193	783	16,410	.....	.....	17,255	13,061	3,994	150	50	88,768,438
43	Biscuit and crackers	18	4,446	6	78	460	162	3,740	Ja 4,158	Ap 3,583	3,856	1,786	2,037	14	19	11,587,068
44	All other	2,633	18,454	2,954	476	1,733	621	12,670	De 13,289	Ja 12,006	13,399	11,275	1,957	136	31	77,181,370
45	Brick and tile, terra-cotta, and fire-clay products.	303	17,438	144	738	467	192	15,897	.....	.....	17,034	16,769	126	133	6	74,250,630
46	Building brick	170	5,549	102	315	113	61	4,958	Au 5,656	Fe 3,387	5,764	5,723	18	23	.....	19,165,462
47	Fire brick	76	6,368	12	236	171	69	5,880	Ja 6,702	My 5,567	6,008	5,893	22	92	1	26,003,967
48	Stove lining	6	72	8	3	8	.....	53	Fe [4] 56	My [4] 51	55	55	.....	.....	.....	195,070
49	Sewer pipe and draintile	8	674	1	32	10	5	626	Oc 689	Ja 542	676	662	6	8	.....	2,381,132
50	Terra-cotta products	19	962	12	48	34	19	849	De 1,035	Mh 631	954	864	78	7	5	3,587,014
51	Silicate, magnesite, and bauxite brick and shapes.	21	3,722	.....	98	129	38	3,457	Ja 4,252	My 2,879	3,505	3,502	2	1	.....	22,734,213
52	All other	3	91	9	6	2	.....	74	Ja 89	Jy 63	72	70	.....	2	.....	183,772
53	Brooms	110	748	127	25	38	11	547	.....	.....	640	591	34	7	8	1,661,379
54	From broom corn	102	729	118	25	37	11	538	No 628	Mh 458	629	584	32	5	8	1,625,725
55	All other	8	19	9	.....	1	.....	9	De 11	Ja [4] 7	11	7	2	2	.....	35,654
56	Brushes	40	495	45	43	21	14	372	.....	.....	390	324	57	6	3	1,344,653
57	Paint and varnish	9	225	11	24	4	5	181	Jy 188	My 163	185	143	38	1	3	821,063
58	All other	31	270	34	19	17	9	191	De 203	Ja [4] 180	205	181	19	5	.....	523,590
59	Butter	160	539	167	33	9	23	357	Jy 397	Ja 316	349	337	11	1	.....	2,593,626
60	Buttons	24	904	24	36	26	11	807	No 855	Ap 744	927	557	347	6	17	1,553,839
61	Canning and preserving, fish	4	36	3	6	13	3	11	De 16	My [4] 7	16	14	2	.....	.....	84,141
62	Canning and preserving, fruits and vegetables.	42	829	57	40	14	7	711	.....	.....	2,098	971	1,032	47	48	2,100,567
63	Canned vegetables	36	640	47	33	8	4	548	Se 1,844	Mh 35	1,668	774	817	37	40	1,488,405
64	Canned and dried fruits	6	189	10	7	6	3	163	Se 509	Ja 20	430	197	215	10	8	612,162
65	Card cutting and designing	17	182	18	9	4	4	147	De 162	Ja 135	164	93	62	7	2	313,955
66	Carpets and rugs, other than rag	48	8,188	37	232	196	97	7,626	De 8,813	Fe 5,806	8,915	5,535	3,136	119	125	43,865,640
67	Carpets, rag	56	807	73	24	32	10	668	De 827	Ja 529	827	524	264	13	26	1,196,507
68	Carriage and wagon materials	19	212	16	18	.....	2	176	De 181	Ja 170	179	178	.....	1	.....	519,490
69	Carriages and sleds, children's	12	729	9	21	19	24	656	Se 795	Ja 490	701	331	197	135	38	1,465,830
70	Carriages and wagons, including repairs.	337	1,894	393	65	29	19	1,388	.....	.....	1,385	1,368	5	12	.....	4,436,793
71	Carriages and wagons	146	1,303	176	51	26	17	1,033	Au 1,063	Ja 968	1,002	993	4	5	.....	3,160,256
72	Repair work only	191	591	217	14	3	2	355	Oc 370	Ja 332	383	375	1	7	.....	1,276,537
73	Cars and general shop construction and repairs by electric-railroad companies.	80	4,361	.....	152	73	14	4,122	Ja 4,298	Je 4,023	4,172	4,017	152	3	.....	8,140,200

[1] Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
[2] Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).
[3] No figures given for reasons stated under "Explanation of terms."

COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.										POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.							Electric horsepower generated in establishments reporting.
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
164,637,252	170,125,963	1,406,066,138	45,761,912	21,701,699	222,189,736	3,863,317,807	342,090,821	7,315,702,867	3,105,294,239	4,454,386	2,607,091	562,699	256,067	40,617	987,912	1,681,407	1
220,501	269,487	1,541,228	150	240	125,041	2,420,777	175,504	5,536,111	2,939,830	3,006	1,935	.....	50	100	921	1,486	2
305,449	120,176	618,030	124,014	2,795	228,843	1,964,498	65,816	3,393,738	1,363,424	2,600	.....	.....	.....	.....	2,600	.....	3
39,800	45,191	250,222	25,004	26,601	25,535	576,767	14,169	1,500,689	909,753	53	.....	.....	5	.....	48	.....	4
15,803	14,729	74,007	.....	14,174	931	62,615	1,605	271,172	206,952	59	.....	.....	6	.....	53	.....	5
43,618	25,658	411,354	28,612	8,734	8,937	596,395	20,692	1,443,960	826,873	1,009	215	.....	195	.....	599	.....	6
31,089	47,136	87,624	133,149	4,010	2,600	273,234	8,285	633,575	352,056	377	.....	.....	50	.....	327	20	7
288,673	146,794	1,343,507	.....	12,170	272,955	4,499,627	92,405	7,819,548	3,227,516	2,771	1,490	.....	.....	.....	1,281	847	8
1,106,427	1,215,323	13,146,068	25,086	211,992	1,483,106	24,054,703	653,190	45,329,223	20,621,240	17,950	2,912	150	509	5	14,374	1,183	9
608,533	1,075,566	5,703,126	1,432	121,747	2,632,401	51,220,002	200,847	68,490,911	17,070,002	5,413	628	.....	220	.....	4,565	140	10
527,491	523,794	6,864,510	146,049	698,728	110,659	8,068,450	295,523	20,682,253	12,318,280	7,109	621	.....	1,431	9	5,048	90	11
76,416	29,048	260,018	6,325	29,632	10,776	1,114,267	8,558	1,883,888	761,063	183	.....	.....	.....	.....	183	.....	12
64,830	51,030	313,336	.....	7,882	28,441	1,713,405	24,869	2,445,507	707,233	486	330	.....	65	.....	91	235	13
41,912	33,427	235,137	.....	4,772	23,649	1,284,108	16,683	1,787,221	486,430	392	330	.....	.....	.....	62	235	14
20,918	14,363	67,643	.....	1,005	4,748	326,941	4,408	516,989	185,640	47	.....	.....	20	.....	27	.....	15
2,000	3,240	10,556	.....	2,105	44	102,356	3,778	141,297	35,163	47	.....	.....	45	.....	2	.....	16
34,674	70,315	267,589	.....	19,920	11,798	5,219,440	6,781	6,979,582	1,753,361	202	.....	.....	.....	.....	202	.....	17
25,624	27,558	236,288	400	3,753	61,337	1,178,462	6,754	1,833,856	648,640	281	160	.....	75	.....	46	28	18
4,820	4,272	9,643	.....	1,870	93	142,626	1,584	215,971	71,761	396	380	.....	4	.....	12	1	19
37,769	59,260	267,524	7,249	17,615	5,076	848,538	3,612	1,420,859	577,709	108	40	.....	2	.....	66	.....	20
263,106	246,532	596,653	.....	1,068	147,671	2,584,768	48,575	4,557,899	1,924,556	1,499	425	.....	.....	.....	1,074	.....	21
213,911	182,985	475,205	111,125	44,712	75,028	3,547,550	30,513	5,574,105	1,996,042	597	400	.....	61	.....	136	143	22
4,380	1,616	29,106	.....	3,900	2,326	61,903	730	127,267	64,634	36	.....	.....	.....	.....	36	.....	23
32,537	50,607	62,410	8,251	7,157	4,579	569,737	6,505	949,883	373,641	135	68	.....	37	.....	30	15	24
5,607	5,797	31,233	.....	2,397	652	136,993	4,832	230,397	88,572	84	.....	.....	10	.....	74	.....	25
51,891	10,595	114,486	4,500	1,500	6,364	132,263	22,714	606,982	452,005	252	75	.....	49	.....	128	.....	26
199,100	129,506	1,236,541	9,043	116,373	106,204	1,687,019	33,941	4,537,388	2,816,428	741	.....	.....	16	.....	725	.....	27
90,757	68,881	276,611	.....	7,053	202,446	8,519,755	18,808	11,073,502	2,534,939	495	300	.....	.....	2	193	45	28
18,356	36,003	139,412	75,784	13,586	934	986,104	13,245	1,489,090	489,741	198	.....	.....	10	.....	188	.....	29
1,812,607	1,230,028	10,960,861	197,412	214,409	1,229,327	40,738,156	233,797	65,411,673	24,439,720	6,629	4,156	.....	80	.....	2,393	1,502	30
85,496	30,844	864,930	24,393	12,534	37,235	1,855,397	36,097	3,421,948	1,530,454	1,560	1,086	.....	45	.....	429	25	31
687,664	313,748	3,300,037	20,281	219,937	284,068	6,465,141	143,831	14,002,789	7,393,817	3,188	1,037	15	157	12	1,967	462	32
105,606	73,578	456,247	.....	35,124	13,426	1,298,675	25,416	2,414,682	1,090,591	613	380	.....	.....	.....	233	225	33
455,243	159,910	2,344,159	19,321	146,045	197,395	3,805,446	84,074	8,895,090	5,005,570	1,845	317	15	126	.....	1,387	71	34
118,476	77,979	455,094	960	29,835	73 213	1,298,602	28,553	2,546,720	1,219,565	610	240	.....	27	12	331	79	35
8,339	2,281	44,537	.....	8,933	34	62,418	5,788	146,297	78,091	120	100	.....	4	.....	16	87	36
345,314	62,133	1,531,934	4,864	17,011	82,054	4,540,555	60,850	7,556,989	2,955,584	5,826	4,168	100	135	40	1,383	153	37
1,201,234	624,217	5,161,263	151,964	65,883	871,025	20,721,204	706,111	33,496,320	12,069,005	10,577	3,127	.....	606	.....	6,844	1,621	38
1,092,092	556,265	4,510,410	151,964	55,276	826,365	17,650,994	610,881	28,795,071	10,533,196	7,755	1,352	.....	586	.....	5,817	1,598	39
38,232	23,538	252,637	.....	7,821	6,184	1,010,976	31,543	1,711,257	668,738	340	100	.....	10	.....	230	23	40
70,910	44,414	398,216	.....	2,786	38,476	2,059,234	63,687	2,989,992	867,071	2,482	1,675	.....	10	.....	797	.....	41
1,679,786	4,747,048	17,352,111	115,488	726,329	1,622,385	81,303,416	2,080,447	132,880,426	49,406,563	20,011	5,790	196	1,226	13	12,786	3,875	42
346,636	1,249,217	2,585,630	.....	36,348	440,175	9,887,342	178,474	19,422,607	9,356,791	3,198	2,408	100	5	.....	625	1,638	43
1,333,150	3,497,831	14,766,481	115,488	689,981	1,182,210	71,506,074	1,901,973	113,457,819	40,049,772	16,813	3,322	96	1,221	13	12,161	2,237	44
2,052,499	1,019,954	16,155,084	69,950	70,986	1,040,786	10,164,224	6,347,407	43,842,120	27,330,489	69,211	37,576	1,395	5,673	.....	24,567	2,705	45
677,951	186,658	5,455,421	45,925	43,344	179,127	1,604,718	2,508,120	12,660,019	8,547,181	32,086	15,592	470	4,257	.....	11,767	314	46
696,851	402,159	5,602,944	6,895	4,640	435,567	3,861,889	1,915,899	15,142,139	9,364,351	18,087	13,238	275	768	.....	3,806	1,163	47
20,887	9,666	54,788	6,657	1,200	1,535	70,308	11,712	236,656	154,636	129	80	.....	37	.....	12	.....	48
81,571	21,025	678,620	.....	784	44,419	159,880	209,295	1,611,171	1,241,996	2,170	2,125	25	.....	.....	20	183	49
138,078	58,549	1,026,900	5,343	5,018	21,996	331,105	340,720	2,327,568	1,655,743	4,063	1,846	.....	531	.....	1,686	220	50
423,459	340,160	3,250,087	5,130	13,000	355,715	4,105,723	1,329,104	11,653,091	6,218,264	12,149	4,480	625	80	.....	6,964	825	51
13,702	1,737	86,324	.....	3,000	2 427	30,601	32,557	211,476	148,318	527	215	.....	.....	.....	312	.....	52
60,693	72,025	530,773	4,502	14,717	14,652	1,514,120	20,672	2,638,608	1,103,816	721	190	.....	153	.....	378	48	53
60,693	70,984	520,977	3,536	12,216	14,447	1,465,243	20,536	2,539,628	1,053,849	692	190	.....	150	.....	352	48	54
.....	1,041	9,796	966	2,501	205	48,877	136	98,980	49,967	29	.....	.....	3	.....	26	.....	55
117,772	60,846	327,380	1,578	24,332	14,554	1 047,938	11,354	1,963,650	904,358	267	85	.....	9	.....	173	.....	56
75,299	34,553	163,564	.....	9,760	11,524	641,670	4,240	1,093,700	447,790	132	35	.....	.....	.....	97	.....	57
42,473	26,293	163,816	1,578	14,572	3,030	406,268	7,114	869,950	456,568	135	50	.....	9	.....	76	.....	58
48,527	24,218	334,822	4,548	4,726	20,658	8,212,597	120,403	9,718,065	1,385,065	3,314	2,037	73	106	10	1,088	10	59
202,657	52,548	1,612,661	4,757	32,205	84,624	935,110	27,071	2,318,556	1,356,375	789	250	300	29	.....	210	356	60
2,058	9,182	12,718	120	420	1,050	66,935	2,432	103,535	34,168	1,484	1,400	.....	.....	.....	84	.....	61
91,726	17,859	397,929	862	1,190	22,251	2,295,114	38,207	3,196,331	863,010	1,791	1,588	20	71	.....	112	96	62
77,276	11,849	276,460	862	1,190	20,958	1,489,499	24,995	2,036,625	522,131	1,404	1,268	20	24	.....	92	80	63
14,450	6,010	121,469	.....	.....	1,293	805,615	13,212	1,159,706	340,879	387	320	.....	47	.....	20	16	64
29,217	9,830	119,960	180	16,594	324	249,719	3,920	544,015	290,376	185	.....	.....	28	.....	157	.....	65
1,014,794	679,069	7,976,547	84,621	108,067	1,059,571	26,960,532	571,637	47,479,830	19,947,661	12,446	9,987	1,150	85	.....	1,224	4,755	66
27,608	48,855	407,598	28,273	16,137	12,442	1,072,192	19,368	2,093,912	1,002,352	598	187	.....	20	.....	391	53	67
26,400	1,636	149,660	480	2,962	6,740	417,385	12,984	703,678	273,309	577	340	.....	61	12	164	.....	68
94,954	38,755	566,658	.....	4,710	46,895	1,027,505	15,767	2,365,983	1,322,711	418	255	.....	62	.....	101	42	69
183,077	67,303	1,577,352	16,309	68,952	40,480	1,828,536	82,775	4,830,159	2,918,848	2,704	820	.....	647	37	1,200	.....	70
153,922	61,699	1,145,434	7,288	45,146	29,561	1,314,155	58,982	3,390,136	2,016,999	1,918	785	.....	368	12	753	.....	71
29,155	5,604	431,918	9,021	23,806	10,919	514,381	23,793	1,440,023	901,849	786	35	.....	279	25	447	.....	72
299,780	100,313	4,673,154	42,691	12,130	53,518	3,043,935	72,076	8,306,228	5,190,217	5,199	25	.....	15	.....	5,159	.....	73

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
																Dollars.
1	Cars and general shop construction and repairs by steam-railroad companies.	195	82,347	.....	2,440	300	858	78,749	No 84,367	Ap 71,979	84,359	83,107	1,250	2	.....	108,688,781
2	Cars, steam-railroad, not including operations of railroad companies.	15	13,307	.....	270	1,075	287	11,675	Ja 16,239	Oc 7,394	11,710	11,557	146	7	.....	98,092,625
3	Cement	22	8,971	2	95	1,072	359	7,443	Oc 8,368	Fe 6,310	7,993	7,909	59	25	.....	62,354,245
4	Cheese	64	297	52	27	21	9	188	Jy 232	Fe 153	196	188	7	1	.....	1,243,006
5	Chemicals	56	8,167	5	214	539	275	7,134	De 7,633	Mh 6,602	7,656	6,065	1,508	27	56	52,354,008
6	Chocolate and cocoa products	10	3,618	7	69	224	117	3,231	No 3,576	My 2,851	3,561	2,586	956	4	15	23,604,607
7	Cleansing and polishing preparations.	49	344	44	31	93	38	138	.....	.....	150	67	81	1	1	1,108,979
8	Cleansing preparations	28	159	27	15	23	14	80	De 109	My 68	85	40	43	1	1	801,274
9	Metal polish	8	37	8	3	10	.....	16	(3) 16	(3) 16	18	7	11	.....	.....	52,025
10	All other polishing preparations	13	148	9	13	60	24	42	Se 67	Fe 4 31	47	20	27	.....	.....	255,680
11	Clocks	4	10	2	4	.....	2	2	(3) 2	(3) 2	2	2	.....	.....	.....	52,330
12	Cloth, sponging and refinishing	6	159	7	6	5	3	138	Oc 152	Ja 4 132	151	150	1	.....	.....	236,172
13	Clothing, horse	8	138	7	10	23	1	97	No 4 107	Mh 83	107	63	44	.....	.....	405,139
14	Clothing, men's	602	15,373	915	419	686	498	12,855	.....	.....	14,915	6,407	8,128	163	217	36,535,676
15	Regular factory products	316	10,843	509	345	679	476	8,834	.....	.....	10,120	4,359	5,490	127	144	35,293,031
16	Men's and youths'	233	8,754	367	263	578	414	7,132	De 8,005	Ja 6,224	8,074	3,922	3,901	123	128	29,558,647
17	Boys'	20	365	33	14	27	19	272	Oc 316	Ja 237	323	81	238	1	3	1,335,953
18	All other	63	1,724	109	68	74	43	1,430	No 1,770	Ap 1,033	1,723	356	1,351	3	13	4,398,431
19	Contract work	286	4,530	406	74	7	22	4,021	.....	.....	4,795	2,048	2,638	36	73	1,242,645
20	Men's and youths'	271	4,359	385	70	7	22	3,875	No 4,457	Fe 3,311	4,604	1,975	2,532	36	61	1,201,006
21	Boys'	10	151	15	4	.....	.....	132	Oc 4 164	Ja 107	161	60	89	.....	12	34,714
22	All other	5	20	6	.....	.....	.....	14	Mh 4 19	Jy 4 9	30	13	17	.....	.....	6,925
23	Clothing, men's, buttonholes	15	112	23	.....	.....	.....	89	Oc 94	Ja 4 84	92	32	58	1	1	26,791
24	Clothing, women's	615	17,070	907	504	781	514	14,364	.....	.....	15,589	3,774	11,704	17	94	28,830,229
25	Regular factory products	513	15,645	751	481	774	507	13,132	.....	.....	14,113	3,339	10,680	17	77	28,420,409
26	Suits, skirts, and cloaks	172	3,810	283	114	232	147	3,034	Au 3,564	Ja 2,509	3,291	1,886	1,396	3	6	7,901,755
27	Shirt waists and dresses, except house dresses.	193	6,893	301	184	335	205	5,868	Je 6,310	Ja 4,965	6,158	1,023	5,109	6	20	11,750,554
28	Undergarments and petticoats.	36	1,785	27	80	92	64	1,522	No 1,694	Ja 1,289	1,671	126	1,522	1	22	3,609,195
29	Wrappers and house dresses.	23	705	32	13	31	21	608	De 678	Ja 535	678	58	620	.....	.....	1,809,261
30	All other	89	2,452	108	90	84	70	2,100	De 2,342	Ja 1,919	2,315	246	2,033	7	29	3,349,644
31	Contract work	102	1,425	156	23	7	7	1,232	.....	.....	1,476	435	1,024	.....	17	409,820
32	Suits, skirts, and cloaks	60	536	96	2	4	1	433	Se 538	My 306	508	334	173	.....	1	142,094
33	Shirt waists and dresses, except house dresses.	29	579	48	12	3	5	511	De 653	Ja 431	633	84	547	.....	2	207,420
34	Undergarments and petticoats.	7	170	3	4	.....	1	162	De 202	My 136	197	3	186	.....	8	38,726
35	All other	6	140	9	5	.....	.....	126	De 138	Ja 116	138	14	118	.....	6	21,580
36	Coal-tar products	19	1,938	6	165	297	137	1,333	Ja 1,650	Ap 986	1,622	1,573	47	2	.....	20,225,455
37	Coffee and spice, roasting and grinding.	85	1,001	85	54	257	83	522	.....	.....	587	330	250	6	1	6,548,703
38	Coffee	80	733	84	43	192	71	343	Se 346	Ja 4 341	344	226	111	6	1	4,880,157
39	Spice	5	268	1	11	65	12	179	De 243	Fe 101	243	104	139	.....	.....	1,668,546
40	Coffins, burial cases, and undertakers' goods.	41	2,148	42	113	120	49	1,824	My 1,877	De 1,752	1,784	1,468	299	14	3	8,237,756
41	Coke, not including gas-house coke	123	13,050	38	366	935	175	11,536	.....	.....	12,472	12,463	3	6	.....	125,341,038
42	Ovens, other than by-product ovens.	112	8,865	38	213	542	103	7,969	Ja 9,441	Je 6,679	8,533	8,527	.....	6	.....	73,794,794
43	By-product ovens	11	4,185	.....	153	393	72	3,567	Au 4,254	Je 3,180	3,939	3,936	3	.....	.....	51,546,244
44	Condensed milk	49	1,602	9	89	75	74	1,355	Jy 1,559	Ja 1,086	1,317	1,155	157	5	.....	9,600,179
45	Confectionery and ice cream	839	13,701	940	461	724	566	11,010	.....	.....	11,756	5,842	5,485	209	220	36,859,964
46	Confectionery	363	9,270	391	287	423	284	7,885	Oc 8,329	Je 7,319	8,755	3,130	5,212	194	219	18,978,005
47	Ice cream	476	4,431	549	174	301	282	3,125	Jy 3,854	Ja 2,491	3,001	2,712	273	15	1	17,881,959
48	Cooperage	92	1,367	90	67	27	23	1,160	.....	.....	1,222	1,176	20	26	.....	5,233,151
49	Hogsheads and barrels	84	1,185	84	56	25	20	1,000	Oc 1,067	My 931	1,060	1,042	13	5	.....	4,760,868
50	All other	8	182	6	11	2	3	160	Ja 190	Ap 139	162	134	7	21	.....	472,283
51	Copper, tin, and sheet-iron work	453	3,934	552	209	166	124	2,883	De 3,054	Mh 2,676	3,050	2,964	62	22	2	8,913,180
52	Cordage and twine	19	2,082	6	46	46	14	1,970	Oc 2,135	Mh 1,683	2,144	1,113	982	20	29	9,443,941
53	Cordials and flavoring sirups	10	383	5	13	99	41	225	Jy 329	Ja 148	251	220	31	.....	.....	1,869,535
54	Cork, cutting	11	1,747	5	64	66	42	1,570	Fe 1,615	Je 1,523	1,601	978	554	23	46	6,612,020
55	Corsets	13	928	7	34	9	180	698	No 828	Ja 529	804	97	691	2	14	802,338
56	Cotton goods	118	10,618	110	331	235	175	9,767	De 10,611	Fe 8,734	10,700	5,653	4,772	134	141	45,864,475
57	Cotton lace	13	3,487	2	92	175	78	3,140	De 3,504	My 2,875	3,575	1,512	1,712	176	175	17,230,889
58	Cotton small wares	37	2,687	33	75	51	56	2,472	De 2,723	Fe 2,254	2,696	970	1,648	25	53	7,460,378
59	Crucibles	7	213	.....	29	14	8	162	De 189	Au 4 147	190	185	5	.....	.....	2,473,906
60	Cutlery and edge tools	27	1,475	13	77	46	32	1,307	.....	.....	1,455	1,291	148	14	2	5,006,909
61	Axes and hatchets	8	775	5	27	19	13	711	Oc 793	De 377	795	739	53	3	.....	3,629,880
62	Scissors, shears, and clippers	4	104	4	6	2	4	88	No 4 100	Ap 61	101	97	3	1	.....	247,648
63	Pocketknives	5	405	.....	22	20	10	353	De 394	Ja 330	394	296	86	10	2	802,424
64	All other	10	191	4	22	5	5	155	No 170	Jy 145	165	159	6	.....	.....	326,957
65	Dairymen's and poultrymen's supplies.	17	823	8	58	36	32	689	De 763	My 624	750	688	58	4	.....	3,788,933
66	Dental goods	56	3,460	57	133	182	235	2,853	.....	.....	2,972	1,013	1,611	116	232	9,238,687
67	Teeth	13	3,010	9	103	162	193	2,543	Jy 2,655	Ja 2,343	2,643	794	1,524	93	232	8,430,222
68	All other	43	450	48	30	20	42	310	De 330	Ja 284	329	219	87	23	.....	808,465
69	Drug grinding	4	79	3	10	8	8	50	No 4 55	My 46	55	51	4	.....	.....	422,439
70	Druggists' preparations	62	3,235	34	97	586	303	2,215	Oc 2,312	Je 2,045	2,298	1,217	1,042	18	21	13,128,039
71	Dyeing and finishing textiles, exclusive of that done in textile mills.	163	8,290	142	266	311	190	7,381	De 8,362	Mh 6,395	8,399	6,700	1,557	85	57	29,805,844
72	Dyestuffs and extracts—natural	12	519	4	29	33	27	426	No 463	My 391	452	451	.....	1	.....	3,721,936
73	Electrical machinery, apparatus, and supplies.	129	32,601	60	1,291	4,366	2,656	24,228	De 27,817	My 21,791	27,860	23,101	4,625	86	48	126,115,738

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.										POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.						Electric horsepower generated in establishments reporting.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*								
6,022,612	4,314,836	115,028,406	.....	64,875	177,474	98,479,050	4,684,467	231,533,870	128,370,353	90,678	64,216	6,907	1,296	.....	18,259	61,786	1
1,201,367	2,485,003	16,737,740	.....	13,993	6,302,131	87,425,755	1,440,929	146,879,011	58,012,327	43,044	21,434	7,933	675	.....	13,002	29,724	2
1,391,345	2,054,980	9,594,037	53,449	692,872	1,168,463	16,289,288	9,084,447	54,539,872	29,166,137	98,058	79,671	12,759	22	.....	5,606	25,991	3
46,678	45,430	216,481	1,382	2,791	13,400	2,992,964	42,759	3,817,471	781,748	1,625	1,367	16	77	12	153	.....	4
1,190,401	1,191,699	9,854,310	95,369	18,496	12,076,417	24,723,050	2,058,100	73,332,932	46,551,782	30,334	9,741	5,557	400	.....	14,636	8,578	5
594,422	611,040	3,531,375	.....	1,080	3,652,873	31,799,653	462,611	48,660,497	16,398,233	11,025	7,675	.....	1,500	.....	1,850	7,477	6
95,061	133,389	92,414	3,143	23,105	43,422	773,197	10,786	1,488,095	704,112	391	84	.....	87	.....	220	.....	7
67,596	33,211	58,405	2,451	9,202	41,942	566,019	6,239	1,015,996	443,738	222	84	.....	71	.....	67	.....	8
6,300	11,104	10,711	.....	3,348	27	88,819	240	155,320	66,261	17	.....	.....	.....	.....	17	.....	9
21,165	89,074	23,208	692	10,465	1,453	118,350	4,307	316,779	194,113	152	.....	.....	16	.....	136	.....	10
4,250	928	2,584	150	1,560	311	35,543	394	39,444	3,507	27	.....	.....	27	.....	.....	.....	11
24,492	11,240	111,503	.....	12,974	2,351	20,717	12,906	238,261	195,638	281	150	.....	.....	.....	131	.....	12
37,948	8,588	49,141	7,766	4,419	652	270,303	5,666	447,042	171,073	98	72	.....	.....	.....	26	.....	13
1,352,169	1,696,230	11,777,050	5,868,712	649,693	467,522	37,976,089	233,813	73,169,811	34,959,909	3,323	1,118	.....	248	12	1,945	352	14
1,187,899	1,671,845	8,014,904	5,538,777	542,631	461,733	37,341,536	155,526	66,800,874	29,303,812	2,608	1,085	.....	197	12	1,314	330	15
982,876	1,481,296	6,964,522	5,267,098	461,278	425,087	31,155,218	127,527	57,485,842	26,203,097	2,017	1,077	.....	31	12	897	324	16
21,354	52,663	205,852	127,815	25,211	3,644	1,115,958	5,728	1,901,161	779,475	57	.....	.....	5	.....	52	.....	17
183,669	137,886	844,530	143,864	56,142	33,002	5,070,360	22,271	7,413,871	2,321,240	534	8	.....	161	.....	365	6	18
164,270	24,385	3,762,146	329,935	107,062	5,789	634,553	78,287	6,368,937	5,656,097	715	33	.....	51	.....	631	22	19
160,564	24,385	3,660,464	329,367	103,336	5,697	633,648	76,058	6,213,485	5,503,779	667	15	.....	45	.....	607	22	20
3,706	.....	92,600	568	2,471	92	823	1,923	139,743	136,997	36	18	.....	6	.....	12	.....	21
.....	.....	9,082	.....	1,255	.....	82	306	15,709	15,321	12	.....	.....	.....	.....	12	.....	22
.....	.....	82,416	750	4,721	165	17,854	1,067	146,696	127,775	33	.....	.....	.....	.....	33	.....	23
1,590,718	2,030,116	14,325,884	2,407,878	766,276	296,081	46,038,020	179,066	77,473,729	31,256,643	3,223	485	.....	43	.....	2,695	114	24
1,559,480	2,019,137	13,215,228	1,905,156	722,360	289,760	45,698,052	159,862	75,430,508	29,572,594	2,925	470	.....	38	.....	2,417	114	25
406,488	567,213	3,803,910	907,249	211,655	78,736	15,765,339	35,235	24,878,466	9,077,892	508	10	.....	.....	.....	498	.....	26
487,899	853,343	6,810,171	723,861	351,563	29,009	18,494,232	64,863	31,455,513	12,896,418	1,229	125	.....	.....	.....	1,104	4	27
338,642	240,261	867,142	145,088	46,811	147,115	5,227,781	25,300	8,263,337	3,010,256	461	210	.....	2	.....	249	110	28
49,985	122,696	427,874	42,434	24,595	20,282	1,793,752	8,207	2,988,473	1,186,514	317	125	.....	.....	.....	192	.....	29
276,466	235,624	1,306,131	86,524	87,736	14,618	4,416,948	26,257	7,844,719	3,401,514	410	.....	.....	36	.....	374	.....	30
31,238	10,979	1,110,656	502,722	43,916	6,321	339,968	19,204	2,043,221	1,684,049	293	15	.....	5	.....	278	.....	31
3,700	4,884	637,356	500,710	26,005	4	162,724	8,559	1,163,630	992,347	127	.....	.....	.....	.....	127	.....	32
18,940	4,685	314,693	.....	12,481	110	56,180	6,865	507,733	444,688	102	.....	.....	.....	.....	102	.....	33
4,918	1,410	70,142	.....	2,490	6,164	116,530	1,860	247,982	129,592	43	15	.....	.....	.....	28	.....	34
3,680	.....	88,465	2,012	2,850	43	4,534	1,920	123,876	117,422	26	.....	.....	5	.....	21	.....	35
340,449	374,155	2,384,077	.....	31,325	214,820	5,777,822	431,863	9,492,331	3,282,646	8,610	1,208	533	.....	.....	6,869	250	36
227,202	596,286	435,101	6,010	80,601	50,137	11,874,909	68,640	14,676,878	2,732,329	1,783	307	.....	253	.....	1,223	36	37
164,442	427,378	305,677	6,010	72,881	40,436	10,039,841	53,698	12,191,075	2,097,536	1,194	15	.....	233	.....	946	34	38
62,760	168,908	129,424	.....	7,720	9,701	1,835,068	14,942	2,484,803	634,793	589	292	.....	20	.....	277	2	39
306,583	260,952	1,824,382	954	43,467	585,377	4,584,922	79,467	9,311,901	4,647,512	3,120	1,585	.....	152	.....	1,383	1,506	40
1,433,758	1,808,628	15,553,532	6,918	127,519	2,170,358	10,560,096	69,793,625	119,730,589	39,376,868	72,752	17,435	40,608	.....	.....	14,709	53,942	41
762,117	1,020,844	9,379,779	6,918	127,287	1,455,561	5,678,448	42,916,012	70,169,342	21,574,882	17,630	9,267	1,363	.....	.....	7,000	9,641	42
671,641	787,784	6,173,753	.....	232	714,797	4,881,648	26,877,613	49,561,247	17,801,986	55,122	8,168	39,245	.....	.....	7,709	44,301	43
255,712	185,322	1,331,790	27,005	4,865	348,246	24,532,318	448,183	31,028,725	6,048,224	4,790	4,153	.....	16	5	616	1,297	44
2,145,452	1,742,556	8,953,733	31,586	485,816	2,556,826	41,411,279	1,118,612	71,120,044	28,590,153	26,742	7,487	258	3,641	2	15,354	2,526	45
1,595,794	1,073,716	5,380,644	12,861	344,782	1,815,358	23,176,753	399,224	41,398,799	17,822,822	8,399	3,008	.....	269	.....	5,122	965	46
548,658	668,840	3,573,089	18,725	141,034	741,468	18,234,526	719,388	29,721,245	10,767,331	18,343	4,479	258	3,372	2	10,232	1,561	47
227,861	64,178	1,282,509	148	44,260	169,623	6,745,147	55,713	9,873,569	3,072,709	2,948	1,927	140	168	23	690	1,989	48
198,137	59,275	1,156,790	148	43,780	135,274	6,068,112	50,090	8,908,538	2,790,336	2,808	1,887	140	168	23	590	1,989	49
29,724	4,903	125,719	.....	480	34,349	677,035	5,623	965,031	282,373	140	40	.....	.....	.....	100	.....	50
600,234	333,030	3,669,587	53,454	156,136	171,276	6,941,297	93,004	14,824,359	7,790,058	2,340	535	.....	536	3	1,266	720	51
369,260	94,249	1,723,360	267	43,860	102,623	5,858,552	109,739	9,843,454	3,875,163	5,283	4,735	.....	185	60	303	845	52
85,468	233,974	200,436	.....	32,721	120,007	1,722,635	28,611	3,334,628	1,583,382	473	435	.....	.....	1	37	223	53
159,031	120,766	1,550,860	915	7,443	214,014	3,440,180	158,564	6,371,439	2,772,695	4,504	1,321	.....	.....	.....	3,183	1,075	54
79,131	133,451	359,924	64	15,828	26,213	884,224	9,379	2,071,856	1,178,253	197	.....	.....	.....	.....	197	.....	55
1,675,731	737,179	10,200,630	552,787	234,400	2,937,456	38,076,870	742,873	66,404,059	27,584,316	21,504	15,504	670	123	359	4,848	2,817	56
377,144	731,189	2,776,982	46,112	480	561,538	6,216,894	193,423	14,813,995	8,403,678	5,185	4,483	.....	40	.....	662	1,381	57
398,388	173,773	1,693,962	49,014	44,909	259,615	5,589,452	106,054	9,363,572	3,668,066	2,054	1,211	.....	20	.....	823	263	58
174,513	32,924	195,314	.....	2,400	84,848	648,572	31,965	1,580,289	899,752	881	277	.....	.....	.....	604	.....	59
225,103	72,409	1,343,639	.....	8,859	183,523	1,606,512	130,156	4,346,759	2,610,091	5,330	3,245	20	325	6	1,734	2,834	60
105,708	44,064	751,188	.....	.....	161,166	1,206,238	95,527	2,871,004	1,569,239	4,234	2,885	20	.....	4	1,325	2,690	61
19,257	5,083	97,408	.....	2,070	7,110	99,556	9,901	279,918	170,461	237	100	.....	.....	.....	137	.....	62
66,260	12,628	345,909	.....	564	11,303	176,901	12,379	787,842	598,562	501	.....	.....	291	.....	210	144	63
33,878	10,634	149,134	.....	6,225	3,944	123,817	12,349	407,995	271,829	358	260	.....	34	2	62	.....	64
141,449	65,802	767,868	.....	4,702	27,053	1,104,067	39,482	2,380,747	1,237,198	1,287	717	21	127	.....	422	250	65
523,315	432,439	2,124,054	3,842	64,314	722,895	3,184,940	90,579	9,299,892	6,024,373	1,000	643	.....	38	.....	319	384	66
452,911	393,333	1,805,163	65	44,242	697,189	2,055,092	81,314	7,289,418	5,153,012	841	643	.....	6	.....	192	384	67
75,404	39,106	318,891	3,777	20,072	25,706	1,129,848	9,265	2,010,474	871,361	159	.....	.....	32	.....	127	.....	68
13,808	15,450	61,856	.....	4,480	5,152	436,744	8,076	680,680	185,860	359	80	.....	50	.....	229	.....	69
403,020	1,605,777	1,997,516	2,715	25,500	304,139	4,719,348	89,077	12,606,051	7,797,626	1,821	1,425	.....	41	.....	355	1,086	70
1,875,048	702,856	8,120,917	477,192	234,733	1,268,389	18,174,670	1,539,901	42,475,000	22,760,429	18,140	13,850	920	32	45	3,293	3,241	71
112,563	78,223	445,579	.....	6,371	66,222	2,793,103	60,419	3,800,246	937,724	4,145	3,893	.....	157	.....	95	1,051	72
3,826,361	10,095,492	30,031,295	85,531	176,416	10,011,888	49,485,481	1,872,161	132,673,856	81,316,214	58,366	4,202	33,930	1,257	.....	18,977	62,108	73

[1] Same number reported throughout the year.
[2] Same number reported for one or more other months.

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
																Dollars.
1	Electroplating	37	242	46	13	5	6	172	No 196	Ja 158	197	191	2	4	.....	244,776
2	Emery and other abrasive wheels	7	369	1	25	30	27	286	Ja 347	Jy 244	312	300	12	.....	.....	1,586,591
3	Enameling	5	25	4	1	1	1	18	No 21	Fe 13	18	17	.....	1	.....	30,307
4	Engines, steam, gas, and water	34	12,358	19	318	1,512	798	9,711	De 10,571	My 8,989	10,625	10,423	188	14	.....	58,544,641
5	Engraving and diesinking	57	170	63	4	2	5	96	De 114	Fe 86	111	97	11	3	.....	198,009
6	Engraving, steel and copper plate, including plate printing.	54	1,221	48	58	84	93	938	De 1,070	Ja 873	1,054	494	486	41	33	2,302,541
7	Engraving, wood	4	6	4	.....	.....	.....	2	(3) 2	(3) 2	2	2	.....	.....	.....	2,715
8	Envelopes	11	568	6	34	31	24	473	Ja 489	My 463	485	165	310	3	7	1,288,123
9	Explosives	26	1,755	27	113	331	67	1,217	Ja 1,490	Ap 1,094	1,290	1,188	102	.....	.....	15,037,033
10	Fancy articles, not elsewhere specified.	38	720	40	25	20	22	613	.....	.....	682	179	475	16	12	1,555,841
11	Metal novelties	10	122	7	8	16	9	82	Se 97	Ja 59	93	41	47	3	2	767,014
12	Paper and wood novelties	7	228	5	10	2	7	204	De 218	Ja 192	220	62	141	9	8	399,900
13	All other	21	370	28	7	2	6	327	De 362	Ja 297	369	76	287	4	2	388,927
14	Feathers and plumes	6	72	7	2	3	3	57	Jy 82	Ja 39	59	9	50	.....	.....	53,974
15	Felt goods	4	210	.....	8	7	6	189	Ap 219	Ja 164	202	180	22	.....	.....	1,018,920
16	Ferroalloys	10	1,679	7	34	106	32	1,500	Ja 1,714	Jy 1,349	1,715	1,707	7	1	.....	28,070,783
17	Fertilizers	31	1,315	26	82	137	49	1,021	Ja 1,359	Je 777	901	894	7	.....	.....	8,657,049
18	Files	6	1,486	1	27	55	47	1,356	Ja 1,498	Je 1,205	1,448	1,050	366	28	4	3,759,972
19	Flags and banners	9	255	13	9	6	12	215	Ja 300	De 156	154	48	98	2	6	885,248
20	Flavoring extracts	41	144	39	18	24	8	55	Jy 61	Ap 44	61	44	14	3	.....	444,755
21	Flour-mill and gristmill products	1,138	4,113	1,402	206	195	112	2,198	De 2,349	Fe 2,133	2,358	2,325	25	8	.....	32,373,587
22	Food preparations, not elsewhere specified.	145	2,155	158	124	308	83	1,482	.....	.....	1,677	1,276	390	5	6	9,739,889
23	Macaroni, vermicelli, and noodles	44	710	46	28	35	10	591	De 631	Jy 539	640	521	117	2	.....	2,181,134
24	Meat products, not elsewhere specified.	11	156	12	11	34	11	88	Oc 4 98	Ap 4 79	93	66	22	2	3	275,479
25	Peanut butter	6	68	8	10	3	3	44	Ap 4 46	De 41	41	17	23	1	.....	157,998
26	Sweetening sirups, other than cane.	9	221	8	16	36	13	148	No 169	Ap 132	165	122	43	.....	.....	1,241,160
27	All other, for human consumption	56	716	65	42	158	37	414	Jy 486	Ja 319	514	328	183	.....	3	3,769,119
28	For animals and fowls	19	284	19	17	42	9	197	De 223	Fe 178	224	222	2	.....	.....	2,114,999
29	Foundry and machine-shop products.	1,267	85,615	957	4,022	6,417	3,132	71,087	.....	.....	77,079	75,067	1,660	322	30	407,946,937
30	Boiler shops	75	5,459	58	280	366	139	4,616	De 5,258	Au 4,200	5,184	5,175	7	2	.....	27,732,102
31	Foundries	174	14,761	116	691	541	289	13,124	De 14,963	My 11,795	14,837	14,378	335	103	21	52,906,687
32	Machine shops	867	40,891	672	2,056	3,523	1,732	32,908	De 35,600	My 31,288	35,600	34,602	932	148	8	222,647,842
33	Machine shop and foundry combined.	151	24,504	111	995	1,987	972	20,439	Ja 23,845	Je 19,077	21,368	20,912	386	69	1	104,660,306
34	Foundry supplies	15	307	1	40	19	10	237	Ja 275	My 218	230	222	1	7	.....	2,638,671
35	Fur goods	95	690	111	24	45	96	414	De 518	Ap 343	519	276	232	8	3	3,535,331
36	Furnishing goods, men's	49	1,925	49	59	58	38	1,721	.....	.....	1,964	188	1,670	23	83	2,364,458
37	Neckwear	18	514	22	20	37	21	414	De 466	Ja 4 382	461	68	388	5	.....	747,498
38	All other	28	1,411	27	39	21	17	1,307	De 1,522	Ja 1,176	1,503	120	1,282	18	83	1,616,960
39	Furniture	335	12,587	327	573	466	267	10,954	.....	.....	12,192	11,153	910	116	13	30,433,891
40	Wood	268	10,927	251	478	366	198	9,634	De 10,804	Ja 8,443	10,738	9,763	862	104	9	26,928,813
41	Rattan and willow	7	81	6	3	1	3	68	Oc 79	Fe 48	79	47	24	5	3	97,744
42	Metal	10	539	9	28	53	33	416	Ja 437	Se 396	418	393	22	2	1	1,454,166
43	Store and office fixtures	50	1,040	61	64	46	33	836	De 972	Ja 710	957	950	2	5	.....	1,953,168
44	Galvanizing	9	281	2	22	12	8	237	Fe 287	Oc 198	218	216	2	.....	.....	573,873
45	Gas and electric fixtures	42	788	44	87	37	43	577	.....	.....	714	599	108	6	1	1,614,442
46	Gas fixtures	10	132	11	8	3	4	106	Ja 4 118	My 86	119	34	81	3	1	229,451
47	Electric fixtures	12	387	10	30	24	29	294	De 370	Ja 236	352	338	13	1	.....	886,875
48	Combination gas and electric fixtures.	13	130	20	38	8	6	58	De 73	Fe 4 51	82	82	.....	.....	.....	221,859
49	All other	7	139	3	11	2	4	119	De 162	Ja 4 88	161	145	14	2	.....	276,257
50	Gas, illuminating and heating	86	4,823	2	246	900	351	3,324	Ja 3,532	Au 3,223	3,360	3,350	9	1	.....	91,878,192
51	Gas machines and gas and water meters.	13	1,437	.....	59	125	57	1,196	.....	.....	1,293	1,218	71	3	1	5,029,700
52	Gas meters and water meters	8	1,167	.....	42	85	51	989	De 1,171	My 877	1,074	1,009	61	3	1	3,815,867
53	All other	5	270	.....	17	40	6	207	De 219	Ja 185	219	209	10	.....	.....	1,213,833
54	Glass	102	23,490	18	718	572	580	21,602	No 24,944	Jy 18,809	26,764	23,502	2,675	457	130	71,852,560
55	Glass, cutting, staining, and ornamenting.	94	1,710	87	78	94	67	1,384	.....	.....	1,587	991	553	21	22	4,216,397
56	Decalcomania work	12	375	11	11	3	10	340	De 400	Ja 249	404	115	281	.....	8	532,222
57	All other	82	1,335	76	67	91	57	1,044	De 1,189	Ja 891	1,183	876	272	21	14	3,684,175
58	Gloves and mittens, cloth, not including gloves made in textile mills.	19	488	6	28	9	7	438	Ja 653	Ap 296	610	70	530	4	6	616,102
59	Gloves and mittens, leather	6	134	4	8	7	3	112	No 148	Mh 92	144	47	82	3	12	247,543
60	Glue, not elsewhere specified	7	651	4	26	34	20	570	De 648	Jy 445	648	599	49	.....	.....	4,538,762
61	Gold and silver, reducing and refining, not from the ore.	7	20	6	3	.....	2	9	(3) 9	(3) 9	9	8	1	.....	.....	113,109
62	Graphite, ground and refined	5	59	3	8	.....	3	45	Ap 4 53	De 37	44	44	.....	.....	.....	504,455
63	Grease and tallow, not including lubricating greases.	61	1,398	65	70	68	10	1,185	.....	.....	1,202	1,073	127	2	.....	4,912,687
64	Soap stock	15	799	13	33	17	1	735	Fe 806	No 667	729	603	126	.....	.....	1,218,012
65	Tallow	36	475	41	34	42	7	351	De 361	Mh 339	369	366	1	2	.....	3,023,900
66	All other	10	124	11	3	9	2	99	No 103	Jy 93	104	104	.....	.....	.....	670,775
67	Haircloth	14	403	14	19	18	13	339	No 4 390	Ap 292	377	200	175	1	1	2,211,732
68	Hair work	22	152	26	3	7	6	110	Se 121	Ap 102	106	28	71	.....	7	314,191
69	Hand stamps	27	478	26	27	54	42	329	No 355	Au 276	352	265	74	13	.....	978,489
70	Hardware	62	4,659	49	144	186	168	4,112	.....	.....	4,408	3,379	762	179	88	11,931,603
71	Locks	11	1,284	8	37	42	78	1,119	No 1,190	Je 1,045	1,156	774	245	73	64	2,729,345
72	Builders'	17	2,106	14	47	87	45	1,913	De 2,073	Ap 1,742	2,077	1,617	370	74	16	6,656,428
73	All other	34	1,269	27	60	57	45	1,080	De 1,132	Ja 978	1,175	988	147	32	8	2,545,830
74	Hats and caps, other than felt, straw, and wool.	73	1,012	105	44	68	25	770	De 929	Ap 642	928	552	367	5	4	2,444,383

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

COMBINED AND SPECIFIED INDUSTRIES: 1919.—Continued.

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

EXPENSES. Salaries and wages. Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent and taxes. Rent of factory.	Taxes, Federal, state, county, and local.	For materials. Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	POWER. Primary horsepower. Total.	Owned. Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
24,520	8,538	212,917	250	22,983	526	98,172	15,746	533,035	419,117	427	115	.....	80	.....	232	.....	1
109,304	104,887	335,624	.....	1,926	36,954	456,754	44,757	1,404,753	903,242	653	484	.....	2	.....	167	482	2
2,730	1,611	21,735	250	2,496	189	34,737	4,294	81,341	42,310	48	.....	.....	.....	.....	48	.....	3
1,262,931	3,626,299	12,933,325	14,256	3,987	4,028,108	17,931,400	904,359	52,574,026	33,738,267	30,179	2,913	15,100	2,565	.....	9,601	25,340	4
17,000	5,057	111,107	5,007	11,537	1,635	44,768	7,097	379,702	327,837	107	15	.....	22	.....	70	.....	5
178,612	247,965	872,306	17,691	51,449	24,718	964,688	21,414	3,213,669	2,227,567	464	.....	.....	16	.....	448	.....	6
.....	.....	3,200	.....	900	.....	750	95	10,846	10,001	.....	.....	.....	.....	.....	.....	.....	7
120,102	60,525	375,228	.....	42,463	33,454	837,562	15,489	1,903,478	1,050,427	466	.....	.....	35	.....	431	.....	8
486,387	764,366	1,583,890	.....	2,370	352,640	5,821,596	281,385	11,446,493	5,343,512	6,897	3,957	38	14	405	2,483	1,179	9
93,830	77,812	326,028	20,263	25,096	22,428	1,079,011	17,612	2,158,938	1,062,315	239	.....	.....	30	.....	209	.....	10
38,050	61,459	64,710	2,136	12,303	10,359	470,648	3,065	980,462	506,749	61	.....	.....	.....	.....	61	.....	11
43,506	11,116	133,870	7,514	5,914	11,383	271,029	8,724	572,142	291,789	104	.....	.....	.....	.....	104	.....	12
12,274	5,237	127,448	10,613	6,879	686	336,734	5,823	606,334	263,777	74	.....	.....	30	.....	44	.....	13
2,340	7,378	34,671	.....	4,496	143	38,649	662	132,551	93,240	4	.....	.....	.....	.....	4	.....	14
35,542	14,792	241,194	.....	6,554	73,161	1,065,505	28,775	1,805,832	711,552	736	600	.....	.....	100	36	35	15
274,707	326,915	2,553,609	5,140	6,900	465,503	19,360,571	4,200,322	31,419,460	7,858,567	26,831	25,385	.....	.....	.....	1,446	18,774	16
253,448	260,481	1,149,672	7,079	14,501	121,587	5,577,840	267,207	8,731,281	2,886,234	5,077	2,464	150	48	73	2,342	1,462	17
151,802	73,532	1,350,402	.....	8,920	725,551	685,206	136,256	3,873,777	3,052,315	2,353	1,275	.....	.....	.....	1,078	120	18
48,914	23,732	159,372	4,855	2,852	61,142	1,074,318	5,388	1,525,128	445,422	182	125	.....	25	.....	32	.....	19
53,250	41,093	53,459	4,229	12,093	13,305	666,576	8,045	1,025,842	351,221	54	8	.....	4	.....	42	.....	20
469,996	420,996	2,259,132	8,884	103,521	226,614	59,440,485	544,302	69,446,449	9,461,662	55,928	14,734	180	8,333	23,093	9,588	454	21
364,299	358,518	1,265,844	5,975	77,404	142,046	14,749,633	205,741	19,434,249	4,478,875	5,831	2,047	.....	454	120	3,210	98	22
61,311	53,890	444,125	5,875	14,368	20,484	2,261,649	54,315	3,551,997	1,236,033	1,606	475	.....	235	120	776	55	23
20,420	53,218	77,336	.....	9,688	2,351	1,091,219	7,457	1,349,849	251,173	200	80	.....	8	.....	112	.....	24
21,892	7,730	27,840	.....	3,120	10,595	313,973	5,129	461,854	142,752	97	.....	.....	3	.....	94	.....	25
71,949	53,141	137,371	.....	27,656	50,722	1,921,170	15,411	2,547,154	610,573	426	370	.....	.....	.....	56	42	26
129,323	117,117	367,055	100	16,930	46,928	4,755,456	86,722	6,400,337	1,558,159	1,820	342	.....	109	.....	1,369	.....	27
59,404	73,422	212,117	.....	5,642	10,966	4,406,166	36,707	5,123,058	680,185	1,682	780	.....	99	.....	803	1	28
15,155,539	13,027,377	92,924,297	317,636	815,346	16,445,744	153,117,684	7,349,569	366,383,144	205,915,891	184,377	55,896	7,621	17,965	2,014	100,881	74,981	29
1,248,958	772,268	6,237,794	38,723	17,451	1,357,256	10,207,492	501,977	24,844,076	14,134,607	16,292	6,770	143	3,990	.....	5,389	7,687	30
2,331,666	1,125,426	17,058,996	3,261	113,470	2,105,469	28,756,656	2,107,463	62,131,238	31,267,109	38,235	13,464	.....	1,482	209	23,080	9,333	31
7,746,555	6,691,874	43,229,702	272,836	600,776	6,529,449	77,161,216	2,651,540	177,533,707	97,720,951	81,221	21,794	1,133	8,067	1,767	47,860	27,105	32
3,828,462	4,437,809	26,397,805	2,816	83,649	6,393,570	36,992,310	2,088,589	101,874,123	62,793,224	48,629	13,868	6,345	3,826	38	24,552	30,856	33
104,733	42,372	257,794	.....	6,421	101,227	660,191	72,257	1,602,422	869,974	1,922	1,240	.....	126	100	456	139	34
75,410	121,882	595,134	16,354	120,533	36,741	2,518,021	13,501	4,302,844	1,771,322	112	.....	.....	4	.....	108	.....	35
172,547	223,884	1,011,061	4,621	42,447	64,489	3,040,004	22,836	5,398,666	2,335,826	374	70	.....	25	.....	279	51	36
68,332	147,833	272,915	4,621	21,843	7,123	1,162,558	5,105	2,063,038	895,375	62	.....	.....	.....	.....	62	.....	37
104,215	76,051	738,746	.....	20,604	57,366	1,877,446	17,731	3,335,628	1,440,451	312	70	.....	25	.....	217	51	38
1,873,433	942,043	11,078,701	37,107	213,243	689,319	19,242,986	536,329	42,343,850	22,564,535	23,599	15,716	510	705	105	6,563	3,806	39
1,568,334	764,901	9,363,070	28,833	163,257	622,788	16,587,903	462,242	36,387,021	19,336,876	20,915	14,831	510	543	105	4,926	3,188	40
8,448	3,203	56,977	.....	3,684	80	75,688	1,144	199,152	122,320	30	.....	.....	.....	.....	30	.....	41
96,610	89,683	521,247	.....	11,406	48,727	1,215,005	28,103	2,409,523	1,166,415	805	570	.....	60	.....	175	613	42
200,041	84,196	1,137,407	8,274	34,896	17,724	1,364,390	44,840	3,348,154	1,938,924	1,849	315	.....	102	.....	1,432	5	43
67,949	19,948	280,821	.....	23,390	5,789	778,776	27,673	1,259,063	452,614	172	13	.....	.....	.....	159	.....	44
149,881	92,762	534,501	18,118	29,024	3,446	866,662	33,619	2,299,258	1,398,977	679	255	.....	137	.....	287	.....	45
17,872	7,123	68,031	323	4,474	1,267	189,514	7,959	433,277	235,804	109	.....	.....	25	.....	84	.....	46
102,699	67,546	310,494	.....	12,251	1,200	339,245	16,302	1,110,549	755,002	327	255	.....	17	.....	55	.....	47
7,280	12,713	70,805	16,370	6,778	436	188,714	3,458	416,401	224,229	139	.....	.....	45	.....	94	.....	48
22,030	5,380	85,081	1,425	5,521	543	149,189	5,000	339,031	183,942	104	.....	.....	50	.....	54	.....	49
570,693	1,384,168	4,240,772	170	3,212,869	627,295	8,951,978	8,377,993	31,598,131	14,268,160	16,671	8,009	7,280	928	.....	454	3,837	50
239,027	175,534	1,307,834	37,951	23,063	135,868	1,874,655	48,439	5,731,811	3,808,717	1,449	220	60	305	.....	864	.....	51
153,897	143,383	1,087,550	.....	11,683	104,928	1,561,769	39,641	4,700,465	3,099,055	1,111	220	60	297	.....	534	.....	52
85,130	32,151	220,284	37,951	11,380	30,940	312,886	8,798	1,031,346	709,662	338	.....	.....	8	.....	330	.....	53
2,438,507	1,323,630	26,471,740	67,335	11,454	2,562,170	19,896,838	7,761,299	80,479,752	52,821,615	70,280	30,279	5,550	17,087	.....	17,364	27,441	54
201,310	186,854	1,029,768	62,684	32,360	54,627	2,449,261	54,135	4,904,920	2,401,524	1,507	238	.....	101	29	1,139	30	55
20,910	14,906	161,895	.....	4,764	2,863	201,685	15,940	559,963	342,338	125	.....	.....	25	.....	100	.....	56
180,400	171,948	867,873	62,684	27,596	51,764	2,247,576	38,195	4,344,957	2,059,186	1,382	238	.....	76	29	1,039	30	57
57,447	37,662	269,822	2,671	7,372	2,961	673,631	7,326	1,080,348	399,391	305	86	.....	19	.....	200	12	58
6,280	7,243	60,310	1,023	1,050	1,732	247,036	2,364	344,794	95,394	44	.....	.....	27	.....	17	.....	59
128,448	100,765	748,098	.....	13,749	49,914	2,862,828	239,993	4,777,654	1,674,833	2,378	2,262	100	14	.....	2	711	60
6,240	1,716	11,035	150	3,006	619	461,806	497	532,076	69,773	26	.....	.....	.....	.....	26	.....	61
16,450	1,627	40,094	.....	3,420	4,618	231,742	15,159	418,883	171,982	868	400	.....	223	185	60	.....	62
173,026	98,483	1,280,920	3,277	45,652	72,616	7,373,987	224,936	10,247,140	2,648,217	3,338	2,267	75	3	.....	993	525	63
54,135	20,090	742,908	1,500	10,555	47,423	679,102	101,960	1,843,936	1,062,874	1,616	883	.....	.....	.....	733	.....	64
77,941	61,380	406,967	1,777	34,914	17,451	5,336,644	93,322	6,551,770	1,124,804	1,200	862	75	3	.....	260	200	65
40,950	17,013	131,045	.....	183	7,742	1,358,241	29,654	1,848,434	460,539	522	522	.....	.....	.....	.....	325	66
78,431	34,576	365,647	11,731	31,308	13,473	1,931,653	33,071	2,791,676	826,952	891	620	.....	.....	.....	271	.....	67
14,880	6,432	114,154	728	13,101	1,676	499,085	1,339	722,464	222,040	29	20	.....	.....	.....	9	.....	68
109,350	143,032	345,318	1,202	14,761	112,225	368,340	15,527	1,283,075	899,208	401	325	.....	2	.....	74	213	69
636,505	394,591	3,702,703	450	15,088	206,454	4,396,177	260,365	12,080,144	7,423,602	7,462	3,675	.....	481	10	3,296	1,011	70
265,466	137,597	892,942	.....	2,460	29,508	894,886	35,755	2,937,211	2,006,570	1,079	605	.....	42	.....	432	397	71
199,290	164,983	1,841,155	.....	5,095	128,115	2,010,042	133,988	5,661,765	3,517,735	4,389	1,922	.....	280	.....	2,187	304	72
171,749	92,011	968,606	450	7,533	48,831	1,491,249	90,622	3,481,168	1,899,297	1,994	1,148	.....	159	10	677	310	73
193,696	175,028	913,204	1,942	55,533	22,342	1,998,380	28,432	4,209,012	2,183,100	227	.....	.....	3	.....	224	.....	74

[1] Same number reported throughout the year.
[2] Same number reported for one or more other months.

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
																Dollars.
1	Hats, fur-felt	20	5,700	25	35	176	50	5,414	De 5,845	Ja 5,000	5,839	4,342	1,303	84	110	22,502,591
2	Hats, straw	8	256	12	10	7	4	223	Mh 274	Au 137	263	65	196	.....	2	415,136
3	Hats, wool-felt	10	380	21	32	4	.....	323	Je 426	Mh 197	345	232	104	7	2	783,812
4	House-furnishing goods, not elsewhere specified.	39	883	36	39	63	34	711	.....	.....	772	245	494	13	20	2,640,664
5	Comforts and quilts	12	440	10	17	23	15	375	Jy 429	Ap 307	410	88	298	9	15	1,741,522
6	Mops and dusters	11	58	11	4	1	.....	42	Ja [3] 44	Jy 40	44	22	19	2	1	73,167
7	All other	16	385	15	18	39	19	294	De 318	Ja 270	318	135	177	2	4	825,975
8	Ice, manufactured	226	3,468	118	291	238	88	2,733	Je 3,673	Ja 1,903	2,876	2,837	30	9	.....	27,850,466
9	Ink, printing	10	302	6	17	30	19	230	Ap [3] 234	Ja 223	234	228	.....	6	.....	2,303,744
10	Ink, writing	4	18	3	4	.....	.....	11	Ap [3] 12	De 9	9	6	3	.....	.....	40,532
11	Instruments, professional and scientific.	59	2,115	51	132	129	102	1,701	.....	.....	1,686	1,416	243	26	1	4,671,455
12	Medical and surgical	19	656	18	37	28	34	539	Oc 570	Ja 492	568	494	57	16	1	1,366,444
13	All other	40	1,459	33	95	101	68	1,162	Mh 1,199	De 1,118	1,118	922	186	10	.....	3,305,011
14	Iron and steel, blast furnaces	58	16,667	39	412	1,230	367	14,619	Ja 17,554	Oc 12,786	15,707	15,689	18	.....	.....	267,740,371
15	Iron and steel, steel works and rolling mills.	198	193,450	25	4,167	13,532	4,011	171,715	Ja 202,630	Oc 145,252	179,308	177,975	1,225	104	4	1,184,263,482
16	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	31	5,152	10	177	246	173	4,546	Ja 5,024	Oc 3,966	4,532	4,082	409	35	6	21,101,750
17	Iron and steel, cast-iron pipe	7	1,859	.....	55	87	10	1,707	Oc 1,950	Fe 1,428	1,931	1,896	18	17	.....	11,008,421
18	Iron and steel forgings, not made in steel works or rolling mills.	48	7,238	13	267	520	241	6,197	Ja 6,957	My 5,57	6,851	6,497	290	64	.....	32,363,160
19	Iron and steel, nails and spikes, wrought, including wire nails, not made in steel works or rolling mills.	8	264	6	12	24	4	218	Oc 244	Ja [3] 199	234	192	40	2	.....	1,138,447
20	Iron and steel, tempering and welding.	39	402	38	19	12	9	324	De 427	Oc 216	435	435	.....	.....	.....	2,206,683
21	Iron and steel, wrought pipe	10	3,801	3	95	156	80	3,467	No 4,682	My 2,466	4,565	4,556	9	.....	.....	19,349,629
22	Japanning	4	31	4	3	2	.....	22	Oc 28	Ja [3] 15	27	26	.....	1	.....	204,592
23	Jewelry	203	1,029	243	48	49	76	613	De 672	Ja 572	671	568	81	20	2	3,201,577
24	Jewelry and instrument cases	6	73	4	6	2	1	60	My 65	Se 51	58	26	31	1	.....	70,231
25	Jute goods	8	849	8	19	19	10	793	Se 932	Ja 617	887	496	386	4	1	4,546,103
26	Knit goods	606	47,677	559	1,538	747	677	44,156	No 48,132	Fe 39,464	48,357	10,485	34,019	1,181	2,672	110,359,419
27	Labels and tags	13	593	7	25	35	37	489	De 518	Ja 469	517	239	255	11	12	1,739,139
28	Lamps and reflectors	21	529	19	40	33	23	414	De 502	Ap 356	497	400	78	14	5	2,424,684
29	Lapidary work	4	10	4	.....	2	.....	4	(4) 4	(4) 4	4	4	.....	.....	.....	18,936
30	Lasts	4	103	2	7	2	2	90	De 102	Ja 78	101	98	.....	3	.....	157,046
31	Lead, bar, pipe, and sheet	4	120	.....	10	21	5	84	Au 89	Mh 77	83	83	.....	.....	.....	1,213,389
32	Leather goods, not elsewhere specified	33	947	43	34	75	42	753	Oc 815	Ja 670	792	358	363	25	46	2,256,440
33	Leather, tanned, curried, and finished	92	14,745	57	452	334	153	13,749	De 14,787	Ja 12,287	14,772	13,646	1,040	63	23	146,280,214
34	Lime	158	2,866	144	118	36	29	2,539	Ap 2,616	Ja 2,440	2,653	2,643	10	.....	.....	8,712,597
35	Liquors, malt	166	6,460	77	502	554	96	5,231	Jy 5,774	De 4,602	4,922	4,904	17	1	.....	95,038,441
36	Lithographing	25	1,294	20	85	63	47	1,079	No 1,205	Ja 998	1,154	803	318	28	5	3,057,194
37	Looking-glass and picture frames	59	330	70	10	8	22	220	No 246	Ja 193	235	172	59	4	.....	685,489
38	Lubricating greases	11	367	3	28	107	68	161	Ja 184	Ap 138	165	164	1	.....	.....	2,129,848
39	Lumber and timber products	1,334	9,928	1,778	211	161	75	7,703	De 8,807	Jy 6,997	10,807	10,752	40	15	.....	20,268,681
40	Lumber, planing-mill products, not including planing mills connected with sawmills.	538	8,927	565	590	365	216	7,191	No 7,984	Mh 6,275	7,836	7,657	144	33	2	33,691,038
41	Machine tools	32	4,400	17	163	358	191	3,671	Ja 4,005	Se 3,033	3,612	3,544	65	3	.....	21,869,376
42	Marble and stone work	489	4,652	572	226	110	47	3,697	.....	.....	4,013	3,970	22	21	.....	9,787,646
43	Monuments and tombstones	370	1,434	452	50	44	24	864	Se 953	Ja 716	907	903	3	1	.....	4,023,111
44	Other marble and stone work, except slate.	65	862	83	55	38	10	676	Se 796	Ja 465	781	780	1	.....	.....	2,111,961
45	Roofing slate	29	1,610	20	83	11	7	1,489	Oc 1,637	Ja 1,053	1,618	1,613	.....	5	.....	2,464,327
46	Other slate products	25	746	17	38	17	6	668	De 714	Ja 581	707	674	18	15	.....	1,188,247
47	Mattresses and spring beds, not elsewhere specified.	73	1,346	78	72	75	38	1,083	Oc 1,156	Fe 994	1,122	886	210	21	5	3,870,106
48	Millinery and lace goods, not elsewhere specified.	117	3,588	159	71	66	92	3,200	.....	.....	3,438	641	2,670	20	107	4,993,414
49	Embroideries	38	762	49	25	8	10	670	Se 724	Ja 600	742	90	614	2	36	626,673
50	Trimmed hats and hat frames	42	1,132	57	21	27	35	992	Mh 1,101	Jy 849	1,017	169	829	6	13	1,399,117
51	All other	37	1,694	53	25	31	47	1,538	De 1,665	Ap 1,343	1,679	382	1,227	12	58	2,967,624
52	Mineral and soda waters	521	1,976	642	95	73	51	1,115	.....	.....	1,163	1,104	22	36	1	6,585,214
53	Mineral and carbonated waters	500	1,877	610	86	67	48	1,066	Ja 1,234	Au 935	1,104	1,049	18	36	1	6,056,706
54	All other	21	99	32	9	6	3	49	Jy [3] 60	Ja [3] 42	59	55	4	.....	.....	528,508
55	Minerals and earths, ground or otherwise treated.	105	5,326	71	183	109	49	4,914	Au 5,246	My 4,653	4,992	4,975	14	3	.....	14,428,655
56	Mirrors, framed and unframed, not elsewhere specified.	18	369	16	27	20	13	293	Au 321	Ja 265	299	214	63	21	1	1,224,042
57	Models and patterns, not including paper patterns.	99	1,033	115	22	6	11	879	De 984	Ap 830	978	933	32	13	.....	1,066,422
58	Motorcycles, bicycles, and parts	4	351	.....	10	17	14	310	No 351	Ja 264	371	344	22	5	.....	773,310
59	Mucilage, paste, and other adhesives, not elsewhere specified.	18	189	12	27	22	11	117	.....	.....	122	86	36	.....	.....	739,842
60	Mucilage and paste	6	33	5	9	4	1	14	No 21	Je 10	17	15	2	.....	.....	40,498
61	All other	12	156	7	18	18	10	103	Fe [3] 106	Jy 95	105	71	34	.....	.....	699,344
62	Musical instruments and materials, not elsewhere specified.	22	159	23	7	5	9	115	Se 130	Ja 91	130	129	.....	1	.....	356,230
63	Musical instruments, organs	7	103	8	12	3	1	79	De 95	Fe 63	95	63	.....	32	.....	269,055
64	Musical instruments, pianos	11	855	6	27	28	20	774	No 797	Ja 747	794	728	63	3	.....	3,714,979
65	Musical instruments, piano and organ materials.	5	136	3	7	2	5	119	De 129	Ja 108	126	96	27	3	.....	450,075
66	Needles, pins, and hooks and eyes	8	824	3	20	37	25	739	Au 893	Ja 612	730	176	534	7	13	2,625,047
67	Oil, not elsewhere specified	37	1,041	15	129	149	116	632	.....	.....	660	657	3	.....	.....	17,161,989
68	Vegetable	4	120	4	11	6	2	97	Au 106	Fe [3] 86	105	104	1	.....	.....	1,420,557
69	Mineral	9	119	3	24	30	12	50	Au 63	My 40	49	49	.....	.....	.....	1,043,964
70	Animal and composite	24	802	8	94	113	102	485	De 505	Mh 450	506	504	2	.....	.....	14,607,468

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

EXPENSES.										POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.						Electric horsepower generated in establishments reporting.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam-engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
179,253	769,149	4,640,509	1,656	14,457	991,051	5,694,589	223,311	17,995,301	12,077,401	6,367	4,813	1,000	10	.....	544	2,556	1
21,471	19,077	204,624	.....	16,015	1,121	351,622	5,835	845,038	487,581	73	25	.....	.....	.....	48	.....	2
60,061	4,797	240,688	.....	4,790	22,159	900,837	29,439	1,597,954	667,678	957	720	.....	.....	.....	237	.....	3
157,247	173,803	538,284	1,416	42,603	82,596	2,088,486	26,274	4,156,196	2,041,436	677	505	.....	26	.....	146	37	4
86,016	90,009	240,671	170	11,557	54,927	1,131,430	15,072	2,470,767	1,324,265	373	360	.....	.....	.....	13	23	5
6,500	1,200	35,741	46	4,128	392	165,933	939	239,432	72,560	15	.....	.....	.....	.....	15	.....	6
64,731	82,594	261,872	1,200	26,918	27,277	791,123	10,263	1,445,997	644,611	289	145	.....	26	.....	118	14	7
593,307	304,740	3,201,913	33,547	75,392	427,414	1,879,957	2,258,215	12,686,299	8,548,127	51,516	41,355	306	2,350	295	7,210	2,961	8
49,538	66,744	288,937	.....	13,844	18,638	1,335,829	54,620	2,290,279	899,830	856	400	.....	151	.....	305	.....	9
6,250	.....	7,772	.....	360	475	28,087	294	61,965	33,584	15	6	.....	9	.....	.....	.....	10
504,817	264,840	1,822,591	5,004	92,510	110,388	2,180,402	83,998	6,435,564	4,162,164	1,211	475	.....	121	.....	615	229	11
107,955	55,420	602,823	1,850	24,283	9,388	551,328	17,270	1,642,827	1,074,229	351	225	.....	34	.....	92	174	12
396,862	209,420	1,219,768	4,054	68,227	101,000	1,638,074	66,728	4,792,737	3,037,935	860	250	.....	87	.....	523	55	13
2,561,073	2,911,553	27,318,410	520,119	187,372	3,644,117	162,977,265	81,982,868	311,080,081	66,119,948	564,455	401,468	73,442	86,635	140	2,770	10,849	14
19,478,890	27,390,578	298,725,262	356,221	158,992	24,622,479	708,566,395	68,906,295	1,296,412,070	518,939,380	1,521,731	1,079,402	248,501	46,860	70	146,898	899,922	15
862,966	677,864	5,051,106	34,640	9,052	706,186	11,911,776	669,252	23,102,229	10,521,201	15,571	4,695	.....	877	75	9,924	7,316	16
191,280	120,028	2,148,481	.....	4,404	406,601	3,837,182	316,810	8,709,771	4,555,779	3,892	1,585	.....	.....	.....	2,307	1,447	17
1,387,272	1,106,263	8,168,016	144,538	105,258	1,975,485	15,205,799	1,742,852	36,708,646	19,759,995	21,151	3,865	2,217	445	.....	14,624	5,716	18
64,200	67,499	238,838	.....	384	43,602	577,289	40,907	1,270,819	652,623	943	265	.....	50	.....	628	.....	19
78,626	38,552	496,467	.....	14,011	253,791	905,661	96,802	2,189,910	1,187,447	4,891	505	.....	137	.....	4,249	.....	20
391,837	803,064	4,297,063	8,897	4,682	842,526	16,818,662	792,341	25,478,563	7,867,560	8,089	6,216	300	.....	.....	1,573	6,767	21
7,200	3,650	24,361	.....	1,417	640	54,583	4,703	102,234	42,948	129	.....	.....	.....	.....	129	.....	22
141,324	125,475	798,584	56,894	93,336	30,941	2,268,852	15,001	4,552,827	2,268,974	479	.....	.....	96	.....	383	2	23
12,640	6,754	39,282	2,464	6,714	109	80,065	903	179,166	98,198	21	.....	.....	6	.....	15	.....	24
119,004	28,506	740,204	.....	9,107	137,553	2,254,967	37,388	4,518,328	2,225,973	2,275	2,140	.....	.....	.....	135	85	25
5,274,701	2,451,761	30,691,815	1,206,936	719,950	4,555,205	115,655,139	1,041,634	188,260,800	71,564,027	26,359	14,068	80	263	304	11,644	5,016	26
153,651	196,888	385,475	27,783	8,444	208,206	791,826	13,814	2,406,769	1,001,129	299	.....	.....	40	.....	259	.....	27
111,316	46,846	454,312	908	36,276	23,051	720,546	28,388	1,710,636	961,702	765	390	.....	128	.....	247	40	28
.....	1,560	4,420	.....	1,536	.....	1,400	257	28,330	26,673	4	.....	.....	.....	.....	4	.....	29
23,966	4,901	82,776	.....	8,604	1,292	115,190	8,637	297,082	173,255	142	.....	.....	40	.....	102	.....	30
42,374	30,773	104,787	.....	5,284	9,092	1,291,487	13,999	1,634,237	328,751	399	150	.....	.....	.....	249	.....	31
149,171	150,932	631,137	43	10,986	48,013	1,684,446	17,503	3,257,715	1,555,766	359	157	.....	50	.....	152	29	32
2,423,118	756,998	17,252,410	41,191	72,733	4,328,934	144,433,316	1,972,061	211,389,349	64,983,972	42,961	34,681	550	3,578	435	3,717	13,178	33
298,217	70,109	2,551,699	14,966	47,437	125,326	1,694,476	1,308,014	7,556,372	4,553,882	12,554	4,541	.....	247	30	7,736	968	34
2,278,490	1,045,269	6,691,380	19,163	556,793	17,797,205	12,699,310	1,707,653	59,331,515	44,924,552	52,744	48,798	600	300	.....	3,046	10,462	35
209,669	215,504	1,071,137	17,473	80,674	26,397	1,751,533	31,967	4,040,955	2,257,455	818	310	.....	110	.....	398	702	36
13,900	28,072	199,461	551	98,048	3,451	456,945	9,259	948,259	482,055	255	.....	.....	5	.....	250	.....	37
140,489	301,017	192,425	5,379	6,369	64,957	1,406,351	14,935	3,137,278	1,715,992	1,107	800	.....	253	.....	54	981	38
401,672	238,209	7,381,036	1,366,302	14,807	165,997	7,088,143	155,189	25,030,803	17,187,471	44,012	39,570	234	2,187	1,185	836	1,509	39
1,578,299	639,644	8,034,355	59,297	205,411	635,193	18,622,481	472,011	35,124,866	16,030,374	36,290	16,348	1,495	2,507	718	15,222	5,549	40
717,680	936,704	5,141,121	492,633	24,257	1,967,759	4,516,253	251,782	16,797,040	12,029,005	8,536	3,619	.....	802	.....	4,115	7,846	41
454,002	171,421	3,721,571	90,618	158,705	84,936	3,955,897	355,676	11,131,630	6,820,057	17,921	10,984	.....	1,964	.....	4,973	115	42
123,025	67,869	1,151,859	60,544	34,750	33,966	2,588,832	81,090	5,806,381	3,136,459	3,620	573	.....	1,655	.....	1,392	7	43
120,082	61,730	747,280	8,963	30,558	12,341	799,572	61,510	2,135,242	1,274,160	4,137	2,596	.....	292	.....	1,249	108	44
117,210	14,430	1,245,238	16,969	51,434	29,089	243,884	141,287	2,078,848	1,693,677	6,131	5,170	.....	8	.....	953	.....	45
93,685	27,392	577,194	4,142	41,963	9,540	323,609	71,789	1,111,159	715,761	4,033	2,645	.....	9	.....	1,379	.....	46
192,529	134,049	1,077,180	60,069	63,463	98,044	3,874,325	48,565	6,343,047	2,420,157	1,595	440	125	142	.....	888	303	47
225,916	174,545	2,266,506	242,986	139,511	29,621	5,509,111	38,411	11,303,231	5,665,709	1,018	652	.....	8	.....	358	145	48
55,611	15,560	507,780	61,096	26,532	5,178	427,996	9,871	1,469,854	1,031,987	147	25	.....	.....	.....	122	2	49
61,442	67,008	776,645	780	51,738	13,855	2,437,583	8,697	4,037,261	1,590,981	124	.....	.....	.....	.....	124	.....	50
108,863	91,977	982,081	181,110	61,241	10,588	2,733,532	19,843	5,796,116	3,042,741	747	627	.....	8	.....	112	143	51
189,213	121,928	1,150,639	5,207	83,443	232,228	3,943,892	116,055	7,825,612	3,765,665	2,699	707	35	287	23	1,647	7	52
173,897	103,713	1,120,397	5,207	80,477	228,970	3,842,479	114,492	7,614,616	3,657,645	2,640	693	35	275	23	1,614	7	53
15,316	18,215	30,242	.....	2,966	3,258	101,413	1,563	210,996	108,020	59	14	.....	12	.....	33	.....	54
493,362	212,194	6,529,525	188,787	234,468	316,309	3,091,207	950,521	13,466,528	9,424,800	32,310	13,972	16	1,567	515	16,240	1,205	55
115,857	53,793	270,155	.....	5,105	19,635	1,213,911	17,457	2,052,901	821,533	358	80	.....	85	.....	193	.....	56
70,467	16,277	981,269	12,762	32,808	9,930	521,748	27,905	2,341,402	1,791,749	1,373	15	.....	304	.....	1,054	.....	57
30,224	42,888	344,675	.....	7,975	7,756	838,433	23,100	1,305,376	443,843	265	65	.....	.....	.....	200	.....	58
89,984	51,825	107,200	2,000	7,189	16,018	760,935	9,642	1,293,843	523,266	267	126	.....	90	.....	51	.....	59
14,220	3,540	10,815	.....	1,864	6,492	113,615	348	165,875	51,912	12	8	.....	.....	.....	4	.....	60
75,764	48,285	96,385	2,000	5,325	9,526	647,320	9,294	1,127,968	471,354	255	118	.....	90	.....	47	.....	61
18,324	12,417	109,017	3,096	10,286	2,126	103,113	5,212	327,973	219,648	93	20	.....	4	.....	69	.....	62
18,823	3,865	81,334	1,473	1,835	1,823	92,943	2,124	224,472	129,405	214	125	.....	23	.....	66	.....	63
77,669	88,854	759,417	5,200	8,580	114,004	1,726,480	23,699	3,022,688	1,272,509	1,555	1,450	.....	.....	.....	105	375	64
28,699	4,823	132,611	70	8,112	2,169	304,167	7,737	550,855	238,951	201	87	.....	.....	.....	114	11	65
95,812	79,105	533,644	.....	4,755	31,310	588,940	12,657	1,724,194	1,122,597	250	150	.....	4	.....	96	156	66
471,952	345,646	863,525	8,610	63,572	124,070	17,087,060	164,010	25,478,771	8,227,701	2,629	1,602	.....	234	.....	793	529	67
29,158	10,490	144,836	.....	20,000	15,785	3,528,329	27,937	7,351,153	3,794,887	653	190	.....	200	.....	263	20	68
75,400	49,709	57,396	7,360	3,840	26,813	1,593,208	13,849	2,079,940	472,883	215	125	.....	32	.....	58	85	69
367,304	285,447	661,293	1,250	39,732	81,472	11,965,523	122,224	16,047,678	3,959,931	1,761	1,287	.....	2	.....	472	424	70

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.		Wage earners. Number, 15th day of— Minimum month.		Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
																		Dollars.
1	Oilcloth and linoleum, floor	5	3,016	.....	102	220	145	2,549	De	3,030	Mh	1,767	2,954	2,790	160	2	2	21,255,523
2	Optical goods	58	1,304	58	75	70	80	1,021	Fe	1,041	Oc	998	1,048	563	356	90	39	2,621,324
3	Paints	88	4,430	54	306	582	344	3,144	Se	3,290	Fe	2,927	3,313	3,180	102	29	2	31,635,058
4	Paper and wood pulp	56	11,026	27	825	523	308	9,843	.....	.....	.....	.....	10,483	9,721	751	5	6	63,882,518
5	Paper exclusively	43	4,125	27	172	202	129	3,595	De	3,982	Mh	3,290	4,044	3,755	289	.....	.....	25,488,143
6	All other	13	6,901	.....	153	321	179	6,248	Oc	6,473	Mh	6,052	6,439	5,966	462	5	6	38,394,375
7	Paper goods, not elsewhere specified	20	624	11	42	41	30	500	De	597	Ja [2]	402	598	478	108	9	3	1,888,193
8	Patent medicines and compounds	234	1,773	217	171	201	195	989	.....	.....	.....	.....	1,055	525	519	11	.....	7,675,618
9	Patent and proprietary medicines	162	1,418	159	119	159	162	819	No	893	Jy	663	877	392	474	11	.....	6,639,598
10	Patent and proprietary compounds, not elsewhere specified	72	355	58	52	42	33	170	Je	188	No	157	178	133	45	.....	.....	1,036,020
11	Paving materials	177	2,682	190	118	59	30	2,285	Au	3,038	Ja	1,256	2,599	2,584	1	14	.....	6,706,358
12	Peanuts, grading, roasting, cleaning, and shelling	12	298	11	11	18	15	243	No	268	De	183	260	89	164	.....	7	484,018
13	Perfumery and cosmetics	36	406	33	29	37	112	195	No	207	Ja	178	210	59	146	1	4	1,202,672
14	Petroleum, refining	53	10,621	34	423	1,249	680	8,235	Jy	8,512	Mh	8,017	8,023	7,860	161	2	.....	140,154,231
15	Photo-engraving	29	799	25	44	99	40	591	De	618	Fe	555	628	597	11	20	.....	1,131,613
16	Photographic apparatus	4	28	5	1	.....	2	20	Jy	25	Fe	11	24	20	4	.....	.....	45,716
17	Photographic materials	11	156	12	15	16	16	97	No	108	Se	86	105	70	27	8	.....	682,092
18	Pickles, preserves, and sauces	48	3,466	47	221	579	331	2,288	.....	.....	.....	.....	2,187	1,112	801	91	183	17,818,921
19	Preserves	20	619	16	33	85	33	452	Oc	616	Mh	330	451	294	153	.....	4	3,590,777
20	Pickles and sauces	28	2,847	31	188	494	298	1,836	Au	2,133	My	1,596	1,736	818	648	91	179	14,228,144
21	Plated ware	4	99	2	5	4	1	87	No	94	Fe	77	95	72	20	2	1	200,489
22	Plumbers' supplies, not elsewhere specified	30	2,576	13	110	177	124	2,152	De	3,094	Mh	1,539	3,076	2,981	85	10	.....	10,949,633
23	Pocketbooks	7	185	5	6	9	4	161	Fe	169	Je	155	163	45	111	.....	7	241,581
24	Pottery	22	2,015	12	71	32	32	1,868	.....	.....	.....	.....	1,914	1,400	476	31	7	3,875,464
25	Chinaware	10	1,688	3	61	27	24	1,573	Oc	1,692	Fe	1,462	1,614	1,129	451	27	7	3,095,304
26	Earthen and stone ware	12	327	9	10	5	8	295	Ap	308	Ja	274	300	271	25	4	.....	780,160
27	Printing and publishing, book and job	1,289	14,198	1,384	766	804	783	10,461	.....	.....	.....	.....	11,303	7,928	2,974	347	54	36,780,672
28	Job printing	1,205	12,251	1,324	655	540	505	9,227	De	9,856	Fe	8,822	10,010	7,079	2,568	327	36	29,182,127
29	Book publishing and printing	22	1,520	17	73	166	183	1,081	No	1,147	Ja	955	1,132	718	381	16	17	5,708,116
30	Book publishing without printing	44	292	25	32	98	88	49	Se	55	De	43	43	24	19	.....	.....	1,564,964
31	Linotype work and typesetting	18	135	18	6	.....	7	104	De	115	Ja [3]	96	118	107	6	4	1	275,465
32	Printing and publishing, music	17	197	12	15	16	26	128	Oc	139	Jy	119	133	114	16	2	1	431,942
33	Printing and publishing, newspapers and periodicals	963	22,461	750	1,460	4,304	3,616	12,331	.....	.....	.....	.....	12,557	9,995	2,161	388	13	101,030,354
34	Printing and publishing	80	10,839	34	584	1,856	2,205	6,160	Au	6,415	Ap	5,790	6,219	5,073	1,055	90	1	67,724,073
35	Printing, publishing, and job printing	635	10,309	570	709	2,076	889	6,065	De	6,269	Ja	5,765	6,289	4,887	1,094	297	11	29,334,960
36	Publishing without printing	248	1,313	146	167	372	522	106	Ja	117	De	97	49	35	12	1	1	3,971,321
37	Printing materials	7	65	3	9	5	4	44	Oc	50	Ja [3]	39	48	48	.....	.....	.....	271,811
38	Pumps, not including power pumps	4	8	4	1	.....	.....	3	(4)	3	(4)	3	3	3	.....	.....	.....	39,197
39	Pumps, steam and other power	8	847	5	31	86	31	694	Ja	794	Oc	638	639	638	1	.....	.....	4,748,695
40	Refrigerators	11	460	10	20	26	15	389	Jy	416	Fe	358	413	411	.....	2	.....	1,734,289
41	Regalia, and society badges and emblems	18	112	18	6	6	8	74	My	81	Jy	70	75	17	57	1	.....	184,587
42	Roofing materials	23	1,494	6	67	173	78	1,170	No	1,429	Ap	894	1,391	1,362	27	2	.....	6,759,200
43	Rubber tires, tubes, and rubber goods, not elsewhere specified	31	5,879	8	259	450	282	4,880	De	5,595	Ja	4,385	5,549	4,668	740	90	51	37,690,301
44	Saddlery and harness	117	407	129	7	37	9	225	Ap	232	Ja	215	226	222	4	.....	.....	1,265,136
45	Sand and emery paper and cloth	3	311	.....	25	57	18	211	Oc	254	My	184	234	198	17	19	.....	2,818,351
46	Sausage, not made in slaughtering and meat-packing establishments	28	254	34	11	25	6	178	Jy	199	Mh	159	192	134	55	3	.....	837,472
47	Screws, machine	11	454	9	30	19	19	377	De	444	Ap	331	444	410	25	8	1	1,875,496
48	Shipbuilding, including boat building	28	60,482	21	996	2,159	1,095	56,211	Fe	63,153	De	49,831	49,904	49,680	136	88	.....	385,233,346
49	Shirts	216	9,940	254	341	257	156	8,932	De	10,488	Ap	7,984	10,683	1,498	8,756	92	337	13,256,236
50	Signs and advertising novelties	114	549	102	37	31	26	353	.....	.....	.....	.....	397	289	75	17	16	898,721
51	Electric signs	7	112	1	15	13	9	74	Oc	95	Ja	41	87	86	1	.....	.....	350,988
52	Signs, other than electric	92	325	87	14	9	12	203	Au	227	Fe	169	210	174	4	16	16	379,997
53	Advertising novelties	15	112	14	8	9	5	76	No	103	Ap	58	100	29	70	1	.....	167,736
54	Silk goods, including throwsters	373	56,578	142	1,363	1,118	903	53,052	.....	.....	.....	.....	57,949	17,200	36,406	1,487	2,856	237,628,505
55	Finished products	230	38,614	98	884	995	729	35,908	No	38,339	Ja	33,697	38,733	12,672	23,581	846	1,634	209,278,573
56	Throwsters and winders	143	17,964	44	479	123	174	17,144	De	19,043	Oc	15,314	19,216	4,528	12,825	641	1,222	28,349,932
57	Silversmithing and silverware	6	55	3	5	.....	6	41	Jy	50	Ja	31	46	38	4	3	1	121,957
58	Slaughtering and meat packing	176	5,752	168	239	710	197	4,438	De	4,890	Ap	4,237	4,851	4,406	434	8	3	27,832,571
59	Smelting and refining, not from the ore	11	247	9	23	14	13	188	Ja	217	My	172	189	188	1	.....	.....	2,633,001
60	Soap	53	1,530	50	76	98	92	1,214	Se	1,363	Mh	1,051	1,192	906	261	13	12	11,654,472
61	Soda-water apparatus	6	266	6	15	23	10	212	No	239	Ja	189	223	196	27	.....	.....	1,121,183
62	Springs, steel, car and carriage, not made in steel works or rolling mills	18	1,874	11	83	131	31	1,618	De	1,780	My	1,534	1,758	1,735	23	.....	.....	11,204,804
63	Stamped and enameled ware, not elsewhere specified	30	2,554	12	123	113	127	2,179	.....	.....	.....	.....	2,645	2,286	337	14	8	7,308,352
64	Stamped ware	21	1,060	12	63	56	80	849	De	1,029	Mh	733	1,030	800	220	7	3	3,318,385
65	All other	9	1,494	.....	60	57	47	1,330	Oc	1,587	Ja	893	1,615	1,486	117	7	5	3,989,967
66	Stationery goods, not elsewhere specified	18	932	18	36	52	45	781	Au	819	Ja	722	774	364	377	20	13	3,257,610
67	Statuary and art goods	15	123	22	7	3	2	89	My	106	Ja	76	93	92	.....	1	.....	147,505
68	Steam fittings and steam and hot-water heating apparatus	52	7,287	15	303	676	374	5,919	.....	.....	.....	.....	6,651	6,386	239	26	.....	28,034,399
69	Radiators and cast-iron heating boilers	20	2,501	4	85	161	116	2,135	No	2,738	Ap	1,696	2,615	2,598	9	8	.....	10,635,383
70	All other	32	4,786	11	218	515	258	3,784	De	4,071	Ja	3,537	4,036	3,788	230	18	.....	17,399,016
71	Steam packing	33	2,258	15	87	239	142	1,775	Ja	1,965	Je	1,648	1,782	1,588	189	5	.....	15,468,463

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

Expenses. Salaries and wages. Officials.	Salaries and wages. Clerks, etc.	Salaries and wages. Wage earners.	For contract work.	Rent and taxes. Rent of factory.	Rent and taxes. Taxes, Federal, state, county, and local.	For materials. Principal materials.	For materials. Fuel and rent of power.	Value of products.	Value added by manufacture.	Power. Primary horsepower. Total.	Owned. Steam engines (not turbines).	Owned. Steam turbines.	Owned. Internal-combustion engines.	Owned. Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
423,850	467,375	3,064,992	.....	321	799,659	11,352,980	520,194	22,805,611	10,932,437	11,871	5,180	366	2	.....	6,323	4,820	1
237,317	150,753	867,732	5,050	76,222	56,233	1,776,366	33,966	4,171,716	2,361,384	730	85	.....	51	.....	594	.....	2
1,128,459	1,211,734	3,952,211	7,810	51,552	651,719	22,682,083	785,482	35,747,820	12,280,255	13,421	5,094	2,125	307	760	5,135	4,669	3
1,658,890	1,232,376	12,459,234	3,090	82,406	1,554,938	31,047,629	4,595,489	64,715,767	29,072,649	83,510	64,935	7,287	55	6,000	5,233	35,936	4
731,232	454,752	4,279,724	3,090	5,065	771,306	14,529,191	1,707,463	26,743,905	10,507,251	41,347	30,757	3,663	45	2,100	4,782	7,531	5
927,658	777,624	8,179,510	.....	77,341	783,632	16,518,438	2,888,026	37,971,862	18,565,398	42,163	34,178	3,624	10	3,900	451	28,405	6
162,166	66,323	421,143	3,000	39,213	49,634	1,759,667	43,336	2,797,654	994,651	1,286	622	.....	28	80	556	36	7
547,193	577,258	867,263	17,249	103,539	464,051	5,545,753	66,562	11,913,284	6,300,969	1,632	759	.....	139	.....	734	130	8
429,096	489,930	702,035	16,461	73,607	453,599	4,688,998	55,144	9,994,900	5,250,758	1,219	565	.....	119	.....	535	.....	9
118,097	87,328	165,228	788	29,932	10,452	856,755	11,418	1,918,384	1,050,211	413	194	.....	20	.....	199	130	10
250,990	88,315	2,279,825	40,887	106,532	90,179	1,187,970	357,462	5,442,277	3,896,845	17,733	11,370	36	783	50	5,494	165	11
98,300	48,107	134,380	643	9,446	29,363	2,147,141	8,827	2,635,657	479,689	341	275	.....	1	.....	65	203	12
74,659	165,299	121,977	.....	19,986	15,227	826,733	3,843	1,854,332	1,023,756	150	55	.....	28	.....	67	.....	13
1,763,412	2,331,111	11,960,122	619,612	16,099	15,380,629	130,071,762	4,909,443	178,825,632	43,844,427	22,606	9,962	5,495	4,540	.....	2,609	8,986	14
254,898	165,538	1,022,680	26,695	52,880	13,469	588,475	29,568	2,954,671	2,336,628	347	.....	.....	.....	.....	347	.....	15
2,500	2,367	23,368	.....	695	383	21,991	996	89,912	66,925	31	.....	.....	.....	.....	31	.....	16
36,256	41,803	72,278	.....	20,500	602	544,697	11,465	814,233	258,071	85	.....	.....	.....	.....	85	.....	17
714,449	1,367,537	1,850,045	.....	45,109	697,355	14,749,895	194,154	26,189,134	11,245,035	3,280	2,137	.....	466	.....	677	2,669	18
202,595	175,055	401,274	.....	21,131	159,409	4,290,644	52,939	6,562,207	2,218,624	741	269	.....	36	.....	436	231	19
511,854	1,192,482	1,448,771	.....	23,978	537,946	10,459,251	141,215	19,626,927	9,026,461	2,539	1,868	.....	430	.....	241	2,438	20
11,174	3,264	93,304	.....	4,477	1,225	78,586	6,506	242,238	157,146	184	.....	.....	.....	.....	184	.....	21
400,270	269,109	2,739,065	315	45,228	600,787	4,381,296	345,406	10,546,531	5,819,829	6,209	3,823	.....	187	63	2,136	2,289	22
13,830	23,243	102,850	5,047	6,775	604	197,050	1,531	453,297	254,716	28	.....	.....	.....	.....	28	.....	23
223,393	94,723	1,761,415	15,353	3,364	269,299	1,025,061	327,612	4,504,656	3,211,983	2,198	995	.....	22	106	1,075	41	24
196,828	83,522	1,502,715	9,619	3,100	265,036	920,179	267,231	3,979,494	2,792,084	1,471	425	.....	.....	106	940	41	25
26,565	11,201	258,700	5,734	264	4,263	104,882	60,381	585,162	419,899	727	570	.....	22	.....	135	.....	26
2,387,955	1,943,981	11,160,613	1,355,029	888,396	605,967	16,883,029	404,461	46,152,747	28,865,257	11,315	1,753	.....	853	6	8,703	1,214	27
1,988,569	1,225,202	9,772,354	231,999	757,573	540,602	13,841,619	355,329	36,363,097	22,166,149	10,273	1,295	.....	853	6	8,119	1,068	28
279,368	458,022	1,222,517	659,439	77,243	53,635	2,530,005	41,527	7,315,988	4,744,456	944	458	.....	.....	.....	486	146	29
107,652	255,133	29,968	457,086	37,582	10,590	468,487	2,514	2,113,814	1,642,813	50	.....	.....	.....	.....	50	.....	30
12,366	5,624	135,774	6,505	15,998	1,140	42,918	5,091	359,848	311,839	48	.....	.....	.....	.....	48	.....	31
29,327	42,057	59,396	124,629	12,032	10,307	195,047	864	732,462	536,551	36	.....	.....	.....	.....	36	.....	32
4,691,054	8,170,249	15,381,711	2,311,528	697,908	3,075,031	38,385,149	663,075	106,666,923	67,618,699	22,045	6,485	.....	1,072	137	14,351	5,516	33
2,508,328	3,836,217	8,798,167	163,855	299,096	2,705,878	26,981,427	309,990	71,052,013	43,760,596	12,193	5,712	.....	503	.....	5,978	5,422	34
1,738,465	3,421,780	6,470,762	198,693	208,592	352,831	10,613,163	348,467	29,521,098	18,559,468	9,722	773	.....	569	137	8,243	94	35
384,261	912,252	112,782	1,948,980	130,220	16,322	790,550	4,618	6,093,812	5,298,635	130	.....	.....	.....	.....	130	.....	36
41,877	10,890	53,553	.....	10,291	14,934	114,040	2,724	443,544	326,780	67	15	.....	.....	.....	52	.....	37
1,300	.....	3,558	70	552	154	22,382	581	34,164	11,201	10	.....	.....	5	.....	5	1	38
143,104	181,404	812,855	.....	1,430	81,482	1,425,128	61,724	3,701,566	2,214,714	2,392	440	.....	174	.....	1,778	35	39
65,426	95,813	492,989	.....	4,690	22,841	948,031	23,322	1,802,377	831,024	874	250	.....	53	.....	571	10	40
12,409	15,328	52,587	300	9,841	1,557	156,463	2,275	320,043	161,305	20	.....	.....	.....	.....	20	.....	41
256,524	365,714	1,329,841	12,406	22,858	342,651	6,046,384	283,138	10,836,845	4,507,323	4,815	1,295	.....	25	.....	3,495	90	42
831,644	829,376	5,864,082	15,160	24,141	1,717,346	19,266,485	506,202	35,792,005	16,019,319	17,414	6,861	1,960	1,078	.....	7,515	3,596	43
24,596	42,936	204,787	1,080	24,311	7,836	889,013	8,913	1,515,099	617,173	179	60	.....	25	.....	94	12	44
137,850	117,386	231,726	.....	6,452	89,011	1,167,346	44,353	2,248,040	1,036,341	2,345	2,205	.....	.....	.....	140	100	45
35,620	50,012	190,423	3,226	6,196	7,812	3,072,831	23,828	3,688,188	591,529	735	278	.....	26	.....	431	50	46
118,819	46,769	429,566	12,310	13,296	77,241	802,280	23,991	1,722,314	896,043	960	100	.....	162	.....	698	.....	47
4,820,971	8,645,807	88,030,202	5,510,014	204,942	2,068,254	116,482,652	2,234,321	237,324,970	118,607,997	82,016	3,307	5,343	127	.....	73,239	9,371	48
687,283	855,845	4,401,003	564,322	224,804	93,446	14,446,686	150,427	24,774,554	10,177,441	3,366	1,236	75	314	.....	1,741	516	49
99,071	55,297	397,023	37,278	35,354	5,729	638,480	11,727	1,620,947	970,740	223	.....	.....	32	.....	191	.....	50
47,555	26,511	88,237	600	2,589	1,364	118,043	2,602	332,154	211,509	73	.....	.....	.....	.....	73	.....	51
33,828	16,815	265,162	8,858	26,303	2,754	313,818	7,726	888,630	567,086	127	.....	.....	29	.....	98	.....	52
17,688	11,971	43,624	27,820	6,402	1,611	206,619	1,399	406,163	192,145	23	.....	.....	3	.....	20	.....	53
5,988,240	3,283,338	38,129,477	15,608,271	782,728	4,826,395	123,623,779	2,663,464	231,711,352	105,424,109	73,826	39,506	2,122	482	875	30,841	9,005	54
4,520,254	2,891,161	28,131,257	15,387,216	715,846	3,795,925	114,805,054	1,394,291	202,140,380	85,941,035	43,645	25,757	1,097	82	750	15,959	8,064	55
1,467,986	392,177	9,998,220	221,055	66,882	1,030,470	8,818,725	1,269,173	29,570,972	19,483,074	30,181	13,749	1,025	400	125	14,882	941	56
7,685	4,054	39,392	929	2,410	260	52,054	2,590	123,162	68,518	48	.....	.....	14	.....	34	.....	57
1,103,247	1,384,973	5,346,125	186,478	192,291	695,452	106,508,357	772,659	122,862,240	15,581,224	15,325	11,863	245	480	5	2,732	4,882	58
102,352	30,822	255,153	.....	1,860	41,513	4,981,901	68,860	5,912,489	861,728	378	5	.....	187	.....	186	.....	59
299,073	261,294	1,634,122	6,770	20,924	136,229	10,167,846	185,101	16,063,276	5,710,329	2,647	1,691	30	76	.....	850	329	60
50,260	33,204	232,308	.....	5,921	7,922	423,269	13,446	969,785	533,070	462	125	.....	300	.....	37	440	61
438,485	275,093	2,162,356	.....	23,108	572,328	6,106,853	371,136	11,638,921	5,160,932	4,725	1,502	.....	815	.....	2,348	1,030	62
332,234	228,236	2,302,445	1,376	22,479	92,959	3,920,358	281,033	8,478,498	4,277,107	4,192	2,205	.....	146	.....	1,841	1,215	63
155,505	83,018	810,221	1,376	21,630	53,200	2,032,187	48,433	3,492,040	1,411,420	1,270	305	.....	146	.....	819	.....	64
176,669	145,218	1,492,224	.....	849	39,699	1,888,171	232,600	4,986,458	2,805,687	2,922	1,900	.....	.....	.....	1,022	1,215	65
124,564	139,181	574,304	.....	43,130	94,427	2,192,066	24,827	4,176,658	1,959,765	984	435	.....	6	75	468	301	66
12,480	4,275	139,475	.....	6,764	737	108,843	4,148	355,849	242,858	13	.....	.....	2	.....	11	.....	67
1,164,147	1,409,918	7,053,781	240	59,485	2,014,519	12,679,408	538,608	30,724,958	17,506,942	9,748	2,110	1,517	180	.....	5,941	3,068	68
330,518	324,681	2,648,118	.....	5,328	106,566	3,964,496	264,881	9,143,271	4,913,894	4,130	155	150	122	.....	3,703	.....	69
833,629	1,085,237	4,405,663	240	54,157	1,907,953	8,714,912	273,727	21,581,687	12,593,048	5,618	1,955	1,367	58	.....	2,238	3,068	70
447,482	633,726	1,955,064	12,839	25,443	838,286	4,958,893	597,798	11,358,344	5,801,653	11,496	9,634	690	235	.....	937	5,124	71

[1] Same number reported for one or more other months.
[2] Same number reported throughout the year.

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
																Dollars.
1	Steel barrels, drums, and tanks	5	264	3	16	15	8	222	Jy 296	Se 148	235	235	.....	.....	.....	728,941
2	Stencils and brands	11	79	11	8	8	5	47	Ja 50	No[3] 45	44	38	1	5	.....	210,131
3	Stereotyping and electrotyping	15	462	8	53	39	17	345	De 368	Ja 327	367	364	2	1	.....	744,221
4	Stoves and hot-air furnaces	56	3,797	28	163	282	114	3,210	.....	.....	3,620	3,593	8	19	.....	11,996,039
5	Stoves and ranges	42	3,419	16	136	233	89	2,945	De 3,328	Ja 2,573	3,329	3,306	8	15	.....	10,734,736
6	Hot-air furnaces	14	378	12	27	49	25	265	Mh 300	Je 237	291	287	.....	4	.....	1,261,303
7	Stoves, gas and oil	29	742	19	63	56	37	567	No 645	Ja 465	652	606	43	3	.....	2,819,999
8	Structural ironwork, not made in steel works or rolling mills.	145	13,807	97	503	1,976	509	10,722	Ja 11,570	Ap 10,288	10,676	10,596	75	5	.....	66,168,680
9	Sugar, refining, not including beet sugar.	4	3,613	.....	52	259	81	3,221	Jy 3,718	Ja 2,086	3,035	2,904	131	.....	.....	32,741,511
10	Surgical appliances	25	641	24	42	27	39	509	De 556	Ja[3] 482	555	295	245	4	11	1,240,190
11	Suspenders, garters, and elastic woven goods.	14	618	15	56	46	20	481	No 555	Ap 395	552	122	425	5	.....	1,462,090
12	Textile machinery and parts	64	4,318	60	158	291	104	3,705	De 4,387	Ja 3,276	4,369	4,252	85	28	4	16,744,426
13	Tin plate and terneplate	11	2,342	4	269	64	.....	2,005	Fe 2,454	My 1,492	2,259	1,957	297	5	.....	20,418,077
14	Tinware, not elsewhere specified	33	1,582	41	58	119	63	1,301	De 1,390	My 1,146	1,444	953	489	2	.....	6,971,163
15	Tobacco, chewing and smoking, and snuff.	64	788	78	40	254	11	405	.....	.....	452	173	277	1	1	3,629,290
16	Chewing	10	133	8	9	9	3	104	Jy 123	Fe 85	106	29	75	1	1	719,731
17	Smoking	28	572	33	28	244	8	259	No 345	Ja 209	301	100	201	.....	.....	2,445,999
18	Snuff	3	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11,800
19	All other	23	80	34	3	1	.....	42	Se[3] 48	Fe[3] 37	45	44	1	.....	.....	451,760
20	Tobacco, cigars and cigarettes	1,595	34,169	1,607	1,273	616	293	30,380	.....	.....	36,035	11,682	24,113	49	191	56,287,081
21	Cigars	1,577	33,174	1,587	1,247	535	271	29,534	De 34,416	Au 24,686	35,041	11,389	23,412	49	191	51,585,604
22	All other	18	995	20	26	81	22	846	Oc 999	Fe 526	994	293	701	.....	.....	4,701,477
23	Tools, not elsewhere specified	104	6,007	89	1,779	228	132	3,779	.....	.....	4,036	3,801	213	16	6	14,389,832
24	Shovels, spades, scoops, and hoes.	11	649	13	26	25	11	574	Fe 620	Au 507	526	513	5	8	.....	3,086,994
25	Carpenters'	3	507	1	7	37	22	440	Oc 489	Je 406	479	454	15	4	6	1,717,020
26	Machinists'	33	1,889	25	72	80	66	1,646	De 1,668	Oc 1,611	1,670	1,530	137	3	.....	5,538,992
27	All other	57	2,962	50	1,674	86	33	1,119	De 1,352	Je 1,000	1,361	1,304	56	1	.....	4,046,826
28	Toys and games	53	1,839	48	90	47	94	1,560	Au 1,877	Ja 947	1,685	922	659	69	35	3,926,151
29	Trunks and valises	86	1,467	120	58	122	52	1,115	De 1,201	Ja 954	1,220	1,064	124	15	17	3,467,647
30	Umbrellas and canes	21	1,562	24	38	89	35	1,376	De 1,565	Ja 1,189	1,569	760	693	59	57	7,067,066
31	Upholstering materials, not elsewhere specified.	12	481	10	25	29	15	402	Au 445	Fe 342	450	277	167	2	4	3,045,223
32	Varnishes	16	253	4	45	50	19	135	De 150	Ja 117	150	145	5	.....	.....	1,955,066
33	Vinegar and cider	42	237	36	33	32	10	126	.....	.....	178	159	19	.....	.....	1,513,198
34	Vinegar	13	105	8	21	7	3	66	No 102	Ja 52	79	75	4	.....	.....	1,108,178
35	Cider	29	132	28	12	25	7	60	Oc 96	Ja 41	99	84	15	.....	.....	405,020
36	Wall paper, not made in paper mills.	12	1,152	2	38	74	39	999	De 1,111	Au 892	1,108	869	209	25	5	4,963,678
37	Wall plaster and composition flooring.	14	133	6	19	8	7	93	Jy 109	Mh 77	97	96	1	.....	.....	581,386
38	Waste	44	875	40	71	25	37	702	.....	.....	744	505	239	.....	.....	4,802,293
39	Cotton waste	23	474	22	36	15	13	388	Ja 411	Ap 349	391	263	128	.....	.....	3,097,790
40	All other	21	401	18	35	10	24	314	De 356	Ap 260	353	242	111	.....	.....	1,704,503
41	Window and door screens and weather strips.	13	156	11	10	.....	5	130	Je 170	Au 84	161	147	14	.....	.....	627,749
42	Window shades and fixtures	25	177	30	7	31	9	100	Je[3] 113	Ja 77	114	92	19	3	.....	923,647
43	Wire	11	2,471	1	76	136	55	2,203	Au 2,469	Oc 2,005	2,302	2,283	15	4	.....	15,376,302
44	Wirework, including wire rope and cable, not elsewhere specified.	51	2,377	36	127	123	73	2,018	De 2,214	Mh 1,824	2,239	1,684	389	137	29	8,995,720
45	Wood distillation	44	1,401	16	126	31	17	1,211	Ja 1,559	Je 937	1,475	1,473	2	.....	.....	9,821,100
46	Wood, turned and carved	63	855	64	44	5	11	731	De 865	My 633	3,865	3,744	119	2	.....	1,575,680
47	Wooden goods, not elsewhere specified.	23	311	21	17	6	8	259	No 301	Ja 242	277	230	47	.....	.....	653,954
48	Wool pulling	4	169	6	8	5	.....	150	De 171	Mh 116	171	171	.....	.....	.....	1,638,716
49	Wool shoddy	9	193	13	17	9	1	153	De 170	Ap 143	161	132	28	1	.....	1,077,203
50	Woolen goods	108	7,955	90	295	111	61	7,398	De 8,631	Mh 5,182	8,675	5,330	3,206	83	56	31,548,546
51	Worsted goods	89	16,346	57	358	334	197	15,400	De 17,358	Fe 12,778	17,423	6,930	9,586	402	496	80,390,892
52	All other industries*	184	43,189	101	934	1,712	946	39,496	.....	.....	.....	.....	.....	.....	.....	205,933,197

* All other industries embrace—

Aeroplanes, seaplanes, and airships, and parts	1
Aluminum manufactures	6
Boots and shoes, rubber	1
Cardboard, not made in paper mills	5
Cars, electric-railroad, not including operations of railroad companies	2
Cash registers and calculating machines	6
Charcoal, not including production in the lumber and wood distillation industries	1
Chewing gum	2
Collars and cuffs, men's	2
Combs and hairpins, not made from metal or rubber	1
Engravers' materials	2
Firearms	2
Fire extinguishers, chemical	2
Fireworks	5
Fuel, briquetted	2

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

Expenses. Salaries and wages. Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent and taxes. Rent of factory.	Taxes, Federal, state, county, and local.	For materials. Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Power. Primary horsepower. Total.	Owned. Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
127,348	41,921	310,455	.....	3,322	80,884	921,884	15,249	1,633,062	695,929	623	90	.....	40	.....	493	1	1
19,341	10,908	51,381	2,675	4,120	4,847	66,764	2,359	189,106	119,983	40	18	.....	2	.....	20	.....	2
180,348	49,484	528,333	552	44,886	76,083	318,410	32,552	1,757,008	1,406,046	752	.....	.....	.....	.....	752	.....	3
550,759	581,552	3,871,805	.....	27,375	239,024	3,674,512	246,685	11,782,774	7,861,577	4,734	2,331	.....	223	.....	2,180	499	4
455,358	448,701	3,584,144	.....	20,960	189,164	3,109,126	232,214	10,363,869	7,022,529	4,348	2,327	.....	183	.....	1,838	499	5
95,401	132,851	287,661	.....	6,415	49,860	565,386	14,471	1,418,905	839,048	386	4	.....	40	.....	342	.....	6
166,454	113,329	633,773	3,000	30,013	50,875	1,560,473	31,110	3,232,643	1,641,060	864	110	150	182	.....	422	134	7
2,199,820	3,859,726	15,381,261	60,051	72,505	1,692,395	44,402,717	1,079,678	78,305,995	32,823,600	47,980	11,672	1,655	7,704	5	26,944	22,856	8
344,591	439,726	4,340,680	67,522	.....	1,199,618	117,893,162	1,902,906	133,796,119	14,000,051	9,762	6,095	3,667	.....	.....	.....	11,809	9
136,063	111,198	474,992	9,619	9,413	29,168	689,883	12,272	1,677,937	975,782	275	150	.....	35	.....	90	8	10
63,143	136,695	336,409	7,467	24,032	84,033	1,816,193	6,285	3,181,981	1,359,503	139	.....	.....	15	.....	124	.....	11
764,614	496,141	4,367,609	1,864	77,602	617,273	5,551,390	199,176	14,354,753	8,604,187	4,855	2,355	.....	304	.....	2,196	2,358	12
357,184	348,068	3,651,974	.....	430	1,030,974	44,488,214	266,221	58,815,616	14,061,181	16,459	11,235	5,213	8	.....	3	6,580	13
178,438	261,060	1,277,608	122,520	22,857	150,991	4,860,461	52,742	7,489,083	2,575,880	1,317	500	.....	154	.....	663	658	14
96,637	102,446	352,995	231	18,486	782,000	3,522,080	25,196	5,422,593	1,875,317	1,003	550	.....	5	5	443	130	15
10,787	14,000	65,363	.....	1,760	182,325	458,540	4,366	842,204	379,388	127	100	.....	.....	.....	27	.....	16
81,300	87,483	247,701	231	14,773	551,867	1,977,650	13,508	3,341,104	1,350,006	512	260	.....	2	5	245	130	17
.....	.....	.....	.....	.....	2,595	2,668	95	5,670	2,907	9	.....	.....	3	.....	6	.....	18
4,550	963	39,931	.....	1,953	45,213	1,083,222	7,227	1,233,465	143,016	355	190	.....	.....	.....	165	.....	19
2,101,869	1,537,085	22,184,046	260,795	475,063	14,426,456	42,690,810	259,272	98,370,923	55,420,841	3,717	1,670	536	75	.....	1,436	181	20
2,024,586	1,400,815	21,508,693	260,795	456,566	11,229,625	39,206,203	245,805	88,944,370	49,492,362	2,868	1,410	.....	75	.....	1,383	184	21
77,283	136,270	675,353	.....	18,497	3,196,831	3,484,607	13,467	9,426,553	5,928,479	849	260	536	.....	.....	53	.....	22
719,082	549,784	4,160,718	3,311	31,992	400,505	4,598,303	358,134	13,717,887	8,761,450	7,123	2,081	.....	603	185	4,254	117	23
103,566	55,013	619,279	.....	8,670	66,550	1,216,083	107,805	2,639,358	1,315,470	1,755	785	.....	.....	185	785	114	24
41,825	108,156	543,127	.....	.....	49,065	330,179	56,892	1,469,134	1,082,063	1,125	605	.....	20	.....	500	.....	25
310,987	231,171	1,814,808	1,000	12,114	210,836	1,744,474	85,295	5,808,683	3,978,914	2,096	395	.....	160	.....	1,541	3	26
262,704	155,444	1,183,504	2,311	11,208	74,054	1,307,567	108,142	3,800,712	2,385,003	2,147	296	.....	423	.....	1,428	.....	27
250,815	326,517	1,108,399	21,156	27,779	70,432	1,991,080	51,701	4,854,235	2,811,454	1,387	403	.....	86	.....	898	317	28
295,928	294,544	1,167,643	3,672	71,941	161,014	3,034,248	26,606	6,620,836	3,559,982	539	220	.....	32	.....	287	180	29
272,083	256,873	1,209,951	80,062	10,835	54,585	4,293,592	75,475	7,247,263	2,878,196	1,784	1,564	.....	18	.....	202	375	30
109,054	80,488	377,162	.....	9,750	25,101	1,640,943	42,499	2,749,014	1,065,572	1,350	840	.....	.....	120	390	115	31
231,439	200,060	167,230	75	10,144	25,842	2,014,295	18,341	3,097,446	1,064,810	445	321	.....	55	.....	69	.....	32
81,072	34,144	132,983	360	10,798	30,804	1,126,622	14,977	1,896,432	664,833	625	292	.....	186	46	101	15	33
50,236	10,604	66,389	210	4,374	24,219	687,393	9,555	1,088,812	391,864	179	68	.....	30	6	75	.....	34
29,830	23,540	66,594	150	6,424	6,585	439,229	5,422	717,620	272,969	446	224	.....	156	40	26	15	35
155,627	180,894	884,013	.....	20,348	20,519	3,522,711	60,159	5,588,875	2,006,005	1,783	1,183	.....	.....	.....	600	354	36
44,544	18,973	101,638	.....	585	5,850	374,476	7,197	610,661	228,988	208	35	.....	.....	.....	173	.....	37
283,794	86,454	614,295	.....	28,009	120,675	5,871,355	74,374	8,413,231	2,467,502	2,685	1,060	.....	409	.....	1,216	.....	38
171,966	45,926	337,549	.....	11,779	104,420	3,279,136	39,636	4,765,337	1,446,565	1,791	960	.....	180	.....	651	.....	39
111,828	40,528	276,746	.....	16,290	16,255	2,592,219	34,738	3,647,894	1,020,937	894	100	.....	229	.....	565	.....	40
29,501	5,041	138,051	320	1,420	74,924	292,262	5,692	682,436	384,482	517	300	.....	74	.....	143	.....	41
19,241	45,007	101,329	3,327	14,993	2,551	688,018	1,990	1,143,867	453,859	22	.....	.....	.....	.....	22	.....	42
282,044	287,441	3,850,399	.....	.....	573,862	13,865,972	350,433	19,595,888	5,379,483	25,761	2,873	13,877	130	.....	8,881	9,176	43
401,618	450,327	1,857,698	10,464	20,651	464,051	6,311,748	184,205	11,476,912	4,980,959	4,643	2,431	200	234	.....	1,778	2,029	44
263,250	39,655	1,273,417	50,993	10,133	374,851	2,604,226	649,699	5,542,215	2,288,290	2,569	1,657	35	699	104	74	424	45
79,485	14,241	620,096	1,400	8,325	38,411	764,652	22,157	1,896,419	1,109,610	2,863	1,668	75	469	134	517	156	46
24,578	7,238	198,598	.....	7,935	3,296	331,890	16,078	758,533	410,565	1,140	571	.....	150	.....	419	.....	47
25,406	9,927	215,714	.....	10,625	36,080	4,020,391	20,471	5,604,276	1,563,414	320	260	.....	.....	.....	60	.....	48
51,967	15,612	183,585	12,702	12,820	4,352	798,660	26,373	1,374,996	549,963	872	705	.....	.....	.....	167	.....	49
1,379,902	323,396	8,267,436	365,167	148,472	1,014,534	27,805,192	534,053	48,239,627	19,900,382	15,961	11,174	635	326	397	3,429	2,247	50
2,420,532	309,256	15,569,889	1,154,824	326,204	2,637,637	81,517,520	994,426	118,475,141	35,963,195	38,947	30,609	365	50	660	7,263	13,293	51
3,959,816	4,117,871	52,361,838	659,118	169,472	4,980,517	100,213,983	6,346,213	220,287,874	113,727,678	133,497	32,541	29,764	4,004	12	67,176	60,041	52

Furs, dressed	1	Malt	1	Sand-lime brick	1	Tin foil	1
Gold, leaf and foil	4	Matches	2	Saws	12	Type founding	3
Grindstones	1	Mats and matting, from cocoa fiber, grass, and coir	2	Scales and balances	5	Typewriters and supplies	9
Hardware, saddlery	2	Nets and seines	2	Screws, wood	1	Vault lights and ventilators	3
Hat and cap materials	6	Oil, essential	3	Sewing-machine cases	1	Washing machines and clothes wringers	8
Horseshoes, not made in steel works or rolling mills	8	Ordnance and accessories	2	Sewing machines and attachments	3	Watch and clock materials, except watchcases	3
Ivory, shell, and bone work, not including combs and hairpins	2	Pencils, lead	2	Show cases	2	Watchcases	2
Liquors, distilled, grain alcohol and whiskey	3	Pens, fountain and stylographic	2	Smelting and refining, lead	1	Watches	1
Liquors, vinous	2	Pens, steel	1	Smelting and refining, metals, not elsewhere specified	1	Wheelbarrows	1
Locomotives, not made by railroad companies	8	Phonographs and graphophones	8	Smelting and refining, zinc	3	Wood preserving	3
		Pipes, tobacco	2	Sporting and athletic goods	5	Wool scouring	3
		Safes and vaults	4	Sulphuric, nitric, and mixed acids	4		

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	**ALLENTOWN**—All industries	336	16,907	333	540	828	394	14,812	De 16,510	Mh 13,951	16,578	10,706	5,305	237	330	*Dollars.* 59,811,024
2	Automobile repairing	27	176	28	5	5	8	130	De 153	Fe 121	132	132	.....	.....	.....	277,915
3	Boots and shoes	9	935	10	26	43	16	840	De 878	Ja 806	875	461	328	45	41	2,025,763
4	Bread and other bakery products	39	314	41	10	7	6	250	Se 260	Ja 230	265	238	27	.....	.....	930,434
5	Brick, building	3	75	6	4	2	1	62	Au 78	Ja 28	42	42	.....	.....	.....	406,875
6	Confectionery and ice cream	12	110	13	9	3	3	82	.....	.....	69	48	21	.....	.....	161,193
7	Confectionery	4	7	6	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	13,700
8	Ice cream	8	103	7	9	3	2	82	Jy 101	Ja 65	69	48	21	.....	.....	147,493
9	Copper, tin, and sheet-iron work	8	59	11	3	2	.....	43	(3) 43	(3) 43	43	42	1	.....	.....	86,345
10	Foundry and machine-shop products	14	639	16	37	58	19	509	De 572	Au 451	563	563	.....	.....	.....	4,149,330
11	Furniture, wood, other than rattan and willow.	7	510	4	49	15	4	438	Au 471	Ja 4 375	456	447	5	4	.....	870,618
12	Knit goods	8	304	6	16	3	4	275	Ja 4 288	De 255	254	33	187	10	24	649,353
13	Liquors, malt	3	124	3	10	13	1	97	Jy 111	No 4 85	79	79	.....	.....	.....	1,831,176
14	Lumber, planing-mill products, not including planing mills connected with sawmills.	4	109	9	6	5	1	88	Je 98	Mh 73	93	93	.....	.....	.....	427,658
15	Marble and stone work, monuments and tombstones.	8	60	8	4	6	.....	42	Fe 4 46	No 36	39	39	.....	.....	.....	129,939
16	Mineral and carbonated waters	7	21	8	.....	.....	1	12	Je 4 14	Ja 4 11	12	12	.....	.....	.....	75,503
17	Patent medicines and compounds	4	9	6	1	1	.....	1	(3) 1	(3) 1	1	1	.....	.....	.....	18,647
18	Paving materials	4	75	2	7	1	.....	65	Au 95	Fe 22	87	87	.....	.....	.....	101,002
19	Printing and publishing, book and job.	23	172	26	4	2	6	134	No 141	Ja 4 128	141	93	26	19	3	545,992
20	Silk goods, including throwsters	27	4,374	7	95	91	57	4,124	.....	.....	4,600	1,849	2,440	107	204	15,317,100
21	Finished products	23	4,040	5	87	90	50	3,808	De 4,347	Jy 3,273	4,280	1,693	2,295	97	195	15,028,523
22	Throwsters and winders	4	334	2	8	1	7	316	Jy 350	Ja 289	320	156	145	10	9	288,577
23	Textile machinery and parts	5	238	10	9	4	4	211	Au 229	Ja 185	228	205	10	12	1	325,347
24	Tobacco, cigars	24	1,342	20	58	16	11	1,237	De 1,592	Au 463	1,548	211	1,310	8	19	1,928,277
25	All other industries*	100	7,261	99	187	551	252	6,172	.....	.....	7,051	6,031	950	32	38	29,552,557

* All other industries embrace—
Artificial stone products 1
Automobile bodies and parts 2
Automobiles 2
Baskets, and rattan and willow ware 1
Belting, woven, other than rubber 1
Blacking, stains, and dressings 1
Bookbinding and blank-book making 2
Boot and shoe cut stock 1
Boxes, cigar 1
Boxes, set-up paper boxes 2
Boxes, wooden packing, except cigar boxes 1
Brass and bronze products 2
Brooms, from broom corn 2
Brushes 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 1
Chemicals 2
Clothing, men's 3
Clothing, women's 3
Cooperage, hogsheads and barrels 1
Cordials and flavoring sirups 1
Corsets 1
Druggists' preparations 1
Dyeing and finishing textiles, exclusive of that done in textile mills 5
Flour-mill and gristmill products 1
Food preparations, not elsewhere specified 3
Fur goods 1
Furnishing goods, men's 2
Gas and electric fixtures 2
Gas, illuminating and heating 1
Glass, cutting, staining, and ornamenting 1
Hand stamps 1
Hardware, builders' 2
Hats and caps, other than felt, straw, and wool 1
Hats, fur-felt 1

1	**ALTOONA**—All industries	64	13,692	64	357	347	124	12,800	No 13,972	Mh 11,459	13,877	12,783	1,028	38	28	28,066,769
2	Awnings, tents, and sails	3	8	4	.....	.....	.....	4	My 4 6	Ja 4 2	8	5	3	.....	.....	4,075
3	Bread and other bakery products	14	136	13	4	.....	10	109	De 115	Ja 98	108	96	12	.....	.....	402,993
4	Copper, tin, and sheet-iron work	3	8	3	.....	.....	1	4	No 4 7	Jy 4 3	7	7	.....	.....	.....	13,026
5	Liquors, malt	4	122	6	9	5	2	100	Au 127	De 78	95	95	.....	.....	.....	1,130,235
6	Printing and publishing, book and job	6	51	9	1	3	6	32	No 4 39	Ja 4 29	33	13	20	.....	.....	59,901
7	Printing and publishing, newspapers and periodicals.	5	254	2	11	63	28	150	Jy 159	Ja 140	157	139	12	6	.....	527,721
8	All other industries*	29	13,113	27	332	276	77	12,401	.....	.....	13,469	12,428	981	32	28	25,928,818

*All other industries embrace—
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 4
Clothing, men's 1
Confectionery and ice cream 3
Dental goods 1
Gas, illuminating and heating 1
Grease and tallow, not including lubricating greases 1
Hats and caps, other than felt, straw, and wool 1

1	**BETHLEHEM**—All industries	86	16,944	66	750	766	401	14,961	Ja 17,964	Ap 13,236	16,194	13,499	2,474	87	134	115,170,210
2	Bread and other bakery products	15	72	16	.....	2	2	52	My 4 55	No 4 48	51	44	7	.....	.....	151,111
3	Knit goods	6	412	.....	17	3	3	389	Au 467	Ja 294	409	58	253	18	80	711,047
4	Liquors, malt	3	57	3	5	6	1	42	Jy 4 45	Oc 4 39	39	39	.....	.....	.....	902,905
5	Marble and stone work	6	105	6	5	2	.....	92	No 100	Ja 80	96	96	.....	.....	.....	364,645
6	Printing, job	6	35	6	2	.....	2	25	(3) 25	(3) 25	25	18	4	3	.....	78,579
7	Printing and publishing, newspapers and periodicals.	9	103	13	10	7	4	69	No 75	Ap 65	72	54	11	7	.....	306,625
8	Silk goods, including throwsters	5	1,086	.....	17	7	10	1,052	Oc 1,118	Ja 963	1,134	400	656	33	45	2,513,105
9	Tobacco, cigars	7	1,049	3	65	16	9	956	De 1,410	Au 135	1,410	84	1,311	6	9	1,622,249
10	All other industries*	29	14,025	19	629	723	370	12,284	.....	.....	12,958	12,706	232	20	.....	108,519,944

*All other industries embrace—
Automobile repairing 1
Bookbinding and blank-book making 1
Boxes, set-up paper boxes 1
Chemicals 1
Clothing, women's, shirt waists and dresses, except house dresses 1
Coal-tar products 1
Coke, not including gas-house coke 1
Confectionery, ice cream 2
Cooperage, hogsheads and barrels 1
Copper, tin, and sheet-iron work 1
Electrical machinery, apparatus, and supplies 1
Flour-mill and gristmill products 1
Foundry and machine-shop products 1
Furniture, wood, other than rattan and willow 1

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

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

Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
2,079,474	1,701,250	14,583,138	3,026,345	212,580	3,570,247	49,674,923	1,445,111	90,834,488	39,714,454	28,333	16,740	190	70	50	11,283	2,155	1
11,700	9,894	134,752	520	10,164	3,966	112,134	7,436	340,119	220,549	157	.....	.....	.....	.....	157	.....	2
138,644	125,249	599,589	.....	10,706	35,302	2,229,181	17,964	3,662,678	1,415,533	376	175	.....	.....	.....	201	25	3
17,066	13,607	256,784	.....	5,289	4,652	1,074,183	34,615	1,617,106	508,308	213	.....	.....	.....	.....	213	.....	4
9,297	4,107	51,275	.....	3,299	2,053	13,434	29,987	186,720	143,299	223	183	.....	.....	.....	40	.....	5
12,250	6,673	53,367	1,706	6,490	1,234	336,789	8,137	555,535	210,609	164	25	.....	5	.....	134	.....	6
.....	1,018	.....	.....	614	292	9,229	527	16,115	6,359	.....	.....	.....	.....	.....	.....	.....	7
12,250	5,655	53,367	1,706	5,876	942	327,560	7,610	539,420	204,250	164	25	.....	5	.....	134	.....	8
3,200	1,854	52,308	.....	960	287	65,396	480	141,763	75,887	20	.....	.....	.....	.....	20	.....	9
111,341	110,715	578,923	.....	11,776	51,604	842,895	42,923	2,153,459	1,267,641	3,043	355	.....	32	.....	2,656	130	10
149,496	16,081	388,640	.....	8,488	16,930	515,905	25,636	1,389,620	848,079	883	660	.....	.....	.....	223	97	11
39,971	19,460	165,137	.....	4,342	5,935	515,807	10,163	909,295	383,325	275	200	.....	.....	.....	75	100	12
40,480	24,096	115,424	.....	.....	557,806	457,527	38,537	1,544,447	1,048,383	1,290	775	.....	.....	.....	515	174	13
12,193	4,502	94,967	.....	.....	3,157	156,317	8,103	340,904	176,484	728	200	.....	.....	.....	528	.....	14
7,417	5,015	46,081	.....	608	788	115,937	5,077	208,864	87,850	195	.....	.....	.....	.....	195	.....	15
.....	738	11,060	.....	975	948	39,507	1,232	94,766	54,027	36	.....	.....	.....	.....	36	.....	16
1,300	1,396	249	93	360	186	9,776	126	25,621	15,719	2	.....	.....	.....	.....	2	.....	17
12,462	1,000	69,856	.....	4,011	615	47,017	8,604	160,155	104,534	539	150	.....	.....	.....	389	.....	18
12,324	4,661	106,954	3,465	5,371	3,139	170,563	4,224	375,946	201,159	109	.....	.....	.....	.....	109	.....	19
496,094	323,795	3,642,753	2,913,682	65,390	916,155	10,621,346	180,873	22,776,437	11,974,218	3,849	1,910	.....	.....	50	1,889	253	20
477,053	316,922	3,393,445	2,913,682	63,400	910,811	10,575,110	164,880	22,330,688	11,590,698	3,464	1,910	.....	.....	50	1,504	253	21
18,441	6,873	249,308	.....	1,990	5,344	46,236	15,993	445,749	383,520	385	.....	.....	.....	.....	385	.....	22
61,287	7,120	158,756	.....	9,015	29,843	243,601	3,742	606,914	359,571	163	70	.....	.....	.....	93	.....	23
135,860	67,807	1,069,744	5,055	17,294	511,589	1,613,568	14,074	4,023,346	2,395,704	148	85	.....	.....	.....	63	9	24
807,092	953,489	6,986,519	101,824	48,042	1,424,067	30,494,040	1,003,178	49,720,793	18,223,575	15,920	11,952	190	33	.....	3,745	1,367	25

House-furnishing goods, comforts and quilts 1
Ice, manufactured 2
Instruments, professional and scientific 2
Iron and steel, steel works and rolling mills 1
Jewelry 1
Jute goods 1
Leather, tanned, curried, and finished 1
Lime 2
Mattresses and spring beds, not elsewhere specified 1
Minerals and earths, ground or otherwise treated 1
Models and patterns, not including paper patterns 1
Musical instruments and materials, not elsewhere specified 1
Optical goods 1
Photo-engraving 1
Printing and publishing, music 1
Printing and publishing, newspapers and periodicals 8
Pumps, power, other than steam 1
Regalia, and society badges and emblems 1
Saddlery and harness 2
Slaughtering and meat packing 1
Soap 2
Stamped ware, not elsewhere specified 1
Steam fittings and steam and hot-water heating apparatus 1
Structural ironwork, not made in steel works or rolling mills 4
Tobacco, smoking 1
Tools, not elsewhere specified 1
Trunks and valises 1
Typewriters and parts 1
Washing machines and clothes wringers 1
Window and door screens 1

913,638	740,336	19,367,447	24,871	13,790	304,695	30,301,891	863,784	53,946,093	22,780,418	10,790	9,770	.....	.....	.....	1,020	11,709	1
.....	.....	2,235	.....	510	3	11,637	57	20,554	8,860	2	.....	.....	.....	.....	2	.....	2
18,654	20,409	117,487	.....	1,164	2,743	645,198	13,159	950,780	292,423	140	60	.....	.....	.....	80	5	3
.....	600	4,531	.....	180	103	5,072	219	13,213	7,922	.....	.....	.....	.....	.....	.....	.....	4
21,720	8,520	106,404	.....	.....	234,887	117,595	56,909	771,067	596,563	704	460	.....	.....	.....	244	45	5
2,391	7,596	23,931	143	2,786	60	53,140	1,021	118,411	64,250	25	.....	.....	.....	.....	25	.....	6
34,706	90,114	133,656	92	1,118	2,753	248,181	5,098	642,237	388,958	231	.....	.....	.....	.....	231	.....	7
836,167	613,097	18,979,203	24,636	8,032	64,146	29,221,068	787,321	51,429,831	21,421,442	9,688	9,250	.....	.....	.....	438	11,659	8

Ice, manufactured 2
Iron and steel, welding 1
Lumber and timber products 2
Lumber, planing-mill products, not including planing mills connected with sawmills 2
Marble and stone work 2
Minera and carbonated waters 2
Optical goods 1
Patent and proprietary medicines 1
Silk goods 1
Stoves and hot-air furnaces 1
Tobacco, cigars 1

2,986,587	1,543,403	21,656,870	178,425	49,724	1,481,720	43,144,765	12,234,261	102,567,075	47,188,049	84,890	47,912	11,800	21,540	60	3,578	166,997	1
.....	1,806	69,900	.....	6,215	1,046	228,454	7,593	368,780	132,733	33	.....	.....	.....	.....	33	.....	2
38,703	4,740	216,274	.....	1,300	27,969	680,512	8,858	1,225,677	536,307	212	90	.....	.....	.....	122	2	3
15,996	10,912	52,434	.....	.....	135,216	92,980	11,281	442,430	338,169	347	280	.....	.....	.....	67	.....	4
6,420	2,460	76,238	.....	60	1,668	18,435	5,222	121,886	98,229	341	300	.....	.....	.....	41	.....	5
2,863	964	18,514	.....	1,224	730	24,253	1,229	68,847	43,365	36	.....	.....	.....	.....	36	.....	6
20,860	9,915	90,082	9,164	1,496	2,783	73,213	4,271	262,355	184,871	127	.....	.....	.....	.....	127	.....	7
111,754	13,875	814,534	163,303	4,188	128,079	1,988,424	93,285	4,423,130	2,341,421	1,696	550	.....	.....	.....	1,146	.....	8
89,438	61,407	664,082	5,643	13,200	333,713	1,001,064	8,920	2,644,265	1,634,281	139	100	.....	.....	.....	39	5	9
2,700,553	1,437,324	19,654,803	315	22,041	849,916	39,037,430	12,093,602	93,009,705	41,878,673	81,959	46,592	11,800	21,540	60	1,967	166,990	10

Ice, manufactured 1
Iron and steel, blast furnaces 1
Iron and steel, steel works and rolling mills 1
Lumber, planing-mill products, not including planing mills connected with sawmills 1
Mineral and carbonated waters 1
Minerals and earths, ground or otherwise treated 1
Paints 1
Patent and proprietary medicines 1
Paving materials 1
Structural ironwork, not made in steel works or rolling mills 2
Toys and games 1
Window and door screens 1

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	**CHESTER**—All industries	127	20,827	107	541	1,030	472	18,677	Fe 20,287	Ap 17,826	19,735	17,620	2,055	41	19	*Dollars.* 78,926,038
2	Automobile repairing	4	15	4				11	(3) 11	(3) 11	11	11				43,653
3	Bread and other bakery products	15	115	16	5	12	6	76	Oc 85	Mh 67	76	71	3	2		189,142
4	Confectionery and ice cream	11	77	15	2			60			83	61	22			203,823
5	Confectionery	4	18	5				13	De 14	Ja 4 12	16	12	4			54,470
6	Ice cream	7	59	10	2			47	My 4 50	Se 36	67	49	18			239,353
7	Foundry and machine-shop products	4	51	5	4	2	2	38	De 46	My 31	46	46				100,730
8	Iron and steel, steel works and rolling mills.	5	2,235		76	200	54	1,905	Fe 2,332	My 1,691	1,719	1,717	2			10,792,564
9	Lumber, planing-mill products, not including planing mills connected with sawmills.	3	141	3	5	2	6	125	Oc 152	Fe 92	139	139				471,068
10	Mineral and carbonated waters	4	12	5	1			6	My 4 7	Ja 4 5	7	7				57,000
11	Models and patterns, not including paper patterns.	4	28	4			1	23	De 27	Je 18	27	26	1			52,218
12	Printing and publishing, book and job	6	19	8				11	Oc 4 14	Ja 4 8	15	9	5	1		41,554
13	All other industries *	71	18,134	47	448	814	403	16,422			17,612	15,533	2,022	38	19	66,883,986

*All other industries embrace—
Artists' materials, crayons 1
Automobile bodies and parts 1
Belting, leather 1
Brass and bronze products 2
Brick and tile, terra-cotta, and fire-clay products 3
Carriage and wagon materials 1
Cars and general shop construction and repairs by electric-railroad companies 1
Chemicals 2
Coffee, roasting and grinding 1
Copper, tin, and sheet-iron work 4
Cordage and twine 1
Cotton goods 5
Cotton lace 1
Cutlery and edge tools 1
Dairymen's supplies 1
Dyeing and finishing textiles, exclusive of that done in textile mills 1
Dyestuffs and extracts—natural 1
Furniture, wood, other than rattan and willow 2
Grease and tallow, not including lubricating greases 1
House-furnishing goods, comforts and quilts 1

1	**ERIE**—All industries	293	15,484	213	627	813	534	13,297	De 14,429	Ap 12,296	14,636	12,571	1,787	220	58	68,362,291
2	Artificial stone products	7	19	9				10	Se 16	Ja 4 6	19	19				45,707
3	Brass, bronze, and copper products	6	161	2	10	4	7	138	De 154	Ap 127	152	152				508,303
4	Bread and other bakery products	36	245	33	11	9	8	184	Jy 189	Ja 169	194	160	29	4	1	726,059
5	Confectionery and ice cream	6	198	1	17	9	13	158	Je 184	Ja 128	156	104	52			618,249
6	Cooperage, hogsheads and barrels	3	12	3				9	Fe 16	Oc 4 1	15	15				9,023
7	Copper, tin, and sheet-iron work	9	95	13	3	3	2	74	Oc 86	Mh 57	88	88				282,499
8	Flour-mill and gristmill products	5	53	2	12	10		29	Jy 4 33	Ja 4 27	28	28				590,987
9	Foundry and machine-shop products	31	4,441	14	141	180	98	4,008			4,496	4,209	243	44		18,336,969
10	Boiler shops and foundries	9	2,724	1	62	92	38	2,531	De 2,821	My 2,199	2,822	2,615	163	44		9,778,115
11	Machine shops, including machine shops and foundries combined.	22	1,717	13	79	88	60	1,477	No 1,684	Ja 1,321	1,674	1,594	80			8,558,854
12	Iron and steel, steel works and rolling mills.	4	1,369		52	78	35	1,204	Ja 1,661	Je 997	1,176	1,173	3			6,902,730
13	Lumber, planing-mill products, not including planing mills connected with sawmills.	12	206	11	23	13	9	150	Je 4 158	Fe 136	153	151	2			1,741,480
14	Marble and stone work	5	16	7		2		7	My 10	Ja 4 4	8	8				38,708
15	Mineral and carbonated waters	6	29	9	1	1	1	17	Jy 4 21	Ja 4 14	13	12	1			88,877
16	Models and patterns, not including paper patterns.	5	41	6				35	No 39	Fe 28	35	35				47,086
17	Oil, composite	3	43		14	14	4	11	(3) 11	(3) 11	11	11				536,641
18	Optical goods	3	24	1	3	2	3	15	Ja 16	De 14	14	11	1	2		47,287
19	Printing and publishing, book and job.	16	276	9	21	8	11	227	No 253	Je 209	248	142	101	4	1	785,736
20	Printing and publishing, newspapers and periodicals.	8	201	2	16	41	25	117	No 123	Au 109	122	109	11	2		425,500
21	Stamped and enameled ware, not elsewhere specified.	3	78		10	4	8	56	De 78	Mh 46	78	68	7	2	1	322,654
22	Tobacco, cigars	16	89	18	1	2		68	Ja 71	Jy 4 65	69	53	12	3	1	73,420
23	All other industries *	109	7,888	73	292	433	310	6,780			7,561	6,023	1,325	159	54	36,178,476

*All other industries embrace—
Aluminum manufactures 2
Automobile bodies and parts 2
Automobiles 1
Automobile repairing 2
Awnings, tents, and sails 3
Babbitt and white metal 2
Boxes, paper, set-up paper boxes and shipping containers 2
Brooms 2
Canning and preserving, fish 2
Carpets, rag 2
Carriage and wagon materials 1
Carriages and sleds, children's 1
Cars and general shop construction and repairs by steam-railroad companies 3
Cars, steam-railroad, not including operations of railroad companies 1
Chemicals 1
Clothing, men's and youths' 3
Coffee, roasting and grinding 2
Coffins, burial cases, and undertakers' goods 2
Cork, cutting 1
Corsets 1
Dairymen's supplies, cream separators 1
Druggists' preparations 1
Electrical machinery, apparatus, and supplies 2
Engines, steam, gas, and water 3
Food preparations, macaroni, vermicelli, and noodles 2
Fur goods 1
Furniture, store and office fixtures 1
Gas fixtures 2
Gas and water meters 1
Grease and tallow, not including lubricating greases 1
Hand stamps 1
Hardware 1
House-furnishing goods, mops and dusters 1
Ice, manufactured 1
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills 2

1	**HARRISBURG**—All industries	216	12,176	204	546	627	277	10,522	Ja 12,215	Mh 9,701	11,073	8,182	2,830	31	30	38,756,528
2	Automobile repairing	12	91	8	2	4	4	73	Au 84	Ja 66	69	68	1			124,404
3	Awnings, tents, and sails	5	11	6				5	My 10	Ja 4 2	10	6	4			6,177
4	Boxes, paper, set-up paper boxes and shipping containers.	3	68		6	1	2	59	De 110	Jy 35	125	29	86	1	9	48,400
5	Bread and other bakery products	31	340	33	27	47	15	218	Oc 4 232	Ja 196	229	192	32	5		1,458,538
6	Confectionery and ice cream	18	276	24	9	36	11	196			179	79	98	2		576,861
7	Confectionery	8	221	12	4	35	9	161	Se 191	Je 145	144	50	93	1		314,429
8	Ice cream	10	55	12	5	1	2	35	Jy 4 41	Ja 30	35	29	5	1		202,432
9	Copper, tin, and sheet-iron work	4	29	4	2		2	21	Je 24	Ja 17	22	20		2		52,464
10	Food preparations, not elsewhere specified.	4	19	6				13	Oc 4 22	Ja 4 11	23	10	12		1	17,592
11	Iron and steel, steel works and rolling mills.	5	2,609	2	80	78	5	2,444	Ja 3,806	Au 2,019	2,204	2,201	3			11,244,618

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.										POWER.							
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.							Electric horsepower generated in establishments reporting.
											Owned.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of product.	Value added by manufacture.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
2,470,092	2,350,084	27,414,263	87,265	116,680	2,445,995	49,791,245	2,880,970	95,949,003	43,270,788	44,048	13,890	1,300	39	25	28,794	6,060	1
.....	.....	16,751	2,126	2,400	471	32,809	693	63,710	30,208	14	.....	.....	.....	.....	14	.....	2
20,315	29,548	104,090	.....	5,860	6,925	433,996	13,026	680,489	233,467	68	.....	.....	.....	.....	68	.....	3
6,100	.....	49,568	1,200	2,800	2,273	136,179	4,556	254,181	113,446	63	.....	.....	.....	.....	63	.....	4
.....	.....	12,386	.....	1,800	335	20,930	546	41,462	19,986	8	.....	.....	.....	.....	8	.....	5
6,100	.....	37,182	1,200	1,000	1,938	115,249	4,010	212,719	93,460	55	.....	.....	.....	.....	55	.....	6
9,403	3,792	64,035	.....	.....	367	19,117	3,414	126,332	103,801	69	.....	.....	.....	.....	69	.....	7
271,772	454,460	2,833,672	.....	.....	174,957	3,327,919	710,168	8,373,774	4,335,687	4,877	2,370	.....	.....	.....	2,507	4,100	8
14,300	8,699	155,521	.....	.....	2,538	300,333	4,962	612,604	307,309	311	175	.....	.....	.....	136	.....	9
1,404	.....	6,908	.....	.....	952	12,960	562	26,342	12,820	13	.....	.....	.....	.....	13	.....	10
.....	720	34,604	.....	600	270	29,318	1,668	95,762	64,776	44	.....	.....	31	.....	13	.....	11
.....	.....	8,992	.....	1,680	61	21,453	651	42,481	20,377	8	.....	.....	.....	.....	8	.....	12
2,146,798	1,852,865	24,140,122	83,930	103,340	2,257,181	45,477,161	2,141,270	85,673,328	38,054,897	38,581	11,345	1,300	8	25	25,903	1,960	13

Ice, manufactured..... 2
Iron and steel, blast furnaces..... 1
Iron and steel forgings, not made in steel works or rolling mills..... 2
Iron and steel, wrought pipe..... 1
Leather, tanned, curried, and finished 2
Liquors, malt..... 1
Looking-glass and picture frames.... 2
Marble and stone work..... 2
Mattresses and spring beds, not elsewhere specified..... 1
Paper and wood pulp..... 1
Paving materials..... 1
Printing and publishing, newspapers and periodicals..... 3
Rubber tires, tubes, and rubber goods, not elsewhere specified..... 1
Saddlery and harness..... 2
Shipbuilding, steel, new vessels..... 2
Slaughtering and meat packing..... 2
Steam packing..... 1
Structural ironwork, not made in steel works or rolling mills..... 1
Textile machinery and parts..... 1
Tobacco, cigars..... 5
Wool shoddy..... 1
Woolen goods..... 1
Worsted goods..... 3

2,593,528	1,856,795	16,574,217	427,959	80,646	2,874,545	29,747,958	1,750,894	70,407,540	38,908,688	40,519	14,292	50	1,030	.....	25,147	7,940	1
.....	.....	16,273	.....	144	422	26,817	1,150	56,248	28,281	135	.....	.....	2	.....	133	.....	2
52,265	11,379	195,152	.....	480	24,761	451,939	26,772	874,047	392,336	767	.....	.....	.....	.....	767	.....	3
29,542	30,646	227,670	.....	5,339	9,908	1,038,303	30,751	1,589,492	520,438	255	.....	.....	17	.....	238	.....	4
40,734	11,700	174,481	.....	7,980	93,421	748,197	21,196	1,194,382	424,989	1,060	125	.....	330	.....	605	218	5
30	384	4,558	.....	50	912	21,970	201	32,004	9,833	20	.....	.....	.....	.....	20	.....	6
5,000	5,670	93,484	.....	240	3,674	127,899	1,145	303,142	174,128	46	.....	.....	.....	.....	46	.....	7
28,063	21,767	30,755	.....	330	5,727	1,142,614	9,680	1,396,758	244,464	516	.....	.....	120	.....	396	.....	8
703,768	460,870	5,702,483	.....	4,462	1,072,644	7,688,552	537,115	21,008,989	12,783,322	8,207	1,629	.....	147	.....	6,431	5,701	9
300,804	202,935	3,672,266	.....	600	385,992	3,777,026	370,069	10,928,668	6,781,573	2,547	209	.....	.....	.....	2,338	4,188	10
402,964	257,035	2,090,217	.....	3,862	686,652	3,911,526	167,046	10,080,321	6,001,749	5,660	1,420	.....	147	.....	4,093	1,513	11
267,973	139,603	1,711,078	.....	.....	20,018	1,745,495	498,416	4,458,025	2,214,114	9,650	1,650	50	.....	.....	7,950	6	12
60,030	21,392	138,688	.....	9,754	25,627	620,221	14,125	1,005,596	371,250	999	630	.....	25	.....	344	.....	13
.....	2,201	9,848	.....	1,455	197	43,701	559	78,630	34,370	18	.....	.....	11	.....	7	.....	14
2,600	1,513	16,593	.....	1,909	4,934	33,692	822	115,907	81,393	46	.....	.....	.....	.....	46	.....	15
.....	.....	46,269	.....	1,452	272	27,836	1,097	339,849	310,916	89	.....	.....	6	.....	83	.....	16
49,208	40,969	16,623	.....	1,050	5,482	607,121	2,031	815,398	206,246	59	40	.....	.....	.....	19	.....	17
9,499	4,316	14,969	.....	3,450	2,669	62,610	358	118,794	55,826	9	.....	.....	.....	.....	9	.....	18
35,309	16,668	187,660	.....	7,812	6,745	270,005	6,510	663,756	387,241	156	.....	.....	15	.....	141	80	19
75,661	70,961	171,661	1,104	10,807	33,934	186,628	5,629	899,287	617,030	187	.....	.....	.....	.....	187	.....	20
26,684	7,930	58,006	.....	.....	2,653	144,699	7,160	310,657	158,798	172	.....	.....	.....	.....	172	.....	21
1,000	6,500	90,905	.....	2,932	25,326	95,081	439	232,932	137,392	1	.....	.....	.....	.....	1	.....	22
1,205,562	1,002,326	7,597,061	426,855	21,000	1,527,119	14,661,608	585,718	35,003,647	19,756,321	18,127	10,218	.....	357	.....	7,552	1,935	23

Iron and steel, cast-iron pipe..... 1
Iron and steel, welding..... 2
Liquors, malt..... 2
Lithographing..... 2
Locomotives, not made by railroad companies..... 1
Looking-glass and picture frames.... 1
Machine tools..... 1
Mattresses and spring beds, not elsewhere specified..... 1
Musical instruments, organs..... 1
Musical instruments, organ materials 1
Oilcloth and linoleum, floor..... 1
Paper and wood pulp..... 1
Patent and proprietary medicines... 1
Petroleum, refining..... 1
Photo-engraving..... 2
Plumbers' supplies, not elsewhere specified..... 3
Rubber tires, tubes, and rubber goods, not elsewhere specified..... 2
Sausage, not made in slaughtering and meat-packing establishments..... 2
Shipbuilding, wooden, including boat building..... 2
Shirts..... 1
Signs and advertising novelties..... 1
Silk goods..... 1
Slaughtering and meat packing..... 2
Soap..... 1
Stereotyping and electrotyping..... 1
Stoves and ranges..... 1
Stoves, gas and oil..... 3
Structural ironwork, not made in steel works or rolling mills..... 1
Suspenders, garters, and elastic woven goods..... 1
Textile machinery and parts..... 1
Tobacco, chewing..... 1
Tools, not elsewhere specified..... 4
Toys and games..... 1
Wall plaster and composition flooring. 2
Washing machines and clothes wringers..... 1
Wirework, woven-wire fencing..... 1

1,535,755	1,171,750	11,847,140	288,189	103,949	1,621,822	24,645,809	1,392,786	52,152,818	26,114,223	27,363	17,140	170	200	.....	9,853	5,952	1
3,120	6,692	89,699	2,667	10,040	2,113	56,422	2,126	191,751	133,203	59	.....	.....	.....	.....	59	.....	2
.....	.....	3,320	200	769	.....	7,722	157	16,303	8,424	4	.....	.....	.....	.....	4	.....	3
6,849	2,319	26,475	.....	500	555	46,933	1,225	104,162	56,004	45	.....	.....	.....	.....	45	.....	4
37,173	85,478	222,996	184	3,788	7,957	1,285,189	36,921	1,883,061	560,951	287	3	.....	.....	.....	284	4	5
35,276	63,106	125,011	22	10,441	69,293	617,915	17,090	1,137,650	502,645	381	150	.....	.....	.....	231	.....	6
16,876	59,622	86,584	22	9,644	57,317	327,038	6,024	681,695	348,633	78	.....	.....	.....	.....	78	.....	7
18,400	3,484	38,427	.....	797	11,976	290,877	11,066	455,955	154,012	303	150	.....	.....	.....	153	.....	8
3,274	1,165	22,290	.....	.....	558	28,168	317	68,218	39,733	.....	.....	.....	.....	.....	.....	.....	9
.....	1,710	7,450	.....	900	594	54,085	951	83,017	27,981	10	7	.....	.....	.....	3	.....	10
384,351	144,952	3,403,311	.....	344	446,198	7,088,528	911,040	13,739,153	5,739,585	17,353	12,375	.....	.....	.....	4,978	4,704	11

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.		Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
	HARRISBURG—Continued.																	*Dollars.*
1	Knit goods	5	689	.....	19	55	38	577	Fe	604	Oc	549	584	89	488	2	5	2,006,219
2	Mineral and soda waters	6	47	9	8	2	3	25	Jy[3]	29	Je[3]	21	24	24	.....	.....	.....	250,913
3	Patent and proprietary medicines	9	37	18	1	6	2	10	(4)	10	(4)	10	10	3	6	1	.....	24,538
4	Printing and publishing, book and job.	19	311	25	8	7	15	256	De	289	Ja	235	289	189	91	5	4	704,850
5	Printing and publishing, newspapers and periodicals.	8	555	4	28	112	47	364	De	405	Ja	353	405	269	136	.....	.....	1,262,790
6	Tobacco, cigars	14	859	8	35	7	5	804	De	874	Au	744	998	69	928	1	.....	1,030,418
7	All other industries*	73	6,235	57	321	272	128	5,457	.....		.....		5,002	4,934	945	12	11	19,847,686

*All other industries embrace—
Artificial limbs 2
Artificial stone products 1
Automobile bodies and parts 2
Bookbinding and blank-book making 1
Boots and shoes 4
Boxes, wooden packing, except cigar boxes 1
Brass and bronze products 1
Brooms, from broom corn 1
Butter 1
Carpets, rag 1
Carriages and wagons, including repairs 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
Clothing, women's 3
Coffee, roasting and grinding 1
Coffins, burial cases, and undertakers' goods 1
Collars and cuffs, men's 2
Condensed milk 1
Dental goods 2
Druggists' preparations 1
Engines, steam, gas, and water 1
Ferroalloys 1
Foundry and machine-shop products 6

1	**JOHNSTOWN**—All industries	149	14,864	126	650	881	352	12,855	Ja	16,908	Oc	3,417	12,801	12,265	497	39	.....	63,099,870
2	Automobile repairing	12	62	10	3	1	2	46	Jy[3]	53	Ja	37	48	48	.....	.....	.....	89,048
3	Bread and other bakery products	16	182	16	11	18	7	130	Au	137	Fe	122	111	75	33	3	.....	366,679
4	Confectionery and ice cream	9	95	13	7	2	12	61	Je	79	Fe	48	83	44	37	2	.....	258,177
5	Copper, tin, and sheet-iron work	5	29	8	5	.....	3	13	Oc	16	Fe	9	13	12	.....	1	.....	38,532
6	Foundry and machine-shop products	8	1,288	5	98	93	41	1,051	Ja	1,224	Se	978	1,051	1,040	5	6	.....	13,678,582
7	Lumber, planing-mill products, not including planing mills connected with sawmills.	7	75	6	11	5	1	52	No	66	Ja	34	58	58	.....	.....	.....	311,477
8	Mineral and carbonated waters	9	31	10	2	3	.....	16	No	22	Ja[3]	10	23	20	.....	3	.....	148,522
9	Printing and publishing, book and job.	8	101	7	10	2	7	75	Au	77	Fe[3]	73	88	51	36	1	.....	197,497
10	Printing and publishing, newspapers and periodicals.	5	167	3	31	.....	8	125	De	129	Ja[3]	120	125	107	15	3	.....	572,937
11	Slaughtering and meat packing	4	102	1	9	19	4	69	De	113	My	57	113	91	22	.....	.....	914,454
12	All other industries*	66	12,732	47	463	738	267	11,217	.....		.....		11,088	10,719	349	20	.....	46,523,965

* All other industries embrace—
Artificial stone products 2
Automobiles 1
Awnings, tents, and sails 2
Boxes, wooden packing, except cigar boxes 1
Brass and bronze products 1
Brick, building and fire 4
Brooms, from broom corn 1
Carriages and wagons, including repairs 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
Chemicals 1
Clothing, men's 1
Coal-tar products 1
Coke, not including gas-house coke 1
Cooperage 1
Dental goods 1
Electrical machinery, apparatus, and supplies 1
Flour-mill and gristmill products 1
Food preparations, not elsewhere specified 2
Furniture, wood, other than rattan and willow 1
Glass, cutting, staining, and ornamenting 2
Gloves and mittens, cloth, not including gloves made in textile mills 1

1	**LANCASTER**—All industries	285	10,904	286	375	471	328	9,444	De	10,221	Ap	8,938	10,381	6,851	3,184	219	127	38,141,645
2	Automobile bodies and parts	6	85	9	7	1	1	67	My[3]	85	Au	39	73	73	.....	.....	.....	149,457
3	Automobile repairing	4	49	2	3	1	2	41	Oc[3]	44	My	37	44	43	1	.....	.....	56,212
4	Boxes, cigar	3	86	4	4	.....	2	76	No	80	Ap	72	79	32	44	1	2	99,190
5	Bread and other bakery products	28	249	26	10	32	31	150	Se	153	Fe	148	149	140	7	2	.....	659,257
6	Coffee, roasting and grinding	3	13	1	3	1	.....	8	(4)	8	(4)	8	8	8	.....	.....	.....	83,685
7	Confectionery and ice cream	30	854	24	24	39	40	727	.....		.....		762	282	393	57	30	1,089,182
8	Confectionery	20	809	14	22	39	39	695	Se	793	Ja	598	729	253	389	57	30	1,497,506
9	Ice cream	10	45	10	2	.....	1	32	Jy[3]	42	Ja	24	33	29	4	.....	.....	191,676
10	Copper, tin, and sheet-iron work	5	27	6	.....	.....	.....	21	My[3]	22	Mh	19	21	21	.....	.....	.....	35,546
11	Food preparations, not elsewhere specified.	5	117	11	1	14	1	90	De	130	Fe	68	130	127	3	.....	.....	720,503
12	Foundry and machine-shop products	14	1,330	11	32	55	12	1,220	De	1,365	Je	1,131	1,366	1,316	46	4	.....	3,340,304
13	Hardware	6	600	4	18	24	27	527	Ja	542	Je	511	558	439	111	7	1	1,041,039
14	Jewelry	4	47	6	4	2	4	31	De[3]	39	Mh[3]	26	38	35	2	1	.....	48,884
15	Liquors, malt	4	95	4	8	13	1	69	Au	81	Ja	51	74	73	1	.....	.....	716,071
16	Lumber, planing-mill products, not including planing mills connected with sawmills.	6	137	9	6	5	3	114	No	122	Fe	101	121	120	1	.....	.....	531,644
17	Mineral and carbonated waters	4	21	4	.....	1	1	15	(4)	15	(4)	15	15	14	1	.....	.....	70,650
18	Patent and proprietary medicines	7	23	8	1	3	2	9	(4)	9	(4)	9	9	6	3	.....	.....	11,200
19	Printing and publishing, book and job.	19	103	21	9	1	6	66	De	73	Ap	61	63	45	18	.....	.....	167,367
20	Printing and publishing, newspapers and periodicals.	9	457	10	21	46	27	353	De	378	Ja	331	378	258	42	78	.....	846,290
21	Tobacco, cigars	47	1,133	49	26	21	10	1,027	De	1,088	So	858	1,094	269	807	1	17	1,709,852
22	Umbrellas and canes	7	754	7	22	68	19	638	De	764	Jy	532	764	312	409	19	24	2,585,228
23	All other industries*	74	4,724	70	176	144	139	4,195	.....		.....		4,635	3,238	1,295	49	53	23,580,084

*All other industries embrace—
Automobiles 1
Babbitt metal 1
Bags, other than paper, not including bags made in textile mills 1
Bookbinding and blank-book making 2
Brass and bronze products 1
Brick, building 1
Butter 1
Carpets, rag 1
Carriage and wagon materials 1
Cars and general shop construction and repairs by electric-railroad companies 1
Cars and general shop construction and repairs by steam-railroad companies 1
Clothing, women's 1
Cooperage 1
Cork, cutting 1
Cotton goods 1
Dairymen's supplies, cream separators 1
Druggists' preparations 1
Electrical machinery, apparatus, and supplies 1
Fancy articles, metal novelties 1
Files 1
Flour-mill and gristmill products 1
Fur goods 1
Furniture, wood, other than rattan and willow 1
Gas, illuminating and heating 1
Glass, cutting, staining, and ornamenting 2
Grease, soap stock 1
Hand stamps 1
Ice, manufactured 1
Instruments, professional and scientific 1

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.						Electric horsepower generated in establishments reporting.
											Owned.					
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*							
79,019	100,259	290,006	.....	720	67,033	1,424,136	7,383	2,212,866	780,847	78	.....	.....	.....	.....	78	.....	1
10,205	2,450	19,984	.....	2,952	19,362	91,600	2,003	185,255	91,652	57	.....	.....	.....	.....	57	.....	2
520	11,538	4,741	.....	1,106	261	28,132	472	68,478	39,874	2	.....	.....	.....	.....	2	.....	3
26,648	21,904	280,885	4,796	3,696	3,534	215,965	7,463	636,831	413,403	639	80	.....	.....	.....	559	.....	4
71,189	173,220	352,019	12,750	12,183	7,176	304,170	11,629	1,422,587	1,106,788	608	.....	.....	.....	.....	608	.....	5
37,518	18,641	516,733	4,607	16,772	287,048	888,800	10,261	2,121,951	1,222,890	92	.....	.....	.....	.....	92	.....	6
840,613	538,316	6,482,220	262,962	39,738	710,140	12,508,041	383,748	28,282,035	15,390,243	7,748	4,525	170	200	.....	2,853	1,241	7

Furnishing goods, men's..... 1
Gas, illuminating and heating..... 2
Glass, cutting, staining, and ornamenting, decalcomania work..... 1
Hand stamps..... 2
Ice, manufactured..... 2
Iron and steel, welding..... 2
Jewelry..... 1
Liquors, malt..... 3
Looking-glass and picture frames..... 2
Lumber, planing-mill products, not including planing mills connected with sawmills..... 2
Marble and stone work..... 3
Mattresses and spring beds, not elsewhere specified..... 2
Models and patterns, not including paper patterns..... 1
Musical instruments and materials, not elsewhere specified..... 1
Ordnance and accessories..... 1
Peanuts, grading, roasting, cleaning, and shelling..... 1
Shirts..... 1
Signs, other than electric..... 1
Silk goods..... 1
Slaughtering and meat packing..... 3
Stationery goods, not elsewhere specified..... 1
Typewriters and parts..... 1
Wheelbarrows..... 1

1,966,646	1,700,800	23,196,967	118,284	76,679	2,469,538	41,882,762	11,542,363	90,468,742	37,043,617	159,999	99,327	54,935	110	.....	5,627	94,477	1
9,000	2,250	57,665	.....	4,694	1,307	89,525	2,582	213,263	121,156	35	.....	.....	.....	.....	35	.....	2
32,630	33,059	115,860	1,696	4,798	1,986	666,842	11,953	942,424	263,629	192	.....	.....	.....	.....	192	.....	3
10,823	7,102	66,271	.....	6,879	3,586	381,490	9,121	557,967	167,356	319	1	.....	.....	.....	309	.....	4
7,184	1,794	16,624	.....	876	715	17,266	409	42,990	25,315	1	.....	.....	.....	.....	1	.....	5
267,749	198,985	1,595,465	.....	735	211,273	2,518,742	269,328	6,312,354	3,524,284	1,759	1,620	85	12	.....	42	7,829	6
19,146	5,613	94,094	12,468	1,266	3,408	348,003	4,554	513,327	160,770	413	.....	.....	.....	.....	413	.....	7
3,175	1,930	21,061	300	500	4,633	56,047	2,301	112,273	53,925	53	.....	.....	.....	.....	53	.....	8
15,485	4,793	71,547	.....	4,182	563	81,496	2,917	223,960	139,547	63	.....	.....	.....	.....	63	.....	9
52,865	4,804	133,788	1,321	6,740	22,294	139,431	4,828	561,779	417,520	136	.....	.....	.....	.....	136	.....	10
12,600	24,720	88,452	.....	175	10,653	2,379,725	11,427	2,618,042	226,890	696	520	.....	.....	.....	176	90	11
1,535,989	1,415,741	20,936,140	102,499	45,834	2,209,120	35,204,195	11,222,943	78,370,363	31,943,225	156,341	97,186	54,850	98	.....	4,207	86,558	12

Hand stamps..... 1
Ice, manufactured..... 2
Iron and steel, blast furnaces..... 1
Iron and steel, steel works and rolling mills..... 1
Lime..... 1
Liquors, malt..... 4
Looking-glass and picture frames..... 1
Malt..... 1
Mattresses and spring beds, not elsewhere specified..... 2
Models and patterns, not including paper patterns..... 1
Optical goods..... 1
Paints..... 1
Patent and proprietary medicines..... 2
Phonographs and graphophones..... 1
Photo-engraving..... 1
Saddlery and harness..... 2
Silk goods..... 1
Soap..... 1
Springs, steel, railway and automobile..... 2
Stamped and enameled ware, not elsewhere specified..... 1
Steam fittings and steam and hot-water heating apparatus..... 2
Steam packing..... 1
Stoves, gas and oil..... 1
Structural ironwork, not made in steel works or rolling mills..... 1
Tobacco, cigars..... 1
Wall plaster and composition flooring..... 1
Wire..... 1

1,312,675	969,069	8,547,340	266,959	124,757	1,914,878	25,975,980	744,427	48,025,759	21,305,352	21,154	4,524	302	29	95	16,204	172	1
8,317	2,600	65,283	.....	2,840	209	77,523	2,022	186,413	106,868	50	.....	.....	.....	.....	50	.....	2
3,450	2,092	50,247	.....	1,783	143	25,533	1,803	95,689	68,353	44	.....	.....	27	.....	17	.....	3
10,685	1,455	45,430	9,608	1,225	98	91,965	1,856	184,663	90,842	57	.....	.....	.....	.....	57	.....	4
44,429	56,853	152,376	555	6,050	16,630	761,954	20,995	1,229,274	446,325	212	5	.....	.....	.....	207	.....	5
6,749	1,300	9,624	.....	.....	583	107,141	827	159,441	51,473	30	.....	.....	.....	.....	30	.....	6
84,167	62,943	402,533	4,461	11,591	121,312	1,694,091	39,090	2,971,765	1,238,584	1,715	125	.....	.....	.....	1,590	17	7
81,800	62,228	372,489	4,461	11,101	119,476	1,516,275	30,353	2,710,053	1,163,425	1,549	.....	.....	.....	.....	1,549	.....	8
2,367	715	30,044	.....	490	1,836	177,816	8,737	261,712	75,159	166	125	.....	.....	.....	41	17	9
.....	.....	21,851	.....	708	79	42,332	405	81,300	38,563	2	.....	.....	.....	.....	2	.....	10
1,645	27,801	93,007	.....	2,856	1,074	3,331,818	7,074	3,650,282	261,390	610	40	.....	.....	.....	570	.....	11
174,247	107,649	977,803	2,187	9,358	240,094	1,799,039	57,894	4,889,042	3,032,109	1,908	125	.....	.....	.....	1,783	.....	12
202,971	57,030	435,159	.....	1,660	14,398	592,198	20,530	1,696,722	1,083,994	502	125	.....	.....	.....	377	.....	13
10,648	3,096	24,920	.....	690	706	44,765	638	106,663	61,260	18	.....	.....	.....	.....	18	.....	14
19,975	15,590	83,847	.....	11,000	355,529	272,314	35,702	848,068	540,052	676	652	.....	.....	.....	24	40	15
15,983	7,681	107,221	.....	7,285	6,506	271,489	6,103	588,978	311,386	498	180	.....	.....	.....	318	.....	16
.....	2,260	13,509	.....	300	1,064	26,720	582	53,148	25,846	26	.....	.....	.....	.....	26	.....	17
1,800	1,400	3,344	5,800	765	116	19,657	693	51,352	31,002	32	.....	.....	.....	.....	32	.....	18
11,573	4,536	52,393	1,228	5,822	867	60,024	2,617	193,954	131,313	87	.....	.....	.....	.....	87	.....	19
28,037	69,987	287,302	30,456	2,855	2,866	303,153	10,477	860,198	546,568	372	.....	.....	.....	90	282	.....	20
51,435	44,952	752,934	6,491	21,869	435,342	1,579,671	17,887	3,369,615	1,772,057	346	125	.....	.....	.....	221	55	21
148,290	207,174	531,990	49,649	575	44,863	2,916,125	13,027	4,295,397	1,366,245	421	245	.....	.....	.....	176	60	22
488,274	292,670	4,436,567	150,524	38,525	672,399	11,908,468	504,205	22,513,765	10,101,122	13,548	2,902	302	2	5	10,337	.....	23

Iron and steel, steel works and rolling mills..... 1
Knit goods..... 1
Leather, tanned, curried, and finished..... 2
Marble and stone work, monuments and tombstones..... 2
Mattresses and spring beds, not elsewhere specified..... 2
Models and patterns, not including paper patterns..... 2
Oilcloth and linoleum, floor..... 1
Paints..... 1
Perfumery and cosmetics..... 1
Pottery, earthern and stone ware..... 1
Saddlery and harness..... 3
Screws, machine..... 1
Shirts..... 1
Signs, other than electric..... 2
Silk goods..... 2
Slaughtering and meat packing..... 1
Soap..... 1
Structural ironwork, not made in steel works or rolling mills..... 3
Tinware, not elsewhere specified..... 1
Tobacco, smoking, and snuff..... 3
Tools, not elsewhere specified..... 2
Toys and games..... 4
Vinegar..... 1
Washing machines and clothes wringers..... 1
Watches..... 1
Window and door screens and weather strips..... 1
Wooden goods, not elsewhere specified..... 1

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
1	**PHILADELPHIA**—All industries.	9,064	338,911	9,492	12,697	22,022	13,595	281,105	De 300,372	Mh 265,486	303,210	210,774	86,569	2,827	3,040	*Dollars.* 1,532,106,714
2	Artificial limbs	8	25	7	2	3	2	11	Oc [3] 13	Ja [3] 9	12	11	.....	1	.....	51,779
3	Artificial stone products	5	44	5	1	1	1	36	Oc 55	Fe [3] 16	46	46	.....	.....	.....	61,360
4	Asbestos products, not including steam packing.	4	220	2	15	19	9	175	Ja 230	Se 134	208	193	14	.....	1	608,323
5	Automobile bodies and parts	55	6,489	50	146	467	136	5,690	De 7,302	Ja 4,360	7,332	7,143	169	20	.....	18,712,623
6	Automobile repairing	382	3,036	420	122	130	79	2,285	De 2,437	Ja [3] 2,146	2,442	2,404	16	22	.....	5,205,416
7	Awnings, tents, and sails	47	246	47	20	13	5	161	Fe 199	Se 132	158	94	64	.....	.....	2,440,832
8	Babbitt metal and solder	14	250	12	14	28	12	184	Fe 234	Oc 154	165	165	.....	.....	.....	1,475,014
9	Bags, paper, not including bags made in paper mills.	10	62	11	2	3	1	45	De 53	Ap 35	67	35	28	3	1	184,613
10	Baskets, and rattan and willow ware.	15	273	16	3	26	18	210	No 237	Ja 186	233	161	69	1	2	377,733
11	Belting, leather	12	575	11	43	72	77	372	Oc 412	Je 311	403	368	34	1	.....	3,685,198
12	Belting, woven, other than rubber	4	613	2	20	70	59	462	No 529	Je 396	511	271	222	5	13	2,670,229
13	Billiard tables and accessories	4	30	4	3	.....	2	21	Oc [3] 23	Ja 17	23	22	.....	1	.....	116,801
14	Blacking, stains, and dressings	10	115	10	8	13	5	79	Fe 86	De 71	85	34	50	.....	1	448,225
15	Bookbinding and blank-book making	73	1,208	74	49	22	26	1,037	De 1,113	Ja 973	1,116	515	559	17	25	1,451,955
16	Boot and shoe findings	12	99	20	2	2	17	58	No 67	Ja [3] 48	66	45	21	.....	.....	169,561
17	Boots and shoes	41	4,315	50	185	125	132	3,823	De 4,002	Ja 3,654	4,022	2,457	1,442	54	69	13,156,379
18	Boxes, cigar	4	67	6	2	.....	2	57	Oc 64	My [3] 54	63	21	42	.....	.....	69,818
19	Boxes, paper and other, not elsewhere specified.	80	3,550	75	167	80	93	3,135	.....	.....	3,553	1,179	2,165	30	179	6,056,409
20	Shipping containers	6	457	2	21	18	13	403	De 482	Ja 332	482	264	215	1	2	1,200,816
21	Set-up paper boxes	59	2,604	58	118	34	62	2,332	De 2,633	Ja 2,128	2,625	666	1,780	22	157	3,621,518
22	Cartons	11	454	11	20	28	17	378	De 411	Ja 360	413	238	149	6	20	1,186,564
23	All other	4	35	4	8	.....	1	22	Oc [3] 33	Ja [3] 11	33	11	21	1	.....	47,511
24	Boxes, wooden packing, except cigar boxes.	33	790	36	63	11	10	670	De 814	My 575	812	704	7	11	.....	2,786,975
25	Brass, bronze, and copper products	57	1,724	47	151	95	57	1,374	.....	.....	1,513	1,468	41	4	.....	6,959,030
26	Brass and bronze	51	1,621	42	143	88	56	1,202	Ja 1,478	My 1,150	1,433	1,388	41	4	.....	6,093,212
27	All other	6	103	5	8	7	1	82	Ja 97	Mh 75	80	80	.....	.....	.....	865,818
28	Bread and other bakery products	810	7,837	837	155	930	267	5,648	.....	.....	5,944	4,516	1,408	13	7	50,232,207
29	Biscuit and crackers	7	1,613	2	40	82	51	1,438	Ja [3] 1,507	Oc 1,303	1,400	590	807	1	2	4,274,139
30	All other	803	6,224	835	115	848	216	4,210	De 4,492	Ja 4,009	4,544	3,926	601	12	5	45,958,068
31	Brick and tile, terra-cotta, and fire-clay products.	25	982	34	46	36	4	862	.....	.....	897	895	1	1	.....	3,152,619
32	Building brick	15	722	25	33	14	.....	650	Au 764	Fe 457	682	681	.....	1	.....	2,093,232
33	Fire brick	6	149	7	7	8	4	123	Mh 127	Jy 117	121	120	1	.....	.....	403,669
34	Stove lining and terra-cotta products.	4	111	2	6	14	.....	89	De 159	Mh 45	94	94	.....	.....	.....	655,718
35	Brooms	23	220	27	4	6	2	181	No 209	Mh 150	206	195	3	1	7	293,305
36	Brushes, other than toilet	28	313	33	29	12	4	235	De 252	My 214	248	204	37	4	3	763,636
37	Carpets and rugs, other than rag	44	7,275	36	181	165	82	6,811	De 7,910	Fe 5,076	8,012	4,964	2,854	89	105	39,315,222
38	Carpets, rag	18	151	25	4	4	2	116	De 143	Ja 101	143	102	41	.....	.....	333,655
39	Carriages and sleds, children's	7	203	7	7	13	14	162	Mh 173	Ja 145	167	153	14	.....	.....	526,368
40	Carriages and wagons, including repairs.	84	812	103	39	18	6	646	.....	.....	671	662	2	7	.....	1,279,346
41	Carriages and wagons	27	549	32	32	15	5	465	Au [3] 483	Ja 412	479	476	2	1	.....	774,658
42	Repair work only	57	263	71	7	3	1	181	Oc 196	Ja 163	192	186	.....	6	.....	504,688
43	Cars and general shop construction and repairs by steam-railroad companies.	10	6,783	.....	125	94	36	6,528	Ja 7,142	Je 5,964	6,946	6,691	255	.....	.....	10,876,150
44	Cheese	5	44	2	4	14	3	21	Oc [3] 22	Ja 19	22	21	1	.....	.....	86,245
45	Chemicals	19	2,331	5	86	266	141	1,833	De 2,059	Je 1,662	2,079	1,887	185	7	.....	24,616,461
46	Cleansing and polishing preparations.	24	185	21	19	27	14	104	.....	.....	110	49	59	1	1	817,835
47	Cleansing preparations	13	116	11	10	17	11	67	De 98	My 54	70	29	39	1	1	698,435
48	Metal polish	4	27	5	1	7	.....	14	(4) 14	(4) 14	14	5	9	.....	.....	36,587
49	All other polishing preparations	7	42	5	8	3	3	23	Ap [3] 26	Ja [3] 18	26	15	11	.....	.....	82,863
50	Clocks	4	10	2	4	.....	2	2	(4) 2	(4) 2	2	2	.....	.....	.....	52,330
51	Clothing, men's	460	9,230	716	209	502	410	7,393	.....	.....	8,778	5,230	3,373	95	80	27,472,494
52	Regular factory products	228	6,769	356	189	498	403	5,323	.....	.....	6,305	3,654	2,487	91	73	26,718,765
53	Men's and youths'	178	5,855	279	150	447	359	4,620	De 5,300	Ja 3,869	5,393	3,327	1,910	88	68	23,024,655
54	Boys'	17	202	29	4	23	15	131	Oc 166	Ja 86	178	68	108	1	1	1,073,922
55	All other	33	712	48	35	28	29	572	De 699	Fe 429	734	259	469	2	4	2,620,188
56	Contract work	232	2,461	360	20	4	7	2,070	.....	.....	2,473	1,576	886	4	7	753,729
57	Men's and youths'	220	2,363	340	20	4	7	1,992	No 2,301	Ja 1,663	2,366	1,509	847	4	6	731,094
58	Boys'	7	78	14	.....	.....	.....	64	Se [3] 77	Ja 51	77	54	22	.....	1	15,710
59	All other	5	20	6	.....	.....	.....	14	Mh [3] 19	Jy [3] 9	30	13	17	.....	.....	6,925
60	Clothing, men's, buttonholes	15	112	23	.....	.....	.....	89	Oc 94	Ja [3] 84	92	32	58	1	1	26,791
61	Clothing, women's	537	13,785	827	388	711	443	11,416	.....	.....	12,336	3,573	8,710	15	38	24,830,879
62	Regular factory products	452	13,023	689	385	704	440	10,805	.....	.....	11,605	3,159	8,396	15	35	24,619,313
63	Suits, skirts, and cloaks	161	3,643	264	106	230	139	2,904	Au 3,411	Ja 2,421	3,126	1,845	1,278	2	1	7,491,529
64	Shirt waists and dresses, except house dresses.	184	6,668	291	175	329	201	5,672	Je 6,089	Ja 4,805	5,977	1,014	4,941	6	16	11,519,773
65	Undergarments and petticoats.	24	793	22	46	54	26	645	No 737	Ja 471	731	64	664	1	2	2,281,841
66	Wrappers and house dresses	15	332	21	6	21	12	272	De 307	Ja 246	307	30	277	.....	.....	680,607
67	All other	68	1,587	91	52	70	62	1,312	De 1,490	Ja 1,178	1,464	206	1,236	6	16	2,645,563
68	Contract work	85	762	138	3	7	3	611	.....	.....	731	414	314	.....	3	211,566
69	Suits, skirts, and cloaks	59	531	94	2	4	1	430	Se 534	My 302	504	332	171	.....	1	118,894
70	Shirt waists and dresses, except house dresses.	20	197	36	1	3	2	155	De 193	Ja [3] 124	203	70	131	.....	2	88,322
71	All other	6	34	8	.....	.....	.....	26	Fe 32	Oc [3] 21	24	12	12	.....	.....	4,350

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.							Electric horsepower generated in establishments reporting.
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars. 50,905,402	Dollars. 49,113,059	Dollars. 326,792,395	Dollars. 18,371,074	Dollars. 13,555,979	Dollars. 67,749,487	Dollars. 1,125,107,176	Dollars. 31,233,143	Dollars. 1,996,481,074	Dollars. 840,140,755	528,480	290,877	34,658	18,631	2,199	182,115	151,885	1
4,958	3,055	14,887	.....	4,853	469	25,263	651	81,979	56,065	23	.....	.....	.....	.....	23	.....	2
480	2,800	53,709	.....	2,985	95	62,500	429	148,783	85,854	16	.....	.....	10	.....	6	.....	3
65,950	74,871	354,369	.....	6,674	12,045	1,016,311	6,087	1,697,236	674,838	495	330	.....	.....	.....	165	140	4
412,204	814,275	8,090,440	6,738	149,826	700,404	14,125,392	239,732	24,931,029	10,565,905	8,302	1,325	.....	109	.....	6,868	560	5
292,771	226,241	3,159,999	103,637	378,956	35,543	3,704,515	92,573	9,067,260	5,270,172	2,127	517	.....	157	1	1,452	75	6
66,464	17,548	173,366	825	14,922	9,431	758,919	5,072	1,291,321	527,330	87	.....	.....	.....	.....	87	.....	7
49,830	48,192	258,839	.....	6,202	24,591	1,373,543	23,238	1,972,106	575,325	445	330	.....	45	.....	70	235	8
6,082	3,380	30,396	400	2,953	556	102,601	1,142	175,380	71,637	58	.....	.....	25	.....	33	.....	9
13,135	58,405	194,844	7,151	15,359	2,737	636,112	2,009	1,068,375	430,254	55	.....	.....	.....	.....	55	.....	10
197,426	175,125	429,240	111,125	44,562	59,490	3,254,403	24,726	5,130,906	1,851,777	520	400	.....	54	.....	66	143	11
113,482	236,472	409,425	.....	840	65,663	987,390	27,018	2,333,799	1,319,391	472	.....	.....	.....	.....	472	.....	12
4,380	1,616	29,106	.....	3,900	2,326	61,903	730	127,267	64,634	36	.....	.....	.....	.....	36	.....	13
18,665	34,950	55,292	8,200	5,488	4,008	545,626	4,554	854,374	304,194	56	.....	.....	37	.....	19	15	14
128,982	56,665	906,670	5,882	96,192	20,624	957,936	24,072	2,820,167	1,838,159	453	.....	.....	16	.....	437	.....	15
3,456	22,803	72,364	75,784	7,002	397	149,781	1,627	444,055	292,647	31	.....	.....	.....	.....	31	.....	16
564,230	552,154	4,110,552	185,188	187,686	207,627	12,165,180	64,921	20,834,339	8,304,238	1,869	1,110	.....	29	.....	730	545	17
2,500	1,900	41,923	3,415	1,855	661	101,549	1,695	187,528	84,284	48	.....	.....	33	.....	15	.....	18
496,463	210,855	2,138,400	20,073	168,706	136,809	4,098,466	89,056	9,118,301	4,930,779	1,745	695	15	72	.....	963	314	19
83,097	34,238	348,973	.....	23,499	10,193	975,731	18,114	1,903,798	909,953	391	300	.....	.....	.....	91	225	20
339,012	109,388	1,472,030	19,113	118,082	67,379	2,345,170	51,814	5,593,631	3,196,647	1,020	235	15	51	.....	719	10	21
66,015	66,586	305,318	900	23,245	59,203	761,977	17,390	1,585,527	806,160	314	160	.....	17	.....	137	79	22
8,339	643	11,079	.....	3,940	34	15,588	1,738	35,345	18,019	20	.....	.....	4	.....	16	.....	23
229,664	28,023	849,891	4,864	12,456	53,804	2,198,444	24,278	3,980,618	1,757,896	2,692	2,235	100	100	.....	257	153	24
437,437	178,773	1,854,488	325	23,888	228,180	8,861,417	320,972	13,352,498	4,170,109	2,803	942	.....	243	.....	1,618	210	25
412,277	170,702	1,777,307	325	16,813	215,872	8,226,695	314,440	12,351,089	3,809,954	2,651	842	.....	223	.....	1,586	187	26
25,160	8,071	77,181	.....	7,075	12,308	634,722	6,532	1,001,409	360,155	152	100	.....	20	.....	32	23	27
630,333	2,115,223	6,351,066	5,747	230,315	854,577	32,270,478	787,251	51,762,528	18,704,799	5,917	2,666	75	150	.....	3,026	1,667	28
108,413	302,966	1,037,415	.....	5,528	238,988	4,374,090	87,635	8,372,728	3,911,003	905	494	.....	.....	.....	411	381	29
461,920	1,812,257	5,313,651	5,747	224,787	615,589	27,896,388	699,616	43,389,800	14,793,796	5,012	2,172	75	150	.....	2,615	1,286	30
152,719	46,250	1,110,359	31,667	16,014	33,548	410,459	345,405	2,672,979	1,917,115	2,844	2,478	.....	66	.....	306	195	31
101,069	20,624	860,946	22,880	10,722	25,208	215,322	304,969	1,970,966	1,450,675	2,152	1,963	.....	35	.....	154	.....	32
27,343	8,948	142,511	.....	4,092	3,841	111,774	19,961	393,185	261,450	370	240	.....	.....	.....	130	.....	33
24,307	16,678	106,902	8,787	1,200	4,499	83,363	20,475	308,828	204,990	322	275	.....	25	.....	22	195	34
7,901	5,379	157,645	1,072	8,004	314	485,294	4,425	739,408	249,689	209	100	.....	49	.....	60	.....	35
72,584	21,335	219,944	1,578	19,185	1,874	741,407	5,727	1,282,772	535,638	99	35	.....	9	.....	55	.....	36
853,392	569,674	7,235,469	60,114	93,067	885,042	24,610,945	514,831	43,111,096	17,985,320	11,668	9,605	1,075	85	.....	903	4,700	37
3,000	5,404	91,080	4,420	7,414	4,184	347,476	3,395	613,979	263,108	103	.....	.....	18	.....	85	.....	38
54,854	22,816	170,263	.....	4,410	14,509	476,905	5,687	891,519	408,927	120	80	.....	12	.....	28	24	39
114,491	42,252	842,137	7,795	45,137	19,215	652,877	29,296	2,189,474	1,507,301	566	110	.....	77	.....	379	.....	40
101,551	37,012	607,104	5,144	32,350	15,350	456,538	20,915	1,546,005	1,068,552	404	110	.....	52	.....	242	.....	41
12,940	5,240	235,033	2,651	12,787	3,865	196,339	8,381	643,469	438,749	162	.....	.....	25	.....	137	.....	42
371,528	170,910	9,302,462	.....	.....	58,654	5,611,853	798,931	16,457,853	10,047,069	6,638	5,638	.....	.....	.....	1,000	3,465	43
6,989	34,458	23,772	.....	2,160	5,699	393,889	9,523	590,996	187,584	922	849	.....	.....	.....	73	.....	44
541,281	595,346	2,290,010	.....	3,450	1,518,565	12,538,227	693,095	22,405,518	9,174,196	8,775	2,917	250	5	.....	5,603	752	45
72,466	39,764	72,529	692	12,271	41,732	644,316	6,226	1,140,897	490,355	288	60	.....	38	.....	190	.....	46
63,126	27,636	50,910	.....	7,246	41,171	513,870	4,558	890,728	372,300	151	60	.....	38	.....	53	.....	47
2,000	7,904	9,111	.....	2,280	25	62,812	190	114,562	51,560	12	.....	.....	.....	.....	12	.....	48
7,340	4,224	12,508	692	2,745	536	67,634	1,478	135,607	66,495	125	.....	.....	.....	.....	125	.....	49
4,250	928	2,584	150	1,560	311	35,543	394	39,444	3,507	27	.....	.....	27	.....	.....	.....	50
919,602	1,244,068	8,314,346	5,619,080	522,674	323,330	27,150,187	128,288	54,074,670	26,796,195	1,859	852	.....	2	.....	1,005	298	51
832,306	1,235,221	5,776,261	5,367,664	445,884	319,980	26,566,704	89,698	49,434,236	22,777,834	1,510	852	.....	.....	.....	658	298	52
695,827	1,134,906	5,215,061	5,104,224	381,655	301,393	22,997,501	76,981	44,027,924	20,953,442	1,350	852	.....	.....	.....	498	298	53
11,670	39,198	126,620	126,965	19,811	3,219	811,701	2,546	1,405,153	590,906	32	.....	.....	.....	.....	32	.....	54
124,809	61,117	435,180	136,475	44,418	15,308	2,757,502	10,171	4,001,519	1,233,486	128	.....	.....	.....	.....	128	.....	55
87,296	8,847	2,538,085	251,416	76,790	3,350	583,483	38,590	4,640,434	4,018,361	349	.....	.....	2	.....	347	.....	56
87,296	8,847	2,447,141	251,416	73,337	3,350	582,911	37,708	4,513,215	3,892,596	325	.....	.....	2	.....	323	.....	57
.....	.....	81,862	.....	2,198	.....	490	576	111,510	110,444	12	.....	.....	.....	.....	12	.....	58
.....	.....	9,082	.....	1,255	.....	82	306	15,709	15,321	12	.....	.....	.....	.....	12	.....	59
.....	.....	82,416	750	4,721	165	17,854	1,067	146,696	127,775	33	.....	.....	.....	.....	33	.....	60
1,242,261	1,799,297	12,899,292	2,327,911	722,847	208,745	41,094,714	142,243	69,183,831	27,946,874	2,486	345	.....	12	.....	2,129	114	61
1,238,011	1,792,168	12,090,077	1,827,201	687,887	208,726	40,875,002	128,786	67,697,799	26,694,011	2,304	345	.....	12	.....	1,947	114	62
378,942	560,900	3,696,592	907,177	205,009	78,281	15,312,045	32,690	24,196,580	8,845,845	484	10	.....	.....	.....	474	.....	63
475,129	824,138	6,718,277	723,481	346,763	21,679	18,194,751	61,980	30,965,653	12,708,922	1,189	125	.....	.....	.....	1,064	4	64
148,415	149,005	445,105	77,463	36,839	98,147	3,203,549	14,220	4,880,960	1,663,191	318	210	.....	.....	.....	108	110	65
12,945	54,561	251,261	42,434	21,344	448	905,076	3,819	1,514,639	605,744	67	.....	.....	.....	.....	67	.....	66
222,580	203,564	978,842	76,646	77,932	10,171	3,259,581	16,077	6,145,967	2,870,309	246	.....	.....	12	.....	234	.....	67
4,260	7,129	809,215	500,710	34,960	19	219,712	13,457	1,486,032	1,252,863	182	.....	.....	.....	.....	182	.....	68
3,700	4,884	633,106	500,710	25,095	4	162,724	8,319	1,138,630	967,587	126	.....	.....	.....	.....	126	.....	69
550	2,245	130,609	.....	6,871	.....	54,938	4,671	282,355	222,746	46	.....	.....	.....	.....	46	.....	70
.....	.....	45,440	.....	2,994	15	2,050	467	65,047	62,530	10	.....	.....	.....	.....	10	.....	71

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

	Industry and city.	Number of establishments	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.		Wage earners. Number, 15th day of— Minimum month.		Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
	PHILADELPHIA—Continued.																	*Dollars.*
1	Coffee and spice, roasting and grinding.	54	768	58	34	201	64	411					475	255	217	2	1	4,993,390
2	Coffee	49	500	57	23	136	52	232	(3)	232	(3)	232	232	151	78	2	1	3,324,844
3	Spice	5	268	1	11	65	12	179	De	243	Fe	101	243	104	139			1,668,546
4	Coffins, burial cases, and undertakers' goods.	11	241	13	24	25	14	165	Mh	188	De	131	132	94	38			772,681
5	Confectionery and ice cream	243	5,463	245	147	322	240	4,509					4,896	2,352	2,402	25	57	14,316,484
6	Confectionery	174	4,126	174	125	195	156	3,476	De	3,990	Je	2,951	3,915	1,433	2,402	23	57	8,117,764
7	Ice cream	69	1,337	71	22	127	84	1,033	Jy	1,275	Ja	790	981	919	60	2		6,198,720
8	Cooperage	50	586	64	17	13	10	482	Oc	513	De	406	457	454	3			1,943,405
9	Copper, tin, and sheet-iron work	185	2,064	236	117	124	56	1,531	De	1,679	Mh	1,384	1,654	1,611	29	13	1	4,732,560
10	Cordage and twine	10	1,700	4	31	37	12	1,616	Oc	1,782	Mh	1,352	1,781	903	847	7	24	7,951,060
11	Cork, cutting	5	57	3	7	5	2	40	Oc (4)	50	Fe	29	56	26	29	1		245,307
12	Corsets	6	17	5			1	11	Oc (4)	13	Jy	9	12	1	9		2	33,025
13	Cotton goods	94	6,127	86	215	145	115	5,566	No	6,310	Fe	4,634	6,349	3,682	2,515	84	68	26,532,510
14	Cotton small wares	29	1,699	28	58	27	27	1,559	De	1,627	Mh	1,509	1,601	384	1,160	13	44	5,117,376
15	Cutlery and edge tools	6	228	7	12	15	8	186	De	199	Ap	157	199	193	3	3		396,263
16	Dairymen's and poultrymen's supplies.	6	93	4	6	5	1	77	Jy	90	Ja	61	73	70	3			168,154
17	Dental goods	41	2,220	43	89	137	138	1,813	No	1,922	Ja	1,678	1,928	747	978	75	128	5,326,579
18	Druggists' preparations	36	2,473	17	68	451	239	1,698	Ja	1,804	Je	1,551	1,743	907	802	13	21	10,625,264
19	Dyeing and finishing textiles, exclusive of that done in textile mills.	120	4,613	113	135	125	96	4,144	De	4,680	Au	3,403	4,712	3,569	1,053	47	43	17,482,622
20	Dyestuffs and extracts—natural	7	46	4	5	12	7	18	Au (4)	20	Ap (4)	16	18	18				177,467
21	Electrical machinery, apparatus, and supplies.	60	5,632	33	263	527	486	4,323	No	5,147	Ap	3,967	4,989	3,999	959	26	5	21,924,294
22	Electroplating	28	210	33	13	5	5	154	No	176	Ja	143	177	171	2	4		210,221
23	Engraving and diesinking	51	161	57	4	2	5	93	De	110	Fe	83	107	93	11	3		196,109
24	Engraving, steel and copper plate, including plate printing.	42	901	43	31	73	71	683	De	765	Ja	647	765	338	366	34	27	1,532,748
25	Engraving, wood	4	6	4				2	(3)	2	(3)	2	2	2				2,715
26	Fancy articles, not elsewhere specified	31	355	34	15	13	12	281	De	337	Ja	218	345	92	243	6	4	1,123,386
27	Feathers and plumes	6	72	7	2	3	3	57	Jy	82	Ja	39	59	9	50			53,974
28	Fertilizers	5	1,002	1	46	107	37	811	Ja	1,135	Je	595	708	702	6			6,631,051
29	Flavoring extracts	24	100	21	14	18	2	45	Jy (4)	49	Ap	34	47	36	8	3		354,564
30	Flour-mill and gristmill products	11	138	16	9	15	3	95	De	103	Au	90	104	102	2			1,818,514
31	Food preparations, not elsewhere specified.	60	1,033	66	71	107	39	750					793	644	141	3	5	4,345,029
32	Macaroni, vermicelli, and noodles	12	322	15	9	13	2	283	No	304	Jy	254	308	282	26			871,375
33	All other for human consumption	42	616	47	53	84	36	396	Se	428	Ja	344	430	307	115	3	5	2,827,274
34	For animals and fowls	6	95	4	9	10	1	71	My	87	Oc	54	55	55				646,350
35	Foundry and machine-shop products	391	20,056	297	1,018	1,712	913	16,116					17,389	16,599	698	90	2	114,802,150
36	Boiler shops	16	414	12	34	19	11	338	De	378	Au	303	355	355				1,394,940
37	Foundries	21	1,140	17	70	30	22	1,001	Oc	1,061	Je	930	1,093	1,057	29	7		2,246,260
38	Machine shops	343	14,872	205	824	1,337	675	11,771	De	1,939	My	11,053	12,862	12,260	543	58	1	98,166,540
39	Machine shop and foundry combined.	11	3,630	3	90	326	205	3,006	Ja	3,636	Jy	2,644	3,079	2,927	126	25	1	13,084,410
40	Fur goods	73	513	90	16	40	74	293	De	366	My	245	367	214	147	3	3	2,754,029
41	Furnishing goods, men's	25	773	30	31	47	26	639					760	108	646	5	1	1,431,947
42	Neckwear	18	514	22	20	37	21	414	De	466	Ja (4)	382	461	68	388	5		747,498
43	All other	7	259	8	11	10	5	225	No	305	Ja (4)	158	299	40	258		1	684,449
44	Furniture	179	4,124	205	200	191	108	3,420					3,802	3,621	169	11	1	9,008,098
45	Wood, and rattan and willow	138	2,919	155	132	101	59	2,472	De	2,726	Fe	2,191	2,761	2,600	153	8		6,546,888
46	Metal, and store and office fixtures.	41	1,205	50	68	90	49	948	De	1,044	Mh	883	1,041	1,021	16	3	1	2,461,210
47	Galvanizing	5	191	1	12	6	6	166	Fe	203	Se (4)	142	150	148	2			378,585
48	Gas and electric fixtures	22	582	26	65	29	35	427	De	533	Ja	348	509	457	51	1		1,211,701
49	Glass, cutting, staining, and ornamenting.	38	445	38	21	43	33	310	De	350	Ja	271	349	274	65	9	1	2,337,403
50	Grease and tallow, not including lubricating greases.	9	357	4	20	30	6	297	De	312	Mh	287	313	312	1			1,736,366
51	Haircloth	14	403	14	19	18	13	339	No (4)	390	Ap	292	377	200	175	1	1	2,211,732
52	Hair work	12	89	15	1	1	1	71	Jy (4)	79	Ap (4)	63	78	27	50		1	187,726
53	Hand stamps	13	166	13	4		2	147	De	163	Au	94	163	107	50	6		299,375
54	Hardware	24	1,010	26	37	35	68	844	Ja	888	Jy	779	835	485	205	74	71	2,418,280
55	Hats and caps, other than felt, straw, and wool.	55	740	82	32	44	18	564	De	677	Ap	478	677	464	204	5	4	1,884,135
56	Hats, fur-felt	13	5,321	14	21	168	49	5,069	De	5,315	My	4,823	5,309	3,939	1,184	76	110	20,608,178
57	Hats, straw	8	256	12	10	7	4	223	Mh	274	Au	137	263	65	196		2	415,136
58	Hats, wool-felt	4	13	5				8	(3)	8	(3)	8	8	6	1	1		41,000
59	House-furnishing goods, not elsewhere specified.	27	579	28	28	44	22	457	Au	488	Mh	427	480	153	308	7	12	1,604,349
60	Ice, manufactured	33	1,200	8	56	176	10	950	Je	1,282	De	696	979	974	5			10,107,217
61	Ink, printing	10	302	6	17	30	19	230	Ap (4)	234	Ja	223	234	228		6		2,303,744
62	Instruments, professional and scientific.	39	1,554	28	95	112	91	1,228	No	1,253	Ja	1,172	1,228	1,077	129	22		3,668,623
63	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	10	923	4	42	50	65	762	De	879	My	723	813	754	51	8		4,115,821
64	Iron and steel forgings, not made in steel works or rolling mills.	11	673	7	55	59	21	531	Ja	628	Ap	478	570	567	3			4,742,211
65	Iron and steel, welding	13	72	13	6	4		49	De	56	Ja (4)	45	55	55				118,709
66	Jewelry	172	754	204	27	37	47	439	De	490	Fe	411	486	414	59	12	1	2,131,305
67	Jewelry and instrument cases	6	73	4	6	2	1	60	My	65	Se	51	58	26	31	1		70,231
68	Knit goods	239	19,475	220	682	455	343	17,775	De	19,885	Fe	14,745	19,800	4,653	14,059	357	731	52,001,983
69	Lamps and reflectors	16	255	15	21	14	7	198	De	240	Fe	169	235	192	31	8	4	1,051,667

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

Expenses. Salaries and wages. Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent and taxes. Rent of factory.	Taxes, Federal, state, county, and local.	For materials. Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Power. Primary horsepower. Total.	Owned. Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
159,943	484,083	326,776	6,010	53,765	41,040	9,268,154	52,531	11,389,589	2,068,904	1,323	307	.....	158	.....	858	12	1
97,183	315,175	197,352	6,010	46,045	31,339	7,433,086	37,589	8,904,786	1,434,111	734	15	.....	138	.....	581	10	2
62,760	168,908	129,424	.....	7,720	9,701	1,835,068	14,942	2,484,803	634,793	589	292	.....	20	.....	277	2	3
83,450	42,367	162,421	954	15,459	31,929	742,384	8,704	1,364,109	613,021	152	.....	.....	14	.....	138	10	4
1,095,706	802,919	3,545,090	7,116	209,959	1,338,060	16,864,322	460,827	29,657,357	12,332,208	6,377	2,265	.....	98	.....	4,014	660	5
956,491	537,182	2,547,659	5,016	191,370	1,011,854	9,773,220	201,411	18,326,284	8,351,653	2,728	1,634	.....	63	.....	1,031	660	6
139,215	265,737	997,431	2,100	18,589	326,206	7,091,102	259,416	11,331,073	3,980,555	3,649	631	.....	35	.....	2,983	.....	7
67,172	24,115	544,688	23	38,656	63,990	2,984,205	11,118	4,337,408	1,342,085	698	497	140	25	.....	36	390	8
397,455	225,161	1,905,481	46,210	77,439	99,005	3,418,128	48,695	7,830,741	4,363,918	1,293	425	.....	359	.....	509	640	9
238,289	75,367	1,506,971	267	43,596	79,673	4,936,417	79,042	8,166,788	3,151,329	4,107	3,850	.....	5	.....	252	805	10
17,082	5,581	33,604	.....	5,160	394	112,099	2,089	217,009	102,821	57	.....	.....	.....	.....	57	.....	11
.....	1,250	6,562	64	2,730	981	15,636	287	36,223	20,300	5	.....	.....	.....	.....	5	.....	12
1,083,370	514,069	6,195,844	552,787	212,770	1,878,88	19,551,450	362,244	37,801,939	17,888,245	11,351	9,528	20	75	18	1,710	2,011	13
315,922	67,106	994,353	49,014	41,155	145,601	3,880,357	65,209	6,220,467	2,274,901	1,692	1,161	.....	20	.....	511	263	14
41,766	26,157	173,278	.....	7,710	813	119,755	19,032	521,626	382,839	462	440	.....	22	.....	.....	3	15
10,714	9,100	89,662	.....	2,680	418	129,680	4,383	274,394	140,331	79	40	.....	.....	.....	39	.....	16
268,059	308,558	1,421,592	3,767	60,786	218,988	2,757,941	62,092	6,180,586	3,360,553	729	430	.....	32	.....	267	317	17
292,249	1,187,465	1,486,339	2,715	19,464	270,372	3,843,997	59,886	9,968,791	6,064,908	1,305	1,175	.....	25	.....	105	1,086	18
1,223,177	307,430	4,504,252	463,511	226,690	683,227	11,792,999	968,232	26,548,236	13,787,005	10,433	7,552	100	30	.....	2,751	857	19
23,525	28,221	21,715	.....	5,538	631	253,026	7,254	418,301	158,021	80	50	.....	.....	.....	30	.....	20
1,105,604	1,281,599	5,162,612	2,164	78,973	4,244,543	15,099,440	294,266	33,729,133	18,335,427	7,218	2,985	.....	132	.....	4,101	361	21
24,520	8,218	190,743	250	18,736	481	91,621	12,864	474,862	370,377	311	115	.....	70	.....	126	.....	22
17,000	5,057	107,199	5,007	10,289	1,635	41,403	7,085	355,138	306,650	106	15	.....	22	.....	69	.....	23
107,586	194,302	588,288	12,281	35,553	21,866	710,505	12,451	2,359,829	1,636,873	287	.....	.....	16	.....	271	.....	24
.....	.....	3,200	.....	900	.....	750	95	10,846	10,001	.....	.....	.....	.....	.....	.....	.....	25
67,030	56,983	205,018	15,650	22,375	20,731	757,272	9,785	1,570,902	803,845	121	.....	.....	.....	.....	121	.....	26
2,340	7,378	34,671	.....	4,496	143	38,649	662	132,551	93,240	4	.....	.....	.....	.....	4	.....	27
150,613	193,375	940,034	.....	2,780	104,311	4,109,761	237,250	6,418,640	2,071,629	3,686	1,998	150	25	.....	1,513	1,462	28
47,352	32,355	44,779	4,229	9,974	12,829	541,114	7,303	854,503	306,026	47	8	.....	4	.....	35	.....	29
28,441	25,607	133,738	.....	3,438	5,132	4,170,044	50,835	4,629,505	408,626	933	760	.....	111	.....	62	125	30
236,735	157,024	675,910	5,875	35,001	110,742	7,887,364	120,286	10,461,801	2,454,151	2,508	1,575	.....	81	.....	852	6	31
19,488	23,459	228,944	5,875	9,956	6,923	958,129	21,849	1,517,911	537,933	687	355	.....	.....	.....	332	5	32
183,477	123,464	372,205	.....	24,871	98,293	6,561,793	83,150	8,441,548	1,796,605	1,145	585	.....	61	.....	499	.....	33
33,770	10,101	74,761	.....	174	5,526	307,442	15,287	502,342	119,613	676	635	.....	20	.....	21	1	34
3,752,748	3,039,797	21,413,081	274,804	390,927	3,126,008	28,498,474	1,136,948	76,459,590	46,824,168	29,140	9,355	250	4,117	1,400	14,018	16,294	35
164,137	36,558	461,085	27,778	1,506	50,921	593,509	24,117	1,710,808	1,093,182	824	532	.....	282	.....	10	102	36
245,583	60,546	1,315,151	.....	17,510	92,184	1,288,203	110,589	3,854,834	2,456,042	1,094	385	.....	187	.....	522	5	37
2,911,037	2,384,091	15,985,273	245,026	363,628	1,910,976	20,257,856	873,560	56,328,665	35,197,249	23,300	6,018	250	3,097	1,400	12,535	12,277	38
431,991	558,602	3,651,572	2,000	8,283	1,071,927	6,358,906	128,682	14,565,283	8,077,695	3,922	2,420	.....	551	.....	951	3,910	39
53,355	88,604	436,963	15,854	84,181	28,258	2,204,343	10,113	3,467,978	1,253,522	72	.....	.....	.....	.....	72	.....	40
115,596	165,946	506,373	4,621	35,933	7,517	1,830,340	8,866	3,122,825	1,283,619	122	.....	.....	.....	.....	122	.....	41
68,332	147,833	272,915	4,621	21,843	7,123	1,162,558	5,105	2,003,038	895,375	62	.....	.....	.....	.....	62	.....	42
47,264	18,113	233,458	.....	14,090	394	667,782	3,761	1,059,787	388,244	60	.....	.....	.....	.....	60	.....	43
736,082	381,846	4,366,116	25,856	164,186	284,310	6,925,032	132,540	15,307,372	8,249,800	4,667	2,849	.....	507	.....	1,311	1,522	44
505,023	240,327	3,044,211	18,327	122,042	226,480	4,840,460	78,623	10,824,146	5,905,063	2,963	2,204	.....	411	.....	348	904	45
231,059	141,519	1,321,905	7,529	42,144	57,830	2,084,572	53,917	4,483,226	2,344,737	1,704	645	.....	96	.....	963	618	46
42,420	12,163	203,187	.....	17,000	458	451,829	13,530	717,839	252,480	68	.....	.....	.....	.....	68	.....	47
106,170	78,954	430,301	16,370	18,856	1,390	523,594	25,898	1,624,016	1,074,524	480	255	.....	109	.....	116	.....	48
85,888	89,471	349,370	48,405	17,906	47,423	1,149,138	15,401	2,059,104	894,565	302	128	.....	28	.....	146	30	49
77,686	51,248	374,104	1,500	16,800	10,846	3,370,241	82,972	4,433,754	980,541	944	831	.....	3	.....	110	525	50
78,431	34,576	365,647	11,731	31,308	13,473	1,931,653	33,071	2,791,676	826,952	891	620	.....	.....	.....	271	.....	51
780	1,196	68,701	228	5,946	1,460	208,437	1,132	338,862	129,293	29	20	.....	.....	.....	9	.....	52
17,428	2,640	152,567	1,202	4,154	10,194	114,762	8,360	402,527	279,405	107	100	.....	2	.....	5	.....	53
112,734	114,669	687,274	450	7,710	26,272	706,763	36,273	2,182,124	1,439,088	1,055	845	.....	132	.....	78	439	54
151,319	138,369	750,177	1,942	43,055	20,909	1,445,526	13,015	3,170,701	1,712,160	151	.....	.....	3	.....	148	.....	55
125,780	752,223	4,271,138	1,578	12,277	962,907	4,876,672	193,147	15,952,099	10,882,280	5,395	4,249	1,000	10	.....	136	2,489	56
21,471	19,077	204,624	.....	16,015	1,121	351,622	5,835	845,038	487,581	73	25	.....	.....	.....	48	.....	57
.....	.....	11,027	.....	1,790	115	23,944	742	52,714	28,028	2	.....	.....	.....	.....	2	.....	58
101,415	120,047	332,870	1,370	27,728	35,974	1,644,826	15,285	2,548,065	887,954	535	390	.....	16	.....	129	37	59
184,205	170,944	1,030,189	23,286	23,070	201,929	504,407	803,909	4,492,570	3,184,254	18,861	16,810	50	1,760	.....	241	2,064	60
49,538	66,744	288,937	.....	13,844	18,638	1,335,829	54,620	2,290,279	899,830	856	400	.....	151	.....	305	.....	61
390,799	239,330	1,312,880	3,148	77,542	93,060	1,653,927	72,551	4,887,239	3,160,761	910	475	.....	76	.....	359	229	62
229,873	184,048	814,737	34,640	7,191	38,110	1,663,155	79,196	3,384,921	1,642,570	2,069	1,900	.....	27	.....	142	6,547	63
221,733	136,252	844,890	140,111	9,739	65,832	1,493,331	289,775	3,569,822	1,786,716	3,057	590	.....	35	.....	2,432	75	64
32,740	6,240	72,008	.....	7,597	.801	48,650	4,854	235,919	182,415	205	.....	.....	125	.....	80	.....	65
90,551	97,118	601,436	42,673	63,440	16,802	1,835,270	9,856	3,476,545	1,631,419	287	.....	.....	16	.....	271	.....	66
12,640	6,754	39,282	2,464	6,714	109	80,065	903	179,166	98,198	21	.....	.....	6	.....	15	.....	67
2,640,942	1,547,583	14,529,586	884,482	592,885	2,256,852	52,185,823	379,088	85,848,934	33,284,023	10,903	6,933	.....	155	.....	3,815	2,452	68
62,956	21,008	203,873	908	27,395	10,204	405,203	10,066	929,194	513,925	211	75	.....	10	.....	126	40	69

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PHILADELPHIA—Continued.															*Dollars.*
1	Lapidary work	4	10	4	.....	2	.....	4	(3) 4	(3) 4	4	4	.....	.....	.....	18,936
2	Lasts	4	103	2	7	2	2	90	De 102	Ja 78	101	98	.....	3	.....	157,046
3	Leather goods, not elsewhere specified	22	650	31	27	61	28	503	Au 540	Ja 461	510	241	215	16	38	1,554,840
4	Leather, tanned, curried, and finished	34	6,113	34	202	150	35	5,692	No 6,543	Ja 4,606	6,445	5,589	805	39	12	56,930,616
5	Liquors, malt	31	1,597	14	125	136	18	1,304	Jy 1,387	De 1,201	1,239	1,237	2	.....	.....	24,076,076
6	Lithographing	18	959	20	58	51	32	798	No 903	Ja 730	853	609	221	19	4	2,223,724
7	Looking-glass and picture frames	31	144	38	5	5	11	85	De 99	Ja 78	93	88	4	1	.....	402,095
8	Lumber, planing-mill products, not including planing mills connected with sawmills.	48	3,026	40	117	106	51	2,712	No 3,103	Ap 2,308	2,966	2,867	90	9	.....	8,020,742
9	Machine tools	14	1,816	11	83	150	101	1,471	Je 4 1,516	De 1,381	1,383	1,373	7	3	.....	9,112,683
10	Marble and stone work	73	726	93	40	32	11	550	.....	.....	613	613	.....	.....	.....	1,939,169
11	Monuments and tombstones	49	219	63	11	4	2	139	Je 161	Ja 113	142	142	.....	.....	.....	593,182
12	All other	24	507	30	29	28	9	411	No 482	Ja 326	471	471	.....	.....	.....	1,345,987
13	Mattresses and spring beds, not elsewhere specified.	43	613	47	38	38	16	474	No 506	Mh 422	512	393	107	7	5	1,471,074
14	Millinery and lace goods, not elsewhere specified.	100	2,520	141	55	52	59	2,213	.....	.....	2,415	510	1,868	6	31	3,591,330
15	Embroideries	34	614	42	18	6	8	540	Se 590	Ja 472	603	67	515	1	20	430,452
16	Trimmed hats and hat frames	36	923	52	20	17	23	811	Mh 916	Jy 677	825	166	649	5	5	1,297,257
17	All other	30	983	47	17	29	28	862	De 985	Ap 732	987	277	704	.....	6	1,863,621
18	Mineral and soda waters	72	398	77	23	9	8	281	Jy 307	Ja 264	281	273	2	6	.....	1,333,100
19	Minerals and earths, ground or otherwise treated.	8	76	7	13	3	6	47	Au 52	Fe 42	48	45	3	.....	.....	769,946
20	Mirrors, framed and unframed, not elsewhere specified.	7	107	11	11	7	2	76	Jy 4 78	De 72	78	76	2	.....	.....	323,682
21	Models and patterns, not including paper patterns.	41	236	50	5	1	3	177	Au 213	Fe 155	210	207	1	2	.....	284,472
22	Mucilage, paste, and other adhesives, not elsewhere specified.	12	161	5	19	18	11	108	Ja 4 110	Jy 99	109	74	35	.....	.....	709,278
23	Musical instruments and materials, not elsewhere specified.	12	67	13	3	5	5	41	De 49	Fe 35	49	49	.....	.....	.....	228,078
24	Oil, not elsewhere specified	24	782	12	85	101	104	480	.....	.....	496	493	3	.....	.....	4,962,152
25	Vegetable	4	120	4	11	6	2	97	Au 106	Fe 4 86	105	104	1	.....	.....	1,420,557
26	Composite	13	513	7	50	71	92	293	Au 4 303	My 272	301	299	2	.....	.....	2,316,264
27	All other	7	149	1	24	24	10	90	Jy 105	Fe 4 78	90	90	.....	.....	.....	1,225,331
28	Optical goods	38	608	44	34	37	37	456	De 479	Je 446	491	314	138	30	9	1,232,125
29	Paints	40	2,773	29	197	360	248	1,939	Jy 4 2,006	Ja 1,852	2,005	1,958	42	5	.....	20,368,254
30	Paper and wood pulp	5	1,743	1	54	55	38	1,595	No 1,651	Fe 1,515	1,639	1,542	97	.....	.....	11,108,442
31	Paper goods, not elsewhere specified.	10	269	7	25	26	19	192	Oc 227	Fe 149	220	172	48	.....	.....	711,138
32	Patent medicines and compounds	98	971	87	83	113	126	562	.....	.....	582	344	238	.....	.....	4,418,341
33	Patent and proprietary medicines	58	731	53	57	81	102	438	Fe 4 455	Je 411	448	247	201	.....	.....	3,738,412
34	Patent and proprietary compounds, not elsewhere specified.	40	240	34	26	32	24	124	Jy 138	No 112	134	97	37	.....	.....	679,929
35	Perfumery and cosmetics	28	373	28	26	33	106	180	No 192	Ja 163	193	52	137	1	3	1,148,485
36	Photo-engraving	16	664	11	36	82	35	500	Oc 4 519	Fe 474	528	506	10	12	.....	948,609
37	Photographic apparatus	4	28	5	1	.....	2	20	Jy 25	Fe 11	24	20	4	.....	.....	45,716
38	Pickles, preserves, and sauces	25	433	27	22	43	17	324	.....	.....	343	198	144	.....	1	1,552,261
39	Preserves	10	161	11	9	23	7	111	My 134	Ap 91	126	89	37	.....	.....	749,927
40	Pickles and sauces	15	272	16	13	20	10	213	Se 246	Ja 4 199	217	109	107	.....	1	802,334
41	Plumbers' supplies, not elsewhere specified.	14	418	9	36	48	35	290	De 369	Mh 237	369	350	17	2	.....	2,136,824
42	Pocketbooks	7	185	5	6	9	4	161	Fe 169	Je 155	163	45	111	.....	7	241,581
43	Printing and publishing, book and job.	575	8,012	586	448	576	521	5,881	.....	.....	6,342	4,752	1,419	148	23	21,226,313
44	Job printing	521	6,481	550	357	350	269	4,955	De 5,362	Ja 4,681	5,397	4,108	1,154	129	6	14,597,478
45	Book publishing and printing	16	1,216	14	60	157	170	815	No 844	Ja 750	832	556	244	16	16	4,988,641
46	Book publishing without printing.	29	233	13	27	69	76	48	Se 54	De 42	42	24	18	.....	.....	1,488,083
47	Linotype work and typesetting	9	82	9	4	.....	6	63	No 4 69	Jy 56	71	64	3	3	1	152,111
48	Printing and publishing, newspapers and periodicals.	198	11,908	115	646	2,641	2,721	5,785	.....	.....	5,804	4,652	1,122	28	2	70,784,957
49	Printing and publishing	23	7,553	9	394	981	1,930	4,239	Au 4,504	Ap 3,888	4,272	3,294	975	2	1	54,721,878
50	Printing, publishing, and job printing.	54	3,376	42	160	1,374	343	1,457	Oc 1,526	Ja 1,345	1,500	1,334	141	25	.....	12,502,126
51	Publishing without printing	121	979	64	92	286	448	89	Ja 102	De 78	32	24	6	1	1	3,560,953
52	Refrigerators	7	99	8	9	4	2	76	Oc 85	Ja 67	82	82	.....	.....	.....	182,809
53	Regalia, and society badges and emblems.	12	94	12	5	6	6	65	My 69	Jy 59	66	13	52	1	.....	142,903
54	Saddlery and harness	42	120	45	4	15	.....	56	Ap 59	Ja 51	55	53	2	.....	.....	276,259
55	Screws, machine	6	128	9	9	4	5	101	De 132	Ap 74	132	122	7	2	1	323,520
56	Shirts	57	2,803	87	85	166	84	2,381	De 2,791	Je 2,089	2,806	710	2,031	21	44	7,642,233
57	Signs and advertising novelties	87	323	81	21	11	16	194	.....	.....	209	167	39	3	.....	517,899
58	Signs, electric and other	79	278	74	18	9	13	164	Se 182	Ja 128	165	159	4	2	.....	441,532
59	Advertising novelties	8	45	7	3	2	3	30	No 47	Ap 21	44	8	35	1	.....	76,367
60	Silk goods, including throwsters	38	3,536	39	146	115	79	3,157	.....	.....	3,437	932	2,308	57	140	12,821,924
61	Finished products	29	3,210	31	132	110	75	2,862	No 3,007	Mh 2,667	3,044	855	2,014	47	128	11,505,153
62	Throwsters and winders	9	326	8	14	5	4	295	De 393	Mh 242	393	77	294	10	12	1,316,771
63	Slaughtering and meat packing	39	2,173	37	46	278	70	1,742	De 1,930	Au 1,633	1,890	1,636	253	1	.....	10,734,114
64	Soap	23	939	23	41	51	58	766	Au 871	Mh 681	738	564	157	10	7	7,870,134
65	Stamped ware, not elsewhere specified.	7	184	2	19	1	7	155	No 214	Fe 4 119	213	201	12	.....	.....	569,184
66	Stationery goods, not elsewhere specified.	9	333	10	12	24	17	270	Au 286	De 246	246	72	158	3	13	371,236
67	Statuary and art goods	10	110	15	7	3	2	83	My 101	Ja 72	85	84	.....	1	.....	130,680

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

Expenses. Salaries and wages. Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent and taxes. Rent of factory.	Taxes, Federal, state, county, and local.	For materials. Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Power. Primary horsepower. Total.	Owned. Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
.....	1,560	4,420	.....	1,536	.....	1,400	257	28,330	26,673	4	.....	.....	.....	.....	4	.....	1
23,966	4,901	82,776	.....	8,604	1,292	115,190	8,637	297,082	173,255	142	.....	.....	40	.....	102	.....	2
118,721	113,756	467,226	.....	17,772	39,360	1,250,759	5,358	2,303,841	1,047,724	142	80	.....	29	.....	33	29	3
1,408,805	338,120	8,250,463	40,447	45,882	3,538,017	54,052,103	402,154	89,019,381	34,565,124	10,917	9,724	400	50	.....	743	4,118	4
640,558	239,887	1,692,515	2,310	446,430	6,722,164	3,059,900	459,620	17,718,027	14,198,507	13,391	12,722	200	4	.....	465	2,085	5
146,246	181,288	798,869	17,473	69,418	11,279	1,404,759	23,398	3,062,111	1,633,954	536	310	.....	10	.....	216	484	6
7,760	17,122	99,896	436	88,336	2,203	274,217	3,191	552,663	275,255	52	.....	.....	5	.....	47	.....	7
465,404	191,497	3,082,336	4,175	90,374	203,085	4,737,578	100,894	10,153,828	5,315,356	8,289	4,838	1,330	93	.....	2,028	3,317	8
364,500	416,398	2,346,467	.....	19,107	870,773	1,811,092	131,124	7,276,281	5,334,065	4,342	2,194	.....	171	.....	1,977	4,546	9
88,723	56,598	658,081	15,989	29,508	20,270	811,345	44,589	2,215,452	1,359,518	1,964	840	.....	607	.....	457	93	10
17,632	4,629	210,877	11,926	9,527	12,435	260,427	12,744	850,866	577,695	504	.....	.....	496	.....	8	.....	11
71,091	51,969	447,204	4,063	19,981	7,835	550,918	31,845	1,364,586	781,823	1,460	840	.....	171	.....	449	93	12
82,391	68,948	496,731	60,960	37,394	28,919	1,559,236	18,883	2,750,960	1,172,841	606	300	.....	59	.....	247	13	13
180,556	143,285	1,728,170	72,985	127,775	13,028	4,209,942	27,931	8,188,528	3,950,655	668	352	.....	8	.....	308	125	14
38,859	13,196	437,729	54,859	26,532	4,165	317,874	7,562	1,212,803	887,367	107	.....	.....	.....	.....	107	.....	15
58,528	52,270	664,972	780	42,336	5,386	2,184,432	7,867	3,554,809	1,362,510	118	.....	.....	.....	.....	118	.....	16
92,169	77,819	625,469	17,346	58,907	3,477	1,707,636	12,502	3,420,916	1,700,778	443	352	.....	8	.....	83	125	17
55,729	19,333	349,744	4,196	23,145	11,998	1,365,812	35,412	2,352,040	950,816	504	168	35	63	.....	238	7	18
37,384	10,058	55,505	.....	2,880	17,902	272,595	11,695	487,840	203,550	372	290	.....	59	.....	23	.....	19
13,000	12,000	61,828	.....	1,661	1,950	424,655	4,330	637,692	208,707	79	5	.....	40	.....	34	.....	20
13,100	4,272	207,038	10,696	14,458	4,698	160,659	6,752	552,419	385,008	226	15	.....	81	.....	130	.....	21
77,584	48,829	100,075	2,000	5,645	9,514	664,629	9,331	1,158,505	484,545	250	112	.....	90	.....	48	.....	22
4,792	8,629	42,384	3,096	8,242	1,272	63,006	1,904	159,194	94,284	22	.....	.....	4	.....	18	.....	23
313,877	251,436	681,672	.....	59,480	85,719	8,914,518	113,071	15,595,759	6,568,170	2,301	1,427	.....	200	.....	674	467	24
29,158	10,490	144,836	.....	20,000	15,785	3,528,329	27,937	7,351,153	3,794,887	653	190	.....	200	.....	263	20	25
201,075	197,026	423,597	.....	32,290	62,834	2,806,450	44,459	5,036,921	2,186,012	580	197	.....	.....	.....	383	.....	26
83,644	43,920	113,239	.....	7,190	7,100	2,579,739	40,675	3,207,685	587,271	1,068	1,040	.....	.....	.....	28	447	27
117,018	87,098	445,307	.....	50,359	26,029	984,356	15,006	2,317,628	1,318,266	200	.....	.....	51	.....	149	.....	28
636,637	733,140	2,517,051	.....	31,872	246,248	12,980,219	472,231	20,567,143	7,114,693	5,986	2,547	2,125	104	.....	1,210	4,088	29
253,603	159,455	2,067,554	.....	.....	364,354	5,582,209	732,166	10,634,910	4,320,535	17,240	15,490	1,450	.....	300	.....	2,863	30
83,261	24,078	169,124	3,000	26,860	15,633	694,483	19,810	1,128,708	414,415	212	62	.....	.....	.....	150	36	31
299,421	325,711	583,026	10,030	73,061	244,794	3,394,460	45,718	7,227,797	3,787,619	1,179	732	.....	32	.....	415	130	32
231,506	257,920	463,722	10,030	52,498	236,424	2,753,129	37,584	5,742,339	2,951,626	919	550	.....	18	.....	351	.....	33
67,915	67,791	119,304	.....	20,563	8,370	641,331	8,134	1,485,458	835,993	260	182	.....	14	.....	64	130	34
70,509	156,786	112,239	.....	16,781	14,928	779,539	3,634	1,752,311	969,138	146	55	.....	28	.....	63	.....	35
202,048	146,743	869,832	20,778	38,044	11,910	494,507	23,951	2,512,102	1,993,644	284	.....	.....	.....	.....	284	.....	36
2,500	2,367	23,368	.....	695	383	21,991	996	89,912	66,925	31	.....	.....	.....	.....	31	.....	37
63,919	77,537	249,206	.....	31,669	99,574	2,791,881	33,153	3,853,097	1,028,063	412	207	.....	32	.....	173	.....	38
49,096	35,153	106,721	.....	12,391	96,474	1,632,093	18,061	2,341,623	691,469	138	57	.....	32	.....	49	.....	39
14,823	42,384	142,485	.....	19,278	3,100	1,159,788	15,092	1,511,474	336,594	274	150	.....	.....	.....	124	.....	40
105,998	68,207	328,394	.....	40,240	20,403	1,212,806	22,402	2,151,418	916,210	528	180	.....	147	.....	201	31	41
13,830	23,243	102,850	5,047	6,775	604	197,050	1,531	453,297	254,716	28	.....	.....	.....	.....	28	.....	42
1,603,357	1,382,500	6,755,354	1,216,212	561,539	507,508	10,603,303	234,528	29,895,039	19,057,208	6,033	1,514	.....	247	.....	4,272	565	43
1,279,828	766,918	5,695,083	161,342	453,388	445,682	8,067,216	191,202	21,376,432	13,118,014	5,261	1,056	.....	247	.....	3,958	419	44
219,872	442,118	949,785	649,591	69,794	50,897	2,041,958	37,239	6,379,578	4,300,381	690	458	.....	.....	.....	232	146	45
94,536	168,620	28,928	403,243	34,031	10,473	458,869	2,514	1,925,093	1,463,710	50	.....	.....	.....	.....	50	.....	46
9,121	4,844	81,558	2,036	4,326	456	35,260	3,573	213,936	175,103	32	.....	.....	.....	.....	32	.....	47
2,721,691	5,532,733	8,496,527	1,695,592	359,118	2,517,722	27,498,159	284,614	72,515,822	44,733,049	11,401	6,410	.....	42	.....	4,949	5,069	48
1,802,737	2,557,930	6,310,449	126,999	165,967	2,367,577	21,325,237	198,167	55,104,124	33,580,720	8,699	5,710	.....	8	.....	2,981	5,010	49
650,696	2,225,941	2,088,937	127,761	87,596	135,756	5,413,818	82,026	12,704,567	7,208,723	2,575	700	.....	34	.....	1,841	59	50
268,258	748,862	97,141	1,440,832	105,555	14,389	759,104	4,421	4,707,131	3,943,606	127	.....	.....	.....	.....	127	.....	51
24,506	8,025	132,499	.....	4,690	826	207,277	5,533	489,058	276,248	141	50	.....	25	.....	66	10	52
10,969	14,132	47,139	300	8,707	1,243	133,462	1,780	277,466	142,224	12	.....	.....	.....	.....	12	.....	53
20,114	10,868	46,130	80	11,875	2,821	227,673	2,171	380,018	150,174	29	.....	.....	2	.....	27	.....	54
45,062	4,939	111,387	12,310	8,472	10,250	169,217	3,130	451,230	278,883	252	100	.....	102	.....	50	.....	55
272,135	573,904	1,616,305	467,260	153,757	43,440	8,877,068	57,229	14,182,348	5,248,051	1,007	575	75	.....	.....	357	313	56
58,468	36,355	241,000	28,398	26,409	4,522	333,666	3,867	946,849	609,316	103	.....	.....	19	.....	84	.....	57
53,058	29,837	218,625	1,858	22,759	3,022	233,804	3,602	743,069	505,663	95	.....	.....	19	.....	76	.....	58
5,410	6,518	22,375	26,540	3,650	1,500	99,862	265	203,780	103,653	8	.....	.....	.....	.....	8	.....	59
576,095	411,924	2,633,106	742,534	190,078	312,029	11,444,785	95,086	19,766,861	8,226,990	3,612	2,031	.....	.....	.....	1,581	978	60
506,781	392,134	2,408,343	590,951	167,209	308,366	9,548,643	83,137	17,033,436	7,401,706	3,139	2,025	.....	.....	.....	1,114	978	61
69,314	19,790	224,763	151,583	22,869	3,663	1,896,142	11,949	2,733,375	825,284	473	6	.....	.....	.....	467	.....	62
225,179	608,071	2,205,405	179,010	43,735	153,772	43,578,096	301,273	50,169,124	6,289,755	3,140	2,771	230	32	.....	107	1,577	63
203,958	153,080	1,121,370	.....	12,204	99,322	8,206,662	89,412	12,411,698	4,115,624	1,403	1,318	30	26	.....	29	289	64
45,970	7,806	162,278	300	6,938	3,496	251,865	7,699	469,245	209,681	190	30	.....	96	.....	64	.....	65
46,509	42,959	182,626	.....	16,528	13,128	378,018	2,979	909,644	528,647	73	.....	.....	6	.....	67	.....	66
12,480	4,275	129,857	.....	5,360	568	93,808	3,562	319,114	221,744	10	.....	.....	2	.....	8	.....	67

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.		Wage earners. Number, 15th day of— Minimum month.		WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
	PHILADELPHIA—Continued.																	*Dollars.*
1	Steam fittings and steam and hot-water heating apparatus.	15	1,116	9	93	163	58	793	De	882	Jy	747	877	861	12	4	.....	4,178,388
2	Steam packing	15	438	7	33	65	28	305	De	340	Je	265	340	269	70	1	.....	1,632,405
3	Stereotyping and electrotyping	9	390	2	47	38	13	290	De	311	Fe	275	310	309	.....	1	.....	552,572
4	Stoves and hot-air furnaces	17	639	13	33	113	32	448	No	550	My	355	535	533	1	1	.....	2,074,793
5	Stoves, gas and oil	8	210	7	13	17	.....	173	De	190	Ja [3]	157	190	189	1	.....	.....	494,809
6	Structural ironwork, not made in steel works or rolling mills.	46	2,082	45	69	363	115	1,490	Au	1,654	Ja	1,205	1,586	1,573	13	.....	.....	8,813,990
7	Sugar, refining, not including beet sugar.	4	3,613	.....	52	259	81	3,221	Jy	3,718	Ja	2,086	3,035	2,904	131	.....	.....	32,741,511
8	Surgical appliances	20	545	20	36	19	34	436	De	452	Ja	421	453	253	185	4	11	1,015,093
9	Textile machinery and parts	43	2,387	38	103	200	81	1,965	De	2,285	Ja	1,740	2,282	2,207	59	13	3	8,348,885
10	Tinware, not elsewhere specified	16	834	22	29	73	32	678	De	775	My	576	772	625	145	2	.....	2,934,110
11	Tobacco, chewing and smoking, and snuff.	13	353	13	14	215	2	109	No	202	Ja	59	155	51	104	.....	.....	700,265
12	Tobacco, cigars and cigarettes	302	6,443	297	262	236	119	5,529	De	6,607	Au	3,589	6,772	1,081	5,082	2	7	15,328,071
12	Tools, not elsewhere specified	44	1,457	41	60	69	46	1,241	De	1,348	Mh	1,166	1,357	1,271	72	8	6	3,850,854
14	Toys and games	22	836	23	38	19	27	729	Jy	906	Ja	471	752	384	301	47	20	1,740,854
15	Trunks and valises	72	1,164	106	47	104	43	864	No [3]	939	Ja	732	948	828	106	8	6	2,746,651
16	Umbrellas and canes	11	794	15	13	21	15	730	De	793	Ja	636	797	445	280	40	32	4,434,672
17	Upholstering materials, not elsewhere specified.	8	461	2	25	29	15	390	Au	435	Mh	331	430	257	167	2	4	3,006,402
18	Varnishes	12	167	2	30	36	12	87	De	98	Ja	71	98	93	5	.....	.....	1,209,445
19	Vinegar	5	44	1	9	2	1	31	No	41	Ja [3]	25	40	38	2	.....	.....	542,548
20	Wall paper, not made in paper mills.	4	380	1	12	22	19	326	De	362	Au	253	362	278	62	19	3	1,257,450
21	Wall plaster and composition flooring.	5	55	2	6	3	5	39	Jy	49	Mh [3]	34	40	40	.....	.....	.....	150,223
22	Wirework, not elsewhere specified	30	197	21	9	8	11	148	Ja	167	Se	134	174	113	55	4	2	489,340
23	Wood, turned and carved	23	84	24	5	2	1	52	Ja	62	Je	44	55	55	.....	.....	.....	157,327
24	Wooden goods, not elsewhere specified.	8	62	10	1	2	.....	49	De	70	Mh	41	47	47	.....	.....	.....	181,573
25	Woolen goods	68	5,242	58	176	71	43	4,894	De	5,895	Mh	2,930	5,934	3,761	2,123	28	22	22,102,064
26	Worsted goods	71	12,083	44	286	278	140	11,335	De	12,626	Fe	9,254	12,696	4,719	7,261	318	398	58,578,166
27	All other industries *	521	64,596	440	1,969	4,119	2,016	56,052	.....		.....		55,154	48,435	6,021	420	278	423,126,945

*All other industries embrace—

Agricultural implements	2
Aluminum manufactures	1
Ammunition	2
Artificial flowers	11
Artists' materials	4
Automobiles	8
Bags, other than paper, not including bags made in textile mills	11
Baking powders	4
Bluing	5
Bone and lamp black	2
Boot and shoe cut stock	4
Butter	2
Buttons	22
Canning and preserving, fish	2
Card cutting and designing	16
Cardboard, not made in paper mills	5
Carriage and wagon materials	1
Cars and general shop construction and repairs by electric-railroad companies	4
Cars, electric-railroad, not including operations of railroad companies	1
Cash registers and calculating machines	4
Chewing gum	1
Chocolate and cocoa products	4
Cloth, sponging and refinishing	5
Clothing, horse	5
Coal-tar products	6
Combs and hairpins, not made from metal or rubber	1
Condensed milk	1
Cordials and flavoring sirups	5
Cotton lace	3
Crucibles, graphite and clay	3
Drug grinding	3
Emery and other abrasive wheels	4
Enameling	3
Engines, steam, gas, and water	4
Engravers' materials	2
Envelopes	10
Felt goods	3
Files	5
Firearms	2
Fire extinguishers, chemical	1
Flags and banners	4
Foundry supplies	4
Furs, dressed	1
Gas, illuminating and heating	4
Gas machines and gas and water meters	7
Glass	2
Gloves and mittens, leather	1
Glue, other than fish	4
Gold, leaf and foil	4
Gold and silver, reducing and refining, not from the ore	5
Hat and cap materials	6
Ink, writing	2
Iron and steel, steel works and rolling mills	6
Iron and steel, nails and spikes, wrought, including wire nails, not made in steel works or rolling mills	2
Iron and steel, wrought pipe	1
Ivory, shell, and bone work, not including combs or hairpins	2
Japanning	3
Jute goods	6
Labels and tags	7
Lead, bar, pipe, and sheet	2

1	**PITTSBURGH**—All industries.	1,875	102,557	1,595	3,872	9,925	3,875	83,290	Ja	88,435	My	77,161	87,273	76,162	10,194	492	425	505,583,166
2	Artificial limbs	6	55	4	7	6	2	36	Au [3]	38	Ja [3]	34	38	38	.....	.....	.....	62,106
3	Automobile bodies and parts	24	455	23	31	12	15	374	No	471	Ja	255	387	379	8	.....	.....	1,738,963
4	Automobile repairing	82	861	89	36	71	44	621	Jy	662	Ja	566	634	630	2	2	.....	1,556,259
5	Awnings, tents, and sails	13	83	17	6	4	2	54	Je	88	Ja	32	48	24	24	.....	.....	134,004
6	Bookbinding and blank-book making	14	134	16	7	.....	4	107	Oc	118	De	73	114	59	52	2	1	145,031
7	Boxes, cigar	3	76	1	6	.....	2	67	De	79	Ja	43	79	18	55	1	5	62,628
8	Boxes, paper and other, not elsewhere specified.	8	307	6	16	5	10	270	De	294	Fe	241	306	100	189	.....	17	486,175
9	Brass, bronze, and copper products	19	1,528	10	76	148	57	1,237	Fe	1,380	Au	1,151	1,211	1,209	2	.....	.....	7,622,656
10	Bread and other bakery products	244	5,263	262	93	708	183	4,017	.....		.....		4,311	2,787	1,503	11	10	14,339,506
11	Biscuit and crackers	4	2,385	.....	23	330	95	1,937	Ja	2,287	Ap	1,741	2,078	996	1,077	1	4	6,281,075
12	All other	240	2,878	262	70	378	88	2,080	De	2,206	Ja	1,978	2,233	1,791	426	10	6	8,058,431
13	Brick	13	473	8	21	6	6	432	My	509	Ja	333	493	482	11	.....	.....	1,707,641
14	Brooms, from broom corn	10	104	20	7	2	3	72	Au	88	My [3]	68	74	67	7	.....	.....	211,629
15	Brushes	5	93	6	11	5	4	67	Jy	73	My	63	68	49	19	.....	.....	450,175
16	Carriages and wagons, including repairs.	18	79	22	4	.....	.....	53	.....		.....		56	56	.....	.....	.....	227,244
17	Carriages and wagons	5	13	5	.....	.....	.....	8	My [3]	9	Au [3]	7	8	8	.....	.....	.....	44,110
18	Repair work only	13	66	17	4	.....	.....	45	Se	48	Ja	42	48	48	.....	.....	.....	183,134
19	Cars and general shop construction and repairs by steam-railroad companies.	9	8,702	.....	257	168	135	8,142	Ja	9,493	My	6,990	8,995	8,709	286	.....	.....	13,801,051
20	Chemicals	5	190	.....	9	62	32	87	Au	94	De	80	79	78	1	.....	.....	1,261,796
21	Cleansing and polishing preparations.	11	125	12	7	58	24	24	Se	45	Je	11	27	7	20	.....	.....	208,493
22	Clothing, men's	24	901	34	30	53	14	770	.....		.....		831	177	648	.....	6	1,745,400
23	Regular factory products	11	802	20	30	53	14	685	Se	742	Ja	604	743	132	605	.....	6	1,737,825
24	Contract work	13	99	14	.....	.....	.....	85	Ap	92	Au	78	88	45	43	.....	.....	7,575
25	Clothing, women's	10	101	15	3	3	6	74	Jy	80	De	69	62	8	53	.....	1	219,140

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

Expenses. Salaries and wages. Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent and taxes. Rent of factory.	Taxes, Federal, state, county, and local.	For materials. Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Power. Primary horsepower. Total.	Owned. Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.	
Dollars. 287,591	Dollars. 416,691	Dollars. 1,063,362	Dollars.	Dollars. 28,812	Dollars. 384,248	Dollars. 3,280,891	Dollars. 48,246	Dollars. 6,398,322	Dollars. 3,069,185	1,102	565	.....	133	.....	404	163	1
138,665	152,834	310,099	.....	22,046	51,035	1,165,919	17,324	2,243,961	1,060,718	526	180	.....	35	.....	311	66	2
169,328	46,080	465,199	552	38,236	75,434	278,946	27,169	1,559,947	1,253,832	559	.....	.....	.....	.....	559	.....	3
114,587	191,268	598,390	.....	22,995	17,567	968,767	32,202	2,446,780	1,445,811	443	374	.....	35	.....	34	.....	4
40,183	18,629	192,576	3,000	16,055	4,815	573,574	12,763	966,125	379,788	164	.....	.....	92	.....	72	23	5
336,088	513,075	2,473,238	4,958	35,217	94,039	5,869,223	81,010	10,707,860	4,757,627	2,686	405	.....	312	5	1,964	37	6
344,591	439,726	4,340,080	67,522	.....	1,199,618	117,893,102	1,902,906	133,796,119	14,000,051	9,762	6,095	3,667	.....	.....	.....	11,809	7
121,826	94,272	422,788	6,336	8,533	26,870	603,890	9,689	1,450,860	837,281	205	150	.....	8	.....	47	8	8
522,926	325,652	2,452,311	1,864	66,570	383,937	3,378,076	126,428	8,839,113	5,334,609	2,841	1,595	.....	233	.....	1,013	1,777	9
78,925	149,628	746,539	420	17,374	82,578	1,844,094	31,952	3,349,251	1,473,205	612	333	.....	114	.....	165	418	10
37,510	26,779	136,263	.....	11,046	24,303	608,004	3,291	945,501	334,206	100	90	.....	.....	.....	10	130	11
597,773	633,370	4,501,379	104,521	174,599	5,143,306	10,547,670	69,312	25,790,996	15,174,014	1,691	795	536	.....	.....	360	55	12
220,867	183,830	1,519,406	1,360	21,957	127,899	1,234,881	103,730	4,158,282	2,819,671	1,511	570	.....	154	15	772	3	13
131,635	48,024	527,120	19,025	11,839	51,267	955,283	21,670	2,141,627	1,164,674	509	300	.....	14	.....	195	297	14
254,162	256,298	971,918	3,672	57,080	159,329	2,551,773	18,281	5,663,536	3,093,482	380	200	.....	31	.....	149	180	15
47,379	48,471	673,853	25,483	6,360	9,712	1,341,563	62,240	2,880,652	1,476,849	1,357	1,316	.....	18	.....	23	315	16
100,054	80,488	368,492	.....	9,150	24,848	1,629,661	42,224	2,716,235	1,044,350	1,170	780	.....	.....	.....	390	115	17
131,826	141,555	103,287	75	8,192	9,932	1,163,769	11,405	1,861,560	686,386	159	76	.....	55	.....	28	.....	18
30,462	2,428	32,983	.....	3,294	21,854	364,445	6,062	621,167	250,660	25	15	.....	10	.....	.....	.....	19
56,136	64,169	298,132	.....	11,300	9,034	1,033,661	17,598	1,651,012	599,753	275	185	.....	.....	.....	90	80	20
19,650	10,646	51,506	.....	360	1,071	96,421	581	197,634	100,632	22	.....	.....	.....	.....	22	.....	21
48,960	170,326	133,883	2,500	13,805	18,203	249,678	6,043	719,455	463,734	133	.....	.....	89	.....	44	.....	22
7,453	3,375	54,132	1,200	4,852	1,268	55,953	3,321	177,417	118,143	185	32	.....	93	.....	60	.....	23
2,250	1,720	46,361	.....	6,415	1,187	97,256	2,861	198,355	98,238	99	50	.....	.....	.....	49	.....	24
826,638	251,083	6,082,584	336,901	140,060	666,160	20,830,696	365,546	36,265,468	15,069,226	10,792	8,077	500	55	.....	2,160	1,978	25
2,023,024	84,590	11,699,984	1,103,278	270,300	1,067,975	60,397,696	709,587	88,400,460	27,293,177	24,773	18,775	350	50	360	5,238	7,029	26
7,690,940	8,935,038	75,907,156	762,084	3,926,264	18,699,643	225,551,265	12,794,831	406,628,479	168,282,383	166,276	66,825	20,505	4,348	100	74,498	40,807	27
14,909,773	18,589,097	109,859,218	885,077	2,044,563	17,904,061	339,497,652	27,367,645	614,726,978	247,861,681	358,956	231,799	36,031	15,655	.....	75,471	124,857	1
10,845	11,674	49,828	.....	6,635	234	26,719	647	143,679	116,313	23	.....	.....	.....	.....	23	.....	2
76,865	29,851	518,728	12,681	25,833	32,424	561,294	19,722	1,616,540	1,035,524	613	.....	.....	83	.....	530	.....	3
81,890	128,993	844,397	20,652	82,934	18,498	881,808	27,743	2,551,515	1,641,964	648	17	.....	120	.....	511	.....	4
9,952	10,631	49,056	5,300	8,466	707	265,066	1,854	405,685	138,765	60	.....	.....	.....	.....	60	.....	5
21,544	2,932	80,926	2,700	13,991	683	44,929	2,148	241,417	194,340	95	.....	.....	.....	.....	95	.....	6
7,990	1,688	38,614	.....	4,300	104	71,927	1,535	141,984	68,522	24	.....	.....	.....	.....	24	.....	7
30,909	21,273	182,147	.....	20,394	2,925	348,442	10,447	795,635	436,746	412	180	.....	42	.....	190	87	8
329,876	269,453	1,629,229	151,321	30,438	451,971	5,707,370	152,238	10,500,727	4,641,119	3,672	1,875	.....	300	.....	1,497	1,358	9
323,555	1,650,160	3,914,516	7,203	161,619	387,962	15,308,106	289,926	27,637,588	12,039,556	4,470	2,399	100	356	.....	1,615	2,159	10
75,555	854,664	1,309,920	.....	29,200	145,318	4,452,963	72,136	9,179,292	4,654,193	1,800	1,674	100	.....	.....	26	1,247	11
248,000	795,496	2,604,596	7,203	132,419	242,644	10,855,143	217,790	18,458,296	7,385,363	2,670	725	.....	356	.....	1,589	912	12
50,500	11,854	452,713	.....	2,292	27,530	218,819	183,266	1,101,373	699,288	3,240	1,370	.....	8	.....	1,862	55	13
19,062	7,146	71,244	3,191	4,810	4,734	208,112	2,813	367,207	156,282	84	.....	.....	.....	.....	84	.....	14
35,988	34,851	64,669	.....	2,420	11,534	209,349	2,126	453,768	242,293	93	.....	.....	.....	.....	93	.....	15
8,715	.....	75,936	5,385	5,802	3,602	148,176	4,895	308,891	155,820	175	.....	.....	78	.....	97	.....	16
.....	.....	13,476	.....	1,020	731	13,540	924	35,425	20,961	23	.....	.....	.....	.....	23	.....	17
8,715	.....	62,460	5,385	4,782	2,871	134,636	3,971	273,466	134,859	152	.....	.....	78	.....	74	.....	18
472,178	411,321	10,321,886	.....	.....	5,786	6,471,349	367,328	18,913,648	12,074,971	11,585	8,168	2,000	.....	.....	1,417	784	19
48,167	100,660	116,474	.....	9,097	68,215	626,047	70,334	1,303,215	606,834	960	123	.....	85	.....	752	10	20
16,525	88,250	12,582	900	8,926	1,293	69,639	2,340	226,162	154,183	43	24	.....	.....	.....	19	.....	21
67,352	142,643	572,773	8,301	58,364	7,568	2,122,609	17,966	3,340,648	1,200,073	152	.....	.....	.....	.....	152	.....	22
67,352	142,643	469,838	8,301	53,480	7,558	2,122,484	16,816	3,190,110	1,050,810	139	.....	.....	.....	.....	139	.....	23
.....	.....	102,935	.....	4,884	10	125	1,150	150,538	149,263	13	.....	.....	.....	.....	13	.....	24
4,437	6,005	50,840	380	6,467	332	206,529	1,781	353,611	145,301	16	.....	.....	.....	.....	16	.....	25

Liquors, distilled, grain alcohol..... 2
Liquors, vinous..... 1
Locomotives, not made by railroad companies..... 1
Lubricating greases..... 3
Mats and matting, from cocoa fiber, grass and coir, etc..... 1
Motorcycles, bicycles, and parts..... 2
Musical instruments, organs..... 4
Musical instruments, pianos..... 4
Musical instruments, piano materials. 3
Needles, pins, and hooks and eyes.... 6
Nets and seines..... 2
Oilcloth and linoleum, floor..... 2
Paving materials..... 2
Peanuts, grading, roasting, cleaning, and shelling..... 6
Pencils, lead..... 2
Pens, fountain and stylographic..... 1
Pens, steel..... 1
Petroleum, refining..... 1
Phonographs and graphophones..... 1
Photographic materials..... 9
Pipes, tobacco..... 2
Plated ware..... 2
Pottery, china, earthen, and stone ware..... 2
Printing and publishing, music..... 14
Printing materials..... 5
Pumps, not including power pumps.. 3
Pumps, steam..... 1
Roofing materials..... 4
Rubber tires, tubes, and rubber goods, not elsewhere specified..... 8
Safes and vaults..... 2
Sand and emery paper and cloth..... 2
Sausage, not made in slaughtering and meat-packing establishments.. 7
Saws..... 3
Scales and balances..... 2
Sewing-machine attachments..... 1
Sewing-machine cases..... 1
Shipbuilding, steel..... 4
Shipbuilding, wooden, repair work, and masts, spars, oars, and rigging.. 6
Show cases..... 2
Silversmithing and silverware..... 5
Smelting and refining, not from the ore..... 6
Soda-water apparatus..... 3
Sporting and athletic goods..... 3
Springs, steel, car and carriage, not made in steel works or rolling mills.. 5
Steel barrels, drums, and tanks..... 1
Stencils and brands..... 9
Suspenders, garters, and elastic woven goods..... 9
Tin plate and terneplate..... 3
Type founding..... 1
Typewriter supplies, carbon paper and ribbon..... 5
Vault lights and ventilators..... 2
Waste..... 42
Watchcases..... 2
Watch materials..... 1
Window and door screens..... 5
Window shades and fixtures..... 23
Wire..... 1
Wood preserving..... 1
Wool pulling..... 3
Wool scouring..... 3
Wool shoddy..... 8

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	PITTSBURGH—Continued.															*Dollars.*
1	Confectionery and ice cream	32	2,157	23	59	149	77	1,849	.....	.....	2,013	1,020	944	14	35	6,657,169
2	Confectionery	27	1,379	23	41	52	28	1,235	No 1,511	Ja 1,049	1,439	472	919	13	35	3,469,255
3	Ice cream	5	778	.....	18	97	49	614	Jy 712	Ja 549	574	548	25	1	.....	3,187,914
4	Cooperage	3	128	2	10	2	5	109	Ja 141	My [3] 96	116	101	1	14	.....	407,312
5	Copper, tin, and sheet-iron work	74	580	83	32	12	25	428	Au 480	Mh 381	418	406	10	1	1	1,335,283
6	Druggists' preparations	6	99	2	11	21	7	58	Ap 64	No 51	54	20	31	3	.....	247,629
7	Electrical machinery, apparatus, and supplies.	23	1,989	6	109	121	98	1,655	Oc 1,774	My 1,527	1,686	1,408	274	4	.....	7,555,130
8	Electroplating	3	20	4	.....	.....	1	15	Jy 17	Ja [3] 13	16	16	.....	.....	.....	17,014
9	Flavoring extracts	5	7	5	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	7,900
10	Food preparations, not elsewhere specified.	15	292	16	9	44	14	209	.....	.....	243	151	92	.....	.....	1,156,984
11	Macaroni, vermicelli, and noodles	5	75	3	4	5	1	62	My 69	Au 52	65	44	21	.....	.....	208,964
12	All other	10	217	13	5	39	13	147	Fe 167	Se 131	178	107	71	.....	.....	948,020
13	Foundry and machine-shop products.	122	8,963	58	525	752	300	7,328	.....	.....	7,413	7,285	126	2	.....	36,872,903
14	Boiler shops	10	474	4	33	19	6	412	De 445	My [3] 361	445	444	1	.....	.....	1,823,720
15	Foundries	12	1,547	7	72	80	16	1,372	De 1,483	Oc 1,262	1,469	1,448	21	.....	.....	6,113,823
16	Machine shops	87	4,938	45	303	476	226	3,888	Fe 4,004	My 3,800	4,035	3,937	96	2	.....	20,480,069
17	Machine shop and foundry combined.	13	2,004	2	117	177	52	1,656	Ja 2,005	Oc 1,400	1,464	1,456	8	.....	.....	8,455,291
18	Fur goods	14	145	13	8	5	20	99	Oc 130	Fe 74	119	49	65	5	.....	685,839
19	Furniture	14	300	8	20	16	12	244	.....	.....	267	262	4	1	.....	895,696
20	Wood, other than rattan and willow.	9	131	5	8	9	3	106	Je 115	Ja 95	115	111	3	1	.....	511,955
21	Store and office fixtures	5	169	3	12	7	9	138	No 166	Ja 85	152	151	1	.....	.....	383,741
22	Gas and electric fixtures	8	86	6	13	2	6	59	Ja 82	My [3] 50	77	38	35	3	1	171,144
23	Glass	8	1,286	1	47	24	123	1,091	No 1,264	Ja 922	1,330	1,158	140	18	14	2,669,475
24	Glass, cutting, staining, and ornamenting.	17	149	17	9	4	5	114	.....	.....	157	68	84	.....	5	390,934
25	Decalcomania work	6	103	7	5	1	4	86	De 119	Ja 58	119	35	79	.....	5	280,252
26	All other	11	46	10	4	3	1	28	No [3] 33	Fe 24	38	33	5	.....	.....	110,682
27	Grease and tallow, not including lubricating greases.	4	763	.....	29	15	1	718	Fe 786	No 651	711	585	126	.....	.....	1,236,772
28	Hair work	7	11	8	.....	.....	.....	3	(4) 3	(4) 3	3	.....	3	.....	.....	7,070
29	Hand stamps	4	291	.....	22	54	39	176	Oc [3] 187	Ap [3] 165	183	153	24	6	.....	663,208
30	Hats and caps, other than felt, straw, and wool.	5	38	7	1	.....	.....	30	(4) 30	(4) 30	29	21	8	.....	.....	102,567
31	House-furnishing goods, not elsewhere specified.	7	105	3	5	12	5	80	Oc 90	Au 67	89	46	42	.....	1	278,406
32	Ice, manufactured	12	574	6	24	27	21	496	Je 682	Ja 312	527	519	8	.....	.....	6,940,070
33	Instruments, professional and scientific.	5	178	5	15	10	3	145	Ja 170	Au 115	137	122	15	.....	.....	473,805
34	Iron and steel, blast furnaces	4	1,594	.....	69	140	48	1,337	Ja 1,785	My 957	1,551	1,548	3	.....	.....	25,325,917
35	Iron and steel, steel works and rolling mills.	25	30,009	.....	585	3,720	1,043	24,661	Ja 27,848	Je 22,081	25,138	24,929	193	12	4	177,266,821
36	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	7	1,488	3	34	74	25	1,352	Ja 1,547	Oc 1,194	1,380	1,154	197	24	5	4,664,035
37	Iron and steel forgings, not made in steel works or rolling mills.	6	1,073	2	61	121	46	843	Ja 938	Je 760	915	914	.....	1	.....	3,361,664
38	Iron and steel, welding	6	18	2	3	.....	1	12	Ja [3] 14	Jy [3] 10	11	11	.....	.....	.....	33,457
39	Jewelry	17	172	21	10	9	21	111	Au 121	Ja 100	114	93	17	3	1	917,956
40	Liquors, malt	8	773	.....	32	78	2	661	Je 771	Fe [3] 615	608	607	1	.....	.....	27,177,460
41	Looking-glass and picture frames	7	33	9	.....	2	4	18	Ap [3] 19	Ja 16	19	17	2	.....	.....	83,080
42	Lumber, planing-mill products, not including planing mills connected with sawmills.	35	495	30	49	36	15	365	No 421	Fe 297	415	400	15	.....	.....	2,297,880
43	Marble and stone work	23	193	32	10	3	3	145	De 161	Ja 108	165	163	2	.....	.....	527,303
44	Mattresses and spring beds, not elsewhere specified.	8	333	7	13	11	8	294	Se 316	De 257	264	203	57	4	.....	1,199,720
45	Millinery and lace goods, not elsewhere specified.	5	191	6	.....	10	2	173	No 186	Jy [3] 162	182	2	179	.....	1	54,135
46	Mineral and soda waters	27	164	28	8	17	5	106	Ja 148	Jy 76	96	94	2	.....	.....	511,473
47	Models and patterns, not including paper patterns.	19	150	19	10	2	.....	119	De 139	Ap 105	135	131	.....	4	.....	269,119
48	Mucilage, paste, and other adhesives, not elsewhere specified.	3	7	4	.....	.....	.....	3	Mh [3] 4	Oc [3] 1	5	4	1	.....	.....	8,441
49	Oil, mineral and composite	3	20	1	5	4	3	7	Oc 8	De 6	7	7	.....	.....	.....	386,761
50	Optical goods	7	215	3	19	20	19	154	De 162	Ja 149	163	125	21	17	.....	458,593
51	Paints	10	320	3	26	67	25	199	Jy 235	Ja 170	200	167	31	2	.....	2,371,294
52	Patent medicines and compounds	29	139	21	19	12	8	79	.....	.....	81	40	41	.....	.....	608,349
53	Patent and proprietary medicines.	16	105	14	12	9	4	66	De 69	Ja 59	70	29	41	.....	.....	498,036
54	Patent and proprietary compounds, not elsewhere specified.	13	34	7	7	3	4	13	Ja [3] 14	Oc [3] 12	11	11	.....	.....	.....	110,313
55	Perfumery and cosmetics	5	29	2	3	4	6	14	(4) 14	(4) 14	15	5	9	.....	1	41,780
56	Petroleum, refining	3	683	.....	11	89	25	558	Je 662	De 495	482	477	5	.....	.....	4,794,135
57	Photo-engraving	5	94	4	7	11	3	69	De 77	Ja 58	77	75	.....	2	.....	131,586
58	Pickles, preserves, and sauces	10	2,803	7	189	529	305	1,773	Au 2,109	My 1,555	1,651	780	598	91	182	14,366,729
59	Plumbers' supplies, not elsewhere specified.	3	543	.....	12	45	19	467	De 1,026	Ap 89	1,026	1,013	8	5	.....	2,626,020
60	Printing and publishing, book and job.	178	2,069	209	129	128	110	1,493	.....	.....	1,606	1,044	468	85	9	5,363,895
61	Job printing	164	1,955	197	117	94	92	1,455	De 1,577	Ja 1,370	1,562	1,005	464	84	9	5,186,183
62	Book publishing and printing	8	71	6	10	34	17	4	Au [3] 5	Ja [3] 3	5	4	1	.....	.....	80,641
63	Linotype work and typesetting	6	43	6	2	.....	1	34	De 38	Ja 30	39	35	3	1	.....	97,071

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.						Electric horsepower generated in establishments reporting.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
311,952	386,593	1,831,341	2,319	86,329	381,017	6,738,493	177,129	11,443,255	4,527,633	5,766	2,636	258	2,130	.....	742	1,469	1
230,211	161,323	853,083	2,319	58,828	244,021	4,500,533	58,712	7,364,591	2,805,346	1,143	405	.....	190	.....	548	240	2
81,741	224,770	978,258	.....	27,501	136,996	2,237,960	118,417	4,078,664	1,722,287	4,623	2,231	258	1,940	.....	194	1,229	3
34,489	8,559	87,598	.....	3,112	45,312	553,501	3,376	963,545	406,668	130	.....	.....	25	.....	105	.....	4
66,611	39,930	580,667	2,899	33,925	35,485	1,059,278	13,702	2,301,119	1,228,139	367	.....	.....	69	.....	298	.....	5
40,187	87,513	42,026	.....	1,660	7,237	190,601	2,641	436,683	243,441	25	.....	.....	.....	.....	25	.....	6
438,598	216,366	1,743,849	.....	27,663	375,807	4,595,121	133,266	9,726,094	4,997,707	2,863	100	.....	427	.....	2,336	859	7
.....	320	19,421	.....	2,910	.....	2,536	1,538	34,094	29,970	54	.....	.....	.....	.....	54	.....	8
.....	345	450	.....	917	2	7,406	82	15,388	7,900	2	.....	.....	.....	.....	2	.....	9
39,863	75,880	186,166	.....	25,165	7,481	1,534,883	18,167	2,138,251	585,201	515	125	.....	171	.....	219	92	10
13,150	7,069	55,070	.....	2,130	5,209	292,586	6,249	422,017	123,182	224	.....	.....	165	.....	59	50	11
26,713	68,811	131,096	.....	23,035	2,272	1,242,297	11,918	1,716,234	462,019	291	125	.....	6	.....	160	42	12
2,072,468	1,623,533	10,436,501	23,417	238,046	1,915,666	17,778,339	901,279	43,169,341	24,489,723	21,405	2,864	.....	2,762	.....	15,779	6,055	13
169,226	43,590	565,438	10,254	11,965	92,403	653,824	33,016	1,796,996	1,110,156	1,929	635	.....	815	.....	479	.....	14
277,060	169,132	1,771,246	.....	41,433	175,214	2,516,602	286,509	6,191,646	3,388,535	5,238	75	.....	90	.....	5,073	.....	15
1,153,507	924,940	5,617,066	13,163	147,164	926,282	9,681,846	372,827	23,317,407	13,262,734	9,584	749	.....	1,118	.....	7,717	1,880	16
472,675	485,871	2,482,151	.....	37,484	721,767	4,926,067	208,927	11,863,292	6,728,298	4,654	1,405	.....	739	.....	2,510	4,175	17
22,055	32,010	127,338	500	35,061	7,659	273,560	2,607	694,033	417,866	31	.....	.....	4	.....	27	.....	18
63,495	39,305	302,887	245	17,329	11,022	835,966	10,481	1,523,849	677,402	322	35	.....	2	.....	285	.....	19
23,255	14,607	117,998	.....	15,863	4,421	622,751	3,484	902,416	276,181	111	.....	.....	2	.....	109	.....	20
40,240	24,698	184,889	245	1,466	6,601	213,215	6,997	621,433	401,221	211	35	.....	.....	.....	176	.....	21
26,181	6,056	43,448	323	6,173	1,097	173,371	2,616	340,157	164,170	69	.....	.....	25	.....	44	.....	22
106,209	68,635	1,101,942	1,992	5,160	35,576	961,827	304,219	2,716,601	1,450,555	1,894	125	.....	525	.....	1,244	.....	23
17,203	13,576	92,618	1,578	9,750	1,737	158,060	8,418	433,815	267,337	92	.....	.....	15	.....	77	.....	24
10,375	6,806	63,213	.....	4,764	1,334	100,212	6,201	286,831	180,418	56	.....	.....	.....	.....	56	.....	25
6,828	6,770	29,405	1,578	4,986	403	57,848	2,217	146,984	86,919	36	.....	.....	15	.....	21	.....	26
45,614	18,495	720,619	.....	11,519	40,029	678,101	104,163	1,706,582	924,318	1,359	665	.....	.....	.....	694	.....	27
.....	.....	1,924	500	5,580	10	6,225	137	26,639	20,277	.....	.....	.....	.....	.....	.....	.....	28
91,402	140,028	187,563	.....	8,570	102,001	244,811	6,784	849,950	598,355	286	225	.....	.....	.....	61	213	29
3,844	.....	38,594	.....	3,482	20	126,477	11,907	228,098	89,714	6	.....	.....	.....	.....	6	.....	30
13,677	19,586	89,760	.....	9,933	24,840	354,318	204	559,699	205,177	5	.....	.....	.....	.....	5	.....	31
73,241	58,469	658,336	.....	8,760	57,101	438,561	340,916	2,055,342	1,275,865	6,128	4,129	210	125	.....	1,664	346	32
50,364	9,681	189,040	.....	6,160	13,293	194,777	3,936	661,790	463,077	83	.....	.....	.....	.....	83	.....	33
386,713	330,583	2,796,147	.....	12,198	289,602	14,715,358	6,412,830	31,376,111	10,247,923	60,549	45,516	15,033	.....	.....	.....	6,048	34
3,072,115	5,311,780	40,768,044	.....	32,695	3,763,067	124,157,026	10,285,900	203,051,815	68,608,889	154,064	127,461	11,909	1,225	.....	13,469	74,497	35
165,014	173,207	1,383,671	.....	1,201	470,068	3,721,674	193,705	7,730,280	3,814,901	4,252	10	.....	850	.....	3,392	12	36
265,978	242,903	1,200,343	.....	3,882	240,246	2,409,418	195,538	4,528,471	1,923,515	2,115	100	417	35	.....	1,563	30	37
5,300	900	22,490	.....	3,038	555	13,275	4,418	63,374	45,681	172	.....	.....	8	.....	164	.....	38
34,886	22,717	144,231	14,221	26,681	13,236	344,298	3,401	847,795	500,096	154	.....	.....	80	.....	74	2	39
108,637	162,858	915,857	.....	.....	2,185,580	1,496,381	114,949	7,878,667	6,267,337	6,665	6,605	.....	.....	.....	60	2,229	40
.....	5,689	22,534	.....	5,700	214	112,119	1,161	177,575	64,295	7	.....	.....	.....	.....	7	.....	41
167,887	64,516	535,795	17,346	46,557	134,816	1,236,857	42,346	2,891,811	1,612,608	2,675	270	.....	330	.....	2,075	218	42
34,739	6,050	220,140	6,007	4,314	5,520	246,988	9,103	651,539	395,448	666	35	.....	359	.....	272	2	43
58,185	35,767	269,527	.....	18,926	60,011	1,032,876	13,313	1,643,530	597,341	555	75	125	60	.....	295	290	44
.....	11,675	108,486	.....	9,201	2,297	225,895	953	442,620	215,772	7	.....	.....	.....	.....	7	.....	45
26,122	27,159	125,630	35	9,920	67,828	374,998	10,321	882,255	496,936	176	.....	.....	14	.....	162	.....	46
25,487	2,790	148,548	.....	10,469	2,103	80,597	5,656	357,718	271,465	330	.....	.....	76	.....	254	.....	47
.....	.....	3,005	.....	944	10	5,375	266	14,420	8,779	17	14	.....	.....	.....	3	.....	48
20,700	5,513	7,133	.....	630	24,084	232,863	2,287	317,129	81,979	44	.....	.....	14	.....	30	.....	49
52,037	35,222	110,327	.....	19,163	14,928	317,991	8,580	667,546	340,975	105	.....	.....	.....	.....	105	.....	50
150,547	138,554	231,353	1,896	12,670	160,092	2,578,540	21,558	4,034,272	1,434,174	1,075	450	.....	120	.....	505	259	51
85,730	24,185	66,415	1,020	14,315	172,522	464,774	3,695	1,253,758	785,289	48	.....	.....	.....	.....	48	.....	52
68,498	16,927	54,535	298	8,954	171,926	395,058	3,027	1,108,735	710,650	32	.....	.....	.....	.....	32	.....	53
17,232	7,258	11,880	722	5,361	596	69,716	668	145,023	74,639	16	.....	.....	.....	.....	16	.....	54
4,150	8,513	8,538	.....	3,205	208	42,217	145	93,630	51,268	4	.....	.....	.....	.....	4	.....	55
68,458	171,264	775,004	19,379	.....	510,034	8,981,294	237,392	11,328,596	2,109,910	487	485	.....	.....	.....	2	145	56
51,311	15,456	118,844	5,917	12,121	1,454	75,327	3,891	349,970	270,752	38	.....	.....	.....	.....	38	.....	57
602,096	1,270,339	438,542	.....	7,719	580,241	10,498,366	145,702	20,201,265	9,557,197	2,428	1,779	.....	401	.....	248	2,442	58
65,204	51,711	625,631	.....	4,768	77,881	856,467	95,311	1,883,411	936,633	2,569	1,133	.....	.....	.....	1,436	.....	59
363,712	300,009	1,585,280	101,627	183,172	45,423	2,295,146	57,890	6,489,234	4,136,198	1,628	115	.....	213	.....	1,300	141	60
306,883	204,159	1,532,538	45,827	167,208	44,673	2,275,276	56,864	6,099,105	3,766,965	1,613	115	.....	213	.....	1,285	141	61
53,584	95,070	5,622	51,531	4,352	72	13,969	187	260,421	246,265	2	.....	.....	.....	.....	2	.....	62
3,245	780	47,120	4,269	11,612	678	5,901	839	129,708	122,963	13	.....	.....	.....	.....	13	.....	63

[1] Same number reported for one or more other months.
[2] Same number reported throughout the year.

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PITTSBURGH—Continued.															*Dollars.*
1	Printing and publishing, newspapers and periodicals.	86	2,628	44	175	734	221	1,454	.....	.....	1,476	1,355	91	29	1	10,959,747
2	Printing and publishing	14	2,023	1	98	646	153	1,125	De 1,143	Ap 1,108	1,143	1,115	10	18	.....	9,578,576
3	Printing, publishing, and job printing.	23	392	9	32	17	16	318	Jy 358	Ja [3] 297	322	232	78	11	1	1,057,009
4	Publishing without printing	49	213	34	45	71	52	11	(4) 11	(4) 11	11	8	3	.....	.....	324,162
5	Shirts	6	103	8	7	10	3	75	Oc [3] 82	Ja 65	82	6	76	.....	.....	217,357
6	Signs and advertising novelties	9	71	6	6	4	3	52	.....	.....	59	58	1	.....	.....	132,101
7	Signs, other than electric	6	48	5	4	1	1	37	Jy [3] 45	Fe 26	39	38	1	.....	.....	86,459
8	Electric signs and advertising novelties.	3	23	1	2	3	2	15	Oc 22	De 11	20	20	.....	.....	.....	45,642
9	Slaughtering and meat packing	21	1,607	15	55	213	52	1,272	Oc 1,393	No 1,055	1,391	1,329	58	4	.....	6,911,299
10	Soap	6	390	7	21	31	23	308	No 382	Ja 214	306	233	70	2	1	2,763,787
11	Springs, steel, car and carriage, not made in steel works or rolling mills.	5	556	.....	30	62	4	460	Je 498	Oc 403	460	457	3	.....	.....	5,618,848
12	Steam fittings and steam and hot-water heating apparatus.	7	682	1	31	157	69	424	De 482	Ja 334	509	504	.....	5	.....	3,067,018
13	Steam packing	4	38	4	6	3	2	23	De 33	My 19	33	28	5	.....	.....	284,150
14	Stoves, gas and oil	14	168	12	18	8	16	114	Se 138	Fe 89	122	111	11	.....	.....	808,130
15	Structural ironwork, not made in steel works or rolling mills.	21	860	17	39	112	17	675	Ja 724	My 617	696	694	1	1	.....	3,634,982
16	Tinware, not elsewhere specified	7	220	7	13	30	20	150	Ap 182	No 123	142	65	77	.....	.....	1,305,432
17	Tobacco, cigars and cigarettes	123	1,711	126	42	16	18	1,509	De 1,603	Fe 1,401	1,606	281	1,282	1	42	3,449,764
18	Tobacco, smoking, and snuff	4	10	6	.....	.....	.....	4	(4) 4	(4) 4	4	2	2	.....	.....	11,173
19	Tools, not elsewhere specified	10	247	8	11	15	4	209	Se 224	My 200	208	174	31	3	.....	1,018,563
20	Trunks and valises	9	175	9	8	15	6	137	Jy 159	Ja 111	158	128	14	5	11	438,760
21	Vinegar and cider	5	104	1	14	26	9	54	De 70	Jy 40	70	54	16	.....	.....	332,982
22	Wirework, including wire rope and cable, not elsewhere specified.	5	21	4	1	2	.....	14	Jy 16	Se [3] 12	12	12	.....	.....	.....	121,815
23	All other industries*	174	11,667	89	516	774	355	9,933	.....	.....	10,232	8,363	1,694	105	70	74,909,448

* All other industries embrace—

Artificial flowers	2
Artificial stone products	2
Automobiles	4
Babbitt metal	1
Baking powders	3
Baskets, and rattan and willow ware	3
Belting, leather	1
Blacking, stains, and dressings	2
Bluing	1
Boot and shoe cut stock	1
Cars and general shop construction and repairs by electric-railroad companies	1
Cars, steam-railroad, not including operations of railroad companies	1
Cheese	1
Chocolate and cocoa products	1
Cloth, sponging and refinishing	1
Coal-tar products	3
Coffee, roasting and grinding	11
Coffins, burial cases, and undertakers' goods	3
Coke, not including gas-house coke	3
Cordials and flavoring sirups	2
Cork, cutting	2
Corsets	2
Crucibles, clay	1
Dental goods	2
Dyeing and finishing textiles, exclusive of that done in textile mills	1
Engines, steam, gas, and water	1
Engraving and diesinking	4
Engraving, steel and copper plate, including plate printing	10
Ferroalloys	1
Foundry supplies	1
Galvanizing	3
Gas, illuminating and heating	2
Gas machines and gas and water meters	3
Gloves and mittens, leather	2
Gold and silver, reducing and refining, not from the ore	2
Hardware, builders'	1
Ink, writing	1
Iron and steel, wrought pipe	1
Labels and tags	1
Lamps	3
Lead, bar, pipe, and sheet	2
Leather goods, not elsewhere specified	2
Leather, tanned, curried, and finished	2
Lithographing	4

1	**READING**—All industries	527	32,502	492	1,025	1,260	603	29,122	De 32,225	Ap 26,613	32,400	22,762	8,113	830	695	86,341,641
2	Automobile bodies and parts	6	702	2	18	41	11	630	De 705	Je 566	705	701	2	2	.....	1,407,557
3	Automobile repairing	20	77	18	2	.....	3	54	Se 62	Ja [3] 46	61	61	.....	.....	.....	147,408
4	Bookbinding and blank-book making	4	59	4	3	3	3	46	Oc [3] 48	Ja 43	53	30	17	5	1	62,975
5	Boxes, set-up paper boxes	7	210	7	7	2	7	187	Oc 229	Mh 151	217	81	105	22	9	305,632
6	Brass and bronze products	6	146	1	16	2	1	126	De 146	Ap 106	146	144	1	1	.....	285,685
7	Bread and other bakery products	47	523	52	14	65	15	377	Jy 391	Ja 364	383	308	62	11	2	1,292,720
8	Brooms, from broom corn	5	10	6	.....	.....	.....	4	(4) 4	(4) 4	5	5	.....	.....	.....	13,927
9	Clothing, women's	3	44	3	2	.....	2	37	Au 45	No 28	30	3	26	.....	1	76,210
10	Coffee, roasting and grinding	4	16	5	.....	5	.....	6	(4) 6	(4) 6	6	6	.....	.....	.....	22,298
11	Confectionery and ice cream	28	1,001	36	25	45	16	879	.....	.....	1,006	494	400	79	33	2,121,400
12	Confectionery	16	939	20	24	41	14	840	Se 1,038	My 706	949	442	395	79	33	1,863,467
13	Ice cream	12	62	16	1	4	2	39	Se 66	Ja 15	57	52	5	.....	.....	257,933
14	Copper, tin, and sheet-iron work	11	48	14	.....	.....	.....	34	My [3] 36	Ja 29	32	32	.....	.....	.....	77,861
15	Dyeing and finishing textiles, exclusive of that done in textile mills.	6	219	6	18	7	6	182	De 212	My 154	212	161	37	11	3	529,612
16	Foundry and machine-shop products.	30	1,738	21	79	88	47	1,503	.....	.....	1,638	1,602	.....	36	.....	5,722,692
17	Boiler shops and foundries	9	986	6	45	47	34	854	De 945	Je 745	945	943	.....	2	.....	3,814,155
18	Machine shops, including machine shops and foundries combined.	21	752	15	34	41	13	649	No 697	Ap 589	693	659	.....	34	.....	1,908,537
19	Gas and electric fixtures	5	35	4	4	4	.....	23	Oc [3] 27	Ja 20	29	29	.....	.....	.....	95,587
20	Hardware	5	1,400	3	21	63	28	1,285	No 1,396	Fe [3] 1,166	1,391	1,171	126	84	10	3,930,834
21	Jewelry	3	23	3	4	.....	2	14	(4) 14	(4) 14	14	12	2	.....	.....	75,860
22	Knit goods	56	7,228	54	197	77	82	6,818	Oc 7,388	Mh 6,104	7,372	1,826	4,707	304	535	17,283,592
23	Liquors, malt	4	143	1	13	18	.....	111	Jy 119	Ja 104	109	109	.....	.....	.....	1,978,804
24	Lumber, planing-mill products, not including planing mills connected with sawmills.	4	109	2	9	4	3	91	De 100	Ja [3] 76	101	99	2	.....	.....	374,329
25	Marble and stone work	8	97	8	14	3	2	70	Jy 75	Ja [3] 65	71	71	.....	.....	.....	157,325
26	Mineral and carbonated waters	6	23	7	1	.....	.....	15	Ja [3] 18	Jy 12	17	17	.....	.....	.....	103,917
27	Models and patterns, not including paper patterns.	6	64	6	1	1	2	54	De 62	Fe 50	62	56	.....	6	.....	60,868

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Rented.[2]	Electric horsepower generated in establishments reporting.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]			
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
618,496	1,119,611	1,983,934	390,644	124,208	264,393	4,824,967	81,585	13,631,162	8,724,610	2,766	.....	.....	488	.....	2,278	402	1
465,353	930,427	1,601,547	33,140	86,335	254,366	4,396,999	66,728	11,574,060	7,110,333	2,258	.....	.....	445	.....	1,813	387	2
63,049	47,143	371,511	17,239	18,782	8,384	399,985	14,785	1,149,009	734,239	506	.....	.....	43	.....	463	15	3
90,094	142,041	10,876	340,265	19,091	1,643	27,983	72	908,093	880,038	2	.....	.....	.....	.....	2	.....	4
5,340	29,305	57,969	1,000	6,433	1,270	261,089	814	408,586	146,683	129	.....	.....	120	.....	9	63	5
15,207	6,917	76,592	7,000	4,754	480	140,643	687	307,107	165,777	24	.....	.....	.....	.....	24	.....	6
10,857	1,228	47,503	7,000	2,853	192	94,611	510	193,919	98,798	10	.....	.....	.....	.....	10	.....	7
4,350	5,689	29,089	.....	1,901	288	46,032	177	113,188	66,979	14	.....	.....	.....	.....	14	.....	8
249,663	398,796	1,504,195	.....	111,355	262,270	25,453,316	182,095	29,889,143	4,253,732	4,873	3,772	.....	171	.....	930	1,624	9
66,500	78,178	374,438	.....	4,500	23,434	1,197,912	77,845	2,413,491	1,137,734	640	18	.....	50	.....	572	.....	10
184,322	128,184	621,400	.....	14,048	362,818	2,232,832	140,515	4,664,410	2,291,063	1,061	458	.....	105	.....	498	63	11
199,009	289,035	547,962	.....	27,454	456,435	2,570,555	25,305	5,154,675	2,558,815	1,004	75	.....	25	.....	904	.....	12
36,455	5,002	25,905	.....	1,930	3,453	104,182	2,302	207,906	101,422	308	100	.....	200	.....	8	.....	13
42,033	42,138	130,488	.....	13,658	13,748	485,539	5,502	890,203	399,162	187	.....	.....	90	.....	97	51	14
164,885	236,834	1,019,131	19,769	16,481	69,911	2,048,736	89,427	4,158,701	2,020,538	2,553	255	.....	1,035	.....	1,263	873	15
41,547	77,393	128,825	400	4,937	16,754	858,840	3,689	1,225,428	362,899	234	.....	.....	40	.....	194	.....	16
111,067	38,571	947,014	2,212	28,978	611,631	1,691,103	17,300	3,845,484	2,137,081	200	.....	.....	35	.....	165	.....	17
.....	.....	2,320	.....	335	7,662	13,786	119	25,872	11,967	6	.....	.....	.....	.....	6	.....	18
62,819	38,590	203,090	.....	7,750	43,968	277,027	33,535	927,353	616,791	596	20	.....	144	.....	432	.....	19
28,066	27,246	132,342	.....	14,159	1,450	300,308	4,830	604,382	299,244	96	.....	.....	.....	.....	96	.....	20
32,196	27,780	63,220	.....	6,504	6,166	477,307	2,632	708,859	228,920	92	75	.....	.....	.....	17	15	21
2,080	1,820	16,465	.....	4,000	1,224	79,637	864	123,788	43,287	25	.....	.....	10	.....	15	.....	22
2,039,877	1,850,072	11,863,707	44,757	209,598	2,846,480	49,561,251	5,621,561	83,951,018	28,768,206	35,565	17,918	5,979	2,005	.....	9,663	21,964	23

Locomotives, not made by railroad companies 2
Lubricating greases 3
Machine tools 1
Minerals and earths, ground or otherwise treated 2
Mirrors, framed and unframed, not elsewhere specified 3
Musical instruments and materials, not elsewhere specified 2
Paper goods, not elsewhere specified 2
Paving materials 1
Peanuts, grading, roasting, cleaning, and shelling 1
Photographic materials 1
Plated ware 1
Printing materials 2
Pumps, steam 2
Refrigerators 2
Regalia, and society badges and emblems 2
Roofing materials 2
Rubber tires, tubes, and rubber goods, not elsewhere specified 2
Saddlery and harness 1
Sausage, not made in slaughtering and meat-packing establishments 1
Saws 3
Shipbuilding, steel, new vessels 1
Shipbuilding, wooden, new vessels 2
Smelting and refining, not from the ore 2
Soda-water apparatus 1
Stamped ware, not elsewhere specified 2
Statuary and art goods 2
Stencils and brands 1
Stereotyping and electrotyping 2
Stoves and hot-air furnaces 4
Surgical appliances 1
Suspenders, garters, and elastic woven goods 1
Toys and games 4
Type founding 1
Varnishes 2
Washing machines and clothes wringers 1
Watch materials 1
Window and door screens and weather strips 2
Window shades and fixtures 1
Wood, turned and carved 2
Wooden goods, not elsewhere specified 2
Wool pulling 1
Worsted goods 1

3,201,829	2,326,345	29,623,935	253,793	278,936	4,582,734	78,700,285	3,993,543	141,560,831	58,867,003	57,559	33,186	1,876	571	128	21,798	16,500	1
82,383	70,691	696,099	.....	15,898	194,330	1,275,303	37,916	2,846,093	1,532,874	931	175	.....	.....	.....	756	135	2
2,739	1,270	76,849	.....	5,052	1,501	75,242	5,076	210,438	130,120	207	.....	.....	1	.....	206	.....	3
9,018	5,335	30,602	.....	2,406	144	32,386	1,623	117,565	83,556	26	.....	.....	.....	.....	26	.....	4
13,361	5,731	112,910	208	3,925	2,071	217,733	4,766	409,412	186,913	102	50	.....	.....	.....	52	31	5
44,576	11,176	141,733	.....	1,735	13,173	324,264	15,433	620,341	280,644	70	.....	.....	.....	.....	70	.....	6
33,416	109,415	326,968	.....	6,700	5,881	1,312,488	57,412	2,303,587	933,687	403	75	.....	.....	.....	328	10	7
.....	.....	5,698	.....	264	81	21,199	431	37,797	16,167	8	.....	.....	2	.....	6	.....	8
3,017	1,766	20,901	72	399	968	35,277	1,046	109,550	73,227	9	.....	.....	.....	.....	9	.....	9
.....	3,968	6,416	.....	627	49	110,751	1,417	133,996	21,828	18	.....	.....	.....	.....	18	.....	10
124,542	77,199	689,144	500	9,085	15,681	2,952,887	41,665	5,410,673	2,416,121	948	22	.....	4	.....	922	.....	11
123,582	74,811	647,297	500	6,381	11,838	2,665,050	30,311	4,990,156	2,294,795	655	18	.....	.....	.....	637	.....	12
960	2,388	41,847	.....	2,704	3,843	287,837	11,354	420,517	121,326	293	4	.....	4	.....	285	.....	13
.....	.....	37,414	.....	1,197	435	56,326	665	118,660	61,669	1	.....	.....	.....	.....	1	.....	14
61,474	12,250	155,713	.....	780	28,753	422,134	42,491	896,400	431,775	951	919	.....	.....	.....	32	36	15
359,200	131,323	1,885,559	.....	8,479	583,256	2,499,507	238,229	6,448,217	3,710,481	4,006	633	.....	306	.....	3,067	1,914	16
232,418	65,021	1,173,159	.....	3,552	471,896	1,694,713	177,528	4,211,742	2,339,501	2,530	193	.....	.....	.....	2,337	80	17
126,782	66,302	712,400	.....	4,927	111,360	804,794	60,701	2,236,475	1,370,980	1,476	440	.....	306	.....	730	1,834	18
6,480	3,856	25,941	.....	2,623	499	43,848	2,128	109,570	63,594	41	.....	.....	.....	.....	41	.....	19
87,263	88,858	1,175,637	.....	3,200	46,830	1,092,807	87,945	3,268,568	2,087,816	1,936	1,405	.....	240	.....	291	304	20
3,449	966	15,075	.....	900	102	26,433	677	67,455	40,345	10	.....	.....	.....	.....	10	.....	21
558,873	196,350	5,193,970	63,125	56,042	1,516,226	18,983,548	133,641	33,735,625	14,618,436	3,098	1,445	.....	.....	.....	1,653	763	22
33,690	23,465	140,961	.....	45,000	741,959	466,116	65,930	1,994,344	1,462,298	1,563	1,398	.....	.....	.....	165	121	23
23,505	7,353	86,102	.....	.....	10,099	221,818	8,687	433,141	202,636	280	145	.....	.....	.....	135	.....	24
																	25
24,710	5,310	90,289	10,384	4,545	1,061	134,023	8,680	379,283	236,580	239	42	.....	.....	.....	197	.....	
1,350	.....	13,070	.....	1,130	698	84,914	1,862	141,642	54,866	24	8	.....	.....	.....	16	.....	26
3,000	2,704	49,305	.....	2,082	646	51,716	4,156	151,164	95,292	80	.....	.....	.....	.....	80	.....	27

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	READING—Continued.															*Dollars.*
1	Patent medicines and compounds	8	13	8	1	1	.....	3	(3)	3	(3)	3	3	.....	.....	30,795
2	Printing and publishing, book and job.	26	169	33	16	5	6	109	De 4	116	Ja	101	120	104	8	6	2	366,289
3	Printing and publishing, newspapers and periodicals.	9	371	6	16	95	30	224	Jy	239	Fe 4	206	235	146	20	69	.....	725,558
4	Shirts	7	276	12	14	26	8	216	Se	235	Fe 4	194	223	27	186	4	6	508,033
5	Silk goods	3	224	1	6	7	6	204	Mh	220	Ja	176	199	57	102	23	17	774,131
6	Tobacco, cigars	62	1,214	62	44	14	8	1,086	De	1,279	Se	358	1,299	553	744	1	1	3,034,132
7	All other industries*	138	16,320	107	480	684	315	14,734	.....	.....	.....	.....	16,661	14,854	1,566	166	75	44,775,610

* All other industries embrace—
Automobiles 2
Bags, paper, not including bags made in paper mills 1
Baskets, and rattan and willow ware 1
Belting, woven, other than rubber 1
Boots and shoes 2
Boxes, cigar 2
Boxes, wooden packing, except cigar boxes 2
Brick and fire-clay products 2
Brushes 1
Carpets, rag 1
Carriage and wagon materials 1
Carriages and wagons, including repairs 1
Cars and general shop construction and repairs by electric-railroad companies 2
Cars and general shop construction and repairs by steam-railroad companies 7
Cash registers and parts 1
Clothing, men's and youths' 5
Coal-tar products 2
Cooperage, hogsheads and barrels 1
Cordage and twine 2
Cordials and flavoring sirups 2
Cork, cutting 1
Cotton goods 1
Cotton small wares 2
Cutlery, razors and scissors, shears, and clippers 3
Druggists' preparations 1
Electroplating 2
Enameling 1
Flavoring extracts 1
Flour-mill and gristmill products 2
Food preparations, not elsewhere specified 3
Fur goods 1
Furniture, store and office fixtures 2
Gas, illuminating and heating 2
Glass, cutting, staining, and ornamenting 1
Hand stamps 1
Hats and caps, other than felt, straw, and wool 3
Hats, fur-felt 4
Hats, wool-felt 4
Ice, manufactured 2

1	**SCRANTON**—All industries	311	16,305	243	616	605	374	14,467	De	15,230	Fe	13,693	15,112	8,300	6,106	330	376	42,185,466
2	Automobile repairing	9	107	8	5	7	6	81	Je	91	Mh	67	79	76	3	.....	.....	156,219
3	Awnings, tents, and sails	4	14	4	.....	1	.....	9	Je	18	Ja	1	10	5	5	.....	.....	9,738
4	Bread and other bakery products	39	462	36	18	74	22	312	Jy	324	Ja	293	321	242	76	3	.....	806,171
5	Carriages and wagons, including repairs.	4	27	6	.....	.....	2	19	Je 4	21	Ja 4	18	19	19	.....	.....	.....	128,576
6	Clothing, men's	6	167	17	9	2	4	135	Oc	192	Fe	82	139	20	119	.....	.....	390,741
7	Clothing, women's	11	523	10	22	15	12	464	De	519	Jy	399	520	58	458	.....	4	784,839
8	Copper, tin, and sheet-iron work	5	50	7	1	3	2	37	Je 4	41	Mh 4	32	37	37	.....	.....	.....	86,966
9	Flour-mill and gristmill products	4	60	2	8	8	7	35	Ja	38	Mh 4	34	37	37	.....	.....	.....	596,755
10	Food preparations, not elsewhere specified.	5	19	8	.....	1	.....	10	(3)	10	(3)	10	10	4	6	.....	.....	28,431
11	Foundry and machine-shop products	11	326	6	28	35	12	245	Ja	287	Se	224	256	254	2	.....	.....	1,979,638
12	Hats and caps, other than felt, straw, and wool.	3	66	4	1	6	2	53	No	62	Ja	43	61	30	31	.....	.....	159,692
13	Lumber, planing-mill products, not including planing mills connected with sawmills.	7	219	1	15	9	2	192	Oc	225	Ja	145	149	148	1	.....	.....	856,702
14	Marble and stone work	6	31	8	3	.....	.....	20	Je 4	28	Fe	7	17	17	.....	.....	.....	75,529
15	Mineral and carbonated waters	10	75	13	7	9	5	41	Je 4	45	Ja	36	37	36	.....	1	.....	210,381
16	Patent medicines and compounds	4	10	3	1	1	.....	5	Jy 4	6	Ja 4	4	4	4	.....	.....	.....	43,071
17	Printing and publishing, book and job.	29	603	27	24	5	15	532	No	575	Ja	447	572	312	250	9	1	1,449,240
18	Printing and publishing, newspapers and periodicals.	11	315	5	27	85	30	168	Jy	173	Ap	161	172	165	5	2	.....	934,155
19	Silk goods, including throwsters	32	4,369	9	91	37	35	4,197	Jy	4,591	Oc	3,466	4,324	815	3,051	195	263	7,250,082
20	Tobacco, cigars	11	181	9	5	1	1	165	De	218	Je	151	218	22	191	.....	5	124,620
21	All other industries *	100	8,681	60	351	306	217	7,747	.....	.....	.....	.....	8,130	5,999	1,908	120	103	26,113,920

* All other industries embrace—
Artificial limbs 2
Artists' materials 1
Automobile bodies and parts 3
Blacking, stains, and dressings 1
Bookbinding and blank-book making 2
Boots and shoes 2
Brass, bronze, and copper products 1
Carpets, rag 1
Cars and general shop construction and repairs by electric-railroad companies 2
Cars and general shop construction and repairs by steam-railroad companies 3
Cement 1
Coffee, roasting and grinding 1
Coffins, burial cases, and undertakers' goods 2
Confectionery and ice cream 4
Cotton lace 1
Dental goods 1
Electrical machinery, apparatus, and supplies 1
Electroplating 1
Emery and other abrasive wheels 1
Engines, steam, gas, and water 1
Engraving and diesinking 1
Flavoring extracts 1
Fur goods 1
Furnishing goods, men's 1
Furniture 2
Gas, illuminating and heating 1
Glass, cutting, staining, and ornamenting 1
Hair work 2
Hardware, builders' 1
Horseshoes, not made in steel works or rolling mills 1
Iron and steel, steel works and rolling mills 1
Iron and steel forgings, not made in steel works or rolling mills 1

1	**WILKES-BARRE**—All industries.	179	10,747	181	368	525	265	9,408	De	10,353	Oc	8,568	10,347	6,492	3,402	230	223	29,903,829
2	Artificial limbs	3	7	3	.....	.....	.....	4	(3)	4	(3)	4	4	4	.....	.....	.....	19,875
3	Automobile repairing	8	57	11	1	1	5	39	Jy 4	42	My 4	36	38	38	.....	.....	.....	88,230
4	Bread and other bakery products	19	355	28	10	28	17	272	Au	295	Fe	241	291	190	87	9	5	702,153
5	Dental goods	3	14	2	.....	.....	.....	12	Se 4	14	Ja 4	11	14	8	1	5	.....	12,322
6	Flour-mill and gristmill products	3	32	1	3	6	1	21	Se 4	23	Ja 4	19	23	23	.....	.....	.....	320,625
7	Foundry and machine-shop products	11	123	13	10	3	2	95	No	108	Ap	66	107	106	1	.....	.....	490,759
8	Jewelry	3	11	3	1	.....	1	6	(3)	6	(3)	6	6	5	1	.....	.....	13,172
9	Lumber, planing-mill products, not including planing mills connected with sawmills.	6	66	7	4	4	4	47	Ja	79	Jy	38	43	42	1	.....	.....	338,219
10	Marble and stone work	5	25	7	1	.....	2	15	My 4	18	Oc 4	12	17	17	.....	.....	.....	56,090
11	Mineral and carbonated waters	6	28	6	2	2	1	17	Au	19	Ja 4	15	18	17	.....	1	.....	66,878
12	Printing and publishing, book and job.	13	117	17	6	1	2	91	No 4	96	Je	85	96	68	18	10	.....	185,453

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Rented.[2]	Electric horsepower generated in establishments reporting.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]			
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*								
1,144	.....	2,783	.....	650	370	7,273	128	24,211	16,810	.....	.....	.....	.....	.....	.....	.....	1
32,050	7,631	107,644	7,512	7,205	1,281	150,403	7,230	443,696	286,063	148	.....	.....	.....	.....	148	.....	2
59,163	152,836	206,186	47,697	12,712	19,256	302,607	13,791	1,002,376	685,978	298	.....	.....	.....	.....	298	.....	3
35,332	62,813	150,184	42,000	2,792	2,156	570,733	4,458	1,076,222	501,031	46	.....	.....	.....	.....	46	.....	4
13,912	11,804	141,979	61,105	6,000	51,557	986,665	10,441	1,348,139	351,033	221	75	.....	.....	.....	146	.....	5
85,626	33,818	928,279	3,440	7,354	290,761	1,662,703	6,213	3,413,047	1,744,131	28	.....	.....	.....	.....	28	.....	6
1,498,556	1,298,457	17,110,524	17,750	60,254	1,052,910	44,579,181	3,189,406	74,309,619	26,541,032	41,867	26,794	1,876	18	128	13,051	13,186	7

Iron and steel, blast furnaces..... 1
Iron and steel, steel works and rolling mills..... 4
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills..... 1
Iron and steel, cast-iron pipe..... 1
Iron and steel forgings, not made in steel works orrolling mills..... 1
Iron and steel, welding..... 1
Iron and steel, wrought pipe..... 1
Leather, tanned, curried, and finished..... 1
Machine tools..... 1
Mattresses and spring beds, not elsewhere specified..... 1
Motorcycles, bicycles, and parts..... 2
Optical goods..... 4
Paints..... 3
Paper and wood pulp..... 1
Paper goods, not elsewhere specified. 1
Paving materials..... 2
Photo-engraving..... 1
Plumbers' supplies, not elsewhere specified..... 1
Printing and publishing, music..... 1
Regalia, and society badges and emblems..... 1
Roofing materials..... 1
Saddlery and harness..... 2
Scales and balances..... 1
Signs and advertising novelties..... 4
Slaughtering and meat packing..... 2
Smelting and refining, not from the ore..... 2
Soap..... 1
Statuary and art goods..... 1
Stencils and brands..... 1
Stereotyping and electrotyping..... 1
Stoves and ranges..... 3
Structural ironwork, not made in steel works or rolling mills..... 3
Tobacco, chewing..... 3
Tools, machinists'..... 1
Umbrellas and canes..... 1
Wall paper, not made in paper mills. 1
Washing machines and clothes wringers..... 2
Wood, turned and carved..... 1
Woolen goods..... 1

1,849,487	1,280,584	11,978,311	484,491	215,288	1,873,822	27,564,951	1,380,699	54,629,522	25,683,872	29,664	12,865	901	52	.....	15,846	8,574	1
5,300	8,372	95,831	3,500	7,848	1,548	70,993	3,703	229,522	154,826	60	.....	.....	.....	.....	60	.....	2
.....	869	6,715	.....	1,350	.....	11,386	147	26,512	14,979	4	.....	.....	.....	.....	4	.....	3
42,406	113,812	261,452	11,971	24,605	14,652	1,278,304	35,771	2,079,154	765,079	400	.....	.....	.....	.....	400	.....	4
.....	1,564	20,064	.....	840	1,030	17,564	1,672	56,995	37,759	64	.....	.....	.....	.....	64	.....	5
10,150	4,392	110,310	8,394	7,278	103	472,246	2,510	740,445	265,689	36	.....	.....	.....	.....	36	.....	6
80,948	50,879	239,130	63,273	11,511	9,039	894,154	6,829	1,525,188	624,205	74	.....	.....	.....	.....	74	.....	7
3,000	3,620	44,061	.....	4,256	153	44,199	909	122,293	77,185	19	.....	.....	.....	.....	19	.....	8
19,256	18,295	32,078	.....	100	5,027	420,491	4,953	465,212	39,768	278	.....	.....	.....	.....	278	.....	9
.....	2,600	6,304	.....	1,822	54	22,000	2,258	42,810	18,552	37	.....	.....	12	.....	25	.....	10
113,091	71,410	255,918	.....	1,390	64,977	545,740	30,724	1,315,955	739,491	832	505	.....	.....	.....	327	344	11
3,770	14,245	61,413	.....	3,561	295	234,787	1,179	389,532	153,566	11	.....	.....	.....	.....	11	.....	12
41,395	22,500	185,450	.....	2,707	9,020	540,461	14,272	871,461	316,728	616	205	.....	.....	.....	411	282	13
10,051	.....	21,031	614	1,500	361	39,804	2,771	77,248	34,673	217	.....	.....	22	.....	195	.....	14
12,360	8,233	35,018	.....	4,182	21,525	140,174	3,095	338,654	195,385	86	.....	.....	3	.....	83	.....	15
1,248	144	3,604	.....	2,048	259	20,072	100	32,189	12,017	1	.....	.....	.....	.....	1	.....	16
65,237	16,706	476,376	3,323	19,550	10,800	837,028	11,729	1,629,514	780,757	527	.....	.....	.....	.....	527	.....	17
63,274	124,359	176,937	12,679	3,930	6,826	493,190	9,588	1,372,060	869,282	352	.....	.....	10	.....	342	7	18
257,567	83,125	2,251,242	238,779	50,517	259,274	,327,003	329,336	13,133,894	5,477,555	7,970	2,505	750	.....	.....	4,715	1,932	19
7,516	1,756	123,770	.....	1,840	72,633	249,362	2,369	532,635	280,304	18	.....	.....	.....	.....	18	.....	20
1,112,918	733,703	7,571,607	141,958	64,363	1,396,246	13,905,993	916,784	29,648,849	14,826,072	18,062	9,650	151	5	.....	8,256	6,009	21

Iron and steel, welding..... 1
Knit goods..... 2
Lamps..... 1
Lime..... 1
Liquors, malt..... 5
Lithographing..... 1
Lubricating greases..... 1
Mattresses and spring beds, not elsewhere specified..... 4
Millinery and lace goods, not elsewhere specified..... 3
Musical instruments, pianos..... 1
Optical goods..... 2
Paints..... 1
Paving materials..... 1
Phonographs and graphophones..... 1
Photo-engraving..... 1
Plumbers' supplies, not elsewhere specified..... 1
Pumps, steam..... 1
Roofing materials..... 1
Saddlery and harness..... 1
Sausage, not made in slaughtering and meat-packing establishments.. 2
Scales and balances..... 1
Slaughtering and meat packing..... 2
Soap..... 1
Statuary and art goods..... 2
Steam fittings and steam and hot-water heating apparatus..... 1
Stereotyping and electrotyping..... 1
Stoves and hot-air furnaces..... 2
Structural ironwork, not made in steel works or rolling mills..... 4
Textile machinery and parts..... 1
Tobacco, chewing and smoking..... 2
Tools, not elsewhere specified..... 1
Typewriters and parts..... 1
Umbrellas and canes..... 1
Wallplaster and composition flooring. 1
Wirework, not elsewhere specified... 1

1,227,886	1,007,714	8,317,564	102,429	96,534	2,719,327	19,230,116	853,228	41,986,203	21,902,859	14,846	8,661	.....	121	.....	6,064	4,413	1
.....	.....	4,750	.....	586	188	6,201	43	19,241	12,997	6	.....	.....	6	.....	.....	.....	2
700	2,856	41,938	638	8,314	430	47,241	2,538	132,321	82,542	51	.....	.....	.....	.....	51	.....	3
37,421	56,071	248,122	.....	9,445	48,929	881,407	17,831	1,553,737	654,499	329	175	.....	.....	.....	154	6	4
.....	.....	10,148	.....	453	221	22,897	260	48,483	25,326	4	.....	.....	.....	.....	4	.....	5
6,669	8,006	20,346	.....	1,200	5,267	183,945	1,840	248,386	62,601	127	.....	.....	.....	.....	127	.....	6
23,345	3,538	113,138	555	1,300	53,660	231,458	10,583	527,933	285,892	274	207	.....	46	.....	21	125	7
500	225	3,192	.....	305	12	8,176	119	19,745	11,450	3	.....	.....	.....	.....	3	.....	8
4,280	10,171	37,063	.....	1,920	1,056	66,732	4,853	151,373	79,788	286	150	.....	.....	.....	136	.....	9
1,500	1,200	18,906	950	1,510	49	35,922	1,405	104,115	66,788	65	.....	.....	20	.....	45	.....	10
7,800	2,941	12,648	.....	1,055	1,066	46,513	704	96,394	49,177	13	.....	.....	.....	.....	13	.....	11
11,874	3,443	76,838	410	4,850	496	77,773	3,241	236,713	155,699	87	.....	.....	.....	.....	87	.....	12

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

TABLE 52.—DETAILED STATEMENT OF ALL INDUSTRIES

	Industry and city.	Number of establishments.	Persons engaged in the industry.										Wage earners Dec. 15, or nearest representative day.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.					Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of— Maximum month.		Number, 15th day of— Minimum month.			Male.	Female.	Male.	Female.	
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
	WILKES-BARRE—Continued.																	Dollars.
1	Printing and publishing, newspapers and periodicals.	13	287	10	19	45	23	190	Au [3]	193	Ja	185	192	176	12	4	.....	789,272
2	Silk goods, including throwsters	8	2,468	4	56	40	41	2,327	De	2,547	Oc	999	2,547	584	1,825	51	87	3,478,945
3	All other industries *	78	7,157	69	255	395	166	6,272	.....		.....		6,951	5,214	1,456	150	131	23,341,830

* All other industries embrace—

Artificial stone products	1
Automobile bodies and parts	3
Boots and shoes, not including rubber boots and shoes	1
Brass and bronze products	1
Brick, building	1
Brooms, from broom corn	1
Butter	1
Carpets, rag	1
Carriages and wagons, including repairs	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
Clothing, men's	1
Clothing, women's, undergarments and petticoats	1
Coffee, roasting and grinding	2
Confectionery and ice cream	9
Copper, tin, and sheet-iron work	2
Cotton lace	2
Cotton small wares	1
Druggists' preparations	2
Electrical machinery, apparatus, and supplies	2
Electroplating	1
Engraving, steel and copper plate, including plate printing	1
Flavoring extracts	1
Food preparations, not elsewhere specified	1
Fur goods	1
Furniture, wood, other than rattan and willow	2
Gas, illuminating and heating	1
Hats and caps, other than felt, straw, and wool	2

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

1	AMBRIDGE	22	4,317	18	108	583	194	3,414	Oc	3,795	Ap	3,055	3,561	3,338	214	4	5	23,003,978
2	BEAVER FALLS	71	3,669	68	126	173	98	3,204	Oc	3,425	My	2,978	3,378	3,138	196	40	4	14,830,768
3	BRADDOCK	49	1,455	48	82	101	54	1,170	My	1,329	Oc	838	1,255	1,233	20	2	.....	6,437,756
4	BRADFORD	83	2,009	73	116	190	91	1,539	De	1,729	Je	1,369	1,739	1,566	157	15	1	8,665,704
5	BRISTOL	34	1,603	33	29	37	34	1,470	De	1,747	Ja	1,250	1,770	945	747	33	45	5,707,503
6	BUTLER	77	4,196	122	69	182	79	3,744	Ja	5,724	Se	2,262	3,738	3,318	384	25	11	32,803,139
7	CANONSBURG	32	3,259	35	109	113	31	2,971	Ja	3,143	Oc	2,822	2,936	2,659	273	4	.....	6,125,973
8	CARBONDALE	43	1,021	38	48	47	27	861	De	1,073	Se	705	1,059	570	405	28	56	3,439,717
9	CARLISLE	44	1,641	42	59	81	37	1,422	De	1,534	Ap	1,313	1,519	989	475	23	32	5,106,935
10	CARNEGIE	26	349	29	21	64	13	222	Au	253	Mh	193	220	207	21	1	.....	3,245,860
11	CARRICK	5	23	7	.....	.....	.....	16	Ap [3]	17	Ja	14	16	14	2	.....	.....	57,061
12	CHAMBERSBURG	56	2,299	50	83	108	62	1,996	De	2,145	Mh	1,731	2,242	1,908	284	43	7	7,478,326
13	CHARLEROI	35	2,280	28	74	73	82	2,023	De	2,215	Jy	1,729	2,540	1,988	510	26	16	4,298,561
14	COLUMBIA	56	2,567	46	86	50	63	2,322	De	2,510	Mh	2,085	2,463	1,668	710	43	42	4,594,261
15	CONNELLSVILLE	51	1,824	36	89	41	35	1,623	Se	1,755	Jy	1,428	1,747	1,642	100	5	.....	4,558,120
16	DICKSON CITY	10	831	7	11	4	3	806	Je	916	Oc	186	903	187	585	42	89	961,444
17	DU BOIS	41	1,598	45	71	44	41	1,397	Ja	1,460	De	1,346	1,354	1,305	46	3	.....	4,366,086
18	DUNMORE	27	1,493	25	47	32	29	1,360	De	1,441	Oc	1,275	1,440	1,144	245	15	36	1,927,634
19	EASTON	102	5,486	94	173	334	213	4,672	De	5,070	Ja	4,339	5,142	3,804	1,229	59	50	20,516,337
20	GREENSBURG	66	919	75	66	82	43	653	Ja	812	Je	592	695	623	72	.....	.....	2,783,629
21	HAZLETON	74	4,287	76	167	132	97	3,815	Ja	4,949	My	3,370	4,546	1,819	2,332	120	275	14,590,166
22	HOMESTEAD	45	628	42	39	19	15	513	Jy	564	Ja	449	518	441	63	7	7	2,941,018
23	JEANNETTE	32	2,223	21	80	86	46	1,990	De	2,310	Mh	1,721	2,286	1,964	272	33	17	7,927,526
24	LEBANON	103	6,226	89	194	180	112	5,651	Fe	6,329	My	4,852	6,510	4,494	1,822	53	141	21,271,664
25	MCKEESPORT	82	12,953	87	236	598	123	11,909	Ja	12,974	Se	9,625	12,629	12,314	309	4	2	86,466,964
26	MCKEES ROCKS	34	3,592	26	153	214	85	3,114	De	3,508	My	2,744	3,524	3,238	275	6	5	17,368,203
27	MAHANOY CITY	24	507	28	10	12	7	450	Se	519	Mh	374	519	148	337	2	32	1,027,632
28	MEADVILLE	43	2,211	41	111	92	126	1,841	Ja	2,018	Je	1,684	1,956	1,602	346	4	4	7,286,654
29	MOUNT CARMEL	35	1,344	36	60	8	19	1,221	De	1,345	Fe	1,086	1,312	313	943	23	33	1,924,559
30	NANTICOKE	36	1,154	35	76	7	7	1,029	De	1,175	Mh	895	1,283	184	1,063	18	18	2,615,770
31	NEW CASTLE	87	9,166	68	227	641	216	8,014	De	8,779	Ap	7,023	8,855	8,213	611	22	9	40,948,533
32	NEW KENSINGTON	48	4,184	42	73	209	156	3,704	Au	4,145	Fe	3,347	4,275	3,766	507	2	.....	16,136,980
33	NORRISTOWN	100	4,057	79	191	140	113	3,534	De	3,798	Fe	3,308	3,845	2,279	1,459	47	60	18,759,162
34	OIL CITY	37	3,831	27	76	294	128	3,306	De	3,601	Ap	3,063	3,560	3,485	75	.....	.....	16,415,677
35	OLD FORGE	8	287	16	5	2	2	262	De	294	Fe	239	303	26	181	32	64	170,378
36	PHOENIXVILLE	32	2,642	31	76	92	33	2,410	Au	2,516	Mh	2,317	2,485	1,947	465	29	44	9,300,503
37	PITTSTON	40	1,115	39	39	24	39	974	De	1,103	My	863	1,101	551	535	6	9	3,709,211
38	PLYMOUTH	21	651	17	29	10	7	588	No	702	Ap	446	657	177	435	21	24	1,212,672
39	POTTSTOWN	86	4,689	63	144	275	108	4,099	De	4,687	My	3,677	4,677	3,667	921	31	58	15,284,535
40	POTTSVILLE	91	3,425	91	87	193	77	2,977	De	3,054	Je	2,892	3,048	1,976	982	29	61	21,998,897
41	PUNXSUTAWNEY	36	554	26	32	16	23	457	Ja	680	Jy	341	498	422	75	1	.....	1,973,256
42	SHAMOKIN	67	3,575	54	144	42	84	3,251	De	4,035	Jy	1,902	4,055	1,475	2,407	46	127	6,880,121
43	SHARON	40	3,166	59	96	212	92	2,707	Ja	3,457	Jy	1,967	3,034	2,918	87	29	.....	18,132,408
44	SHENANDOAH	39	879	33	47	21	19	759	De	794	Ap	729	798	218	573	1	6	2,099,969
45	SUNBURY	45	2,518	49	49	219	73	2,128	De	2,519	Se	1,208	2,426	1,809	547	41	29	11,049,497
46	TAMAQUA	31	886	27	24	19	10	806	Au	894	Fe	643	964	433	501	1	29	1,512,630
47	UNIONTOWN	48	756	53	48	44	38	573	Je	630	Fe	520	602	581	20	1	.....	3,164,389
48	WARREN	89	2,581	75	192	84	76	2,154	De	2,518	Fe	1,983	2,531	2,285	221	22	3	13,180,846
49	WASHINGTON	92	3,234	90	84	100	80	2,880	De	3,425	Fe	2,566	3,519	3,250	267	2	.....	9,072,178
50	WEST CHESTER	52	1,211	41	69	54	42	1,005	De	1,093	Ja	915	1,107	903	200	1	3	5,226,995
51	WILKINSBURG	49	403	47	18	7	8	323	Jy	400	Fe	252	347	322	25	.....	.....	1,309,076
52	WILLIAMSPORT	145	9,846	108	326	499	347	8,566	De	9,333	Ap	7,875	9,411	7,187	2,126	52	46	38,665,548
53	YORK	273	15,371	231	544	789	439	13,368	De	14,696	Ap	12,472	14,846	10,540	3,833	241	232	49,811,763

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.						Electric horsepower generated in establishments reporting.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal, combustion engines.	Water power.[1]	Rented.[2]		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
71,114	67,273	246,559	11,740	8,251	40,717	310,454	11,516	1,089,305	767,335	356	.....	.....	.....	.....	356	.....	1
194,775	88,203	1,285,031	85,861	203	189,570	1,740,263	126,404	6,023,928	4,157,261	3,896	2,575	.....	.....	.....	1,321	144	2
867,908	763,787	6,198,885	2,275	57,082	2,377,666	15,571,134	671,891	31,734,529	15,491,504	9,349	5,554	.....	49	.....	3,746	4,138	3

Instruments, professional and scientific..... 1
Iron and steel, welding..... 1
Knit goods..... 1
Liquors, malt..... 3
Locomotives, not made by railroad companies..... 1
Mattresses and spring beds, not elsewhere specified..... 1
Models and patterns, not including paper patterns..... 1
Patent medicines and compounds..... 2
Peanuts, grading, roasting, cleaning, and shelling..... 1
Photographic materials, motion-picture machines..... 1
Regalia, and society badges and emblems..... 1
Rubber tires, tubes, and rubber goods, not elsewhere specified..... 2
Sausage, not made in slaughtering and meat-packing establishments.. 1
Shirts..... 1
Signs and advertising novelties..... 1
Slaughtering and meat packing..... 1
Soap..... 1
Stamped ware, not elsewhere specified..... 1
Steam packing..... 1
Structural ironwork, not made in steel works or rolling mills..... 2
Tinware, not elsewhere specified..... 1
Tobacco, cigars..... 3
Tobacco, smoking..... 1
Tools, machinists'..... 1
Toys and games..... 1
Wirework, wire rope and cable..... 1

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

430,931	1,285,417	5,228,899	.....	4,850	1,002,061	15,162,159	411,937	26,768,145	11,194,049	8,970	5,065	2,000	602	.....	1,303	12,172	1
335,251	356,162	4,133,797	19,310	12,562	1,086,529	10,041,251	490,568	20,414,439	9,882,620	9,334	4,160	.....	301	975	3,898	3,831	2
253,893	261,601	2,245,301	2,511	18,465	150,831	5,545,398	360,229	9,438,995	3,533,368	10,376	6,500	35	1,315	.....	2,526	653	3
388,384	385,815	1,779,876	9,514	15,740	351,339	6,047,374	345,051	10,861,158	4,468,733	6,938	669	.....	3,042	.....	3,227	517	4
138,616	151,892	1,385,925	7,807	20,835	171,855	2,436,837	154,944	5,697,607	3,105,826	5,380	5,149	.....	42	.....	189	2,162	5
344,358	448,719	4,732,592	38,518	26,176	1,982,215	33,125,193	614,564	44,476,790	10,737,033	20,804	8,150	1,102	1,444	.....	10,108	4,782	6
390,925	260,617	4,517,691	170	4,960	169,388	9,050,009	474,218	16,894,336	7,370,109	8,261	2,186	.....	110	.....	5,965	1,629	7
157,268	104,697	729,637	10,230	8,674	75,768	1,440,440	73,977	3,187,996	1,673,579	2,107	1,641	.....	.....	.....	466	1,052	8
323,786	198,694	1,066,192	20,360	8,825	295,110	3,384,676	79,600	6,543,455	3,079,179	1,553	743	.....	18	.....	792	65	9
89,198	121,285	278,079	.....	4,465	89,281	1,856,969	71,101	2,789,605	861,535	1,662	545	.....	22	.....	1,095	233	10
.....	.....	22,032	.....	1,486	1,085	52,483	1,001	120,849	67,305	29	.....	25	.....	.....	4	.....	11
268,733	208,475	2,240,818	60,218	8,394	216,464	4,281,551	150,271	8,791,872	4,360,050	4,641	3,432	400	89	106	614	2,115	12
190,163	168,310	2,216,983	10,000	10,285	127,315	2,051,942	505,607	5,687,212	3,129,663	4,972	3,634	.....	174	.....	1,164	822	13
216,051	120,864	2,117,418	43,534	16,027	121,963	5,079,662	215,832	9,812,018	4,516,524	4,067	2,334	.....	.....	.....	1,733	45	14
226,063	77,475	1,979,077	1,911	6,095	86,905	1,859,595	157,757	4,663,847	2,646,495	6,884	4,835	.....	5	.....	2,044	1,400	15
63,863	9,037	412,523	50	1,855	86,445	158,214	35,047	903,003	709,742	1,240	1,110	.....	.....	.....	130	.....	16
194,387	109,330	1,850,556	150	14,096	58,747	1,188,618	109,638	3,937,516	2,639,260	2,953	1,394	609	393	.....	557	2,263	17
104,591	71,743	1,468,262	4,051	5,454	3,417	1,618,542	93,227	3,627,815	1,916,046	1,491	1,040	.....	.....	.....	451	77	18
765,500	817,773	5,304,394	1,045,368	41,940	655,157	13,415,025	618,749	27,011,928	12,978,154	9,962	4,739	.....	8	535	4,680	2,456	19
206,114	159,478	741,040	4,996	21,736	92,969	1,863,219	90,773	3,999,934	2,045,942	2,724	951	.....	244	5	1,524	.....	20
444,669	253,116	3,090,930	810,898	335,139	207,276	8,678,082	176,901	14,830,168	5,975,185	6,120	1,741	.....	.....	.....	4,379	362	21
157,166	34,502	682,765	8,770	12,445	180,867	1,910,171	94,081	3,759,223	1,754,971	1,521	990	.....	181	.....	350	188	22
315,497	192,646	2,423,796	3,092	10,476	221,715	2,071,716	532,370	8,546,036	5,941,941	2,868	814	.....	974	.....	1,080	803	23
738,575	410,500	5,259,203	207,365	35,295	320,766	10,191,675	1,556,309	23,242,000	11,494,016	34,873	22,600	9,400	13	.....	2,860	9,136	24
1,017,030	1,469,909	20,260,103	4,575	30,602	2,567,632	52,615,403	6,228,190	105,058,713	46,215,120	78,248	47,474	23,113	416	.....	7,245	46,149	25
494,013	393,024	4,052,887	122,130	10,863	332,100	5,550,409	558,278	13,201,791	7,093,104	23,197	7,691	1,506	279	.....	13,721	5,213	26
16,415	10,276	264,219	4,515	9,000	170,728	477,749	24,385	1,086,619	584,485	498	233	.....	.....	.....	265	60	27
344,362	417,190	2,010,160	6,209	10,872	180,873	3,618,763	169,479	7,948,712	4,160,470	3,356	460	.....	804	.....	2,092	232	28
81,803	24,136	692,553	3,449	9,764	274,531	1,756,761	39,824	3,382,485	1,585,900	627	180	.....	2	.....	445	.....	29
67,587	22,296	507,386	9,337	9,624	194,521	752,681	75,693	2,015,014	1,186,640	885	675	.....	.....	.....	210	153	30
782,643	1,249,089	14,488,207	6,044	31,538	1,492,313	59,415,011	5,451,260	91,370,618	26,504,347	73,591	60,153	5,400	135	300	7,603	10,515	31
206,677	422,645	4,581,649	.....	29,246	642,234	14,362,893	389,949	22,550,749	7,797,907	4,096	3,300	265	.....	.....	531	6,689	32
616,162	454,264	3,453,529	59,137	32,799	1,060,329	9,122,042	385,453	18,334,230	8,826,735	8,611	4,842	.....	22	300	3,447	2,113	33
311,892	647,641	4,764,700	97	7,096	324,335	5,238,399	258,534	14,063,715	8,571,782	6,178	1,487	.....	1,837	.....	2,854	2,176	34
11,650	2,404	111,285	.....	2,681	974	61,557	13,861	236,196	160,778	198	.....	.....	.....	.....	198	.....	35
269,774	158,110	2,828,875	13,480	14,777	390,198	6,490,356	1,181,418	12,435,097	4,763,323	20,544	14,081	108	65	.....	6,290	1,489	36
180,223	65,350	735,156	68,526	6,365	281,425	1,626,905	115,365	3,835,864	2,093,594	2,189	1,280	.....	28	.....	881	296	37
62,954	17,310	289,663	36,626	2,282	12,931	622,453	30,594	1,285,256	632,209	1,043	237	.....	4	.....	802	.....	38
455,140	520,216	4,263,692	90,697	229,761	322,635	13,448,203	2,068,166	23,582,795	8,066,326	30,124	18,142	607	91	.....	11,284	1,864	39
277,721	325,691	2,857,828	35,349	47,087	268,218	9,345,608	721,321	16,115,011	6,048,082	23,507	20,601	2,100	.....	.....	806	10,591	40
69,984	35,753	613,226	2,307	46,161	94,906	1,762,295	330,458	3,268,087	1,175,334	3,057	2,380	.....	166	.....	511	241	41
416,768	101,670	2,122,166	3,020	14,245	202,291	8,105,079	116,945	11,600,141	3,378,117	4,974	4,188	.....	.....	.....	786	800	42
437,484	529,289	4,337,904	1,900	10,143	174,532	8,700,486	1,972,949	18,030,458	7,357,023	24,549	22,668	1,006	227	.....	648	5,564	43
117,421	54,723	515,021	1,286	12,648	265,592	2,290,072	51,031	4,028,327	1,687,224	1,049	610	.....	100	.....	339	62	44
367,694	510,348	2,387,022	23,922	9,900	159,936	5,664,327	158,517	10,130,785	4,307,941	2,168	1,300	400	8	.....	460	876	45
69,854	24,200	705,881	.....	7,186	126,136	1,726,594	44,182	2,956,545	1,185,769	1,115	545	.....	3	.....	567	275	46
127,805	91,721	718,169	950	23,077	104,003	1,638,550	91,134	3,320,002	1,590,318	2,103	1,026	.....	75	14	988	118	47
653,523	214,834	2,414,605	2,113	17,679	631,249	11,228,399	566,340	18,091,994	6,297,255	7,039	1,150	.....	1,296	113	4,480	363	48
380,353	223,834	3,388,691	2,033	25,864	430,065	5,178,116	974,422	13,837,807	7,685,269	7,886	1,110	.....	3,436	.....	3,340	4,276	49
188,063	79,164	1,077,963	11,739	6,315	203,757	1,578,749	109,541	3,994,654	2,306,364	2,036	1,366	101	3	.....	566	390	50
46,383	15,644	373,636	39,938	34,404	14,392	806,783	56,036	1,703,167	840,348	1,701	1,230	.....	43	.....	428	27	51
1,132,188	959,232	8,521,238	843,720	31,726	1,257,424	22,334,983	920,315	41,658,834	18,403,536	21,644	12,980	.....	7	.....	8,657	4,279	52
2,185,600	1,656,597	12,655,247	735,943	92,188	3,623,746	28,406,454	967,920	59,588,904	30,214,530	30,032	8,223	1,300	31	100	20,378	1,208	53

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

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

WASHINGTON

FOURTEENTH CENSUS OF THE UNITED STATES

MANUFACTURES: 1919

RHODE ISLAND

Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures

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WASHINGTON

GOVERNMENT PRINTING OFFICE

1922.

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 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 of Hawaii for 1919, like that for 1909, was not confined strictly to manufacturing establishments conducted under the factory system, as distinguished from the neighborhood, hand, and building industries.

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 1919, 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 county, separate reports were secured in order that the figures for each plant might be included in the statistics for the city or county 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 different for those covered by the class designation, and, on the other hand, may not represent the total product covered by this designation, because some of this class of product may be made in establishments in which it is not the product of chief value.

Selected industries.—The general tables at the end of this bulletin give the principal facts separately for the industries of the territory. A selection has been made of certain leading industries of the territory for more detailed consideration. Sometimes an industry of great importance has to be 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 has been followed in compiling the statistics for 1919 when placed in comparison with those for 1909 and prior years. The comparative summary for 1919, 1909, and 1899, therefore, does not show separately all the industries given for 1919 in the detailed statement for the territory.

Influence of increased prices.—In comparing figures for cost of materials, value of products, and value added by manufacture in 1919 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 report for the census of 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 1899 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, by sex, without distinction of 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 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, 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.

In order to determine as nearly as possible the age distribution of the average number of wage earners for the territory as a whole, the per cent distribution by 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 numbers 16 years and over, and under 16, employed.

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 while representing the number according to the pay rolls to whom wages were paid on that date, no doubt represent a larger number than would be required to perform the work in any industry if all were continuously employed during the year.

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, 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 that census, as well as at the preceding census 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 certain Federal taxes and state, county, and local taxes. Under "Federal taxes" there are included the internal revenue tax on manufactures (tobacco, beverages, etc.), excise taxes when included in values reported for products, corporation capital stock tax, and corporation income tax, but not the income tax for individual and partnership establishments.

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 always 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, from a manufacturing standpoint, 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 depreciation or interest, 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.

Fuel.—Statistics of the quantity of fuel used are shown only for anthracite and bituminous coal, coke, fuel oils, gasoline and other volatile oils, and gas—natural and manufactured, and represent the quantity used during the year. As only the principal kinds of fuel are shown, comparison as to the total cost of all fuel is impracticable. A comparison, however, of the total quantities of the several kinds of fuel used in 1919 and 1909 is given.

RHODE ISLAND.

GENERAL STATISTICS.

General character of the state.—Rhode Island has a gross area of 1,248 square miles, of which 1,067 represent land surface. The inhabitants of the state in 1900 numbered 428,556; in 1910, 542,610; and in 1920, 604,397. In total population Rhode Island ranked thirty-eighth among the states in 1920. The number of inhabitants per square mile in 1910 was 508.5, the corresponding figure for 1920 being 566.4, Rhode Island ranking first in this respect among the states.

In 1920 there were 11 cities in the state—Bristol, Central Falls, Cranston, Cumberland, East Providence, Newport, Pawtucket, Providence, Warwick, West Warwick, and Woonsocket—having more than 10,000 inhabitants. The combined population of these cities in that year was 501,362, forming 83 per cent of the total population for Rhode Island, and in 1919 they reported 82.7 per cent of the value of the state's manufactured products.

Importance and growth of manufactures (Table 1).—The increases in wages, cost of materials, and the value of products, from 1914 to 1919, as presented in Table 1, are in a great measure due to the changes in industrial conditions brought about by the World War. The increases, however, in average number of wage earners and horsepower are significant of the growth of manufacturing activities in the state. The addition of the Federal income tax since 1914 accounts for the large increase in "Rent and taxes."

Statistics for the state, by counties (Table 2.)—Figures are not available for comparison of county totals for 1919 with those for prior censuses. Providence County, which includes the cities of Central Falls, Cranston, Cumberland, East Providence, Pawtucket, Providence, and Woonsocket, is far the most important, reporting 84.7 per cent of the average number of wage earners in the state and 86.8 per cent of the value of products.

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

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 29.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed 600 or more wage earners in 1919 and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—During the census period 1914–1919, all cities show increases in value of products, due largely to the increased value of commodities at the later period. The city of Pawtucket shows a noticeable increase during this five-year period, 46.3 per cent in the average number of wage earners and 222.4 per cent in value of products.

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

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, similar data are given for males and females for all industries combined, and also for the 11 cities in the state having 10,000 or more inhabitants in 1919. There were a number of industries in the state in 1919 in which the number of female wage earners predominated.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working-day in Rhode Island. In that year only 5.2 per cent of the wage earners was reported in the group "48 and under" as against 45.9 per cent in 1919. In 1914, the "60" and "over 60" groups constituted 4.7 per cent of the total wage earners, as compared with four-tenths of 1 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 88.8 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 19 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 11.2 per cent of the total manufacturing establishments in the state, but reported 81 per cent of the total number of wage earners.

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

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

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

Character of ownership (Table 14).—The predominance of corporate ownership is clearly brought out in this table. Although corporations owned but 34.6 per cent of the number of establishments in the state in 1919, they reported 90 per cent of the average number of wage earners and 91.2 per cent of the total value of products. During the five-year period 1914–1919, the average number of wage earners in corporations increased 30,833, or 32.5 per cent, and the value of products, $444,173,534, or 187.2 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in the 11 cities in 1919 represented 85.7 per cent of the total in the state. They reported in that year 83.4 per cent of the average number of wage earners and 82.7 per cent of the value of products.

Principal industries in Pawtucket and Providence, with per cent of total for the state (Table 16).—This table includes all industries in these two cities having products of $500,000 and over for which figures can be shown without disclosing the operations of individual establishments. The textile industry was of exceptional importance in each of these cities in 1919. Of the industries shown in Table 16, the value of the products of textiles in that year formed 61 per cent of the total for all industries in Pawtucket and 28.2 per cent in Providence.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 51,162 horsepower, or 19 per cent. This increase was wholly confined to rented power, which increased 64,743 horsepower, or 187.4 per cent, during the five-year period, while owned power decreased 13,581 horsepower, or 5.8 per cent.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel. Three branches of the textile industry, namely, the cotton-goods and the woolen and worsted goods industries, consumed 35.2 per cent of the bituminous coal and 43.5 per cent of the fuel oils. The largest quantity of anthracite coal, 30.5 per cent of the total shown for the state, was used in the dyeing and finishing of textiles. The cotton-goods industry was the largest consumer of coke, using 27 per cent of the total.

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

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE.[1]			
	1919	1914	1909	1904	1899	1914–1919	1909–1914	1904–1909	1899–1904
Number of establishments	2,466	2,190	1,951	1,617	1,678	12.6	12.3	20.7	−3.6
Persons engaged	156,012	124,109	122,641	104,299	(2)	25.7	1.2	17.6	.....
Proprietors and firm members	2,124	1,883	1,721	1,561	(2)	12.8	9.4	10.2	.....
Salaried employees	14,223	8,801	7,382	5,420	4,022	61.6	19.2	36.2	34.8
Wage earners (average number)	139,665	113,425	113,538	97,318	88,197	23.1	−0.1	16.7	10.3
Primary horsepower	321,016	269,854	226,740	182,608	153,619	19.0	19.0	24.2	18.9
Capital	$594,337,448	$308,444,563	$290,901,270	$215,901,375	$176,901,606	92.7	6.0	34.7	22.0
Salaries and wages	168,509,358	72,621,981	65,810,914	50,153,315	41,295,677	132.0	10.3	31.2	21.4
Salaries	31,013,981	13,255,689	10,576,846	7,040,678	5,300,576	134.0	25.3	50.2	32.8
Wages	137,495,377	59,366,292	55,234,068	43,112,637	35,995,101	131.6	7.5	28.1	19.8
Paid for contract work	4,181,783	1,138,483	1,200,749	931,751	(2)	267.3	−5.2	28.9	.....
Rent and taxes	37,479,551	4,343,851	2,874,582	[3] 2,209,517	(2)	762.8	51.1	.....	.....
Cost of materials	415,989,203	162,425,219	158,191,574	112,872,261	87,951,780	156.1	2.7	40.2	28.3
Value of products	747,322,858	279,545,873	280,343,797	202,109,583	165,550,382	167.3	−0.3	38.7	22.1
Value added by manufacture[4]	331,333,655	117,120,654	122,152,223	89,237,322	77,598,602	182.9	−4.1	36.9	15.0

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

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

COUNTY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Wages.	Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
The state	2,466	139,665	$137,495,377	$37,479,551	$415,989,203	$747,322,858	$331,333,655	321,016
Bristol	74	7,600	6,315,695	701,471	17,342,515	32,197,722	14,855,207	16,624
Kent	101	8,555	8,222,193	1,795,473	23,950,676	42,122,980	18,172,304	33,005
Newport	133	1,706	1,667,172	368,429	3,546,476	7,543,646	3,997,170	5,588
Providence	2,043	118,268	117,932,948	34,005,128	361,449,969	648,615,516	287,165,547	254,625
Washington	115	3,536	3,357,369	609,050	9,699,567	16,842,994	7,143,427	11,174

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

INDUSTRY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Per cent distribution.	VALUE OF PRODUCTS. Amount (expressed in thousands).	VALUE OF PRODUCTS. Per cent distribution.	VALUE ADDED BY MANUFACTURE. Amount (expressed in thousands).	VALUE ADDED BY MANUFACTURE. Per cent distribution.
All industries	2,466	139,665	100.0	$747,323	100.0	$331,334	100.0
Cotton goods	74	31,405	22.5	155,488	20.8	67,205	20.3
Worsted goods	62	21,249	15.2	153,081	20.5	49,948	15.1
Jewelry	288	10,579	7.6	48,596	6.5	21,620	6.5
Dyeing and finishing textiles, exclusive of that done in textile mills	67	9,319	6.7	42,258	5.7	21,331	6.4
Silk goods	30	4,150	3.0	27,219	3.6	10,404	3.1
Machine tools	13	7,169	5.1	22,301	3.0	18,607	5.6
Woolen goods	26	3,144	2.3	22,231	3.0	8,449	2.5
Cotton small wares	48	3,990	2.8	17,824	2.4	7,832	2.4
Rubber tires, tubes, and rubber goods, not elsewhere specified	6	2,117	1.5	15,887	2.1	8,288	2.5
Foundry and machine-shop products	81	4,143	3.0	15,693	2.1	10,838	3.3
Textile machinery and parts	60	3,775	2.7	14,842	2.0	9,168	2.8
Knit goods	26	1,983	1.4	11,936	1.6	4,547	1.4
Bread and other bakery products	248	1,166	0.8	9,883	1.3	3,745	1.1
Electrical machinery, apparatus, and supplies	13	1,513	1.1	7,567	1.0	4,440	1.3
Silversmithing and silverware	8	1,934	1.4	6,830	0.9	3,767	1.1
Slaughtering and meat packing	22	264	0.2	6,807	0.9	839	0.3
Liquors, malt	5	398	0.3	5,933	0.8	4,913	1.5
Gas, illuminating and heating	4	670	0.5	4,478	0.6	2,405	0.7
Suspenders, garters, and elastic woven goods	10	892	0.6	$4,261	0.6	$1,692	0.5
Cotton lace	10	941	0.7	4,110	0.5	2,238	0.7
Printing and publishing, newspapers and periodicals	36	602	0.4	3,772	0.5	2,816	0.8
Gold and silver, reducing and refining, not from the ore	17	60	(1)	3,409	0.5	375	0.1
Printing and publishing, book and job	105	944	0.7	3,233	0.4	2,648	0.6
Brass and bronze products	18	426	0.3	2,976	0.4	1,123	0.3
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	7	920	0.7	2,968	0.4	1,851	0.6
Oleomargarine and other butter substitutes	4	110	0.1	2,946	0.4	471	0.1
Confectionery and ice cream	87	292	0.2	2,368	0.3	998	0.3
Soap	8	117	0.1	1,944	0.3	688	0.2
Sausage, not made in slaughtering and meat-packing establishments	15	68	(1)	1,871	0.3	245	0.1
Lumber, planing-mill products, not including planing mills connected with sawmills	27	388	0.3	1,712	0.2	891	0.3
Paper goods, not elsewhere specified	6	263	0.2	1,664	0.2	808	0.2
Tools, not elsewhere specified	37	521	0.4	1,599	0.2	1,122	0.3
All other industries [2]	998	24,152	17.3	119,726	16.0	55,712	16.9

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

[2] Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are 10 having products in excess of some for which figures are shown in the table. These industries are the following: "Baking powders and yeast"; "boots and shoes, rubber"; "files"; "iron and steel, steel works and rolling mills"; "oil and cake, cottonseed"; "screws, wood"; "shipbuilding, steel, new vessels and repair work"; "upholstering materials, imitation leather and leatheroid"; "washing machines and clothes wringers"; and "wire."

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

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL. Male.	PER CENT OF TOTAL. Female.
All classes	1919	156,012	101,289	54,723	64.9	35.1
	1914	124,109	83,539	40,570	67.3	32.7
	1909	122,641	81,843	40,798	66.7	33.3
Proprietors and officials	1919	6,598	6,312	286	95.7	4.3
	1914	4,403	4,267	136	96.9	3.1
	1909	4,109	3,957	152	96.3	3.7
Proprietors and firm members	1919	2,124	2,028	96	95.5	4.5
	1914	1,883	1,780	103	94.5	5.5
	1909	1,721	1,606	115	93.3	6.7
Salaried officers of corporations	1919	1,386	1,333	53	96.2	3.8
	1914	947	925	22	97.7	2.3
	1909	907	885	22	97.6	2.4
Superintendents and managers	1919	3,088	2,951	137	95.6	4.4
	1914	1,573	1,562	11	99.3	0.7
	1909	1,481	1,466	15	99.0	1.0
Clerks and other subordinate salaried employees	1919	9,749	5,243	4,506	53.8	46.2
	1914	6,281	4,143	2,138	66.0	34.0
	1909	4,994	3,337	1,657	66.8	33.2
Wage earners (average number)	1919	139,665	89,734	49,931	64.2	35.8
	1914	113,425	75,129	38,296	66.2	33.8
	1909	113,538	74,549	38,989	65.7	34.3
16 years of age and over	1919	133,789	87,023	46,766	65.0	35.0
	1914	109,242	73,217	36,025	67.0	33.0
	1909	108,913	72,239	36,674	66.3	33.7
Under 16 years of age	1919	5,876	2,711	3,165	46.1	53.9
	1914	4,183	1,912	2,271	45.7	54.3
	1909	4,625	2,310	2,315	49.9	50.1

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

INDUSTRY.	Census year.	Wage earners (average number).	PER CENT OF TOTAL. 16 years of age and over. Male.	Female.	Under 16 years of age.
All industries	1919	139,665	62.3	33.5	4.2
	1914	113,425	64.6	31.8	3.7
	1909	113,538	63.6	32.3	4.1
Bread and other bakery products	1919	1,166	90.0	9.3	0.8
	1914	1,112	93.1	6.4	0.5
Cotton goods	1919	31,405	52.6	41.6	5.9
	1914	25,257	52.5	41.7	5.8
Cotton lace	1919	941	49.3	40.7	10.0
	1914	1,357	46.2	48.0	5.8
Cotton small wares	1919	3,990	36.2	57.2	6.6
	1914	2,869	42.8	53.4	3.8
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	9,319	77.8	20.2	2.1
	1914	7,928	79.6	18.2	2.3
Electrical machinery, apparatus, and supplies.	1919	1,513	46.2	52.9	0.9
	1914	1,581	67.4	31.0	1.6
Foundry and machine-shop products [1]	1919	15,106	92.3	6.9	0.8
	1914	9,819	98.0	1.4	0.7
Gas, illuminating and heating	1919	670	99.4	0.3	0.3
	1914	605	92.9	7.1	.....
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1919	920	92.8	2.6	4.6
	1914	645	96.1	0.2	3.7
Jewelry	1919	10,579	54.1	41.1	4.8
	1914	8,778	67.2	31.2	1.7
Knit goods	1919	1,983	23.8	69.6	6.6
	1914	2,030	18.9	75.4	5.7
Printing and publishing, book and job	1919	944	64.8	31.6	3.6
	1914	930	70.2	28.2	1.6
Printing and publishing, newspapers and periodicals.	1919	602	89.4	9.3	1.3
	1914	529	90.5	8.1	1.3
Rubber tires, tubes, and rubber goods, not elsewhere specified.	1919	2,117	57.4	37.1	5.5
	1914	1,541	75.5	23.1	1.3
Silk goods	1919	4,150	43.3	51.3	5.4
	1914	2,325	40.1	56.1	3.8
Silversmithing and silverware [2]	1919	1,934	87.3	11.0	1.7
Suspenders, garters, and elastic woven goods.	1919	892	37.2	54.9	7.8
	1914	621	45.4	49.8	4.8
Woolen and worsted goods	1919	24,393	49.3	44.5	6.2
	1914	22,745	49.8	43.5	6.7
All other industries	1919	27,041	73.0	24.6	2.4
	1914	22,753	78.1	20.6	1.3

[1] Includes "iron and steel tempering, welding, etc."; "machine tools"; and "textile machinery and parts."

[2] Not shown separately in 1914.

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

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES. Total. 1919	1914	1909	16 years of age and over. Male. 1919	1914	1909	Female. 1919	1914	1909	Under 16 years of age. 1919	1914	1909	VALUE OF PRODUCTS. 1919	1914	1909
Bristol	5,097	.....	.....	2,939	.....	.....	1,917	.....	.....	241	.....	.....	$17,841,557	.....	.....
Central Falls	3,922	3,077	2,475	2,112	1,543	1,072	1,700	1,348	1,252	110	186	151	22,628,477	$6,748,296	$5,470,939
Cranston	2,657	2,218	1,711	2,189	2,024	1,509	408	171	188	60	23	14	13,693,723	6,706,138	5,624,714
Cumberland	2,918	[1] 2,958	5,359	1,586	[1] 1,618	3,108	1,139	[1] 1,130	1,962	193	[1] 210	289	15,999,225	[1] 5,966,280	9,826,720
East Providence	2,288	1,906	2,041	1,910	1,677	1,651	354	200	331	24	29	59	17,591,394	7,000,109	7,145,977
Newport	1,032	893	726	829	779	669	199	105	57	4	9	.....	4,166,696	2,298,576	1,378,927
Pawtucket	24,446	16,713	15,275	13,746	9,500	8,724	9,513	6,393	5,641	1,187	820	910	135,517,533	42,028,728	37,696,186
Providence	53,372	44,176	46,381	34,619	31,002	31,166	16,880	12,073	13,748	1,873	1,101	1,467	267,629,283	115,335,131	120,240,584
Warwick [2]	1,379	932	6,471	925	749	4,135	397	164	2,077	57	19	259	7,044,984	1,577,558	10,588,943
West Warwick [3]	4,910	5,507	.....	2,863	3,384	.....	1,769	1,872	.....	287	251	.....	22,163,799	10,078,039	.....
Woonsocket	14,387	10,952	10,703	8,592	6,098	6,293	5,131	4,358	3,864	664	496	546	93,546,778	28,115,187	28,218,515

[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] Totals for Warwick as published at the census of 1914 included those for West Warwick.

[3] In 1914 the totals for West Warwick were not shown separately, but were included with those for Warwick.

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

MONTH.	NUMBER.[1] 1919	1914	1909	PER CENT OF MAXIMUM. 1919	1914	1909	MONTH.	NUMBER.[1] 1919	1914	1909	PER CENT OF MAXIMUM. 1919	1914	1909
January	131,724	116,501	*108,775*	86.6	99.8	91.3	July	142,223	111,600	111,571	93.5	95.6	93.6
February	*126,903*	116,597	109,615	83.5	99.9	92.0	August	143,452	110,936	112,835	94.4	95.1	94.7
March	128,044	**116,685**	111,924	84.2	100.0	93.9	September	145,556	112,035	116,116	95.7	96.0	97.4
April	133,559	116,349	111,320	87.8	99.7	93.4	October	147,108	112,300	118,007	96.8	96.2	99.0
May	136,656	115,661	111,952	89.9	99.1	93.9	November	150,175	110,056	119,104	98.8	94.3	99.9
June	138,544	114,119	112,055	91.1	97.8	94.0	December	**152,036**	*108,261*	**119,191**	100.0	92.8	100.0

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

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

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

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	139,665	131,724	*126,903*	128,044	133,559	136,656	138,544	142,223	143,452	145,556	147,108	150,175	**152,036**	83.5
Males	89,734	85,387	*81,899*	82,673	85,772	87,616	88,960	91,080	92,074	93,318	94,266	96,368	**97,395**	84.1
Females	49,931	46,337	*45,004*	45,371	47,787	49,040	49,584	51,143	51,378	52,238	52,842	53,807	**54,641**	82.4
Bread and other bakery products	1,166	1,134	1,137	*1,125*	1,148	1,177	**1,207**	1,204	1,199	1,179	1,151	1,156	1,175	93.2
Cotton goods	31,405	30,379	*30,378*	30,957	30,897	31,043	31,037	31,871	31,940	32,093	31,769	32,159	**32,337**	93.9
Cotton lace	941	802	814	*801*	874	836	941	977	1,000	1,000	1,051	1,072	**1,124**	71.3
Cotton small wares	3,990	4,115	3,875	3,882	*3,637*	3,651	3,836	4,004	3,960	4,100	4,186	4,274	**4,366**	83.3
Dyeing and finishing textiles, exclusive of that done in textile mills	9,319	9,138	8,680	*8,214*	8,429	8,825	9,149	9,352	9,673	9,885	9,898	10,145	**10,440**	78.7
Electrical machinery, apparatus, and supplies	1,513	**1,695**	1,688	1,652	1,567	1,496	1,424	*1,348*	1,361	1,392	1,452	1,513	1,568	79.5
Foundry and machine-shop products	4,143	**4,772**	4,452	4,112	3,920	*3,769*	3,802	3,927	3,911	3,994	4,201	4,397	4,459	79.0
Gas, illuminating and heating	670	**1,001**	948	844	766	624	558	545	*508*	542	555	563	586	50.7
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	920	1,006	968	951	849	832	*816*	847	880	895	954	997	**1,045**	78.1
Jewelry	10,579	*8,899*	9,412	9,820	10,150	10,507	10,568	10,837	10,854	11,166	11,499	11,607	**11,629**	76.5
Knit goods	1,983	1,945	1,871	*1,835*	1,857	1,920	1,960	2,024	2,033	2,069	2,053	2,091	**2,138**	85.8
Machine tools	7,169	7,379	*6,552*	6,444	6,548	6,716	6,984	7,194	7,138	7,354	7,828	7,999	**8,092**	78.5
Printing and publishing, book and job	944	*899*	901	920	912	907	924	927	910	938	977	1,014	**1,099**	81.8
Printing and publishing, newspapers and periodicals	602	570	*564*	574	583	603	605	610	610	625	625	**632**	623	89.2
Rubber tires, tubes, and rubber goods, not elsewhere specified	2,117	**2,685**	2,123	2,005	2,008	2,028	*1,926*	2,054	2,121	2,005	2,063	2,165	2,221	71.7
Silk goods	4,150	4,046	4,038	4,074	4,098	4,171	4,199	4,238	4,099	4,221	*3,998*	4,288	4,330	92.3
Silversmithing and silverware	1,934	**2,511**	2,137	2,156	2,008	2,047	1,839	1,760	1,739	1,760	1,747	*1,728*	1,776	68.8
Suspenders, garters, and elastic woven goods	892	814	808	*784*	842	851	881	936	957	918	960	968	**985**	79.6
Textile machinery and parts	3,776	3,695	3,528	3,384	*3,316*	3,403	3,536	3,867	3,953	4,032	4,195	**4,236**	4,167	78.3
Woolen goods	3,144	2,156	*1,848*	2,190	3,078	3,441	3,391	3,534	3,530	3,468	3,629	3,675	**3,785**	48.8
Worsted goods	21,249	16,178	*13,979*	14,995	19,566	21,502	22,499	23,670	23,989	24,340	24,107	24,942	**25,221**	55.4
All other industries	27,059	*25,905*	26,402	26,325	26,506	26,307	26,459	26,497	27,087	27,580	28,216	28,354	**28,870**	89.7
Industries showing large proportion of females.														
Cotton goods	13,959	13,660	*13,595*	13,672	13,690	13,688	13,657	14,118	14,230	14,194	14,315	14,258	**14,431**	94.2
Cotton lace	449	373	374	*359*	428	403	452	468	481	483	514	523	**530**	67.7
Cotton small wares	2,469	2,526	2,379	2,382	*2,236*	2,288	2,399	2,501	2,459	2,539	2,576	2,646	**2,697**	82.9
Dyeing and finishing textiles, exclusive of that done in textile mills	1,947	1,880	1,814	*1,710*	1,732	1,842	1,893	1,979	2,009	2,061	2,091	2,155	**2,198**	77.8
Electrical machinery, apparatus, and supplies	806	905	889	866	**917**	783	754	*686*	700	778	759	808	827	74.8
Jewelry	4,608	*3,812*	4,145	4,380	4,503	4,650	4,610	4,703	4,661	4,823	**5,020**	5,009	4,980	75.9
Knit goods	1,490	1,455	1,408	*1,374*	1,390	1,441	1,473	1,522	1,522	**1,560**	1,552	1,574	1,609	85.4
Machine tools	664	**827**	729	682	644	632	628	626	*609*	*609*	647	664	671	73.6
Printing and publishing, book and job	306	293	*284*	297	299	298	299	297	287	290	322	331	**375**	75.7
Rubber tires, tubes, and rubber goods, not elsewhere specified	877	**1,296**	951	818	824	789	*753*	844	852	768	827	891	911	58.1
Silk goods	2,291	2,192	2,232	2,252	2,259	2,344	2,357	2,316	2,281	2,300	*2,176*	2,348	**2,405**	90.5
Silversmithing and silverware	219	*137*	170	187	240	245	232	226	228	237	243	233	**250**	54.8
Suspenders, garters, and elastic woven goods	534	512	510	*478*	502	504	517	533	549	542	569	**597**	595	80.1
Textile machinery and parts	285	**354**	299	279	*267*	272	269	275	277	278	288	295	*267*	75.4
Woolen goods	753	457	*387*	466	770	828	892	887	896	836	914	863	**930**	41.6
Worsted goods	10,976	8,322	*7,309*	7,790	9,919	11,002	11,461	12,148	12,222	12,601	12,591	13,034	**13,223**	55.3
Total for cities	116,417	110,471	*106,491*	107,640	111,697	113,807	115,391	118,332	119,215	120,911	122,016	124,693	**126,340**	84.3
Males	74,439	71,337	*68,473*	69,242	71,495	72,673	73,687	75,345	75,993	77,119	77,769	79,594	**80,541**	85.0
Females	41,978	39,134	*38,018*	38,398	40,202	41,134	41,704	42,987	43,222	43,792	44,247	45,099	**45,799**	83.0
BRISTOL	5,097	5,039	5,270	5,225	5,306	5,130	5,044	4,961	*4,942*	4,962	4,982	5,060	5,243	93.1
Males	3,058	3,046	3,128	3,111	3,193	3,072	3,032	2,962	*2,911*	2,950	2,997	3,082	**3,212**	90.6
Females	2,039	1,993	**2,142**	2,114	2,113	2,058	2,012	1,999	2,031	2,012	1,985	*1,978*	2,031	92.3
CENTRAL FALLS	3,922	3,927	3,996	3,934	3,898	3,882	*3,783*	3,795	3,842	3,949	3,998	4,000	**4,060**	93.2
Males	2,157	2,199	**2,229**	2,197	2,158	2,130	*2,034*	2,079	2,124	2,163	2,185	2,188	2,198	91.3
Females	1,765	1,728	1,767	1,737	1,740	1,752	1,749	*1,716*	1,718	1,786	1,813	1,812	**1,862**	92.2
CRANSTON	2,657	2,662	2,608	2,539	2,553	2,587	2,634	*2,533*	2,616	2,733	2,789	**2,816**	2,814	90.0
Males	2,209	2,242	2,189	2,145	2,137	2,149	2,169	*2,085*	2,160	2,283	2,318	**2,319**	2,312	89.9
Females	448	420	419	*394*	416	438	465	448	456	450	471	497	**502**	78.5
CUMBERLAND	2,918	2,822	*2,813*	2,822	2,861	2,889	2,907	2,951	2,910	2,940	3,021	3,019	**3,061**	91.9
Males	1,676	1,612	1,607	*1,604*	1,623	1,639	1,645	1,675	1,680	1,690	1,759	1,773	**1,805**	88.9
Females	1,242	1,210	*1,206*	1,218	1,238	1,250	1,262	**1,276**	1,230	1,250	1,262	1,246	1,256	94.5
EAST PROVIDENCE	2,288	2,216	2,188	2,186	*2,138*	2,151	2,173	2,272	2,315	2,418	2,373	2,460	**2,566**	83.3
Males	1,923	1,893	1,878	1,878	1,847	*1,815*	1,829	1,896	1,948	2,022	1,969	2,019	**2,082**	87.2
Females	365	323	310	308	*291*	336	344	376	367	396	404	441	**484**	60.1
NEWPORT	1,032	923	1,014	1,023	1,187	**1,208**	1,152	984	926	*893*	976	1,084	1,014	73.9
Males	833	*731*	823	814	946	**992**	947	825	777	758	808	828	747	73.7
Females	199	192	191	209	241	216	205	159	149	*135*	168	256	**267**	50.6
PAWTUCKET	24,446	23,953	*22,970*	23,334	23,105	23,239	23,396	24,756	25,122	25,584	25,345	26,094	**26,445**	86.9
Males	14,304	14,200	*13,479*	13,790	13,692	13,716	13,732	14,424	14,653	14,937	14,621	15,158	**15,245**	88.4
Females	10,142	9,753	9,500	9,544	*9,413*	9,523	9,663	10,332	10,469	10,647	10,724	10,936	**11,200**	84.0
PROVIDENCE	53,372	49,574	*47,844*	48,541	50,054	52,271	53,341	54,648	54,960	55,619	56,374	57,901	**58,747**	81.4
Males	35,434	33,681	*32,309*	32,693	33,612	34,550	35,271	36,020	36,240	36,621	37,207	38,240	**38,764**	83.3
Females	17,938	15,893	*15,535*	15,848	17,042	17,721	18,070	18,618	18,720	18,998	19,167	19,661	**19,983**	77.7
WARWICK	1,379	1,345	1,310	*1,285*	1,327	1,318	1,316	1,379	1,390	1,409	1,442	1,506	**1,521**	84.5
Males	958	953	914	*882*	922	909	919	962	971	968	1,000	1,034	**1,062**	83.1
Females	421	*392*	396	403	405	409	397	417	419	441	442	472	**459**	83.1
WEST WARWICK	4,919	*4,692*	4,793	4,776	4,776	4,844	4,906	4,970	5,010	5,044	5,078	5,020	**5,119**	91.7
Males	3,011	*2,847*	2,906	2,879	2,903	2,957	3,014	3,041	3,057	3,141	3,125	3,091	**3,171**	89.8
Females	1,908	*1,845*	1,887	1,897	1,873	1,887	1,892	1,929	1,953	1,903	**1,953**	1,929	1,948	94.5
WOONSOCKET	14,387	13,318	*11,676*	11,975	13,892	14,288	14,739	15,093	15,182	15,360	15,638	15,733	**15,750**	74.1
Males	8,876	7,933	*7,011*	7,249	8,462	8,744	9,094	9,376	9,472	9,586	9,780	9,862	**9,943**	70.5
Females	5,511	5,385	*4,665*	4,726	5,430	5,544	5,645	5,717	5,710	5,774	5,858	**5,871**	5,807	79.5

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

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries	1919	139,665	1,794	665	61,605	30,347	37,901	6,846	406	101
	1914	113,425	(2)	(2)	5,871	3,520	72,681	26,013	4,975	365
	1909	113,538	(2)	(2)	2,672	1,484	7,001	92,597	9,388	396
Bread and other bakery products	1919	1,166	4	.....	809	24	201	28	83	17
	1914	1,112	(2)	(2)	132	20	462	106	366	26
Cotton goods	1919	31,405	3	.....	9,273	446	21,677	6	.....	.....
	1914	25,257	.....	.....	.....	332	24,424	493	8	.....
Cotton lace	1919	941	64	.....	189	331	279	78	.....	.....
	1914	1,357	.....	.....	.....	.....	742	615	.....	.....
Cotton small wares	1919	3,990	.....	.....	1,024	227	2,675	13	51	.....
	1914	2,869	.....	.....	.....	3	2,082	784	.....	.....
Dyeing and finishing textiles, exclusive of that done in textile mills	1919	9,319	.....	3	2,850	717	4,325	1,424	.....	.....
	1914	7,928	(2)	(2)	3	832	5,862	972	259	.....
Electrical machinery, apparatus, and supplies	1919	1,513	144	.....	14	1,154	82	119	.....	.....
	1914	1,581	.....	.....	.....	34	417	595	535	.....
Foundry and machine-shop products [3]	1919	15,106	282	73	621	12,671	559	900	.....	.....
	1914	9,819	(2)	(2)	630	155	1,241	7,570	223	.....
Gas, illuminating and heating	1919	670	.....	.....	.....	7	504	159	.....	.....
	1914	605	(2)	(2)	64	.....	.....	47	492	2
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	1919	920	.....	.....	.....	822	19	79	.....	.....
	1914	645	(2)	(2)	340	.....	.....	305	.....	.....
Jewelry	1919	10,579	42	168	6,051	3,319	380	610	9	.....
	1914	8,778	(2)	(2)	832	520	3,260	3,786	360	20
Knit goods	1919	1,983	.....	.....	1,235	34	714	.....	.....	.....
	1914	2,030	(2)	(2)	305	10	1,519	196	.....	.....
Printing and publishing, book and job	1919	944	12	5	804	114	6	3	.....	.....
	1914	930	(2)	(2)	686	157	69	17	1	.....
Printing and publishing, newspapers and periodicals	1919	602	13	214	365	8	.....	2	.....	.....
	1914	529	(2)	(2)	445	17	47	.....	20	.....
Rubber tires, tubes, and rubber goods, not elsewhere specified	1919	2,117	.....	.....	752	1,279	86	.....	.....	.....
	1914	1,541	.....	.....	.....	.....	744	756	41	.....
Silk goods	1919	4,150	.....	.....	2,794	379	977	.....	.....	.....
	1914	2,325	.....	.....	.....	.....	2,247	78	.....	.....
Silversmithing and silverware [4]	1919	1,934	13	.....	49	1,868	.....	4	.....	.....
Suspenders, garters, and elastic woven goods	1919	892	.....	.....	645	10	237	.....	.....	.....
	1914	621	.....	.....	.....	.....	357	184	80	.....
Woolen and worsted goods	1919	24,393	.....	.....	21,062	527	2,527	277	.....	.....
	1914	22,745	.....	.....	.....	.....	18,147	3,993	605	.....
All other industries	1919	27,041	1,217	202	13,068	6,410	2,653	3,144	263	84
	1914	22,753	(2)	(2)	2,434	1,440	11,061	5,516	1,985	317
Total for cities	1919	116,417	1,680	663	52,443	28,453	26,531	6,206	357	84
	1914	89,332	(2)	(2)	5,381	2,600	54,914	22,392	3,698	347
BRISTOL	1919	5,097	23	.....	5,054	8	7	1	.....	4
CENTRAL FALLS	1919	3,922	74	.....	2,383	1,026	375	57	7	.....
	1914	3,077	(2)	(2)	53	13	2,208	761	42	.....
CRANSTON	1919	2,657	172	6	295	710	813	661	.....	.....
	1914	2,218	(2)	(2)	371	.....	262	1,520	65	.....
CUMBERLAND	1919	2,918	.....	.....	2,304	490	66	58	.....	.....
	1914	2,958	(2)	(2)	13	113	2,518	68	246	.....
EAST PROVIDENCE	1919	2,288	29	7	114	217	1,603	295	23	.....
	1914	1,906	(2)	(2)	218	6	688	32	962	.....
NEWPORT	1919	1,032	81	4	679	175	33	49	.....	11
	1914	893	(2)	(2)	162	37	581	52	38	23
PAWTUCKET	1919	24,446	108	41	7,009	3,828	11,646	1,671	143	.....
	1914	16,713	(2)	(2)	1,087	450	11,534	2,930	709	3
PROVIDENCE	1919	53,372	1,008	519	22,743	20,472	5,404	2,980	183	63
	1914	44,176	(2)	(2)	3,005	1,935	23,019	14,589	1,308	320
WARWICK	1919	1,379	2	.....	399	65	712	201	.....	.....
	1914	932	(2)	(2)	1	.....	696	62	173	.....
WEST WARWICK	1919	4,919	.....	.....	1,474	19	3,331	89	.....	6
	1914	5,507	(2)	(2)	25	11	5,139	268	63	1
WOONSOCKET	1919	14,387	183	86	9,989	1,443	2,541	144	1	.....
	1914	10,952	(2)	(2)	446	35	8,269	2,110	92	.....

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

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

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																	
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
			Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	2,466	139,665	279	1,030	2,308	496	5,590	229	7,540	155	11,144	150	24,184	74	25,314	32	22,524	21	41,061
Bread and other bakery products	248	1,166	37	162	322	40	402	5	159	4	283	.....	.....	.....	.....	.....	.....	.....	.....
Cotton goods	74	31,405	.....	3	10	8	83	2	77	6	423	17	3,141	23	8,207	8	6,182	7	13,282
Cotton lace	10	941	.....	1	2	1	12	.....	.....	4	283	4	644	.....	.....	.....	.....	.....	.....
Cotton small wares	48	3,990	.....	6	20	19	243	7	221	7	487	4	592	4	1,432	1	995	.....	.....
Dyeing and finishing textiles, exclusive of that done in textile mills	67	9,319	.....	6	14	16	209	10	307	11	816	14	2,206	6	2,012	3	2,019	1	1,736
Electrical machinery, apparatus, and supplies	13	1,513	.....	4	16	1	14	2	52	2	179	1	138	3	1,114	.....	.....	.....	.....
Foundry and machine-shop products	81	4,143	9	29	59	14	158	14	476	5	309	7	1,364	.....	.....	3	1,777	.....	.....
Gas, illuminating and heating	4	670	.....	.....	.....	1	7	1	37	.....	.....	1	122	.....	.....	1	501	.....	.....
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	7	920	.....	.....	.....	1	19	1	22	1	57	3	456	1	366	.....	.....	.....	.....
Jewelry	288	10,579	10	66	205	95	1,172	58	1,973	38	2,709	17	2,495	3	928	.....	.....	1	1,097
Knit goods	26	1,983	.....	3	9	7	79	4	150	3	229	9	1,516	.....	.....	.....	.....	.....	.....
Machine tools	13	7,169	.....	3	7	2	28	2	82	4	317	.....	.....	.....	.....	1	702	1	6,033
Printing and publishing, book and job	105	944	24	59	137	10	126	8	214	3	264	1	203	.....	.....	.....	.....	.....	.....
Printing and publishing, newspapers and periodicals	36	602	9	12	21	8	82	4	145	2	140	1	214	.....	.....	.....	.....	.....	.....
Rubber tires, tubes, and rubber goods, not elsewhere specified	6	2,117	.....	.....	.....	.....	.....	1	44	1	85	2	335	.....	.....	1	565	1	1,088
Silk goods	30	4,150	.....	4	8	4	55	8	259	4	231	5	841	3	1,014	2	1,742	.....	.....
Silversmithing and silverware	8	1,934	.....	1	4	4	47	2	70	.....	.....	.....	.....	.....	.....	.....	.....	1	1,813
Suspenders, garters, and elastic woven goods	10	892	.....	5	14	.....	.....	.....	.....	1	84	4	794	.....	.....	.....	.....	.....	.....
Textile machinery and parts	60	3,776	3	8	26	25	249	8	220	9	606	2	256	3	944	2	1,475	.....	.....
Woolen goods	26	3,144	.....	.....	.....	3	24	4	152	6	534	11	1,721	2	713	.....	.....	.....	.....
Worsted goods	62	24,249	.....	1	1	3	51	4	150	6	475	19	3,150	17	5,677	7	4,665	5	7,080
All other industries	1,244	27,059	187	657	1,433	234	2,530	84	2,730	38	2,633	28	3,996	9	2,907	3	1,898	4	8,932
Total for cities	2,113	116,417	231	866	2,013	454	5,138	216	7,154	128	9,107	116	18,554	59	20,153	25	17,757	18	36,541
BRISTOL	28	5,097	6	15	28	4	31	.....	.....	.....	.....	1	180	1	459	.....	.....	1	4,399
CENTRAL FALLS	67	3,922	6	16	37	20	217	10	382	5	357	6	955	3	961	.....	.....	1	1,013
CRANSTON	55	2,657	9	20	43	6	60	6	191	6	464	5	862	2	523	1	514	.....	.....
CUMBERLAND	26	2,918	1	8	13	4	55	4	146	2	119	2	394	4	1,454	1	737	.....	.....
EAST PROVIDENCE	37	2,288	5	16	33	3	33	6	204	1	64	2	218	2	550	2	1,186	.....	.....
NEWPORT	87	1,032	7	59	128	16	151	3	100	.....	.....	1	161	1	492	.....	.....	.....	.....
PAWTUCKET	284	24,446	25	112	267	55	622	26	821	23	1,553	26	4,114	7	2,467	6	4,507	4	10,095
PROVIDENCE	1,274	53,372	151	513	1,231	300	3,431	141	4,600	75	5,394	57	8,898	21	7,204	6	4,264	10	18,350
WARWICK	26	1,379	4	9	10	5	54	2	66	2	150	2	433	2	666	.....	.....	.....	.....
WEST WARWICK	39	4,919	3	14	31	6	58	3	97	3	206	4	664	3	949	2	1,796	1	1,118
WOONSOCKET	190	14,387	14	84	192	35	426	15	547	11	800	10	1,675	13	4,428	7	4,753	1	1,566

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

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	2,466	2,190	1,951	139,665	113,425	113,538	$747,322,858	$279,545,873	$280,343,797	$331,333,655	$117,120,654	$122,152,223
Less than $5,000	511	657	477	356	813	707	1,403,077	1,637,079	1,166,084	915,188	1,119,737	795,432
$5,000 to $20,000	680	645	579	2,001	3,310	3,244	7,412,005	6,514,767	5,891,800	4,192,031	3,910,731	3,510,241
$20,000 to $100,000	616	467	459	7,162	10,180	10,742	28,541,424	22,084,011	21,304,255	15,019,602	11,625,273	11,231,441
$100,000 to $500,000	371	278	367	19,728	47,865	49,719	86,575,489	63,295,031	116,696,453	42,425,486	48,382,007	52,043,520
$500,000 to $1,000,000	105	71		14,467			74,244,070	49,664,286		32,514,954		
$1,000,000 and over	183	72	69	95,951	51,257	49,126	549,146,793	136,350,699	135,285,205	236,266,394	52,082,906	54,571,589
	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	20.7	30.0	24.4	0.3	0.7	0.6	0.2	0.6	0.4	0.3	1.0	0.7
$5,000 to $20,000	27.6	29.5	29.7	1.4	2.9	2.9	1.0	2.3	2.1	1.3	3.3	2.9
$20,000 to $100,000	25.0	21.3	23.5	5.1	9.0	9.5	3.8	7.9	7.6	4.5	9.9	9.2
$100,000 to $500,000	15.0	12.7	18.8	14.1	42.2	43.8	11.6	22.6	41.6	12.8	41.3	42.6
$500,000 to $1,000,000	4.3	3.2		10.4			9.9	17.8		9.8		
$1,000,000 and over	7.4	3.3	3.5	68.7	45.2	43.3	73.5	48.8	48.3	71.3	44.5	44.7

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

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914
BREAD AND OTHER BAKERY PRODUCTS	248	204	100.0	100.0	1,166	1,112	100.0	100.0	$9,883,391	$4,016,959	100.0	100.0	$3,745,352	$1,691,189	100.0	100.0
Less than $5,000	25	63	10.1	30.9	8	52	0.7	4.7	79,009	210,333	0.8	5.2	33,586	98,386	0.9	5.8
$5,000 to $20,000	130	99	52.4	48.5	178	297	15.3	26.7	1,530,360	975,627	15.5	24.3	562,196	415,701	15.0	24.6
$20,000 to $100,000	76	36	30.6	17.6	412	408	35.3	36.7	3,113,605	1,412,387	31.5	35.2	1,026,029	544,137	27.4	32.2
$100,000 to $500,000	14	[1] 6	5.6	2.9	352	[1] 355	30.2	31.9	2,588,770	[1] 1,418,612	26.2	35.3	901,626	[1] 632,965	24.1	37.4
$500,000 and over	3	.....	1.2	.....	216	.....	18.5	.....	2,571,647	.....	26.0	.....	1,221,915	.....	32.6	.....
COTTON GOODS	74	65	100.0	100.0	31,405	25,257	100.0	100.0	155,488,347	43,267,662	100.0	100.0	67,204,697	17,729,863	100.0	100.0
Less than $20,000	3	.....	4.1	.....	18	.....	0.1	.....	15,517	.....	(2)	.....	7,648	.....	(2)	.....
$20,000 to $100,000	6	[3] 12	8.1	18.5	61	[3] 327	0.2	1.3	387,404	[3] 668,064	0.2	1.5	98,603	[3] 245,807	0.1	1.4
$100,000 to $500,000	11	22	14.9	33.8	706	[1] 10,725	2.2	42.5	2,603,155	5,796,298	1.7	13.4	1,126,438	[1] 7,167,753	1.7	40.4
$500,000 to $1,000,000	8	18	10.8	27.7	1,361	.....	4.3	.....	6,221,288	12,648,818	4.0	29.2	2,239,020	.....	3.3	.....
$1,000,000 and over	46	13	62.2	20.0	29,259	14,205	93.2	56.2	146,170,983	24,154,482	94.0	55.8	63,741,988	10,316,303	94.8	58.2
COTTON SMALL WARES	48	28	100.0	100.0	3,990	2,869	100.0	100.0	17,824,321	4,394,213	100.0	100.0	7,832,295	2,007,044	100.0	100.0
Less than $5,000	.....	3	.....	10.7	.....	6	.....	0.2	.....	5,238	.....	0.1	.....	3,189	.....	0.2
$5,000 to $20,000	5	8	10.4	28.6	14	33	0.4	1.2	62,519	89,867	0.4	1.8	25,126	34,348	0.3	1.7
$20,000 to $100,000	17	9	35.4	32.1	199	386	5.0	13.5	822,784	582,759	4.6	13.3	321,568	270,552	4.1	13.5
$100,000 to $500,000	19	[4] 8	39.6	28.6	1,075	[4] 2,444	26.9	85.2	4,578,112	[4] 3,725,349	25.7	84.8	1,839,080	[4] 1,698,955	23.5	84.6
$500,000 and over	7	.....	14.6	.....	2,702	.....	67.7	.....	12,360,906	.....	69.3	.....	5,646,521	.....	72.1	.....
DYEING AND FINISHING TEXTILES, EXCLUSIVE OF THAT DONE IN TEXTILE MILLS	67	47	100.0	100.0	9,319	7,928	100.0	100.0	42,257,545	16,300,783	100.0	100.0	21,330,805	7,536,480	100.0	100.0
Less than $20,000	11	10	16.4	21.3	69	78	0.7	1.0	120,636	97,975	0.3	0.6	92,621	65,438	0.4	0.9
$20,000 to $100,000	13	10	19.4	21.3	234	278	2.5	3.5	779,230	503,086	1.8	3.1	441,787	247,166	2.1	3.3
$100,000 to $500,000	19	15	28.4	31.9	1,205	[1] 4,628	12.9	58.4	4,262,812	3,421,034	10.1	21.0	2,599,001	[1] 4,046,907	12.2	53.7
$500,000 to $1,000,000	12	5	17.9	10.6	2,257	.....	24.2	.....	7,516,777	3,761,684	17.8	23.1	4,128,992	.....	19.4	.....
$1,000,000 and over	12	7	17.9	14.9	5,554	2,944	59.6	37.1	29,578,090	8,517,004	70.0	52.2	14,068,404	3,176,969	66.0	42.2
ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES	13	13	100.0	100.0	1,513	1,581	100.0	100.0	7,566,790	5,468,065	100.0	100.0	4,440,626	1,674,995	100.0	100.0
Less than $20,000	4	5	30.8	38.5	16	23	1.1	1.5	46,490	43,401	0.6	0.8	31,022	21,201	0.7	1.3
$20,000 to $100,000	3	.....	23.1	.....	66	.....	4.4	.....	211,332	.....	2.8	.....	123,736	.....	2.8	.....
$100,000 and over	6	[5] 8	46.2	61.5	1,431	[5] 1,558	94.6	98.5	7,308,968	[5] 5,424,664	96.6	99.2	4,285,268	[5] 1,653,794	96.5	98.7
FOUNDRY AND MACHINE-SHOP PRODUCTS [6]	158	136	100.0	100.0	15,106	9,819	100.0	100.0	52,932,045	17,177,123	100.0	100.0	38,687,110	11,101,716	100.0	100.0
Less than $5,000	29	22	18.3	16.2	24	32	0.2	0.3	100,741	65,261	0.2	0.4	71,819	48,207	0.2	0.4
$5,000 to $20,000	23	54	14.6	39.7	79	322	0.5	3.3	255,188	561,275	0.5	3.3	176,250	382,040	0.5	3.4
$20,000 to $100,000	51	36	32.2	26.5	630	968	4.2	9.9	2,369,187	1,884,887	4.5	11.0	1,463,254	1,202,638	3.8	10.8
$100,000 to $500,000	39	14	24.7	10.3	2,204	[1] 4,101	14.6	41.8	8,160,694	2,756,341	15.4	16.0	5,258,688	[1] 4,831,527	13.6	43.5
$500,000 to $1,000,000	5	7	3.2	5.1	1,125	.....	7.4	.....	3,856,206	4,447,594	7.3	25.9	2,595,213	.....	6.7	.....
$1,000,000 and over	11	3	7.0	2.2	11,044	4,396	73.1	44.8	38,190,029	7,461,765	72.1	43.4	29,121,886	4,637,304	75.3	41.8
JEWELRY	288	291	100.0	100.0	10,579	8,778	100.0	100.0	48,596,440	21,522,251	100.0	100.0	21,620,481	10,313,204	100.0	100.0
Less than $5,000	30	47	10.4	16.2	32	72	0.3	0.8	83,238	104,773	0.2	0.5	63,668	77,332	0.3	0.7
$5,000 to $20,000	53	70	18.4	24.1	282	478	2.7	5.4	588,628	769,289	1.2	3.6	411,212	519,391	1.9	5.0
$20,000 to $100,000	103	116	35.8	39.9	1,651	3,032	15.6	34.5	5,325,992	5,088,396	11.0	27.8	3,081,753	3,449,277	14.3	33.4
$100,000 to $500,000	83	54	28.8	18.5	5,141	[7] 5,196	48.6	59.2	19,815,444	10,834,248	40.8	50.3	10,711,774	[7] 6,267,204	49.5	60.8
$500,000 to $1,000,000	13	[4] 4	4.5	1.4	1,807	.....	17.1	.....	9,325,717	[4] 3,825,545	19.2	17.8	3,874,122	.....	17.9	.....
$1,000,000 and over	6	.....	2.1	.....	1,666	.....	15.7	.....	13,457,421	.....	27.7	.....	3,477,952	.....	16.1	.....
KNIT GOODS	26	23	100.0	100.0	1,983	2,030	100.0	100.0	11,936,313	4,191,841	100.0	100.0	4,547,197	1,787,239	100.0	100.0
Less than $5,000	.....	3	.....	13.0	.....	6	.....	0.3	.....	5,185	.....	0.1	.....	3,078	.....	0.2
$5,000 to $20,000	[8] 5	3	19.2	13.0	[8] 29	19	1.5	0.9	[8] 63,696	22,865	0.5	0.5	[8] 30,912	9,226	0.7	0.5
$20,000 to $100,000	5	4	19.2	17.4	59	53	3.0	2.6	202,325	151,085	1.7	3.6	84,884	70,122	1.9	3.9
$100,000 to $500,000	7	[1] 13	26.9	56.5	444	[1] 1,952	22.4	96.2	1,668,042	[1] 4,012,706	14.0	95.7	622,684	[1] 1,704,813	13.7	95.4
$500,000 to $1,000,000	6	.....	23.1	.....	881	.....	44.4	.....	4,474,566	.....	37.5	.....	1,875,548	.....	41.2	.....
$1,000,000 and over	3	.....	11.5	.....	570	.....	28.7	.....	5,527,684	.....	46.3	.....	1,933,169	.....	42.5	.....
SILK GOODS	30	12	100.0	100.0	4,150	2,325	100.0	100.0	27,219,238	7,664,472	100.0	100.0	10,404,365	2,337,878	100.0	100.0
Less than $5,000	.....	3	.....	25.0	.....	5	.....	0.2	.....	5,625	.....	0.1	.....	3,783	.....	0.2
$5,000 to $20,000	[8] 3	.....	10.0	.....	[8] 6	.....	0.1	.....	[8] 16,991	.....	0.1	.....	[8] 5,828	.....	0.1	.....
$20,000 to $100,000	6	3	20.0	25.0	83	53	2.0	2.3	266,961	134,228	1.0	1.8	134,550	52,382	1.3	2.2
$100,000 to $500,000	[1] 11	[1] 3	36.7	25.0	[1] 464	[1] 411	11.2	17.7	[1] 4,255,826	[1] 1,373,947	15.6	17.9	[1] 1,439,181	[1] 386,344	13.8	16.5
$1,000,000 and over	10	3	33.3	25.0	3,597	1,856	86.7	79.8	22,679,460	6,150,672	83.3	80.2	8,824,806	1,895,369	84.8	81.1
SLAUGHTERING AND MEAT PACKING	22	10	100.0	100.0	264	190	100.0	100.0	6,807,195	4,497,456	100.0	100.0	839,238	339,458	100.0	100.0
Less than $5,000	6	.....	27.3	.....	1	.....	0.4	.....	13,634	.....	0.2	.....	4,602	.....	0.5	.....
$5,000 to $20,000	5	.....	22.7	.....	4	.....	1.5	.....	53,849	.....	0.8	.....	14,297	.....	1.7	.....
$20,000 to $100,000	3	[9] 5	13.6	50.0	7	[9] 13	2.7	6.8	195,625	[9] 114,802	2.9	2.6	26,767	[9] 33,920	3.2	10.0
$100,000 to $500,000	4	[4] 5	18.2	50.0	17	[4] 177	6.4	93.2	908,156	[4] 4,382,654	13.3	97.4	54,866	[4] 305,538	6.5	90.0
$500,000 and over	4	.....	18.2	.....	235	.....	89.0	.....	5,635,931	.....	82.8	.....	738,706	.....	88.0	.....
WOOLEN AND WORSTED GOODS	88	80	100.0	100.0	24,393	22,745	100.0	100.0	175,312,358	60,888,755	100.0	100.0	58,397,580	19,153,956	100.0	100.0
$5,000 to $20,000	.....	4	.....	5.0	.....	64	.....	0.3	.....	40,810	.....	0.1	.....	26,960	.....	0.1
$20,000 to $100,000	[9] 7	10	8.0	12.5	[9] 100	485	0.4	2.1	[9] 278,370	641,899	0.2	1.1	[9] 201,377	346,180	0.3	1.8
$100,000 to $500,000	15	27	17.0	33.8	1,254	[1] 7,860	5.1	34.6	4,595,974	7,395,794	2.6	12.1	2,280,847	[1] 6,568,640	3.9	34.3
$500,000 to $1,000,000	15	19	17.0	23.8	1,687	.....	6.9	.....	10,983,202	13,747,920	6.3	22.6	4,105,940	.....	7.0	.....
$1,000,000 and over	51	20	58.0	25.0	21,352	14,336	87.5	63.0	159,454,812	39,062,332	91.0	64.2	51,809,416	12,212,176	88.7	63.8

[1] Includes the group "$500,000 to $1,000,000."
[2] Less than one-tenth of 1 per cent.
[3] Includes the group "$5,000 to $20,000."
[4] Includes the group "$1,000,000 and over."
[5] Includes the group "$20,000 to $100,000."
[6] Includes "iron and steel, tempering, welding, etc."; "machine tools"; and "textile machinery and parts."
[7] Includes the groups "$500,000 to $1,000,000" and "$1,000,000 and over."
[8] Includes the group "Less than $5,000."
[9] Includes the groups "Less than $5,000" and "$5,000 to $20,000."

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

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
BRISTOL	28	5,097	100.0	$17,841,557	100.0	$9,048,115	100.0
Less than $5,000	8	3	0.1	19,650	0.1	11,847	0.1
$5,000 to $20,000	9	17	0.3	89,414	0.5	41,791	0.5
$20,000 to $100,000	8	39	0.8	339,219	1.9	145,406	1.6
$500,000 and over	3	5,038	98.8	17,393,274	97.5	8,849,071	97.8
CENTRAL FALLS	67	3,922	100.0	22,628,477	100.0	10,629,724	100.0
Less than $5,000	12	8	0.2	38,134	0.2	19,714	0.2
$5,000 to $20,000	10	33	0.8	93,823	0.4	55,463	0.5
$20,000 to $100,000	20	231	5.9	1,005,104	4.4	435,113	4.1
$100,000 to $500,000	13	571	14.6	2,801,924	12.4	1,286,480	12.1
$500,000 to $1,000,000	4	521	13.3	2,922,498	12.9	1,327,825	12.5
$1,000,000 and over	8	2,558	65.2	15,766,994	69.7	7,505,129	70.6
CRANSTON	55	2,657	100.0	13,693,723	100.0	7,940,205	100.0
Less than $5,000	11	1	(1)	22,545	0.2	13,363	0.2
$5,000 to $20,000	19	61	2.3	219,024	1.6	113,354	1.4
$20,000 to $100,000	9	186	7.0	574,933	4.2	290,218	3.7
$100,000 to $500,000	6	432	16.3	1,493,558	10.9	883,185	11.1
$500,000 to $1,000,000	6	790	29.7	3,418,643	25.0	1,928,190	24.3
$1,000,000 and over	4	1,187	44.7	7,965,020	58.2	4,711,895	59.3
CUMBERLAND	26	2,918	100.0	15,999,225	100.0	8,660,752	100.0
Less than $20,000	8	23	0.8	77,844	0.5	31,427	0.4
$20,000 to $100,000	7	103	3.5	322,113	2.0	193,293	2.2
$100,000 to $500,000	5	356	12.2	1,143,059	7.1	636,321	7.3
$1,000,000 and over	6	2,436	83.5	14,456,209	90.4	7,799,711	90.1
EAST PROVIDENCE	37	2,288	100.0	17,591,394	100.0	5,497,866	100.0
Less than $5,000	10	5	0.2	35,199	0.2	25,226	0.5
$5,000 to $20,000	9	30	1.3	107,046	0.6	52,139	0.9
$20,000 to $100,000	7	142	6.2	356,694	2.0	240,634	4.4
$100,000 to $500,000 [2]	6	270	11.8	1,565,964	8.9	468,954	8.5
$1,000,000 and over	5	1,841	80.5	15,526,491	88.3	4,710,913	85.7
NEWPORT	87	1,032	100.0	4,166,696	100.0	2,477,714	100.0
Less than $5,000	21	14	1.4	42,225	1.0	25,855	1.0
$5,000 to $20,000	38	102	9.9	385,602	9.3	217,852	8.8
$20,000 to $100,000	25	226	21.9	1,175,771	28.2	593,629	24.0
$100,000 and over	3	690	66.9	2,563,098	61.5	1,640,378	66.2
PAWTUCKET	234	24,446	100.0	$135,517,533	100.0	$58,044,788	100.0
Less than $5,000	59	30	0.1	132,368	0.1	76,851	0.1
$5,000 to $20,000	69	219	0.9	801,159	0.6	444,328	0.8
$20,000 to $100,000	65	628	2.6	2,916,968	2.2	1,313,402	2.3
$100,000 to $500,000	58	2,789	11.4	14,095,437	10.4	6,184,116	10.7
$500,000 to $1,000,000	16	2,328	9.5	12,015,962	8.9	5,985,159	10.3
$1,000,000 and over	26	18,452	75.5	105,555,639	77.9	44,040,932	75.9
PROVIDENCE	1,274	53,372	100.0	267,629,283	100.0	127,302,659	100.0
Less than $5,000	241	175	0.3	663,650	0.2	453,512	0.4
$5,000 to $20,000	363	1,099	2.1	3,958,151	1.5	2,342,731	1.8
$20,000 to $100,000	361	4,39[illegible]	8.2	16,540,790	6.2	9,277,875	7.3
$100,000 to $500,000	217	11,592	21.7	50,600,011	18.9	25,396,813	19.9
$500,000 to $1,000,000	40	5,690	10.7	28,958,825	10.8	12,240,256	9.6
$1,000,000 and over	52	30,423	57.0	166,907,856	62.4	77,591,472	61.0
WARWICK	26	1,379	100.0	7,044,984	100.0	3,263,237	100.0
Less than $5,000	9	5	0.4	21,835	0.3	13,732	0.4
$5,000 to $20,000	4	16	1.2	39,509	0.6	17,650	0.5
$20,000 to $100,000	6	71	5.1	359,303	5.0	169,900	4.9
$100,000 to $500,000 [2]	3	302	21.9	1,146,964	16.3	792,540	24.3
$1,000,000 and over	4	985	71.4	5,486,373	77.9	2,278,415	69.8
WEST WARWICK	39	4,919	100.0	22,163,799	100.0	8,885,345	100.0
Less than $5,000	7	3	0.1	22,250	0.1	15,396	0.2
$5,000 to $20,000	9	38	0.8	128,140	0.6	64,164	0.7
$20,000 to $100,000	8	79	1.6	325,088	1.5	164,476	1.9
$100,000 to $500,000 [2]	7	605	12.3	2,462,420	11.1	1,277,681	14.4
$1,000,000 and over	8	4,194	85.3	19,225,901	86.7	7,363,628	82.9
WOONSOCKET	190	14,387	100.0	93,546,778	100.0	32,640,273	100.0
Less than $5,000	33	30	0.2	98,221	0.1	72,144	0.2
$5,000 to $20,000	54	150	1.0	518,016	0.6	316,969	1.0
$20,000 to $100,000	41	485	3.4	1,824,578	1.9	921,462	2.8
$100,000 to $500,000	28	1,106	7.7	5,707,139	6.1	2,704,728	8.3
$500,000 to $1,000,000	7	950	6.6	5,116,828	5.5	1,769,181	5.4
$1,000,000 and over	27	11,666	81.1	80,281,996	85.8	26,855,789	82.3

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

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

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

Industry and city.	Census year.	Number of establishments owned by—			Average number of wage earners.						Value of products.					
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.	
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1919	1,210	853	403	139,665	7,386	125,659	6,620	5.3	90.0	4.7	$747,322,858	$33,493,110	$681,416,232	$32,413,516	4.5	91.2	4.3
	1914	1,109	713	368	113,425	10,512	94,826	8,087	9.3	83.6	7.1	279,545,873	23,460,462	237,242,698	18,842,713	8.4	84.9	6.7
	1909	955	659	337	113,538	8,888	95,794	8,856	7.8	84.4	7.8	280,343,797	18,425,145	243,426,998	18,491,654	6.6	86.8	6.6
Bread and other bakery products.	1919	193	14	41	1,166	495	424	247	42.5	36.4	21.2	9,883,391	3,909,731	4,087,699	1,885,961	39.6	41.4	19.1
	1914	167	12	25	1,112	475	398	239	42.7	35.8	21.5	4,016,959	1,673,559	1,542,613	800,787	41.7	38.4	19.9
Cotton goods	1919	4	69	1	31,405	[1] 116	31,289	.....	0.4	99.6	.....	155,488,347	[1] 334,233	155,154,114	.....	0.2	99.8	.....
	1914	4	48	13	25,257	40	22,060	3,157	0.2	87.3	12.5	43,267,662	249,913	38,432,741	4,585,008	0.6	88.8	10.6
Cotton small wares	1919	8	33	7	3,990	99	3,791	100	2.5	95.0	2.5	17,824,321	367,488	16,933,323	523,510	2.1	95.0	2.9
	1914	7	17	4	2,869	157	2,676	36	5.5	93.3	1.3	4,394,213	181,160	4,150,026	63,027	4.1	94.4	1.4
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	6	55	6	9,319	152	6,712	2,455	1.6	72.0	26.3	42,257,545	486,129	32,176,248	9,595,168	1.2	76.1	22.7
	1914	12	32	3	7,928	2,194	5,721	13	27.7	72.2	0.2	16,300,783	3,969,996	12,309,842	20,945	24.4	75.5	0.1
Electrical machinery, apparatus, and supplies.	1919	2	9	2	1,513	[1] 41	1,472	.....	2.7	97.3	.....	7,566,790	[1] 124,974	7,441,816	.....	1.7	98.3	.....
	1914	2	10	1	1,581	[1] 36	1,545	.....	2.3	97.7	.....	5,468,065	[1] 77,207	5,390,858	.....	1.4	98.6	.....
Foundry and machine-shop products.[2]	1919	61	79	18	15,106	508	14,375	223	3.4	95.2	1.5	52,932,045	2,106,059	50,033,871	792,115	4.0	94.5	1.5
	1914	55	61	20	9,819	479	9,163	177	4.9	93.3	1.8	17,177,123	983,657	15,841,536	351,930	5.7	92.2	2.0
Jewelry	1919	92	114	82	10,579	1,480	7,378	1,721	14.0	69.7	16.3	48,596,440	4,425,732	37,271,603	6,899,105	9.1	76.7	14.2
	1914	97	115	79	8,778	1,472	5,421	1,885	16.8	61.8	21.5	21,522,251	2,607,971	14,651,977	4,262,303	12.1	68.1	19.8
Knit goods	1919	8	15	3	1,983	372	1,601	10	18.8	80.7	0.5	11,936,313	1,369,563	10,533,709	33,041	11.5	88.2	0.3
	1914	4	16	3	2,030	438	1,399	193	21.6	68.9	9.5	4,191,841	577,019	3,267,305	347,517	13.8	77.9	8.3
Liquors, malt	1919	.....	5	.....	398	.....	398	.....	.....	100.0	.....	5,932,689	.....	5,932,689	.....	.....	100.0	.....
	1914	.....	6	2	511	.....	[1] 511	.....	.....	100.0	.....	3,918,332	.....	[1] 3,918,332	.....	.....	100.0	.....
Rubber tires, tubes, and rubber goods, not elsewhere specified.	1919	.....	6	.....	2,117	.....	2,117	.....	.....	100.0	.....	15,887,006	.....	15,887,006	.....	.....	100.0	.....
	1914	.....	6	.....	1,541	.....	1,541	.....	.....	100.0	.....	6,088,988	.....	6,088,988	.....	.....	100.0	.....
Silk goods	1919	2	24	4	4,150	.....	4,051	[3] 99	.....	97.6	2.4	27,219,238	.....	26,395,282	[3] 823,956	.....	97.0	3.0
	1914	4	8	.....	2,325	53	2,272	.....	2.3	97.7	.....	7,664,472	136,160	7,528,312	.....	1.8	98.2	.....
Slaughtering and meat packing.	1919	15	2	5	264	19	.....	[4] 245	7.2	.....	92.8	6,807,195	752,020	.....	[4] 6,055,175	11.0	.....	89.0
	1914	4	1	5	190	12	.....	[4] 178	6.3	.....	93.7	4,497,456	172,131	.....	[4] 4,325,325	3.8	.....	96.2
Woolen and worsted goods.	1919	11	74	3	24,393	1,069	23,145	179	4.4	94.9	0.7	175,312,358	6,343,652	167,974,848	993,858	3.6	95.8	0.6
	1914	10	66	4	22,745	1,761	20,554	430	7.7	90.4	1.9	60,888,755	4,476,009	55,506,406	906,340	7.4	91.2	1.5
Total for cities	1919	1,018	735	360	116,417	5,971	105,799	4,647	5.1	90.9	4.0	617,823,449	25,874,760	566,940,008	25,008,681	4.2	91.8	4.0
	1914	951	609	331	89,332	6,873	75,703	6,756	7.7	84.7	7.6	225,854,042	15,225,421	194,076,493	16,552,128	6.7	85.9	7.3
BRISTOL	1919	16	5	7	5,097	27	5,047	23	0.5	99.0	0.5	17,841,557	196,772	17,518,729	126,056	1.1	98.2	0.7
CENTRAL FALLS	1919	30	32	5	3,922	210	3,565	147	5.4	90.9	3.7	22,628,477	1,017,668	20,136,671	1,474,138	4.5	89.0	6.5
	1914	17	23	5	3,077	112	2,916	49	3.6	94.8	1.6	6,748,296	269,078	6,146,956	332,262	4.0	91.1	4.9
CRANSTON	1919	28	21	6	2,657	84	2,543	30	3.2	95.7	1.1	13,693,723	437,877	13,186,906	68,940	3.2	96.3	0.5
	1914	14	18	7	2,218	47	2,131	40	2.1	96.1	1.8	6,706,138	124,329	6,427,532	154,277	1.9	95.8	2.3
CUMBERLAND	1919	10	15	1	2,918	[1] 65	2,853	.....	2.2	97.8	.....	15,999,225	[1] 287,781	15,711,444	.....	1.8	98.2	.....
	1914	9	12	2	2,958	[1] 33	2,925	.....	1.1	98.9	.....	5,966,280	[1] 100,041	5,866,239	.....	1.7	98.3	.....
EAST PROVIDENCE	1919	18	15	4	2,288	76	1,616	596	3.3	70.6	26.0	17,591,394	219,075	14,897,510	2,474,809	1.2	84.7	14.1
	1914	19	15	4	1,906	609	1,286	11	32.0	67.5	0.6	7,000,109	1,124,516	5,830,658	44,935	16.1	83.3	0.6
NEWPORT	1919	56	15	16	1,032	178	787	67	17.2	76.3	6.5	4,166,696	779,226	2,921,962	465,508	18.7	70.1	11.2
	1914	63	10	16	893	284	549	60	31.8	61.5	6.7	2,298,576	722,743	1,357,648	218,185	31.4	59.1	9.5
PAWTUCKET	1919	119	123	42	24,446	639	23,522	285	2.6	96.2	1.2	135,517,533	3,376,556	128,400,151	3,740,826	2.5	94.7	2.8
	1914	102	96	37	16,713	649	15,690	374	3.9	93.9	2.2	42,028,728	1,535,256	38,348,742	2,144,730	3.7	91.2	5.1
PROVIDENCE	1919	618	415	241	53,372	3,885	46,418	3,069	7.3	87.0	5.8	267,629,283	15,215,958	237,990,647	14,512,678	5.7	88.9	5.4
	1914	613	367	227	44,176	4,091	36,318	3,767	9.3	82.2	8.5	115,335,131	9,033,277	96,336,767	9,965,087	7.8	83.5	8.6
WARWICK	1919	14	9	3	1,379	126	1,231	22	9.1	89.3	1.6	7,044,984	1,653,983	5,354,240	36,761	23.5	76.0	0.5
	1914	13	4	2	932	[1] 321	611	.....	34.4	65.6	.....	1,577,558	[1] 591,011	986,547	.....	37.5	62.5	.....
WEST WARWICK	1919	18	17	4	4,919	69	4,838	12	1.4	98.4	0.2	22,163,799	304,923	21,795,609	63,267	1.4	98.3	0.3
	1914	21	11	7	5,507	139	3,060	2,308	2.5	55.6	41.9	10,078,039	462,385	6,356,110	3,259,544	4.6	63.1	32.3
WOONSOCKET	1919	91	68	31	14,387	612	13,379	396	4.3	93.0	2.8	93,546,778	2,384,941	89,116,139	2,045,698	2.5	95.3	2.2
	1914	80	53	24	10,952	588	10,217	147	5.4	93.3	1.3	28,115,187	1,262,785	26,419,294	433,108	4.5	94.0	1.5

[1] Includes the group "All others."
[2] Includes "iron and steel, tempering, welding, etc."; "machine tools"; and "textile machinery and parts."
[3] Includes the group "Individuals."
[4] Includes the group "Corporations."

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

	Census year.	Aggregate.	Cities having a population of 10,000 or over.								The state outside of cities having a population of 10,000 or over.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places	1919	.....	11	.....	6	.....	4	.....	1	.....	.....	.....
	1914	.....	10	.....	6	.....	3	.....	1	.....	.....	.....
	1909	.....	9	.....	4	.....	4	.....	1	.....	.....	.....
Population [1]	1920	604,397	501,362	83.0	96,361	15.9	167,406	27.7	237,595	39.3	103,035	17.0
	1915	591,215	479,487	81.1	105,992	17.9	128,405	21.7	245,090	41.5	111,728	18.9
	1910	542,610	437,627	80.7	69,776	12.9	143,525	26.5	224,326	41.3	104,983	19.3
Number of establishments	1919	2,466	2,113	85.7	223	9.0	616	25.0	1,274	51.7	353	14.3
	1914	2,190	1,891	86.3	203	9.3	481	22.0	1,207	55.1	299	13.7
	1909	1,951	1,656	84.9	126	6.5	450	23.1	1,080	55.4	295	15.1
Average number of wage earners	1919	139,665	116,417	83.4	20,523	14.7	42,522	30.4	53,372	38.2	23,248	16.6
	1914	113,425	89,332	78.8	16,598	14.6	28,558	25.2	44,176	38.9	24,093	21.2
	1909	113,538	91,142	80.3	11,586	10.2	33,175	29.2	46,381	40.9	22,396	19.7
Value of products	1919	$747,322,858	$617,823,449	82.7	$103,269,436	13.8	$246,924,730	33.0	$267,629,283	35.8	$129,499,409	17.3
	1914	279,545,873	225,854,042	80.8	38,076,420	13.6	72,442,491	25.9	115,335,131	41.3	53,691,831	19.2
	1909	280,343,797	226,191,505	80.7	28,068,350	10.0	77,882,571	27.8	120,240,584	42.9	54,152,292	19.3
Value added by manufacture	1919	331,333,655	274,390,678	82.8	45,985,039	13.9	101,102,980	30.5	127,302,659	38.4	56,942,977	17.2
	1914	117,120,654	96,185,543	82.1	15,198,359	13.0	29,622,008	25.3	51,365,176	43.9	20,935,111	17.9
	1909	122,152,223	101,209,421	82.9	12,122,109	9.9	33,616,782	27.5	55,470,539	45.4	20,942,802	17.1

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

TABLE 16.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

City and industry.	Value of products.			
	Amount, 1919.	Per cent of total for the state.	Increase [1] over 1914.	
			Amount.	Per cent.
PAWTUCKET.				
Cotton goods	$53,628,196	34.5	$43,067,442	407.8
Silk goods	11,903,743	43.7	(2)	(2)
Cotton small wares	8,030,948	45.1		
Dyeing and finishing textiles, exclusive of that done in textile mills	7,142,605	16.9	4,240,854	146.1
Foundry and machine-shop products [3]	4,019,814	13.2	1,204,370	42.8
Slaughtering and meat packing	3,191,090	46.9	(2)	(2)
Cotton lace	1,942,651	47.3		
Bread and other bakery products	1,001,222	10.1	614,818	159.1
Jewelry	854,411	1.8	297,159	53.3
Lumber, planing-mill products, not including planing mills connected with sawmills	759,095	44.3	−39,324	−4.9
Tools, not elsewhere specified	560,282	37.1	(2)	(2)
Cardboard, not made in paper mills	(2)		(2)	(2)
Electrical machinery, apparatus, and supplies				
Grease and tallow, not including lubricating greases				
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills				
Iron and steel, steel works and rolling mills				
Knit goods				
Machine tools				
Paper goods, not elsewhere specified				
Suspenders, garters, and elastic woven goods				
Wire				
Worsted goods				
PROVIDENCE.				
Woolen and worsted goods	55,335,050	31.6	(2)	(2)
Jewelry	47,447,575	97.6	26,513,585	126.7
Foundry and machine-shop products [4]	29,128,542	55.1	19,951,410	217.4
Dyeing and finishing textiles, exclusive of that done in textile mills	10,988,462	26.0	7,347,456	201.8
Silversmithing and silverware	6,829,806	100.0	(2)	(2)
Cotton small wares	6,188,830	34.7		
Bread and other bakery products	5,916,012	59.9	3,478,951	142.8
Slaughtering and meat packing	3,496,890	51.4	(2)	(2)
Gold and silver, reducing and refining, not from the ore	3,409,457	100.0	119,600	3.6
Electrical machinery, apparatus, and supplies	3,137,771	41.5	2,049,639	188.4
Knit goods	3,068,645	25.7	1,502,462	95.9
Oleomargarine and other butter substitutes	2,946,142	100.0	(2)	(2)
PROVIDENCE—Continued.				
Printing and publishing, newspapers and periodicals	$2,698,015	71.5	$1,131,872	72.3
Printing and publishing, book and job	2,469,054	76.4	789,225	47.0
Sausage, not made in slaughtering and meat-packing establishments	1,738,412	92.9	835,895	92.6
Confectionery and ice cream	1,598,211	67.5	807,324	102.1
Optical goods	1,423,795	100.0	(2)	(2)
Tools, not elsewhere specified	831,528	55.1	604,615	266.5
Jewelry and instrument cases	831,362	100.0	(2)	(2)
Food preparations, not elsewhere specified	824,632	81.1		
Copper, tin, and sheet-iron work	695,278	69.1	−691	−0.1
Lumber, planing-mill products, not including planing mills connected with sawmills	613,144	35.8	−40,176	−6.1
Brass and bronze products	594,234	20.0	123,221	26.2
Automobile repairing	561,376	51.9	399,497	246.8
Boxes, paper and other, not elsewhere specified	557,134	68.6	57,676	11.5
Baking powders and yeast	(2)		(2)	(2)
Boots and shoes, rubber				
Cotton goods				
Electroplating				
Fancy articles, not elsewhere specified				
Files				
Gas, illuminating and heating				
Gas and water meters				
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills				
Liquors, malt				
Needles, pins, and hooks and eyes				
Oil and cake, cottonseed				
Paints				
Petroleum, refining				
Rubber tires, tubes, and rubber goods, not elsewhere specified				
Screws, wood				
Shipbuilding, steel, new vessels				
Silk goods				
Soap				
Steam fittings and steam and hot-water heating apparatus				
Structural ironwork, not made in steel works or rolling mills				
Suspenders, garters, and elastic woven goods				
Tinware, not elsewhere specified				

[1] A minus sign (−) denotes decrease.
[2] Figures can not be shown without disclosing individual operations.
[3] Includes "textile machinery and parts" in 1919 and 1914. "Machine tools" included in 1914, but excluded in 1919, to avoid disclosure of individual operations.
[4] Includes "machine tools" and "textile machinery and parts."

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

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909
Primary power, total	13,498	6,310	3,674	321,016	269,854	226,740	100.0	100.0	100.0
Owned	1,267	1,481	1,500	221,731	235,312	210,049	69.1	87.2	92.6
Steam[1]	893	1,099	1,104	189,280	199,170	175,332	59.0	73.8	77.3
Engines	819	(2)	(2)	147,358	(2)	(2)	45.9		
Turbines	74	(2)	(2)	41,922	(2)	(2)	13.1		
Internal-combustion engines	108	114	100	3,188	2,493	3,300	1.0	0.9	1.5
Water	266	268	296	29,263	33,649	31,417	9.1	12.5	13.9
Water wheels and turbines	263	265	290	29,258	33,644	31,376	9.1	12.5	13.8
Water motors	3	3	6	5	5	41	(3)	(3)	(3)
Rented	12,231	4,829	2,174	99,285	34,542	16,691	30.9	12.8	7.4
Electric	12,231	4,829	2,174	97,957	31,572	13,697	30.5	11.7	6.0
Other				1,328	2,970	2,994	0.4	1.1	1.3
Electric	19,884	10,251	3,964	163,913	91,224	42,130	100.0	100.0	100.0
Rented	12,231	4,829	2,174	97,957	31,572	13,697	59.8	34.6	32.5
Generated by establishments reporting	7,653	5,422	1,790	65,956	59,652	28,433	40.2	65.4	67.5

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

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

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries 1919	96,628	982,891	51,853	1,394,488	19,027	616,995
1914	139,666	1,056,045	17,634	163,240	(1)	113,335
Per cent of increase[2]	−30.8	−6.9	194.1	765.9	(1)	444.4
Boots and shoes, rubber	274	22,526	12	97,478		1,123
Bread and other bakery products	4,504	3,545	6,462	592	968	9,350
Cars and general shop construction and repairs by steam-railroad companies		11,335				
Chemicals		6,016	77	2,652		
Cotton goods	14,144	163,484	13,982	334,984	391	42
Cotton small wares	192	11,388	296	39,307		74,636
Dyeing and finishing textiles, exclusive of that done in textile mills	29,447	188,649	713	107,739	1,785	342,214
Files	1,774	2,969	5	16,896		10,481
Foundry and machine-shop products	1,510	17,873	7,542	8,382	83	8,807
Gas, illuminating and heating	15,694	179,406	4,682	113,823	7,237	
Glass		6,732				6,887
Iron and steel, steel works and rolling mills	20	10,273	155	66,352		
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	638	2,381	1,556	3,351	329	1,070
Jewelry	1,461	1,730	26	5,177	2	30,043
Liquors, malt		17,984			500	
Machine tools	299	13,155	9,360	6,495	148	16,261
Paper and wood pulp		17,013				
Petroleum, refining				85,751		
Printing and publishing, newspapers and periodicals	436	436		12,329		9,447
Rubber tires, tubes, and rubber goods, not elsewhere specified	57	9,815		78,689	934	970
Screws, wood	4,213	5,951	87			
Shipbuilding, steel, new vessels and repair work	57	5,792				
Silk goods	2,663	7,809		41,692	1	
Textile machinery and parts	2,305	8,816	4,235	24,092	113	5,239
Wire	2,665	24,808		16,505		
Woolen goods	60	32,007		738	14	
Worsted goods	4,101	150,479		270,237		1,320
All other industries	10,114	60,519	2,663	61,227	6,522	99,105
Total for cities	61,819	783,578	36,971	1,193,115	16,824	305,001
BRISTOL	687	19,699	36	97,747	155	1,557
CENTRAL FALLS	7,519	18,394	245	3,234	43	8,248
CRANSTON	134	30,382	2,414	5,517		20,052
CUMBERLAND	2,661	13,033	10		11	85
EAST PROVIDENCE	3,739	51,337	1,058	86,203	24	5,488
NEWPORT	1,382	12,464	4,721	645	7,357	6,971
PAWTUCKET	11,514	126,442	2,354	330,645	947	98,618
PROVIDENCE	30,972	363,195	22,825	570,647	8,056	162,400
WARWICK	93	21,116	1,315		1	
WEST WARWICK	1,401	49,244	375		153	
WOONSOCKET	1,717	78,272	1,618	98,477	77	1,582

[1] Included in figures for fuel oils.

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

SPECIAL STATISTICS.

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

Textiles.—The textile industries—comprising cotton manufactures, including cotton small wares and cotton lace; woolen and worsted goods; silk goods, including throwsters; knit goods; cordage and twine; felt goods; fur-felt hats; and dyeing and finishing textiles—constitute by far the most important group of industries in the state. This group, designated as "combined textiles," provided employment in 1919 to 76,352, or 54.7 per cent of the total average number of wage earners in Rhode Island, and contributed 58.3 per cent to the value of products of the state's manufacturing enterprises.

Rhode Island ranked second in 1919 among the states in value of products in the woolen and worsted goods industry; fifth in cotton goods; fifth in dyeing and finishing textiles; sixth in silk goods; and thirteenth in knit goods.

Cotton manufactures (Table 19).—This table shows for Rhode Island the quantity and cost of the principal materials used, and details as to quantity and value of products in cotton manufactures, comprising the cotton-goods, cotton small-wares, and the cotton-lace industries, for 1919, 1914, and 1909.

In 1919 the combined value of the products of the cotton-goods industry, as a whole, represented 23.7 per cent of the total value of products of all the manufacturing enterprises in the state.

The cost of materials increased 248.3 per cent between 1914 and 1919 and the value of products 256.9 per cent. Raw cotton constituted 53.3 per cent of the total cost of materials in 1919. Of the cotton consumed in 1919, 81.2 per cent was domestic and 18.8 per cent foreign, and, in 1914, 90.2 per cent domestic and 9.8 per cent foreign. The increase in quantity of foreign cotton used in 1919, as compared with 1914, was 119 per cent, and the increase in cost 383.5 per cent.

Yarns purchased in 1919 represented 29 per cent of the total cost of materials, an increase over 1914 of 144.4 per cent in quantity and 476 per cent in value. Cotton yarn predominated in 1919 with 99.2 per cent and in 1914 with 96.5 per cent of the total quantity of yarns purchased.

There was an increase from 1914 to 1919 of 64.8 per cent in quantity of silk yarns purchased and 159.3 per cent in cost; 283.6 per cent in quantity of cotton waste and 373.1 per cent in its cost.

The value of woven goods in 1919 represented 62.7 per cent of the total value of the products of the cotton industry, and the yarns manufactured for sale 14.1 per cent. The goods designated as sheetings, muslins, and shirtings formed 50.1 per cent of the total number of square yards of cloth woven in 1919 and 34.4 per cent of the total value of the woven goods; in 1914 and 1909, respectively, 60.4 per cent and 68 per cent of the total yardage and 51.3 per cent and 57.8 per cent of the total value.

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

	1919	1914	1909
MATERIALS.			
Total cost	$100,148,011	$28,756,309	$25,401,239
Cotton:			
Domestic—			
Pounds	113,726,386	110,357,913	101,896,174
Cost	$41,491,054	$15,354,914	$13,138,735
Foreign—			
Pounds	26,378,748	12,045,334	10,860,853
Cost	$11,887,843	$2,458,741	$2,030,857
Yarns, purchased:			
Pounds	33,609,063	13,750,170	13,892,230
Cost	$29,037,065	$5,040,896	$5,445,631
Cotton—			
Pounds	33,337,258	13,262,085	13,263,003
Cost	$27,587,729	$4,212,245	$4,051,301
Natural, artificial, and spun silk—			
Pounds	210,850	127,963	516,323
Cost	$1,340,898	$517,166	$1,278,828
Other—			
Pounds	61,855	360,122	112,904
Cost	$108,438	$311,485	$115,502
Cotton waste, purchased:			
Pounds	5,921,561	1,543,501	29,195,998
Cost	$643,418	$136,014	$1,274,989
Starch, cost	$311,327	$144,189	$116,461
Chemicals and dyestuffs, cost	$957,367	$449,136	$287,997
Fuel and rent of power, cost	$2,877,310	$1,168,986	$1,045,147
All other materials, cost	$12,942,627	$4,003,433	$2,061,422
PRODUCTS.			
Total value	$177,423,087	$49,718,837	$50,312,597
Woven goods (over 12 inches wide):			
Pounds	94,562,076	(1)	(1)
Square yards	346,789,461	351,074,515	363,133,635
Value	$111,177,315	$30,042,850	$31,523,150
Sheetings—			
Pounds	16,055,207	(1)	
Square yards	69,779,659	119,010,956	
Value	$13,977,743	$7,463,301	
Muslins—			
Pounds	15,170,052	(1)	(1)
Square yards	92,324,990	$3,621,409	246,831,368
Value	$21,050,464	$6,246,030	$18,212,259
Shirtings—			
Pounds	2,444,162	(1)	
Square yards	11,638,632	9,389,910	
Value	$3,254,360	$1,706,283	
Twills, sateens, etc.—			
Pounds	16,931,268	(1)	(1)
Square yards	74,851,993	74,415,258	53,871,689
Value	$17,125,339	$5,338,728	$4,139,572
Velvets, corduroys, and plushes—			
Pounds	3,274,998	(1)	(1)
Square yards	5,180,230	5,457,570	3,106,639
Value	$4,166,569	$2,140,780	$1,135,767
Other woven goods (over 12 inches wide):			
Pounds	40,686,389	(1)	(1)
Square yards	93,013,957	59,179,412	59,323,939
Value	$51,602,840	$7,147,728	$8,035,552
Yarns, for sale:			
Pounds	28,387,208	15,744,098	19,752,920
Value	$24,962,360	$5,679,149	$6,666,271
Thread:			
Pounds	4,936,512	2,675,562	3,715,469
Value	$10,410,983	$3,247,298	$3,516,713
Cotton waste, for sale:			
Pounds	22,859,631	23,079,944	42,158,042
Value	$3,095,472	$1,325,590	$1,984,192
All other products, value	$27,776,957	$9,423,950	$6,622,271

[1] Figures not available.

The production of sheetings showed a decrease of 41.4 per cent during the 1914–1919 period in the number of square yards but an increase of 87.3 per cent in value; and muslins, an increase of 10.4 per cent in yardage and an increase of 237 per cent in value.

Velvets, corduroys, and plushes reported a decrease of 5.1 per cent as compared with quantities produced in 1914 with an increase of 94.6 per cent in value.

Although there was a marked increase in the value of woven goods, there was a decrease of 4.5 per cent in the number of square yards produced in 1919 as compared with 1909 and a decrease of 1.2 per cent as compared with 1914. The values, however, increased 252.7 per cent in 1919 over 1909 and 270.1 per cent over 1914. The yardage decreased 3.3 per cent from 1909 to 1914 and the value 4.7 per cent.

Yarns manufactured for sale show an increase of 80.3 per cent in quantity as compared with 1914 and an increase of 339.5 per cent in value.

Woolen and worsted goods (Table 20).—The quantity and cost of the principal materials and the quantity and value of the chief products reported for the woolen and worsted goods industry in Rhode Island, for 1919, 1914, and 1909, are presented in Table 20. Because of the similarity of materials and products the two industries are combined in this table.

In the woolen and worsted goods industry, the cost of materials in 1919 increased 180.1 per cent over that of 1914 and the value of products 187.9 per cent.

Manufacturers of woolen and worsted goods in this state generally produce a large share of their own yarn for the manufacture of woven goods. Wool was the principal material used, being 37 per cent of the total cost of materials in 1919, 36.9 per cent in 1914, and 44.6 per cent in 1909.

In 1919 foreign wool exceeded the quantity purchased in 1914 by 6.5 per cent and the cost by 204.5 per cent; domestic wool purchased shows a decrease of 12.1 per cent in quantity and an increase of 168.6 per cent in cost.

Of the total wool consumption in 1919, that of domestic origin represented 65 per cent of the quantity and 63.2 per cent of the cost, the corresponding percentages for 1914 being 69.2 and 66.1, respectively, and for 1909, 73.5 and 67.9. The consumption of raw cotton decreased 60.3 per cent from 1914 to 1919, although the cost increased 26.7 per cent. During the same period there was an increase of 6 per cent in the quantity of cotton yarn purchased, with an increase of 182.6 per cent in cost; in woolen yarns, an increase of 656.3 per cent in quantity and 1,432.4 per cent in cost; in worsted yarns, a decrease of 20.9 per cent in quantity and an increase of 151.5 per cent in cost.

There was a marked increase in the use of spun silk yarn. In 1919 there was a decrease of 78 per cent in the quantity of reeled silk yarn purchased over that purchased in 1914 and an increase of 144.9 per cent in the quantity of spun silk yarn purchased.

TABLE 20.—WOOLEN AND WORSTED GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$116,914,778	$41,734,799	$51,025,376
Wool:			
Foreign (in condition purchased)—			
Pounds	20,522,224	19,274,628	20,973,869
Cost	$15,918,384	$5,227,316	$7,390,286
Domestic (in condition purchased)—			
Pounds	38,114,858	43,352,801	58,108,445
Cost	$27,357,583	$10,185,240	$15,468,437
Cotton:			
Pounds	383,396	964,914	579,139
Cost	$179,402	$141,648	$96,882
Recovered wool fiber:			
Pounds	1,458,951	1,720,113	1,546,464
Cost	$583,717	$269,621	$259,829
Wool and other waste and noils:			
Pounds	[1] 4,566,402	2,075,203	2,578,085
Cost	[1] $3,994,224	$471,491	$839,389
Tops, purchased:			
Pounds	12,083,309	10,221,069	10,406,834
Cost	$22,798,688	$6,516,989	$7,887,543
Yarns, purchased:			
Woolen—			
Pounds	892,419	117,991	273,926
Cost	$1,188,712	$77,572	$143,015
Worsted—			
Pounds	11,790,315	14,907,573	13,403,194
Cost	$28,729,209	$11,422,456	$11,987,111
Cotton—			
Pounds	2,511,128	2,369,712	5,479,701
Cost	$2,217,868	$784,833	$1,530,130
Silk—			
Pounds	15,980	72,537	27,191
Cost	$208,689	$357,430	$150,824
Spun silk—			
Pounds	93,119	38,025	18,376
Cost	$751,589	$173,149	$71,649
Chemicals and dyestuffs, cost	$2,881,815	$1,178,516	$1,536,824
Fuel and rent of power, cost	$2,122,558	$1,010,906	$906,926
All other materials, cost	$7,982,340	$3,917,632	$2,846,531
PRODUCTS.			
Total value	$175,312,358	$60,888,755	$74,600,240
All-wool woven goods, whether woolen or worsted:			
Woolen cloth for men's wear—			
Square yards	5,819,508	5,163,182	4,716,866
Value	$8,539,552	$3,106,099	$3,436,215
Woolen overcoatings, etc.			
Square yards	2,405,790		178,227
Value	$4,062,213		$120,488
Worsted coatings, etc., for men's wear—			
Square yards	29,236,485	41,538,522	30,517,666
Value	$54,365,656	$29,019,070	$24,280,705
Worsted dress goods, cashmeres, buntings, etc.—			
Square yards	12,847,406		118,069,251
Value	$22,305,519		$8,096,724
All other—			
Square yards	489,750	12,228	179,581
Value	$881,159	$7,794	$121,728
Goods woven on cotton warps, etc.:			
Worsted-filling cassimeres, jeans, etc.—			
Square yards	(2)	9,545,888	8,453,778
Value	(2)	$3,251,084	$5,030,340
Worsted-filling dress goods, etc.—			
Square yards	5,983,913		7,187,938
Value	$4,034,123		$2,275,346
All other—			
Square yards	3,040,692	5,308,816	5,140,513
Value	$2,418,099	$1,782,482	$2,303,847
Partly manufactured goods, for sale:			
Woolen yarn, all wool—			
Pounds	3,267,054	763,946	661,234
Value	$6,648,161	$391,831	$368,165
Merino yarn—			
Pounds	816,278	1,604,059	534,654
Value	$1,647,361	$1,055,346	$225,317
Worsted yarn and tops—			
Pounds	20,770,127	20,771,249	24,285,265
Value	$54,572,706	$18,652,542	$23,410,014
Noils—			
Pounds	5,003,798	3,283,790	5,199,661
Value	$3,573,859	$940,435	$1,819,094
Waste—			
Pounds	3,670,600	5,177,162	7,106,426
Value	$1,621,021	$902,003	$1,316,779
Amount received for contract work	$2,429,058	$678,674	$366,622
All other products, value [3]	$8,213,871	$1,101,395	$1,428,856

[1] Includes cotton waste, silk waste, and silk noils, not reported separately in 1914 and 1909.

[2] Included in all other goods woven on cotton warps, to avoid disclosing individual operations.

[3] Includes wool and cotton mixed woven goods, to avoid disclosing individual operations.

Establishments engaged primarily in the manufacture of woolen goods reported, in 1919, products valued at 459.5 per cent more than those reported in 1914. During the same five-year period the worsted-goods industry showed an increase of 169 per cent.

The production of all-wool woolen and worsted cloth in 1919 shows an increase of 8.7 per cent over the yardage reported in 1914 and an increase of 180.6 per cent in value. Cotton-warp woven goods increased 28.2 per cent in value of production from 1914 to 1919, although it decreased 39.2 per cent in the number of square yards produced. To avoid the possibility of disclosing individual operations, statistics representing the quantity and value of wool and cotton-mixed woven goods are not published separately.

Woolen yarn produced for sale shows an increase in quantity of 327.7 per cent from 1914 to 1919 and a corresponding increase in value of 1,596.7 per cent; merino yarn a decrease in quantity of 49.1 per cent but an increase in value of 56.1 per cent. Noils produced for sale show the considerable increase in 1919 of 52.4 per cent over the quantity reported in 1914 and 280 per cent increase in value.

Silk goods (Table 21).—This table shows the cost of the principal materials used in the silk-goods industry in Rhode Island, and the total value of products for 1919, 1914, and 1909. The total cost of materials used in this industry increased 215.7 per cent in 1919 as compared with 1914.

In 1919 raw silk represented 39 per cent of the total cost of materials and spun silk 18.5 per cent; in 1914 these materials represented 34.7 per cent and 6.8 per cent, respectively. From 1914 to 1919, there was a decrease of 57.2 per cent in the total quantity of purchased cotton yarn, but an increase of 81.5 per cent in the cost. In 1919, 51 per cent more raw silk and 299.7 per cent more spun silk was used than in 1914, and 57.2 per cent less of cotton yarn.

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

	1919	1914	1909
MATERIALS.			
Total cost	$16,814,873	$5,326,594	$3,187,085
Silk:			
Raw—			
Pounds	808,948	535,613	483,330
Cost	$6,561,401	$1,850,707	$2,173,458
Spun—			
Pounds	521,040	130,342	73,816
Cost	$3,117,169	$363,934	$175,113
Yarns purchased:			
Cotton—			
Pounds	783,383	1,830,922	1,421,229
Cost	$907,942	$500,348	$404,141
Fuel and rent of power, cost	$282,151	$55,438	$36,091
All other materials, cost	$5,946,210	$2,556,167	$398,882
PRODUCTS.			
Total value	$27,219,238	$7,664,472	$4,584,431

The total value of silk goods manufactured in the state in 1919 shows an increase of 255.1 per cent over the value reported in 1914. The principal product was broad silk, but detailed statistics of products can not be shown without the possibility of disclosing individual operations.

Knit goods (Table 22).—This table shows in detail the quantity and cost of the principal materials used in the knit-goods industry in Rhode Island, and the quantity and value of the various products for 1919, 1914, and 1909.

The total cost of materials in 1919, as compared with 1914, increased 207.3 per cent and the value of products 184.8 per cent.

Cotton yarn, the principal material used in this industry, constituted in 1919, 84.3 per cent of the total number of pounds of yarns purchased, and in 1914, 80.2 per cent; and 51.8 per cent and 41.9 per cent, respectively, of the total cost of materials.

Worsted yarn showed a slight decrease, 8.5 per cent, in quantity over that of 1914, and merino, an increase of 118.4 per cent.

In 1919, as compared with 1914, there was a decrease of 13 per cent in the number of dozen pairs of hose, and of half hose a decrease of 12.6 per cent; the values, on the other hand, show an increase for hose of 75.7 per cent and for half hose 138.1 per cent.

In knitted underwear there was an increase in production, combination, or union suits, showing a gain of 74.3 per cent in 1919 over that for 1914.

TABLE 22.—KNIT GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost	$7,389,116	$2,404,602	$2,444,457
Yarns, not made in mill:			
Cotton—			
Pounds	[1] 4,747,455	[1] 3,472,110	4,609,892
Cost	[1] $3,824,966	[1] $1,008,333	$1,220,424
Worsted—			
Pounds	609,028	665,977	597,037
Cost	$1,592,792	$667,144	$686,017
Merino—			
Pounds	187,761	85,966	314,648
Cost	$423,770	$57,816	$146,544
Silk and spun silk—			
Pounds	84,998	[2] 104,946	[2] 22,900
Cost	$651,422	[2] $402,979	[2] $84,955
Chemicals and dyestuffs, cost	$53,771	$18,794	$32,160
Fuel and rent of power, cost	$58,003	$43,623	$29,795
All other materials, cost	$784,392	$205,913	$244,562
PRODUCTS.			
Total value	$11,936,313	$4,191,841	$3,865,792
Hose:			
Dozen pairs	277,076	318,499	[3] 428,551
Value	$2,389,984	$1,360,549	[3] $1,024,802
Half hose:			
Dozen pairs	228,500	261,585	125,643
Value	$1,080,269	$453,648	$220,280
Shirts and drawers:			
Dozens	181,693	145,275	199,997
Value	$1,050,359	$497,759	$830,977
Union suits:			
Dozens	146,337	83,975	111,190
Value	$1,492,555	$697,450	$554,201
Jersey cloth and stockinette:			
Square yards	12,269,191	455,911	505,889
Value	$4,773,539	$277,221	$206,609
All other products, value	$1,149,607	$905,214	$1,028,923

[1] Includes mercerized cotton.
[2] Includes artificial silk yarn.
[3] Includes silk hose and half hose.

The great demand for knitted cloth in 1919 is evidenced by an increase of 2,591.1 per cent in the number of square yards produced, as compared with 1914, and an increase in value of 1,621.9 per cent. This cloth, in 1919, represented 40 per cent of the total value of products of the knit-goods industry in the state, and but 6.6 per cent in 1914.

Machinery used in textile mills (Table 23).—The number of producing spindles reported in 1919, in the four principal subdivisions of the textile industry shows an increase of 8.3 per cent over 1914.

In 1919, 80.6 per cent of the total number of producing spindles was reported by the cotton-goods industry, an increase of 6.5 per cent over 1914; woolen and worsted goods, with 17.8 per cent of the total number, increased 12.2 per cent; silk goods, with 1.5 per cent of the total, increased 147.4 per cent; knit goods, on the other hand, showed a decrease of 64.4 per cent during this period.

The total number of active looms shows a slight increase, 1.9 per cent, from 1914 to 1919, but the silk-goods industry shows an increase of 98 per cent.

The woolen and worsted goods industry in 1919, as compared with 1914, shows an increase of 32.7 per cent in the number of woolen cards (sets), but a decrease of 26.2 per cent in the number of combing machines.

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

MACHINE.	Census year.	Total.	Cotton goods, including cotton small wares.	Woolen and worsted goods.	Knit goods.	Silk goods, including throwsters.
Producing spindles	1919	3,171,480	2,557,787	565,790	1,440	46,463
	1914	2,927,949	2,400,916	504,213	4,040	18,780
	1909	2,831,816	2,363,689	459,127	1,280	7,720
Looms	1919	[1] 68,301	[2] 52,826	9,355	.....	[3] 6,120
	1914	66,972	53,076	10,251	.....	3,045
	1909	81,093	69,330	9,252	.....	2,511
Knitting machines	1919	[4] 2,024	.....	.....	[4] 2,024	.....
	1914	1,864	.....	.....	1,864	.....
	1909	1,669	.....	.....	1,669	.....
Woolen cards (sets)	1919	275	.....	272	3	.....
	1914	218	.....	205	13	.....
	1909	309	.....	305	4	.....
Combing machines	1919	385	.....	385	.....	.....
	1914	522	.....	522	.....	.....
	1909	461	.....	461	.....	.....

[1] Includes 1,906 webbing and ribbon looms and 90 idle looms.
[2] Includes 1,906 webbing and ribbon looms, not reported separately in 1914.
[3] Includes 90 looms idle entire year.
[4] Includes 212 machines idle entire year.

Printing and publishing (Table 24).—This table gives statistics as to the number and aggregate circulation per issue of all newspapers and periodicals published in Rhode Island in 1919, 1914, and 1909.

The increase in the circulation of all publications for the five-year period from 1914 to 1919 was 10.9 per cent. For the decade the increase was 45.4 per cent.

Of the daily papers, 9, with a circulation of 153,795, were published in the afternoon. Their increase in circulation for the five-year period from 1914 to 1919 was 22.6 per cent, and for the decade, 32.1 per cent.

The decrease in the circulation of weekly papers is due to the disappearance of a number of English weeklies, to the discontinuance of a German weekly of considerable circulation, and to the diminished circulation of other foreign weeklies.

Of the publications reported in 1919, 7, with a circulation of 44,600, were printed in foreign languages—a decrease of 8,900, or 16.6 per cent, since 1914. The number of these publications was the same at each census, but the number printed in each language was different. A German weekly was discontinued but the number was made good by a new Italian weekly. In French there were 1 afternoon daily, 2 weeklies, and 1 monthly publication; and in Italian, 3 weeklies.

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

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total	43	53	47	369,915	333,696	254,493
Daily and Sunday [1]	15	14	14	255,498	194,316	191,670
Semiweekly	3	3	3	3,567	4,447	5,810
Weekly	16	22	21	25,450	48,928	34,013
Monthly [2]	9	14	9	85,400	86,005	23,000

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

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

TABLE 25.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1914-1919.
	1919	1914	
Number of establishments	70	66	.....
Persons engaged	1,272	1,402	−9.3
Proprietors and firm members	87	70	.....
Salaried employees	150	140	7.1
Wage earners (average number)	1,035	1,192	−13.2
Primary horsepower	2,257	1,829	23.4
Capital	$1,181,827	$684,194	72.7
Salaries and wages	1,006,708	679,735	48.1
Salaries	201,405	135,280	48.9
Wages	805,303	544,455	47.9
Paid for contract work	4,040	1,974	104.7
Rent and taxes	44,282	34,436	28.6
Cost of materials	457,898	230,604	98.6
Amount received for work done	2,154,652	1,260,942	70.9

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

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

TABLE 26.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments	7
Persons engaged	174
Proprietors and firm members	7
Salaried employees	46
Wage earners (average number)	121
Primary horsepower	132
Capital	$226,928
Salaries and wages	155,867
Salaries	58,883
Wages	96,984
Paid for contract work	168
Rent and taxes	5,852
Cost of materials	61,238
Amount received for work done	388,639

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

TABLE 27.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1909-1919.
	1919	1909	
Number of establishments	6	11	.....
Persons engaged	9	26	.....
Proprietors and firm members	6	12	.....
Wage earners (average number)	3	14	.....
Primary horsepower	230	410	−43.9
Capital	$9,935	$19,500	−49.1
Wages	2,890	7,191	−59.8
Rent and taxes	83	77	7.8
Cost of materials	646	807	−20.0
Amount received for work done	5,557	15,290	−63.7

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

GENERAL TABLES.

Table 28 gives, for 1919, 1914, and 1909, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products, for selected industries in the state and in Pawtucket and Providence, and for the cities having from 10,000 to 50,000 inhabitants, for which comparable figures are available, similar data for all industries combined.

Table 29 presents, for 1919, in the state as a whole and in Pawtucket and Providence, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and the statistics for all industries combined for each of the nine cities in the state having from 10,000 to 50,000 inhabitants.

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

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

INDUSTRY AND CITY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands of dollars.		
All industries	1919	2,466	139,665	321,016	137,495	415,989	747,323
	1914	2,190	113,425	269,854	59,366	162,425	279,546
	1909	1,951	113,538	226,740	55,234	158,192	280,344
Automobile bodies and parts	1919	18	179	280	193	204	685
	1914	5	15	6	8	18	45
Boxes, paper and other, not elsewhere specified.	1919	13	456	179	291	286	812
	1914	12	499	144	172	298	626
	1909	9	496	128	158	169	499
Brass and bronze products	1919	18	426	1,250	466	1,853	2,976
	1914	19	123	149	76	210	577
	1909	18	225	350	118	549	828
Bread and other bakery products.	1919	248	1,166	1,155	1,315	6,138	9,883
	1914	204	1,112	739	693	2,326	4,017
	1909	187	1,055	757	659	2,471	3,937
Confectionery and ice cream	1919	87	292	1,050	277	1,461	2,368
	1914	66	394	528	192	857	1,463
Copper, tin, and sheet-iron products.[1]	1919	48	437	246	465	933	1,869
	1914	62	549	221	341	666	1,304
	1909	41	377	179	218	452	932
Cordage and twine	1919	5	125	589	92	449	645
	1914	5	134	398	52	179	279
	1909	5	126	402	45	169	247
Cotton goods, including cotton small wares.[2]	1919	132	36,336	120,895	33,218	100,148	177,423
	1914	102	29,483	110,289	13,785	28,756	49,719
	1909	106	28,786	95,278	11,797	25,401	50,313
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	67	9,319	28,920	9,357	20,927	42,258
	1914	47	7,928	25,539	3,966	8,764	16,301
	1909	45	7,792	21,179	3,616	5,319	13,956
Dyestuffs and extracts—natural.	1919	14	66	686	75	666	1,024
	1914	7	91	729	52	512	793
	1909	10	87	689	82	632	928
Electrical machinery, apparatus, and supplies.	1919	13	1,513	3,087	1,346	3,127	7,567
	1914	13	1,581	3,638	734	3,793	5,468
	1909	12	1,601	2,837	678	4,595	6,410
Electroplating	1919	23	221	166	199	614	1,044
	1914	21	161	136	89	201	402
	1909	19	156	155	81	158	323
Fancy articles, not elsewhere specified.	1919	15	348	203	275	671	1,317
	1914	9	117	63	58	98	233
	1909	3	11	7	4	14	33
Flour-mill and gristmill products.	1919	25	29	1,253	34	978	1,133
	1914	20	74	1,062	29	690	798
	1909	18	39	1,046	22	790	886
Foundry and machine-shop products.[3]	1919	274	16,322	24,129	19,624	16,217	57,905
	1914	182	10,728	13,888	6,933	7,110	19,373
	1909	141	10,937	11,033	6,900	8,014	20,612
Gas, illuminating and heating.	1919	4	670	2,335	834	2,073	4,478
	1914	6	605	1,731	477	884	2,462
	1909	8	412	719	303	530	1,833
Gold and silver, reducing and refining, not from the ore.	1919	17	60	160	70	3,034	3,409
	1914	15	73	247	52	2,960	3,290
	1909	15	82	270	57	4,171	4,442
Grease and tallow, not including lubricating greases.	1919	4	117	421	99	746	1,165
	1914	4	114	312	80	318	493
	1909	5	125	317	79	664	966
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1919	7	920	1,870	985	1,117	2,968
	1914	5	645	1,298	338	389	988
	1909	5	770	1,055	430	614	1,341
Jewelry	1919	288	10,579	4,304	9,352	26,976	48,596
	1914	291	8,778	4,416	4,770	11,209	21,522
	1909	296	9,511	2,425	4,761	9,788	20,685
Jewelry and instrument cases.	1919	7	359	175	233	351	831
	1914	4	281	83	116	155	318
Knit goods	1919	26	1,983	1,261	1,561	7,389	11,936
	1914	23	2,030	1,802	887	2,405	4,192
	1909	17	1,774	1,626	635	2,444	3,866
Liquors, malt	1919	5	398	3,522	544	1,020	5,933
	1914	8	511	3,266	472	1,599	3,918
	1909	9	450	2,055	384	1,188	3,579
Lumber and timber products[4]	1919	63	706	3,918	753	1,487	2,977
	1914	53	779	3,043	490	1,086	2,092
	1909	57	748	2,828	437	1,064	1,907
Marble and stone work	1919	44	321	1,650	403	391	1,174
	1914	46	658	1,841	453	286	955
	1909	46	660	1,754	451	249	1,033
Mineral and soda waters	1919	42	134	171	140	368	769
	1914	46	138	110	72	130	314
	1909	37	107	94	56	110	259
Paper goods, not elsewhere specified.[5]	1919	6	263	1,213	240	856	1,664
	1914	10	329	1,424	173	941	1,491
	1909	10	302	984	140	902	1,353
Printing and publishing[6]	1919	155	1,650	2,140	1,815	2,218	7,326
	1914	162	1,515	2,587	1,044	1,162	4,293
	1909	147	1,454	1,944	956	1,064	3,780
Rubber tires, tubes, and rubber goods, not elsewhere specified.	1919	6	2,117	5,803	1,947	7,599	15,887
	1914	6	1,541	3,350	821	4,062	6,089
	1909	5	774	1,075	320	2,075	3,143
Shipbuilding, wooden, including boat building.	1919	14	253	562	351	296	864
	1914	13	86	363	61	43	159
Silk goods	1919	30	4,150	7,224	4,161	16,815	27,219
	1914	12	2,325	3,509	1,192	5,327	7,664
	1909	13	1,685	2,318	788	3,188	4,584
Slaughtering and meat packing.[7]	1919	37	332	828	342	7,594	8,678
	1914	23	265	490	155	4,989	5,470
	1909	21	214	428	122	2,794	3,156
Soap	1919	8	117	235	99	1,256	1,944
	1914	12	167	461	85	929	1,539
	1909	9	168	402	70	939	1,248
Suspenders, garters, and elastic woven goods.	1919	10	892	1,722	754	2,569	4,261
	1914	6	621	1,528	302	734	1,222
	1909	6	560	532	279	792	1,387
Tobacco, cigars and cigarettes	1919	48	177	4	165	217	583
	1914	43	228	.....	140	138	412
	1909	64	267	6	179	195	534
Tools, not elsewhere specified.	1919	37	521	566	556	388	1,509
	1914	19	199	177	123	53	275
	1909	17	144	96	82	54	217
Wood, turned and carved	1919	10	375	469	341	453	1,008
	1914	10	175	410	93	88	219
	1909	16	219	526	92	127	276
Woolen and worsted goods	1919	88	24,393	58,918	23,634	116,915	175,312
	1914	80	22,745	50,206	11,367	41,735	60,889
	1909	88	24,924	43,715	11,538	51,025	74,600
All other industries	1919	510	20,943	37,457	20,889	59,189	107,923
	1914	519	15,628	20,671	8,423	26,325	47,882
	1909	434	16,308	27,531	8,544	25,346	45,852

[1] Includes "stamped ware, not elsewhere specified"; and "tinware, not elsewhere specified."
[2] Includes "cotton lace."
[3] Includes "automobile repairing"; "gas and water meters"; "hardware"; "iron and steel, tempering, welding, etc."; "machine tools"; "plumbers' supplies, not elsewhere specified"; "steam fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts," in all years; and "engines, steam, gas, and water" in 1914 and 1909.
[4] Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills," in all years; and "window and door screens" in 1914 and 1909.
[5] Includes "cardboard, not made in paper mills," in 1914 and 1909.
[6] Includes "bookbinding and blank-book making"; and "engraving, steel and copper plate, including plate printing."
[7] Includes "sausage, not made in slaughtering and meat-packing establishments."

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

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

INDUSTRY AND CITY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands of dollars.		
PAWTUCKET All industries.	1919	284	24,446	56,681	23,838	77,473	135,518
	1914	235	16,713	36,148	8,564	24,904	42,029
	1909	217	15,275	29,510	7,255	21,540	37,696
Brass and bronze products	1919	5	102	256	104	320	495
	1914	3	26	39	14	46	91
Bread and other bakery products.	1919	22	143	75	147	654	1,001
	1914	20	116	63	72	234	386
	1909	16	95	64	53	252	365
Cotton goods, including cotton small wares [1].	1919	32	12,633	26,975	11,459	38,202	63,002
	1914	26	7,396	17,085	3,443	7,677	13,461
	1909	23	7,045	16,524	3,039	7,567	14,338
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	16	1,574	3,588	1,746	3,618	7,143
	1914	13	1,308	3,181	677	1,693	2,902
Foundry and machine-shop products[2].	1919	31	2,128	2,599	2,574	2,418	7,648
	1914	21	1,671	1,961	1,022	933	2,815
	1909	20	1,243	1,191	757	841	2,250
Jewelry	1919	7	209	94	201	303	854
	1914	9	280	310	177	257	557
	1909	7	264	75	84	199	385
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	7	155	500	184	429	759
	1914	7	278	600	183	426	798
	1909	8	258	567	161	469	723
Printing and publishing [3]	1919	17	266	252	251	329	1,034
	1914	12	147	202	113	130	436
	1909	12	123	186	89	104	388
All other industries	1919	147	7,236	22,342	7,172	31,200	52,982
	1914	124	5,491	12,707	2,863	13,508	20,583
	1909	131	6,247	10,903	3,072	12,108	19,247
PROVIDENCE All industries.	1919	1,274	53,372	85,016	53,178	140,327	267,629
	1914	1,207	44,176	65,041	24,482	63,970	115,335
	1909	1,080	46,381	56,410	24,449	64,770	120,241
Boxes, paper and other, not elsewhere specified.	1919	7	344	134	199	194	557
	1914	7	392	123	136	237	499
	1909	6	382	123	120	121	374
Brass and bronze products	1919	7	54	57	67	249	594
	1914	13	88	91	57	158	471
	1909	11	121	98	70	345	477
Bread and other bakery products.	1919	121	630	809	720	3,549	5,916
	1914	96	651	537	404	1,388	2,437
	1909	87	598	564	392	1,473	2,381
PROVIDENCE—Contd.							
Confectionery and ice cream	1919	31	195	576	179	983	1,598
	1914	22	195	264	91	528	791
Copper, tin, and sheet-iron products.[4]	1919	29	355	202	368	805	1,538
	1914	39	404	205	252	532	990
	1909	27	319	166	176	395	784
Dyeing and finishing textiles, exclusive of that done in textile mills.	1919	11	1,930	7,767	2,013	7,458	10,988
	1914	7	1,540	5,251	791	2,314	3,641
	1909	8	1,507	5,222	706	1,063	2,521
Electrical machinery, apparatus, and supplies.	1919	9	953	1,620	848	1,287	3,138
	1914	8	576	578	304	540	1,088
	1909	6	378	564	186	373	879
Foundry and machine-shop products.[5]	1919	117	9,821	14,384	11,983	8,260	33,292
	1914	98	6,549	8,113	4,367	3,796	11,192
	1909	85	7,708	7,208	4,966	5,235	14,485
Gold and silver, reducing and refining, not from the ore.	1919	17	60	160	70	3,034	3,400
	1914	15	73	247	52	2,960	3,290
	1909	15	82	270	57	4,171	4,442
Jewelry	1919	273	10,232	4,191	9,049	26,557	47,448
	1914	277	8,479	4,089	4,585	10,943	20,934
	1909	282	9,176	2,340	4,651	9,534	20,166
Knit goods	1919	8	779	337	603	1,672	3,069
	1914	7	816	648	384	785	1,566
Lumber, planing-mill products, not including planing mills connected with sawmills.[6]	1919	10	264	1,290	267	447	1,013
	1914	13	256	783	166	321	653
	1909	17	348	1,081	203	430	840
Printing and publishing [7]	1919	91	1,146	1,683	1,334	1,684	5,464
	1914	109	1,150	2,165	795	908	3,337
	1909	90	1,104	1,920	735	828	2,860
Sausage, not made in slaughtering and meat-packing establishments.	1919	10	59	251	75	1,529	1,738
	1914	8	68	122	46	776	903
	1909	6	25	90	17	87	192
Tools, not elsewhere specified.	1919	28	309	245	322	305	832
	1914	15	158	114	100	41	227
	1909	14	116	79	65	39	173
Woolen and worsted goods [8]	1919	19	9,139	21,764	8,185	33,698	55,335
	1914	18	8,792	18,497	4,537	13,951	20,847
	1909	20	10,614	17,936	4,878	20,439	29,926
All other industries	1919	486	17,102	29,546	16,896	48,616	91,700
	1914	455	13,989	23,214	7,415	23,792	42,469
	1909	406	13,903	18,749	7,227	20,237	39,741

[1] Includes "cotton lace."
[2] Includes "hardware," "machine tools," and "textile machinery and parts" in all years, and "automobile repairing" in 1919.
[3] Includes "bookbinding and blank-book making."
[4] Includes "stamped ware, not elsewhere specified", and "tinware, not elsewhere specified."
[5] Includes "automobile repairing"; "hardware;" "iron and steel, tempering, welding, etc."; "machine tools"; "plumber's supplies, not elsewhere specified;" "steam fittings and steam and hot-water heating apparatus;" "structural iron-work, not made in steel works or rolling mills;" and "textile machinery and parts" in all years; "engines, steam, gas, and water," in 1914, and "gas and water meters" in 1919 and 1914.
[6] Includes "boxes, wooden packing, except cigar boxes," in all years and "window and door screens and weather strips" in 1914 and 1909.
[7] Includes "bookbinding and blank-book making," and "engraving, steel and copper plate, including plate printing."
[8] Includes "hats, wool-felt" in 1914.

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

CENTRAL FALLS	1919	67	3,922	8,770	4,082	11,999	22,628
	1914	45	3,077	6,037	1,486	3,784	6,748
	1909	43	2,475	4,992	1,021	3,381	5,471
CRANSTON	1919	55	2,657	6,651	2,816	5,754	13,694
	1914	39	2,218	5,473	1,361	3,770	6,706
	1909	28	1,711	3,707	1,003	2,887	5,625
CUMBERLAND	1919	26	2,918	10,146	3,000	7,338	15,999
	1914	23	2,958	10,156	1,558	3,483	5,966
	1909	29	5,359	15,112	2,231	4,618	9,827
EAST PROVIDENCE	1919	37	2,288	9,613	2,526	12,094	17,591
	1914	38	1,906	9,424	1,003	4,908	7,000
	1909	26	2,041	7,123	932	5,061	7,146
NEWPORT	1919	87	1,032	1,892	1,067	1,689	4,167
	1914	89	893	1,339	632	860	2,299
	1909	54	726	809	480	570	1,379
WARWICK [1]	1919	26	1,379	5,845	1,434	3,782	7,045
	1914	19	932	2,887	511	774	1,578
	1909	49	6,471	22,041	2,803	5,394	10,589
WEST WARWICK [2]	1919	39	4,919	17,725	4,595	13,278	22,164
	1914	39	5,507	21,689	2,618	6,159	10,078
WOONSOCKET	1919	190	14,387	34,827	14,193	60,907	93,547
	1914	157	10,952	35,707	5,303	17,056	28,115
	1909	130	10,703	23,571	4,908	16,762	28,219

[1] Totals for 1914 as published at that census included those for West Warwick.
[2] In 1914 the totals for West Warwick were not shown separately but were included with those for Warwick.

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.															
1	All industries	2,466	156,012	2,124	4,474	5,243	4,506	139,665	De 152,036	Fe 126,903	(3)	(3)	(3)	(3)	(3)	Dollars. 594,337,448
2	Artificial stone products	12	50	18	4	1	.....	27	Je [4] 33	Ja [4] 16	35	35	.....	.....	.....	75,833
3	Automobile bodies and parts	18	225	17	15	3	11	179	De 203	Fe 151	208	196	12	.....	.....	486,787
4	Automobile repairing	99	493	104	14	7	19	349	Je 381	Ja 319	341	340	1	.....	.....	551,167
5	Awnings, tents, and sails	5	48	6	4	5	3	30	Je 53	De 13	25	11	14	.....	.....	86,167
6	Belting, leather	6	38	1	7	.....	5	25	De 28	Fe [4] 23	28	28	.....	.....	.....	176,653
7	Bookbinding and blank-book making	6	37	5	5	4	2	21	Je 31	Ap [4] 18	23	14	9	.....	.....	75,468
8	Boot and shoe findings	9	121	6	8	10	6	91	De 102	Jy 82	100	42	56	2	.....	216,995
9	Boxes, paper and other, not elsewhere specified.	13	499	9	15	5	14	456	.....	.....	524	121	334	23	46	556,837
10	Set-up paper boxes	9	455	5	14	4	14	418	De 481	Ap 345	481	106	316	18	41	491,369
11	Shipping containers, cans and tubes.	4	44	4	1	1	.....	38	Oc [4] 40	Ja 35	43	15	18	5	5	65,468
12	Boxes, wooden packing, except cigar boxes.	13	275	10	10	3	5	247	De 275	Mh 219	275	274	.....	1	.....	778,206
13	Brass and bronze products	18	481	18	15	11	11	426	Fe 500	Jy [4] 384	397	371	19	4	3	1,666,978
14	Bread and other bakery products	248	1,760	303	22	161	108	1,166	Je 1,207	Mh 1,125	1,224	1,095	119	7	3	2,761,915
15	Brooms, from broom corn	7	20	7	.....	.....	.....	13	Oc [4] 14	Ja [4] 12	14	14	.....	.....	.....	19,692
16	Brushes	9	97	11	4	.....	3	79	De 89	Ja [4] 73	89	31	47	4	7	97,984
17	Butter	7	11	4	1	.....	1	5	My [4] 6	Ap 3	5	4	1	.....	.....	124,247
18	Buttons	3	40	3	2	2	.....	33	My 39	No 28	29	18	10	.....	1	89,363
19	Card cutting and designing	5	133	4	5	2	5	117	De 136	Ja 94	136	67	64	2	3	127,227
20	Carriage and wagon materials	3	10	4	.....	.....	.....	6	(5) 6	(5) 6	6	6	.....	.....	.....	32,675
21	Carriages and wagons, including repairs.	25	103	25	6	.....	4	68	.....	.....	56	56	.....	.....	.....	133,073
22	Carriages and wagons	9	53	7	4	.....	3	39	Mh [4] 47	De 31	32	32	.....	.....	.....	69,484
23	Repair work only	16	50	18	2	.....	1	29	Ap 33	De 25	24	24	.....	.....	.....	63,589
24	Cars and general shop construction and repairs by electric-railroad companies.	4	249	.....	3	10	1	235	Ap 247	Jy [4] 203	239	239	.....	.....	.....	758,637
25	Cars and general shop construction and repairs by steam-railroad companies.	4	354	.....	1	1	1	351	My 368	Oc 326	330	330	.....	.....	.....	194,138
26	Chemicals	4	299	.....	9	1	2	287	Au 319	Ja 256	298	272	26	.....	.....	1,297,118
27	Cleansing and polishing preparations	6	9	5	.....	.....	.....	4	.....	.....	4	3	.....	1	.....	31,239
28	Cleansing preparations	3	7	3	.....	.....	.....	4	(5) 4	(5) 4	4	3	.....	1	.....	2,425
29	Metal polish	3	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28,814
30	Clothing, women's	7	104	8	3	.....	2	91	.....	.....	89	6	81	.....	2	99,060
31	Shirt waists and dresses, except house dresses.	4	96	4	3	.....	2	87	Je 107	Ja 61	85	6	77	.....	2	85,160
32	All other	3	8	4	.....	.....	.....	4	(5) 4	(5) 4	4	.....	4	.....	.....	13,900
33	Confectionery and ice cream	87	439	103	15	8	21	292	.....	.....	322	195	116	4	7	1,188,192
34	Confectionery	21	177	27	4	3	8	135	De 167	Fe [4] 116	170	62	101	.....	7	355,023
35	Ice cream	66	262	76	11	5	13	157	Jy 233	Ja 105	152	133	15	4	.....	833,169
36	Cooperage	7	18	6	.....	.....	.....	12	Oc 13	Ja 11	13	11	.....	2	.....	35,034
37	Copper, tin, and sheet-iron work	44	323	44	28	8	13	230	De 259	Je 211	261	258	1	2	.....	584,703
38	Cordage and twine	5	140	3	6	2	4	125	De 148	Mh 104	148	77	65	3	3	341,804
39	Cotton goods	74	32,561	6	524	262	364	31,405	De 32,337	Fe 30,378	36,729	19,578	14,998	1,109	1,044	120,067,679
40	Cotton lace	10	1,010	1	34	12	22	941	De 1,124	Mh 801	1,165	582	468	35	80	4,712,243
41	Cotton small wares	48	4,281	23	129	54	85	3,990	De 4,366	Ap 3,637	4,360	1,585	2,490	81	204	13,237,086
42	Dental goods	5	15	6	.....	.....	.....	9	Ap 13	Ja [4] 8	9	7	2	.....	.....	9,813
43	Druggists' preparations	8	36	7	3	8	3	15	Ap 20	Mh 11	18	14	4	.....	.....	97,630
44	Dyeing and finishing textiles, exclusive of that done in textile mills.	67	10,507	25	305	510	348	9,319	De 10,440	Mh 8,214	10,472	8,122	2,131	142	77	39,960,365
45	Dyestuffs and extracts—natural	14	103	13	7	11	6	66	De 81	Fe [4] 57	78	77	1	.....	.....	784,674
46	Electrical machinery, apparatus, and supplies.	13	1,842	7	74	139	109	1,513	Ja 1,695	Jy 1,348	1,566	732	818	9	7	5,049,062
47	Electroplating	23	275	27	10	5	12	221	No 243	Ja 199	248	170	46	29	3	418,735
48	Enameling	12	84	17	.....	1	1	65	Mh 77	Ja 55	68	26	42	.....	.....	22,478
49	Engraving and diesinking	30	184	36	4	.....	5	139	De 167	Ja [4] 110	159	125	31	3	.....	170,690
50	Engraving, steel and copper plate, including plate printing.	8	102	11	5	1	2	83	De 116	Fe 63	111	70	40	1	.....	94,886
51	Fancy articles, not elsewhere specified	15	444	12	21	36	27	348	.....	.....	392	196	175	7	14	845,986
52	Celluloid novelties	7	194	6	12	7	8	161	Mh 207	Au 134	166	82	66	4	14	335,716
53	All other	8	250	6	9	29	19	187	Oc [4] 242	Fe 135	226	114	109	3	.....	510,270
54	Flavoring extracts	4	16	7	1	1	1	6	Jy [4] 7	Ja [4] 5	5	3	1	.....	1	25,477
55	Flour-mill and gristmill products	25	66	21	6	2	8	29	Ja 31	Jy 26	30	30	.....	.....	.....	830,185
56	Food preparations, not elsewhere specified.	21	170	21	11	15	7	116	.....	.....	124	75	45	4	.....	922,043
57	Macaroni, vermicelli, and noodles	12	52	12	4	.....	1	35	Au 38	Ja [4] 32	36	33	.....	3	.....	144,146
58	All other	9	118	9	7	15	6	81	Je 92	Mh 71	88	42	45	1	.....	777,897
59	Foundry and machine-shop products.	81	4,790	60	148	244	195	4,143	.....	.....	4,463	4,314	97	47	5	17,286,129
60	Boiler shops	4	118	4	7	3	.....	104	Je 126	Jy 94	106	106	.....	.....	.....	353,363
61	Foundries	8	1,079	6	29	101	50	893	De 1,027	Au 826	1,020	978	40	2	.....	4,656,679
62	Machine shops	65	3,176	49	83	118	133	2,793	Ja 3,372	My 2,504	2,926	2,819	57	45	5	11,194,361
63	Machine shop and foundry combined.	4	417	1	29	22	12	353	De 411	Mh 304	411	411	.....	.....	.....	1,081,726
64	Furniture	13	117	12	8	2	5	90	.....	.....	97	89	7	1	.....	282,540
65	Wood, other than rattan and willow.	7	62	8	1	1	2	50	Je [4] 58	Fe 35	53	46	7	.....	.....	176,696
66	Store and office fixtures	6	55	4	7	1	3	40	Je 45	Ja 31	44	43	.....	1	.....	105,844

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

COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.										POWER.							
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.							
											Owned.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.	
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
18,563,184	12,450,797	137,495,377	4,181,783	1,724,458	35,755,093	402,205,892	13,783,311	747,322,858	331,333,655	321,016	147,358	41,922	3,188	29,263	99,285	65,956	1
4,990	520	32,779	.....	666	644	34,322	1,119	100,507	65,066	27	.....	.....	2	.....	25	.....	2
39,806	13,061	192,727	2,332	13,496	14,413	194,396	9,463	684,605	480,746	280	.....	.....	5	.....	275	.....	3
25,257	25,630	390,368	100	40,542	13,368	317,050	19,845	1,081,085	744,190	342	50	.....	31	.....	261	.....	4
10,000	4,575	29,121	.....	2,455	5,547	118,262	1,139	192,819	73,418	16	.....	.....	.....	.....	16	.....	5
32,250	5,192	33,518	.....	3,775	2,060	206,602	2,380	315,131	106,149	96	75	.....	4	.....	17	.....	6
6,293	8,394	21,320	.....	27,092	788	33,141	330	104,004	70,533	12	.....	.....	.....	.....	12	.....	7
23,902	15,884	70,591	23,556	3,061	14,059	141,943	4,613	381,475	234,919	44	.....	.....	2	.....	42	.....	8
39,119	15,088	290,558	1,591	6,573	14,959	277,653	8,809	811,934	525,472	179	10	.....	.....	.....	169	.....	9
35,919	14,580	262,317	1,591	6,573	14,192	241,497	6,964	713,210	464,749	150	.....	.....	.....	.....	150	.....	10
3,200	508	28,241	.....	.....	767	36,156	1,845	98,724	60,723	29	10	.....	.....	.....	19	.....	11
34,596	7,012	242,932	.....	7,026	26,912	586,970	4,940	1,022,016	430,106	957	810	50	.....	.....	97	7	12
53,399	34,208	465,957	.....	6,177	77,737	1,810,888	42,037	2,975,561	1,122,636	1,250	380	.....	120	.....	750	350	13
65,944	336,761	1,314,570	3,004	94,897	65,012	5,943,188	194,851	9,883,391	3,745,352	1,155	375	.....	4	.....	776	200	14
.....	.....	20,540	.....	1,192	312	59,458	1,016	101,000	40,526	24	.....	.....	.....	.....	24	.....	15
8,670	2,429	51,391	10,101	3,441	1,027	107,218	1,906	227,949	118,825	82	.....	.....	5	40	37	.....	16
1,500	600	5,036	.....	1,589	404	115,320	811	130,223	14,092	40	23	.....	.....	.....	17	.....	17
4,160	2,850	16,855	773	4,816	566	42,760	5,548	103,876	55,568	32	.....	.....	.....	.....	32	.....	18
33,425	12,639	75,494	2,162	6,336	7,427	147,885	1,451	332,141	182,805	16	.....	.....	.....	.....	16	.....	19
.....	.....	7,538	.....	.....	174	6,497	639	20,305	13,169	19	.....	.....	8	.....	11	.....	20
9,428	2,387	70,693	175	5,280	2,224	54,904	4,843	187,919	128,172	211	24	.....	43	38	106	.....	21
7,020	1,871	41,461	175	4,207	848	31,933	2,528	106,598	72,137	121	24	.....	13	38	46	.....	22
2,408	516	29,232	.....	1,073	1,376	22,971	2,315	81,321	56,035	90	.....	.....	30	.....	60	.....	23
10,600	12,978	322,769	.....	.....	7,581	341,052	9,060	704,040	353,928	420	50	.....	.....	.....	370	8	24
2,880	2,606	516,064	.....	.....	232	129,482	60,487	712,579	522,610	445	60	.....	.....	.....	385	.....	25
35,673	4,779	335,240	.....	1,335	21,823	851,605	93,815	1,399,346	453,926	886	295	.....	.....	.....	591	167	26
.....	.....	3,026	437	355	145	10,663	199	23,169	12,307	.....	.....	.....	.....	.....	.....	.....	27
.....	.....	3,026	.....	185	10	5,443	172	13,349	7,734	.....	.....	.....	.....	.....	.....	.....	28
.....	.....	.....	437	170	135	5,220	27	9,820	4,573	.....	.....	.....	.....	.....	.....	.....	29
6,828	2,169	60,180	.....	4,055	482	158,344	872	268,510	109,294	23	.....	.....	.....	.....	23	.....	30
6,828	2,169	56,776	.....	3,230	414	152,419	624	253,210	100,167	21	.....	.....	.....	.....	21	.....	31
.....	.....	3,404	.....	825	68	5,925	248	15,300	9,127	2	.....	.....	.....	.....	2	.....	32
53,820	19,085	276,699	270	25,289	45,371	1,415,281	45,499	2,368,490	907,710	1,050	.....	.....	118	2	930	.....	33
24,000	7,809	104,325	270	12,742	13,749	380,616	12,873	691,976	298,487	110	.....	.....	2	.....	108	.....	34
29,820	11,276	172,374	.....	12,547	31,622	1,034,665	32,626	1,676,514	609,223	940	.....	.....	116	2	822	.....	35
583	394	14,951	.....	824	330	56,524	75	93,654	37,055	22	22	.....	.....	.....	.....	.....	36
53,013	15,346	284,123	2,932	13,916	20,427	422,193	10,539	1,005,759	573,027	132	.....	.....	33	.....	99	.....	37
9,050	3,411	91,714	23,591	1,985	10,186	443,410	5,989	644,636	195,237	589	195	.....	.....	240	154	.....	38
1,936,147	643,385	28,974,008	63,182	99,798	7,512,674	85,699,501	2,584,149	155,488,347	67,204,697	111,986	55,860	13,346	.....	18,060	24,720	23,630	39
132,793	49,627	969,987	120,546	6,489	190,181	1,811,763	60,572	4,110,419	2,238,084	1,181	350	.....	.....	120	711	285	40
596,241	331,963	3,273,984	107,549	58,349	787,473	9,759,437	232,589	17,824,321	7,832,295	7,728	3,466	.....	.....	1,438	2,824	1,094	41
.....	.....	6,236	.....	1,788	54	10,424	375	32,986	22,187	5	.....	.....	.....	.....	5	.....	42
5,115	20,030	11,610	.....	3,021	1,514	52,196	1,260	119,727	66,271	14	.....	.....	.....	.....	14	.....	43
1,294,391	1,348,935	9,356,657	25,791	105,620	2,773,589	18,901,077	2,025,663	42,257,545	21,330,805	28,920	16,733	4,951	1,685	2,374	3,177	14,902	44
27,197	26,016	74,616	100,033	9,334	20,111	642,001	24,170	1,024,287	358,116	686	374	.....	.....	.....	312	.....	45
188,716	247,346	1,346,361	.....	5,471	486,325	2,951,553	175,211	7,566,790	4,440,026	3,087	705	.....	.....	800	1,582	464	46
38,011	14,025	199,370	.....	20,826	4,866	604,949	9,540	1,044,013	429,524	166	.....	.....	.....	.....	166	.....	47
.....	1,560	57,470	.....	4,147	99	15,704	2,387	110,359	92,268	23	.....	.....	.....	.....	23	.....	48
15,112	3,937	156,762	9,157	8,967	5,120	37,258	3,373	362,407	321,776	53	.....	.....	.....	.....	53	.....	49
10,060	1,975	100,159	3,997	6,968	2,482	41,560	1,737	217,100	173,803	55	.....	.....	.....	5	50	.....	50
73,058	79,192	274,726	17,575	10,112	12,756	655,699	15,287	1,316,536	645,550	203	.....	.....	.....	.....	203	.....	51
30,687	29,528	113,269	746	4,318	7,653	313,755	6,393	597,704	277,556	75	.....	.....	.....	.....	75	.....	52
42,371	49,664	161,457	16,829	5,794	5,103	341,944	8,894	718,832	367,994	128	.....	.....	.....	.....	128	.....	53
1,650	2,060	6,168	.....	1,128	121	45,047	657	82,425	36,721	8	.....	.....	.....	.....	8	.....	54
9,850	8,389	33,796	.....	875	7,133	963,405	14,414	1,132,723	154,904	1,253	220	.....	110	302	621	.....	55
22,944	20,110	107,243	.....	9,105	2,991	747,119	18,534	1,016,535	250,882	437	.....	.....	.....	.....	437	.....	56
6,760	520	35,914	.....	5,755	1,795	214,971	11,030	316,503	90,502	170	.....	.....	.....	.....	170	.....	57
16,184	19,590	71,329	.....	3,350	1,196	532,148	7,504	700,032	160,380	267	.....	.....	.....	.....	267	.....	58
790,458	502,605	5,386,216	8,380	44,333	421,762	4,491,710	362,762	15,692,939	10,838,467	8,160	1,529	.....	310	5	6,316	594	59
45,806	3,834	135,918	.....	540	57,607	198,407	5,217	499,794	296,170	182	46	.....	.....	.....	136	1	60
256,160	151,727	1,173,804	.....	736	32,993	1,363,136	125,292	4,804,106	3,315,678	1,558	30	.....	20	.....	1,508	.....	61
413,133	300,783	3,627,507	8,380	34,605	273,871	2,611,607	192,355	9,241,836	6,437,874	5,740	1,008	.....	290	5	4,437	348	62
75,359	46,261	448,987	.....	8,452	57,291	318,560	39,898	1,147,203	788,745	680	445	.....	.....	.....	235	245	63
16,546	8,849	119,596	19,055	8,773	2,010	109,207	2,806	370,199	258,186	88	.....	.....	6	.....	82	.....	64
1,300	5,000	63,770	15,923	4,820	1,055	42,284	956	168,784	125,544	14	.....	.....	6	.....	8	.....	65
15,246	3,849	55,826	3,132	3,953	955	66,923	1,850	201,415	132,642	74	.....	.....	.....	.....	74	.....	66

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

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	Industry and city.	Number of establishments.	Persons engaged in the industry. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	Wage earners Dec. 15, or nearest representative day. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
																Dollars.
1	Gas and electric fixtures	3	46	2	6	4	2	32	No 38	Fe 25	37	30	4	3	.....	97,120
2	Gas, illuminating and heating	4	906	.....	47	68	121	670	Ja 1,001	Au 508	586	582	2	2	.....	15,592,065
3	Glass, cutting, staining, and ornamenting.	8	69	12	.....	2	2	53	Au [3] 63	Ja 42	54	42	10	2	.....	92,365
4	Gold and silver, reducing and refining, not from the ore.	17	110	17	14	11	8	60	Ap 66	Ja [3] 58	60	60	.....	.....	.....	785,987
5	Grease and tallow, not including lubricating greases.	4	142	3	7	10	5	117	Se 132	Ja 98	128	128	.....	.....	.....	790,105
6	Hand stamps	6	25	9	1	1	1	13	Ap 20	Je [3] 11	13	9	.....	4	.....	30,470
7	Hardware	4	50	5	4	.....	8	33	De 46	Je 26	46	14	30	1	1	92,258
8	Hats and caps, other than felt, straw, and wool.	4	19	8	.....	.....	.....	11	Ja [3] 12	Ap [3] 10	12	8	4	.....	.....	19,465
9	Ice, manufactured	4	27	3	2	.....	2	20	Je [3] 34	Ja [4] 0	34	33	.....	1	.....	121,178
10	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	7	1,016	.....	44	26	26	920	De 1,045	Je 816	1,045	963	35	47	.....	2,917,580
11	Iron and steel, tempering, welding, etc.	4	29	5	2	1	3	18	De 21	Fe 14	21	21	.....	.....	.....	70,634
12	Jewelry	288	12,533	273	549	398	734	10,579	De 11,629	Ja 8,899	11,797	6,437	4,797	277	286	27,236,282
13	Jewelry and instrument cases	7	402	7	13	17	6	359	De 402	Ja 284	455	98	317	17	23	440,591
14	Knit goods	26	2,126	14	88	19	32	1,983	De 2,138	Mh 1,835	2,139	506	1,493	23	117	6,578,245
15	Leather goods, not elsewhere specified	4	29	3	2	1	1	22	Se 29	Ap 15	29	12	15	.....	2	13,945
16	Liquors, malt	5	502	.....	30	64	10	398	Oc 452	Jy 314	381	381	.....	.....	.....	3,298,140
17	Looking-glass and picture frames	4	26	5	.....	.....	.....	21	Fe 26	De 18	25	8	17	.....	.....	14,434
18	Lumber and timber products	23	97	26	.....	.....	.....	71	Mh 100	Jy 34	144	144	.....	.....	.....	156,127
19	Lumber, planing-mill products, not including planing mills connected with sawmills.	27	470	22	28	21	11	388	Se 437	Fe 328	435	424	.....	11	.....	1,159,705
20	Machine tools	13	7,776	2	142	160	303	7,169	De 8,092	Fe 6,352	8,099	7,422	675	2	.....	25,036,802
21	Marble and stone work	44	410	54	12	17	6	321	.....	.....	379	378	.....	1	.....	750,847
22	Monuments and tombstones	38	235	48	9	7	2	169	Ap 185	Ja 145	173	173	.....	.....	.....	324,364
23	Other marble and stone work, except slate.	6	175	6	3	10	4	152	Se 215	Fe 95	206	205	.....	1	.....	426,483
24	Mattresses and spring beds, not elsewhere specified.	10	93	12	5	5	3	68	De 91	Ja 47	87	72	15	.....	.....	194,044
25	Millinery and lace goods, not elsewhere specified.	6	93	7	.....	1	2	83	My 90	Jy [3] 76	81	10	65	.....	6	69,066
26	Mineral and soda waters	42	212	39	14	17	8	134	.....	.....	119	117	2	.....	.....	649,742
27	Mineral and carbonated waters	38	206	36	14	17	8	131	Jy 170	No 102	116	114	2	.....	.....	641,060
28	All other	4	6	3	.....	.....	.....	3	Je [3] 4	Ja [3] 2	3	3	.....	.....	.....	8,682
29	Models and patterns, not including paper patterns.	12	105	15	2	1	4	83	De 99	Ja 65	96	96	.....	.....	.....	102,264
30	Oleomargarine and other butter substitutes.	4	174	.....	9	28	27	110	Ja 129	Mh 98	131	83	48	.....	.....	939,585
31	Optical goods	5	544	1	46	4	20	473	De 529	Ja 443	533	346	174	10	3	1,048,327
32	Paper goods, not elsewhere specified.	6	303	.....	18	7	15	263	De 296	Ap 221	296	185	80	3	28	1,132,935
33	Patent medicines and compounds	15	60	10	6	9	12	23	.....	.....	28	24	3	1	.....	143,487
34	Patent and proprietary medicines.	4	14	5	1	1	1	6	De 12	Fe [3] 4	7	6	1	.....	.....	35,954
35	Patent and proprietary compounds, not elsewhere specified.	11	46	5	5	8	11	17	De 22	Ja [3] 16	21	18	2	1	.....	107,533
36	Paving materials	7	133	5	7	2	5	114	Jy [3] 146	Ja 42	135	135	.....	.....	.....	156,200
37	Perfumery and cosmetics	4	5	3	.....	.....	.....	2	(5) 2	(5) 2	3	2	1	.....	.....	8,042
38	Photo-engraving	4	19	6	.....	2	1	10	Jy [3] 12	Ja 7	11	10	1	.....	.....	16,692
39	Pickles and sauces	4	8	5	.....	.....	.....	3	Se [2] 4	Ja 2	4	4	.....	.....	.....	9,396
40	Printing and publishing, book and job.	105	1,351	110	78	47	172	944	.....	.....	1,108	705	363	30	10	2,442,825
41	Job printing	99	1,321	104	77	45	170	925	De 1,075	Ja 879	1,088	692	358	28	10	2,407,911
42	Book publishing and printing	3	5	3	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	680
43	Linotype work and typesetting	3	25	3	1	.....	2	19	De 24	Je 16	20	13	5	2	.....	34,234
44	Printing and publishing, newspapers and periodicals.	36	965	24	58	191	90	602	.....	.....	641	578	55	8	.....	3,296,189
45	Printing and publishing	11	776	1	43	181	77	474	No [3] 500	Ja 440	512	480	30	2	.....	2,988,577
46	Printing, publishing, and job printing.	17	175	21	7	8	11	128	Oc [3] 132	Fe [3] 123	129	98	25	6	.....	279,075
47	Publishing without printing	8	14	2	8	2	2	.....	.....	.....	.....	.....	.....	.....	.....	28,537
48	Rubber tires, tubes, and rubber goods, not elsewhere specified.	6	2,816	.....	173	351	175	2,117	Ja 2,685	Je 1,926	2,216	1,280	815	25	96	20,076,684
49	Saddlery and harness	3	5	2	1	.....	.....	2	(5) 2	(5) 2	2	2	.....	.....	.....	2,743
50	Sausage, not made in slaughtering and meat-packing establishments.	15	100	18	3	8	3	68	De 75	Au 62	74	71	3	.....	.....	301,992
51	Shipbuilding, wooden, including boat building.	14	291	12	16	7	3	253	De 318	Fe 190	325	325	.....	.....	.....	897,609
52	Signs and advertising novelties	6	32	5	3	3	2	19	De 23	Fe 15	18	13	4	1	.....	30,454
53	Silk goods	30	4,346	11	84	42	59	4,150	De 4,330	Oc 3,998	4,348	1,913	2,201	66	168	20,200,627
54	Silversmithing and silverware	8	2,039	6	28	49	22	1,934	Ja 2,511	No 1,728	1,776	1,501	243	25	7	15,102,699
55	Slaughtering and meat packing	22	331	26	13	19	9	264	Oc 375	Ja [3] 165	268	222	46	.....	.....	2,158,979
56	Soap	8	167	5	17	25	3	117	Ja 132	De 108	108	79	28	1	.....	932,497
57	Steam fittings and steam and hot-water heating apparatus.	5	192	1	16	10	7	158	De 176	Jy 147	176	166	10	.....	.....	664,865
58	Suspenders, garters, and elastic woven goods.	10	936	7	16	4	17	892	De 985	Mh 784	985	362	546	28	49	2,428,101
59	Textile machinery and parts	60	4,575	33	228	351	187	3,776	No 4,236	Ap 3,316	4,344	4,019	252	58	15	15,005,963
60	Tobacco, smoking	3	5	3	.....	.....	.....	2	(5) 2	(5) 2	3	3	.....	.....	.....	11,280

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

EXPENSES.										POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.						Electric horsepower generated in establishments reporting.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
19,265	4,808	25,727	1,257	4,380	761	55,455	1,595	149,354	92,304	12	.....	.....	.....	.....	12	.....	1
143,103	180,461	834,074	.....	.....	247,219	186,944	1,886,093	4,477,592	2,404,555	2,335	1,215	385	.....	.....	735	189	2
.....	4,258	56,659	418	3,104	351	67,782	1,575	182,636	113,279	16	.....	.....	.....	.....	16	.....	3
45,180	26,333	70,482	.....	14,176	12,098	3,017,715	16,374	3,409,457	375,368	160	45	.....	.....	.....	115	.....	4
20,592	10,961	98,686	.....	500	39,314	721,991	23,865	1,165,082	419,226	421	421	.....	.....	.....	.....	.....	5
1,040	1,900	10,534	.....	3,339	115	10,949	335	42,623	31,339	7	.....	.....	.....	.....	7	.....	6
7,114	4,014	22,595	.....	2,511	1,945	130,187	681	206,678	75,810	32	.....	.....	.....	.....	32	.....	7
.....	.....	15,600	.....	1,344	122	53,221	328	90,312	36,763	4	.....	.....	.....	.....	4	.....	8
1,600	470	23,888	300	7,304	1,115	17,411	14,673	100,552	68,468	419	190	.....	225	.....	4	.....	9
152,596	62,383	984,819	.....	3,645	176,658	1,031,970	85,049	2,968,244	1,851,225	1,870	450	.....	125	.....	1,295	250	10
6,760	3,328	32,613	.....	2,410	502	17,523	4,399	95,637	73,715	107	.....	.....	34	.....	73	.....	11
1,914,862	1,358,852	9,352,452	499,005	362,001	747,684	26,760,432	215,527	48,596,440	21,620,481	4,304	117	.....	10	.....	4,177	.....	12
41,365	22,445	232,532	8,856	9,174	6,468	346,328	4,301	831,362	480,733	175	125	.....	.....	.....	50	59	13
386,352	83,250	1,560,596	70,686	23,893	708,508	7,331,113	58,003	11,936,313	4,547,197	1,261	590	.....	5	35	631	.....	14
1,876	700	14,741	.....	1,419	134	19,233	737	47,855	27,885	12	.....	.....	6	.....	6	.....	15
169,696	158,182	543,663	.....	.....	2,011,447	848,587	171,067	5,932,689	4,913,035	3,522	2,932	50	.....	.....	540	717	16
.....	.....	17,492	.....	2,521	104	20,771	217	48,119	27,131	5	.....	.....	.....	.....	5	.....	17
817	263	77,086	2,902	1,000	1,047	73,358	100	242,325	168,867	1,263	990	.....	26	247	.....	1	18
104,190	33,271	433,394	12,000	20,867	21,412	795,035	26,317	1,712,328	890,976	1,698	880	.....	20	.....	798	15	19
536,253	661,396	8,702,410	17,243	5,284	1,723,094	3,368,170	325,796	22,301,290	18,607,324	8,998	550	1,530	.....	.....	6,918	.....	20
24,808	30,073	403,126	23,627	6,749	7,827	351,478	39,184	1,173,630	782,968	1,650	570	.....	104	.....	976	.....	21
15,293	10,117	219,776	3,142	2,784	3,572	213,522	20,055	626,573	392,996	418	45	.....	14	.....	359	.....	22
9,515	19,956	183,350	20,485	3,965	4,255	137,956	19,129	547,057	389,972	1,232	525	.....	90	.....	617	.....	23
6,684	7,511	73,398	7,630	8,994	2,329	248,035	1,989	397,127	147,103	101	.....	.....	.....	.....	101	.....	24
.....	3,218	40,280	.....	1,788	654	173,812	1,644	243,241	67,785	14	.....	.....	.....	.....	14	.....	25
34,522	23,311	139,715	130	4,311	37,711	354,625	13,120	768,805	401,060	171	32	.....	5	.....	134	.....	26
34,522	23,311	136,926	130	4,175	37,272	344,915	12,980	752,235	394,340	170	32	.....	5	.....	133	.....	27
.....	.....	2,789	.....	136	439	9,710	140	16,570	6,720	1	.....	.....	.....	.....	1	.....	28
3,846	3,119	109,992	2,911	6,286	699	42,647	2,682	229,936	184,607	77	.....	.....	.....	5	72	.....	29
69,174	77,080	98,800	.....	4,340	28,649	2,461,302	14,333	2,946,142	470,507	262	90	.....	.....	.....	172	.....	30
84,849	27,638	378,563	.....	11,873	26,730	652,076	9,320	1,423,795	762,399	155	.....	.....	.....	.....	155	.....	31
114,600	27,180	239,547	.....	.....	115,659	817,028	38,686	1,664,193	808,479	1,213	240	.....	.....	.....	973	125	32
9,229	16,717	20,656	84	5,140	1,966	81,993	3,777	214,880	129,110	15	.....	.....	.....	.....	15	.....	33
2,000	1,540	3,247	84	1,344	442	11,191	81	42,483	31,211	1	.....	.....	.....	.....	1	.....	34
7,229	15,177	17,409	.....	3,796	1,524	70,802	3,696	172,397	97,899	14	.....	.....	.....	.....	14	.....	35
13,364	5,990	123,178	.....	2,785	1,296	21,229	15,514	220,721	183,978	474	445	.....	4	.....	25	.....	36
.....	.....	1,791	350	625	65	7,125	36	16,308	9,147	.....	.....	.....	.....	.....	.....	.....	37
.....	2,628	10,061	.....	1,813	76	5,361	760	36,909	30,788	5	.....	.....	.....	.....	5	.....	38
.....	.....	2,930	160	893	.....	20,473	154	28,823	8,196	11	.....	.....	.....	.....	11	.....	39
284,235	122,905	898,894	25,375	61,973	90,802	1,152,906	32,086	3,233,117	2,048,125	805	.....	.....	3	1	801	.....	40
282,155	121,095	878,299	18,737	60,159	90,526	1,145,228	31,231	3,177,148	2,000,689	798	.....	.....	3	1	794	.....	41
.....	250	.....	788	72	4	500	21	3,489	2,968	.....	.....	.....	.....	.....	.....	.....	42
2,080	1,560	20,595	5,850	1,742	272	7,178	834	52,480	44,468	7	.....	.....	.....	.....	7	.....	43
206,680	389,347	794,977	35,186	39,730	268,203	908,242	47,924	3,771,831	2,815,665	1,268	965	.....	2	2	299	522	44
187,028	362,934	639,325	1,176	32,026	264,086	802,894	42,147	3,265,171	2,420,130	1,167	965	.....	.....	.....	202	522	45
10,953	23,229	155,652	841	6,804	4,107	96,280	5,777	418,130	316,073	101	.....	.....	2	2	97	.....	46
8,699	3,184	.....	33,169	900	10	9,068	.....	88,530	79,462	.....	.....	.....	.....	.....	.....	.....	47
500,026	648,756	1,947,067	57,889	24,000	599,322	7,299,161	299,480	15,887,006	8,288,365	5,803	1,735	350	.....	.....	3,718	816	48
1,500	.....	2,202	.....	720	66	5,773	143	15,750	9,834	1	.....	.....	.....	.....	1	.....	49
15,861	5,450	85,408	.....	3,516	17,325	1,615,431	10,133	1,870,797	245,233	273	134	.....	.....	.....	139	.....	50
58,700	13,192	350,516	.....	6,193	8,418	265,310	30,398	863,971	568,263	562	370	.....	34	.....	158	175	51
4,248	3,144	21,873	.....	2,720	135	30,517	603	82,905	51,785	11	.....	.....	.....	.....	11	.....	52
496,034	196,197	4,160,940	1,170,794	31,310	1,721,123	16,532,722	282,151	27,219,238	10,404,365	7,224	2,040	2,650	.....	400	2,134	4,464	53
151,708	158,742	2,180,174	317	8,520	193,764	2,926,913	135,730	6,829,806	3,767,163	1,378	475	.....	.....	.....	903	.....	54
36,372	32,674	256,806	500	3,260	38,536	5,948,934	19,023	6,807,195	839,238	555	119	.....	2	.....	434	27	55
101,655	50,976	99,395	.....	3,735	85,894	1,231,129	24,813	1,943,778	687,836	235	180	.....	.....	.....	55	1	56
67,690	14,583	149,649	.....	4,445	33,440	625,648	10,805	1,124,874	488,421	309	.....	.....	.....	.....	309	.....	57
150,494	18,912	754,026	.....	3,039	181,154	2,525,126	43,774	4,261,354	1,692,454	1,722	275	.....	.....	110	1,337	118	58
753,605	545,236	4,189,640	6,956	44,952	694,840	5,457,235	217,340	14,842,179	9,167,604	4,751	840	150	35	40	3,686	275	59
.....	.....	1,412	.....	60	3,670	6,619	61	15,943	9,263	4	.....	.....	.....	.....	4	.....	60

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

[4] None reported for one or more other months.

[1] Same number reported throughout the year.

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

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

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
																Dollars.
1	Tobacco, cigars and cigarettes	48	233	49	2	3	2	177	Se 214	My 149	167	114	50	3	.....	365,251
2	Tools, not elsewhere specified	37	624	28	36	17	22	521	.....	.....	565	522	38	3	2	1,811,687
3	Carpenters' and machinists' tools.	11	273	6	20	10	13	224	De 251	Mh 199	249	221	26	2	.....	678,753
4	All other	26	351	22	16	7	9	297	De 316	Ja 271	316	301	12	1	2	1,132,934
5	Toys and games	4	75	4	5	1	3	62	Oc 80	Ja 36	76	15	60	.....	1	86,836
6	Vinegar and cider	9	19	13	.....	.....	1	5	.....	.....	6	6	.....	.....	.....	52,570
7	Vinegar	5	13	7	.....	.....	1	5	Oc [3] 6	My 2	6	6	.....	.....	.....	45,020
8	Cider	4	6	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,550
9	Wirework, not elsewhere specified	6	129	8	9	2	4	106	Mh 125	Se 70	106	60	46	.....	.....	252,516
10	Wood, turned and carved	10	434	12	26	4	17	375	De 409	Jy 339	541	373	154	10	4	465,160
11	Wool shoddy	7	83	7	5	1	.....	70	De 91	Fe 64	91	90	1	.....	.....	290,298
12	Woolen goods	26	3,346	4	115	44	39	3,144	De 3,785	Fe 1,848	3,648	2,780	789	50	29	15,709,896
13	Worsted goods	62	22,304	14	470	372	199	21,249	De 25,221	Fe 13,979	25,595	11,543	12,306	707	1,039	110,153,835
14	All other industries *	156	19,066	113	482	1,249	651	16,571	.....	.....	.....	.....	.....	.....	.....	78,637,889

* All other industries embrace—

Aeroplanes, seaplanes, and airships, and parts	1
Aluminum ware	1
Ammunition	1
Artists' materials	1
Bags, other than paper, not including bags made in textile mills	2
Baking powders and yeast	2
Baskets, and rattan and willow ware	2
Belting, woven	1
Blacking, stains, and dressings	1
Boot and shoe cut stock	1
Boots and shoes, not including rubber boots and shoes	1
Boots and shoes, rubber	4
Canning and preserving, vegetables	1
Cardboard, not made in paper mills	1
Carpets, rag	2
Cash registers and parts	1
Cheese	2
Chewing gum	1
Clocks	2
Clothing, horse	1
Clothing, men's	1
Coal-tar products	2
Coffee, roasting and grinding	2
Coffins, burial cases, and undertakers' goods	1
Combs and hairpins, except those made from metal or rubber	1
Cutlery, pocket knives	2
Emery and other abrasive wheels	1
Engraving, wood	2
Felt goods	1
Fertilizers	1
Files	3
Fireworks	1
Flags and banners	1
Fur goods	2
Furnishing goods, men's	3
Galvanizing	1
Gas and water meters	1
Glass	1
Gloves and mittens, cloth, not including gloves made in textile mills	1
Gold, leaf and foil	2
Haircloth	1
Hair work	2
Hats, fur-felt	2
Horseshoes, not made in steel works or rolling mills	1
House-furnishing goods, not elsewhere specified	1
Instruments, medical and surgical	1
Iron and steel, steel works and rolling mills	3
Iron and steel forgings, not made in steel works or rolling mills	1
Iron and steel, wire nails and spikes	1
Ivory, shell, and bone work, not including combs and hairpins	3

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

	PAWTUCKET—All industries.	284	26,358	213	634	448	617	24,446	De 26,445	Fe 22,979	26,498	14,850	10,361	608	679	104,855,995
1	Automobile repairing	7	37	7	1	.....	1	28	No [3] 30	Mh 25	30	30	.....	.....	.....	33,960
2	Boxes, wooden packing, except cigar boxes.	6	83	5	5	1	1	71	De 78	My 66	78	78	.....	.....	.....	157,999
3	Brass and bronze products	5	120	5	9	2	2	102	Fe 131	Jy 79	82	80	1	1	.....	292,996
4	Bread and other bakery products	22	182	28	6	.....	5	143	Au [3] 152	Fe [3] 132	160	134	25	1	.....	200,878
5	Brushes	5	53	6	2	.....	1	44	De 50	Ja 31	50	14	35	1	.....	42,689
6	Carriages and wagons, including repairs.	3	31	1	3	.....	2	25	Mh [3] 33	Ja [3] 17	17	17	.....	.....	.....	43,651
7	Confectionery, ice cream	8	25	7	2	.....	.....	16	Jy 23	Ja [3] 11	16	11	2	.....	.....	59,620
8	Copper, tin, and sheet-iron work	6	49	4	6	1	3	35	Au [3] 38	Ja 30	36	36	.....	.....	.....	64,596
9	Cotton goods	10	10,896	.....	175	70	235	10,416	Se 10,906	Ja 9,728	10,625	5,258	4,779	289	299	34,914,970
10	Cotton lace	3	532	.....	11	3	10	508	De 636	Ja 342	636	272	293	20	51	2,120,263
11	Cotton small wares	19	1,842	9	53	28	43	1,709	Ja 1,897	My 1,553	1,836	674	1,038	31	93	6,238,472
12	Dyeing and finishing textiles, exclusive of that done in textile mills.	16	1,733	2	71	42	44	1,574	De 1,759	Mh 1,373	1,759	1,313	420	22	4	6,216,338
13	Foundry and machine-shop products	10	1,063	4	24	31	26	978	De 1,151	My 781	1,151	1,132	6	12	1	4,213,837
14	Jewelry	7	239	10	9	5	6	209	De 229	Fe 197	229	99	103	18	9	711,461
15	Lumber, planing-mill products, not including planing mills connected with sawmills.	7	185	6	9	11	4	155	De 188	Fe 106	188	188	.....	.....	.....	425,928
16	Marble and stone work, monuments and tombstones.	4	15	5	.....	.....	.....	10	Fe 13	Ja [3] 9	10	10	.....	.....	.....	17,190
17	Mineral and soda waters	3	4	2	.....	.....	.....	2	Jy [3] 4	Fe 1	3	3	.....	.....	.....	6,158
18	Printing and publishing, job printing, linotype work, and typesetting.	13	185	14	10	3	5	153	De 173	Se 143	173	108	47	10	8	414,943
19	Silk goods	12	1,889	5	32	11	19	1,822	De 1,962	Oc 1,587	1,950	944	896	45	65	11,261,872
20	Slaughtering and meat packing	8	74	15	1	1	1	56	Je [3] 58	Au 53	58	58	.....	.....	.....	496,266
21	Textile machinery and parts	9	336	5	16	3	8	304	Oc 370	My 259	376	375	.....	1	.....	768,773
22	Tobacco, cigars	12	55	14	.....	.....	.....	41	Mh 45	My 37	44	33	10	1	.....	43,185
23	Tools, not elsewhere specified	5	194	5	5	3	6	175	My 186	Fe 167	171	169	2	.....	.....	894,604
24	All other industries *	84	6,536	54	184	233	195	5,870	.....	.....	6,820	3,811	2,704	156	149	35,245,346

* All other industries embrace—

Artificial stone products	1
Automobile bodies and parts	1
Belting, leather	1
Bookbinding and blank-book making	1
Boot and shoe cut stock	1
Boot and shoe findings	2
Boxes, paper and other, not elsewhere specified	2
Brooms, from broom corn	2
Card cutting and designing	1
Cardboard, not made in paper mills	1
Carpets, rag	1
Cleansing preparations	1
Clocks	1
Coffee, roasting and grinding	1
Cooperage	6
Cordage and twine	1
Dental goods	1
Druggists' preparations	1
Dyestuffs and extracts—natural	2
Electrical machinery, apparatus, and supplies	1
Electroplating	1
Fancy articles, metal, not elsewhere specified	1
Flour-mill and gristmill products	1
Food preparations, meat products, not elsewhere specified	2
Gas, illuminating and heating	1

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.										POWER.							
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.							
											Owned.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacture.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]	Electric horsepower generated in establishments reporting.	
THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
10,450	4,329	164,753	.....	7,841	69,516	214,160	3,058	583,061	365,843	4	.....	.....	.....	.....	4	.....	1
138,810	37,580	555,677	7,014	22,209	109,353	366,072	21,431	1,509,151	1,121,648	566	150	.....	3	.....	413	.....	2
89,315	22,414	233,558	305	4,660	8,737	251,382	7,050	624,856	366,424	209	.....	.....	.....	.....	209	.....	3
49,495	15,166	322,119	6,709	17,639	100,616	114,690	14,381	884,295	755,224	357	150	.....	3	.....	204	.....	4
24,196	4,154	47,282	11,827	1,656	2,613	90,419	1,043	226,169	134,707	23	.....	.....	.....	.....	23	.....	5
.....	624	5,640	.....	.....	485	24,717	474	50,445	25,254	125	80	.....	43	.....	2	.....	6
.....	624	5,640	.....	.....	388	23,972	419	46,765	22,374	37	8	.....	27	.....	2	.....	7
.....	.....	.....	.....	.....	97	745	55	3,680	2,880	88	72	.....	16	.....	.....	.....	8
25,187	8,845	84,165	4,240	4,712	10,841	142,455	3,251	378,972	233,266	37	.....	.....	.....	.....	37	.....	9
45,521	18,065	341,482	300	3,813	5,103	443,303	9,715	1,007,997	554,979	469	350	.....	.....	31	88	.....	10
14,500	120	80,161	188	3,253	1,521	224,442	20,618	444,795	199,735	544	50	.....	.....	172	322	.....	11
645,804	155,266	3,559,272	95,521	19,695	1,281,873	13,489,394	292,719	22,231,419	8,449,396	7,176	3,749	670	.....	1,506	1,251	590	12
3,381,348	947,857	20,074,333	273,442	87,897	9,050,978	101,302,826	1,829,839	153,080,986	49,948,274	51,742	25,399	15,584	.....	3,084	7,675	12,729	13
1,811,3 8	2,375,001	16,245,744	1,298,386	129,373	2,776,888	47,698,458	1,400,707	89,492,986	40,393,821	32,258	18,959	2,206	16	206	10,871	3,182	14

Japanning..... 2
Labels and tags..... 2
Lamps..... 1
Lapidary work..... 2
Lead, bar, pipe, and sheet..... 2
Leather, tanned, curried, and finished..... 2
Lime..... 1
Lubricating greases..... 2
Minerals and earths, ground or otherwise treated..... 1
Mirrors, framed and unframed, not elsewhere specified..... 1
Musical instruments, organ materials. 1
Needles, pins, and hooks and eyes.. 4
Nets and seines..... 1
Oil and cake, cottonseed..... 1
Oil, vegetable and composite oils.... 3
Paints..... 4
Paper and wood pulp..... 1
Petroleum, refining..... 1
Phonographs and graphophones..... 1
Plumbers' supplies, not elsewhere specified..... 2
Regalia, and society badges and emblems..... 1
Roofing materials..... 1
Saws..... 2
Screws, machine..... 3
Screws, wood..... 1
Shipbuilding, steel, new vessels and repair work..... 2
Shirts..... 3
Sporting and athletic goods..... 3
Springs, steel, automobile..... 1
Stamped ware, not elsewhere specified..... 1
Stencils and brands..... 1
Stereotyping and electrotyping..... 1
Stoves and ranges..... 1
Stoves, gas and oil..... 1
Structural ironwork, not made in steel works or rolling mills..... 5
Surgical appliances..... 2
Tin foil..... 1
Tinware, not elsewhere specified.... 3
Trunks and valises..... 1
Umbrellas and canes..... 1
Upholstering materials, imitation leather and leatheroid..... 1
Varnishes..... 2
Vault lights and ventilators..... 1
Washing machines and clothes wringers..... 1
Waste..... 1
Window and door screens..... 1
Window shades and fixtures..... 2
Wire..... 2

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

2,750,082	1,245,435	23,837,712	687,190	205,478	6,475,271	75,234,647	2,238,998	135,517,533	58,044,788	56,681	24,367	15,136	154	656	16,368	23,829	
640	780	39,858	.....	3,648	79	16,370	1,380	79,698	61,948	15	.....	.....	.....	.....	15	.....	1
18,502	1,025	68,967	.....	444	1,352	136,450	1,304	245,534	107,780	156	125	.....	.....	.....	31	7	2
27,679	3,027	104,333	.....	480	6,870	308,849	10,938	494,930	175,143	256	75	.....	120	.....	61	325	3
24,789	3,640	147,399	.....	6,556	2,445	634,303	19,473	1,001,222	347,446	75	.....	.....	.....	.....	75	.....	4
4,510	801	29,633	5,575	2,577	676	51,634	520	110,297	58,143	53	.....	.....	5	40	8	.....	5
3,708	1,140	24,355	.....	3,000	974	15,245	1,908	57,322	40,169	76	24	.....	6	.....	46	.....	6
3,020	.....	19,583	.....	1,854	982	112,723	3,300	163,187	47,164	76	.....	.....	.....	.....	76	.....	7
11,773	1,801	40,068	2,932	3,261	310	72,229	839	149,993	76,925	.....	.....	.....	.....	.....	.....	.....	8
589,683	274,494	9,554,158	.....	72,635	2,203,716	32,045,508	831,116	53,628,196	20,751,572	25,079	10,650	5,941	.....	150	8,338	14,116	9
52,159	11,739	515,018	66,753	.....	55,477	842,425	24,670	1,942,651	1,075,556	373	125	.....	.....	.....	248	130	10
273,974	107,425	1,389,326	22,476	39,252	493,069	4,386,183	71,615	8,030,948	3,573,150	1,523	950	.....	.....	6	567	1,005	11
274,317	137,016	1,745,820	773	4,717	354,047	3,295,663	322,151	7,142,605	3,524,791	3,588	3,149	.....	.....	40	399	1,126	12
111,538	70,588	1,160,390	6,864	3,520	90,172	1,117,175	61,799	3,170,716	1,991,742	814	665	.....	.....	5	144	348	13
41,220	13,506	201,344	19,846	4,968	25,835	296,059	6,863	854,411	551,489	94	.....	.....	6	.....	88	.....	14
31,540	14,656	184,176	12,000	13,545	6,286	420,158	9,085	759,095	329,852	500	355	.....	.....	.....	145	.....	15
.....	.....	12,638	.....	364	258	9,908	423	32,640	22,309	9	.....	.....	.....	.....	9	.....	16
.....	.....	2,135	.....	1,720	358	4,008	282	10,200	5,910	1	.....	.....	.....	.....	1	.....	17
32,412	8,284	111,256	11,092	2,824	6,023	189,991	5,998	486,619	290,630	97	.....	.....	3	.....	94	.....	18
208,013	37,703	1,989,069	498,899	10,699	1,108,030	6,565,877	103,091	11,903,748	5,234,775	4,037	1,290	2,250	.....	.....	497	4,263	19
2,000	1,976	58,961	500	2,560	1,972	2,866,095	6,913	3,191,690	318,082	130	94	.....	2	.....	34	27	20
52,216	12,027	272,650	453	5,221	18,712	303,105	8,414	849,098	537,579	257	50	.....	.....	.....	207	.....	21
.....	.....	34,892	.....	456	12,812	41,598	666	107,897	65,633	1	.....	.....	.....	.....	1	.....	22
21,965	8,040	188,347	.....	2,292	96,701	50,782	10,075	560,282	499,425	243	150	.....	.....	.....	93	.....	23
964,442	535,767	5,943,327	39,027	21,509	2,018,112	21,452,309	735,275	40,545,159	18,357,575	19,228	6,665	6,945	12	415	5,191	2,482	24

Grease and tallow, not including lubricating greases..... 2
Hardware..... 2
Hats, fur-felt..... 1
Horseshoes, not made in steel works or rolling mills..... 1
Iron and steel, steel works and rolling mills..... 2
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills 2
Knit goods..... 4
Leather, tanned, curried, and finished..... 1
Liquors, malt..... 1
Machine tools..... 3
Models and patterns, not including paper patterns..... 4
Paper goods, not elsewhere specified. 5
Patent and proprietary compounds, not elsewhere specified..... 1
Printing and publishing, newspapers and periodicals..... 3
Sausage, not made in slaughtering and meat-packing establishments. 1
Screws, machine..... 1
Soap..... 1
Sporting and athletic goods..... 1
Stoves, gas and oil..... 1
Suspenders, garters, and elastic woven goods..... 3
Tobacco, smoking..... 1
Toys and games..... 1
Wire..... 1
Wood, turned and carved..... 4
Worsted goods..... 2

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

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PROVIDENCE—All industries.	1,274	61,395	1,167	2,138	2,368	2,350	53,372	De 58,747	Fe 47,844	59,524	38,405	19,021	911	1,187	*Dollars.* 211,893,984
1	Artificial stone products	7	24	11	2	1	.....	10	Je 14	My 6	15	15	.....	.....	.....	42,093
2	Automobile bodies and parts	10	134	10	7	3	9	105	Jy 116	Ja 96	112	100	12	.....	.....	360,530
3	Automobile repairing	28	249	26	10	5	11	197	My 223	De 176	177	177	.....	.....	.....	233,197
4	Belting, leather	3	22	1	4	.....	5	12	De 15	Fe [3] 10	15	15	.....	.....	.....	94,485
5	Boxes, paper and other, not elsewhere specified.	7	373	4	9	5	11	344	De 399	Ap 264	396	89	258	13	36	412,645
6	Boxes, wooden packing, except cigar boxes.	3	114	2	2	1	2	107	No 120	Fe 94	119	118	.....	1	.....	317,950
7	Brass and bronze products	7	66	7	1	1	3	54	Oc [3] 58	Ap [3] 49	58	56	2	.....	.....	252,460
8	Bread and other bakery products	121	975	153	9	122	61	630	Je 649	Oc 614	675	611	57	5	2	1,674,589
9	Brooms, from broom corn	3	10	3	.....	.....	.....	7	(4) 7	(4) 7	7	7	.....	.....	.....	6,240
10	Buttons	3	40	3	2	2	.....	33	My 39	No 28	29	18	10	.....	1	89,363
11	Carriages and wagons	3	27	2	3	.....	2	20	My 24	Ja [3] 17	17	17	.....	.....	.....	31,063
12	Cleansing and polishing preparations.	3	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28,169
13	Clothing, women's	4	47	6	2	.....	1	38	Se 43	Fe 21	44	2	40	.....	2	27,126
14	Confectionery and ice cream	31	254	35	11	6	7	195	.....	.....	218	113	96	2	7	869,083
15	Confectionery	10	122	13	3	2	3	101	De 125	Je 84	131	34	90	.....	7	282,334
16	Ice cream	21	132	22	8	4	4	94	Jy 139	Ja 62	87	79	6	2	.....	586,749
17	Copper, tin, and sheet-iron work	26	211	26	18	5	7	155	De 176	Je 137	178	177	1	.....	.....	457,186
18	Cotton small wares	14	1,378	9	35	12	22	1,300	De 1,486	Ap 1,121	1,486	508	876	34	68	4,312,857
19	Dyeing and finishing textiles, exclusive of that done in textile mills.	11	2,099	4	54	69	42	1,930	De 2,196	Mh 1,708	2,198	1,716	472	2	8	9,205,927
20	Dyestuffs and extracts—natural	3	20	1	3	3	2	11	De 14	Fe [3] 10	14	14	.....	.....	.....	179,915
21	Electrical machinery, apparatus, and supplies.	9	1,092	5	28	46	60	953	Ja 1,150	Au 803	1,002	509	487	3	3	2,546,179
22	Enameling	12	84	17	.....	1	1	65	Mh 77	Ja 55	68	26	42	.....	.....	22,478
23	Engraving and diesinking	30	184	36	4	.....	5	139	De 167	Ja [3] 110	159	125	31	3	.....	170,690
24	Food preparations, not elsewhere specified.	16	146	15	9	15	7	100	Au 109	Mh 87	111	68	42	1	.....	865,696
25	Foundry and machine-shop products.	43	1,604	30	67	78	45	1,384	.....	.....	1,350	1,329	5	15	1	5,689,556
26	Boiler shops	4	118	4	7	3	.....	104	Je 126	Jy 94	106	106	.....	.....	.....	353,363
27	Machine shops	35	1,105	24	35	54	38	954	Ja 1,409	Se 725	842	821	5	15	1	4,336,478
28	All other	4	381	2	25	21	7	326	De 402	Ap 267	402	402	.....	.....	.....	999,715
29	Furniture	10	63	9	7	1	3	43	.....	.....	48	47	.....	1	.....	111,277
30	Wood, other than rattan and willow.	4	8	5	.....	.....	.....	3	Fe [3] 4	Oc [3] 2	4	4	.....	.....	.....	5,433
31	Store and office fixtures	6	55	4	7	1	3	40	Je 45	Ja 31	44	43	.....	1	.....	105,844
32	Gas and electric fixtures	3	46	2	6	4	2	32	No 38	Fe 25	37	30	4	3	.....	97,120
33	Glass, cutting, staining, and ornamenting.	8	69	12	.....	2	2	53	Au [3] 63	Ja 42	54	42	10	2	.....	92,365
34	Gold and silver, reducing and refining, not from the ore.	17	110	17	14	11	8	60	Ap 66	Ja [3] 58	60	60	.....	.....	.....	785,987
35	Hand stamps	6	25	9	1	1	1	13	Ap 20	Je [3] 11	13	9	.....	4	.....	30,470
36	Hats and caps, other than felt, straw, and wool.	4	19	8	.....	.....	.....	11	Ja [3] 12	Ap [3] 10	12	8	4	.....	.....	19,465
37	Jewelry	273	12,141	256	535	393	725	10,232	No 11,173	Ja 8,571	11,325	6,277	4,522	255	271	26,459,586
38	Jewelry and instrument cases	7	402	7	13	17	6	359	De 462	Ja 284	455	98	317	17	23	440,591
39	Knit goods	8	827	2	36	4	6	779	De 815	Fe 717	814	186	562	15	51	1,742,035
40	Lumber, planing-mill products, not including planing mills connected with sawmills.	7	186	5	13	7	4	157	Se 169	Je 147	166	155	.....	11	.....	466,607
41	Machine tools	6	6,707	1	117	136	286	6,167	De 7,045	Fe 5,403	7,047	6,376	671	.....	.....	19,345,907
42	Marble and stone work	12	77	14	2	6	1	54	No 84	Ja 18	83	82	.....	1	.....	144,632
43	Mineral and soda waters	20	97	20	6	10	5	56	Je 80	No 37	49	48	1	.....	.....	347,121
44	Models and patterns, not including paper patterns.	7	86	8	2	1	4	71	Jy 79	Ja 58	76	76	.....	.....	.....	82,792
45	Oleomargarine and other butter substitutes.	4	174	.....	9	28	27	110	Ja 129	Mh 98	131	83	48	.....	.....	939,585

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

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

EXPENSES.								Value of products.	Value added by manufacture.	POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.						Electric horsepower generated in establishments reporting.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
8,779,636	6,074,159	53,178,353	824,321	1,483,615	12,501,431	135,067,313	5,259,311	267,629,283	127,302,659	84,116	32,440	14,539	366	1,064	35,707	13,683	
1,430	520	11,520	.....	666	393	14,198	534	41,756	27,024	10	.....	.....	.....	.....	10	.....	1
22,100	11,605	105,364	1,200	10,334	12,956	140,655	4,057	485,617	340,905	76	.....	.....	.....	.....	76	.....	2
20,777	19,172	211,353	.....	18,955	11,704	162,401	8,486	561,376	390,489	168	50	.....	.....	.....	118	.....	3
28,050	5,192	18,889	.....	3,351	1,210	127,735	220	206,153	78,198	6	.....	.....	4	.....	2	.....	4
18,514	12,628	198,588	1,591	4,180	12,982	188,549	5,569	557,134	363,016	134	.....	.....	.....	.....	134	.....	5
5,299	3,392	106,893	.....	6,120	19,659	207,940	1,147	399,751	190,664	485	475	.....	.....	.....	10	.....	6
3,120	4,225	66,847	.....	4,905	2,788	237,210	11,334	594,234	345,690	57	30	.....	.....	.....	27	25	7
26,855	258,463	720,176	1,300	62,397	46,717	3,441,627	107,353	5,916,012	2,367,032	809	375	.....	.....	.....	434	200	8
.....	.....	9,600	.....	804	106	33,405	459	56,200	22,336	9	.....	.....	.....	.....	9	.....	9
4,160	2,850	16,855	773	4,816	566	42,760	5,548	103,876	55,568	32	.....	.....	.....	.....	32	.....	10
5,720	1,247	22,902	175	900	401	16,225	1,195	57,807	40,387	29	.....	.....	.....	.....	29	.....	11
.....	.....	.....	437	145	135	4,508	.....	9,325	4,817	.....	.....	.....	.....	.....	.....	.....	12
2,080	900	24,200	.....	1,755	166	32,127	525	70,299	37,647	16	.....	.....	.....	.....	16	.....	13
49,300	12,022	178,872	270	12,650	42,396	953,966	29,113	1,598,211	615,132	576	.....	.....	.....	.....	576	.....	14
22,500	4,580	73,922	270	8,046	12,707	280,108	8,611	509,890	221,171	65	.....	.....	.....	.....	65	.....	15
26,800	7,442	104,950	.....	4,604	29,689	673,858	20,502	1,088,321	393,961	511	.....	.....	.....	.....	511	.....	16
36,950	9,890	195,317	.....	8,092	19,541	300,851	7,220	693,278	387,207	90	.....	.....	.....	.....	90	.....	17
168,579	179,548	1,186,512	47,453	13,463	222,300	3,367,222	93,239	6,188,839	2,728,378	3,790	1,775	.....	.....	675	1,340	89	18
250,649	141,126	2,013,336	2,684	8,568	209,340	7,094,432	363,269	10,988,462	3,530,761	7,767	3,941	3,550	.....	.....	276	3,961	19
9,420	6,504	11,392	.....	4,530	18,709	75,962	8,069	144,176	60,145	408	160	.....	.....	.....	248	.....	20
95,500	106,450	847,962	.....	5,231	182,844	1,199,505	87,770	3,137,771	1,850,496	1,620	180	.....	.....	.....	1,440	.....	21
.....	1,560	57,470	.....	4,147	99	15,704	2,387	110,359	92,268	23	.....	.....	.....	.....	23	.....	22
15,112	3,937	156,717	9,157	8,967	5,120	37,258	3,373	362,407	321,776	53	.....	.....	.....	.....	53	.....	23
18,784	20,110	92,786	.....	6,697	2,680	601,843	14,810	824,632	207,979	409	.....	.....	.....	.....	409	.....	24
311,142	163,968	1,960,704	1,332	31,827	246,804	1,543,741	113,826	5,506,401	3,848,834	3,568	643	.....	231	.....	2,694	246	25
45,896	3,834	135,918	.....	540	57,607	198,407	5,217	499,794	296,170	182	46	.....	.....	.....	136	1	26
152,550	118,485	1,381,564	1,332	23,299	137,007	1,010,712	66,388	3,854,933	2,777,833	2,808	152	.....	231	.....	2,425	.....	27
112,786	41,649	443,222	.....	7,988	52,190	334,622	42,221	1,151,674	774,831	578	445	.....	.....	.....	133	245	28
15,246	3,849	60,907	3,132	5,873	1,007	75,255	2,110	222,912	145,547	82	.....	.....	.....	.....	82	.....	29
.....	.....	5,081	.....	1,920	52	8,332	260	21,497	12,905	8	.....	.....	.....	.....	8	.....	30
15,246	3,849	55,826	3,132	3,953	955	66,923	1,850	201,415	132,642	74	.....	.....	.....	.....	74	.....	31
19,265	4,808	25,727	1,257	4,380	761	55,455	1,595	149,354	92,304	12	.....	.....	.....	.....	12	.....	32
.....	4,258	56,659	418	3,104	351	67,782	1,575	182,636	113,279	16	.....	.....	.....	.....	16	.....	33
45,180	26,333	70,482	.....	14,176	12,098	3,017,715	16,374	3,409,457	375,368	160	45	.....	.....	.....	115	.....	34
1,040	1,900	10,534	.....	3,339	115	10,949	335	42,623	31,339	7	.....	.....	.....	.....	7	.....	35
.....	.....	15,600	.....	1,344	122	53,221	328	90,312	36,763	4	.....	.....	.....	.....	4	.....	36
1,854,992	1,342,640	9,049,421	472,033	354,137	717,367	26,350,636	206,843	47,447,575	20,890,096	4,191	117	.....	4	.....	4,070	.....	37
41,365	22,445	232,532	8,856	9,174	6,468	346,328	4,301	831,362	480,733	175	125	.....	.....	.....	50	59	38
164,705	18,782	602,828	13,193	9,313	101,572	1,652,913	19,293	3,068,645	1,396,439	337	225	.....	.....	.....	112	.....	39
59,360	11,260	159,741	.....	4,306	12,589	227,897	10,126	613,144	375,121	805	315	.....	.....	.....	490	15	40
341,278	618,283	7,384,013	.....	1,412	1,429,980	2,408,982	280,248	18,307,419	15,618,189	7,243	550	1,530	.....	.....	5,163	.....	41
2,145	5,769	69,180	22,327	1,768	1,047	82,938	6,642	240,697	151,117	333	25	.....	90	.....	218	.....	42
18,578	13,267	58,568	.....	2,505	17,182	219,198	5,537	446,398	221,663	79	.....	.....	5	.....	74	.....	43
3,846	3,119	96,144	2,911	4,386	631	32,496	1,587	187,284	153,201	42	.....	.....	.....	.....	42	.....	44
69,174	77,080	98,800	.....	4,340	28,649	2,461,302	14,333	2,946,142	470,507	262	90	.....	.....	.....	172	.....	45

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

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.															
	PROVIDENCE—Continued.															Dollars.
1	Optical goods	5	544	1	46	4	20	473	De 529	Ja 443	533	346	174	10	3	1,048,327
2	Patent medicines and compounds	11	46	6	5	9	8	18	De 23	No 13	22	19	2	1	.....	123,758
3	Photo-engraving	4	19	6	.....	2	1	10	My [3] 12	Ja 7	11	10	1	.....	.....	16,692
4	Printing and publishing, book and job.	65	942	65	62	41	63	711	.....	.....	851	541	289	19	2	1,787,985
5	Job printing	61	919	61	61	39	61	697	De 834	Ja 659	836	533	284	17	2	1,769,268
6	Book publishing without printing and linotype work and typesetting.	4	23	4	1	2	2	14	My [3] 16	Je 11	15	8	5	2	.....	18,717
7	Printing and publishing, newspapers and periodicals.	15	601	6	20	158	66	342	De 379	Ja 308	374	370	2	2	.....	2,485,058
8	Sausage, not made in slaughtering and meat-packing establishments	10	85	12	3	8	3	59	Ja [3] 62	Au 55	62	60	2	.....	.....	268,730
9	Signs and advertising novelties	6	32	5	3	3	2	19	De 23	Fe 15	18	13	4	1	.....	30,454
10	Silversmithing and silverware	8	2,039	6	28	49	22	1,934	Ja 2,511	No 1,728	1,776	1,501	243	25	7	15,102,699
11	Slaughtering and meat packing	4	242	1	12	18	8	203	Oc 312	Je 102	204	158	46	.....	.....	1,644,388
12	Textile machinery and parts	24	1,520	12	64	98	85	1,261	No 1,426	Ap 1,083	1,495	1,370	105	17	3	4,513,866
13	Tobacco, cigars and cigarettes	30	158	29	2	2	2	123	Se 161	My 102	110	69	39	2	.....	308,400
14	Tools, not elsewhere specified	28	383	20	27	13	14	309	.....	.....	344	303	36	3	2	740,360
15	Machinists' tools	8	257	2	20	10	12	213	De 239	Mh 188	239	212	25	2	.....	574,488
16	All other	20	126	18	7	3	2	96	Mh 108	Ja 76	105	91	11	1	2	165,872
17	Woolen and worsted goods	19	9,472	3	156	123	51	9,139	De 10,943	Fe 5,458	11,271	4,992	5,533	299	447	38,367,012
18	All other industries*	256	15,128	217	660	844	622	12,785	.....	.....	13,635	9,266	3,975	144	250	66,465,438

* All other industries embrace—
Awnings, tents, and sails 3
Bags, other than paper, not including bags made in textile mills 2
Baking powders and yeast 2
Belting, woven 1
Blacking, stains, and dressings 1
Bookbinding and blank-book making 4
Boot and shoe findings 4
Boots and shoes, not including rubber boots and shoes 1
Boots and shoes, rubber 1
Brushes 3
Butter 2
Card cutting and designing 4
Carpets, rag 1
Carriage and wagon materials 2
Cars and general shop construction and repairs by steam-railroad companies 2
Cash registers and parts 1
Cheese 1
Chemicals 3
Clocks 1
Clothing, men's 1
Coal-tar products 1
Coffee, roasting and grinding 1
Coffins, burial cases, and undertakers' goods 1
Combs and hairpins, except those made from metal or rubber 1
Cordage and twine 1
Cotton goods 4
Cutlery, pocketknives 2
Dental goods 4
Druggists' preparations 6
Electroplating 22
Emery and other abrasive wheels 1
Engraving, steel and copper plate, including plate printing 7
Engraving, wood 2
Fancy articles, not elsewhere specified 14
Files 3
Fireworks 1
Flags and banners 1
Flavoring extracts 3
Fur goods 2
Galvanizing 1
Gas, illuminating and heating 1
Gas and water meters 1
Gold, leaf and foil 2
Hair work 2
Hardware 2
Hats, fur-felt 1
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills 2
Iron and steel, forgings, not made in steel works or rolling mills 1
Iron and steel, wire nails and spikes 1
Iron and steel, tempering, welding, etc 3
Ivory, shell, and bone work, not including combs and hairpins 3
Japanning 1
Labels and tags 1

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

1	BRISTOL	28	5,938	30	86	526	199	5,097	Ap 5,306	Au 4,942	5,265	3,099	1,917	127	122	24,932,005
2	CENTRAL FALLS	67	4,378	42	140	168	106	3,922	De 4,060	Je 3,783	4,140	2,221	1,802	48	69	16,853,006
3	CRANSTON	55	3,089	44	117	171	100	2,657	No 2,816	Jy 2,533	2,822	2,295	461	21	45	10,951,723
4	CUMBERLAND	26	3,074	14	54	53	35	2,918	De 3,061	Fe 2,813	3,061	1,708	1,152	97	104	12,603,942
5	EAST PROVIDENCE	37	2,601	28	65	152	68	2,288	De 2,566	Ap 2,138	2,447	1,988	432	14	13	9,740,947
6	NEWPORT	87	1,283	88	54	53	56	1,032	My 1,208	Se 893	1,087	809	274	4	.....	2,898,446
7	WARWICK	26	1,485	20	35	29	22	1,379	De 1,521	Mh 1,285	1,391	963	372	34	22	6,203,544
8	WEST WARWICK	39	5,155	26	120	49	41	4,919	De 5,119	Ja 4,692	5,120	3,017	1,807	154	142	18,506,249
9	WOONSOCKET	190	15,623	155	377	414	290	14,387	De 15,750	Fe 11,676	15,792	9,630	5,437	322	403	71,237,671

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.						Electric horsepower generated in establishments reporting.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.																	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*								
84,849	27,638	378,563	.....	11,873	26,730	652,076	9,320	1,423,795	762,399	155	.....	.....	.....	.....	155	.....	1
7,229	14,757	17,681	.....	4,096	1,706	72,239	3,708	178,094	102,147	14	.....	.....	.....	.....	14	.....	2
.....	2,628	10,061	.....	1,813	76	5,361	760	36,909	30,788	5	.....	.....	.....	.....	5	.....	3
233,313	110,844	717,580	13,069	53,900	82,256	878,083	22,054	2,409,054	1,568,917	636	.....	.....	.....	.....	636	.....	4
231,233	109,034	704,327	12,281	52,398	82,094	871,345	21,640	2,430,439	1,537,454	630	.....	.....	.....	.....	630	.....	5
2,080	1,810	13,253	788	1,502	162	6,738	414	38,615	31,463	6	.....	.....	.....	.....	6	.....	6
118,850	330,442	504,236	25,249	31,406	200,972	679,301	31,544	2,698,015	1,987,170	991	900	.....	.....	.....	91	510	7
15,861	5,450	75,368	.....	2,956	17,089	1,520,333	8,802	1,738,412	209,277	251	134	.....	.....	.....	117	.....	8
4,248	3,144	21,873	.....	2,720	135	30,517	603	82,905	51,785	11	.....	.....	.....	.....	11	.....	9
151,708	158,742	2,180,174	317	8,520	193,764	2,926,913	135,730	6,829,806	3,767,163	1,378	475	.....	.....	.....	903	.....	10
34,372	30,698	193,625	.....	.....	36,421	2,982,759	11,886	3,496,890	502,245	425	25	.....	.....	.....	400	.....	11
238,492	215,775	1,543,331	1,685	30,540	398,715	2,189,936	78,755	5,314,722	3,046,031	1,673	480	150	.....	.....	1,043	265	12
10,450	3,549	117,041	.....	6,219	51,839	149,361	2,144	425,816	274,311	3	.....	.....	.....	.....	3	.....	13
105,405	26,580	321,802	7,014	14,497	7,771	295,446	9,327	831,528	526,755	245	.....	.....	.....	.....	245	.....	14
89,315	21,374	224,518	305	4,300	6,604	243,917	5,987	592,839	342,835	161	.....	.....	.....	.....	161	.....	15
16,090	5,206	97,284	6,709	10,197	1,167	51,529	3,340	238,689	183,820	84	.....	.....	.....	.....	84	.....	16
1,819,486	217,924	8,184,894	19,655	428,678	3,981,674	32,915,071	782,877	55,339,050	21,637,102	21,764	11,182	8,919	.....	389	1,274	7,054	17
2,225,658	1,806,886	12,706,733	166,833	239,340	4,112,728	32,867,026	2,721,071	69,906,251	34,378,154	22,682	10,123	390	32	.....	12,137	1,259	18

Lamps	1	Needles, pins, and hooks and eyes	4	Saws	2
Lapidary work	2	Nets and seines	1	Screws, machine	2
Lead, bar, pipe, and sheet	2	Oil and cake, cottonseed	1	Screws, wood	1
Leather goods, not elsewhere specified	3	Oil, composite oil	2	Shipbuilding, steel, new vessels	1
Leather, tanned, curried, and finished	1	Paints	4	Shirts	3
Liquors, malt	2	Perfumery and cosmetics	3	Silk goods	4
Looking-glass and picture frames	3	Petroleum, refining	1	Soap	5
Lubricating greases	2	Phonographs and graphophones	1	Sporting and athletic goods	1
Mattresses and spring beds, not elsewhere specified	8	Pickles and sauces	2	Springs, steel, automobile	1
Millinery and lace goods, not elsewhere specified	5	Plumbers' supplies, not elsewhere specified	2	Stamped ware, not elsewhere specified	1
Mirrors, framed and unframed, not elsewhere specified	1	Regalia, and society badges and emblems	1	Steam fittings and steam and hot-water heating apparatus	3
Musical instruments, organ materials	1	Roofing materials	1	Stencils and brands	1
		Rubber tires, tubes, and rubber goods, not elsewhere specified	3	Stereotyping and electrotyping	1
		Saddlery and harness	2	Stoves and ranges	1
				Structural ironwork, not made in steel works or rolling mills	5
				Surgical appliances	2
				Suspenders, garters, and elastic woven goods	2
				Tinware, not elsewhere specified	2
				Tobacco, smoking	1
				Toys and games	2
				Trunks and valises	1
				Varnishes	1
				Vault lights and ventilators	1
				Vinegar	2
				Waste	1
				Window and door screens	1
				Window shades and fixtures	1
				Wirework, not elsewhere specified	4
				Wood, turned and carved	4
				Wool shoddy	1

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																	
365,769	890,867	4,450,578	96,467	32,551	329,944	8,590,494	202,948	17,841,557	9,048,115	6,932	3,535	300	.....	.....	3,097	867	1
398,060	389,054	4,082,404	454,773	30,753	864,602	11,576,178	422,575	22,628,477	10,629,724	8,770	2,730	.....	3	1,550	4,487	760	2
629,466	369,824	2,816,410	12,177	12,153	949,102	5,414,031	339,487	13,693,723	7,940,205	6,651	3,379	50	2	5	3,215	543	3
167,767	88,858	2,999,705	129,842	5,946	896,801	7,064,153	274,320	15,999,225	8,660,752	10,146	1,625	450	136	1,196	6,739	1,400	4
252,950	310,482	2,526,483	763,336	7,300	1,805,813	11,570,938	522,590	17,591,394	5,497,866	9,613	6,705	1,100	6	.....	1,802	4,022	5
98,131	102,607	1,066,582	429,620	43,510	59,812	1,544,195	144,787	4,166,696	2,477,714	1,892	695	140	290	.....	767	290	6
348,375	63,428	1,434,289	100,463	13,544	253,557	3,558,359	223,388	7,044,984	3,263,237	5,845	4,325	.....	23	640	857	1,184	7
445,391	122,124	4,595,191	60,308	14,473	871,702	12,844,141	434,313	22,163,799	8,885,345	17,725	10,931	800	44	5,554	396	1,490	8
1,844,071	1,052,988	14,192,743	290,761	96,713	4,371,835	59,793,476	1,113,029	93,546,778	32,640,273	34,827	15,748	3,860	107	2,577	12,535	4,114	9

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

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

WASHINGTON

FOURTEENTH CENSUS OF THE UNITED STATES

MANUFACTURES: 1919

SOUTH CAROLINA

Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures

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WASHINGTON

GOVERNMENT PRINTING OFFICE

1921

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 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 for which 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 1919, 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, county, or state, separate reports were secured in order that the figures for each plant might be included in the statistics for the city, county, 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 different from those covered by the class designation, and, on the other hand, may not represent the total product covered by this designation, because some of this class of 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 certain leading industries of the state for more detailed consideration. Sometimes an industry of great importance has to be omitted because it comprises so few establishments that a detailed presentation 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 has been followed in compiling the statistics for 1919 and 1914 when placed in comparison with those for 1909 and prior years. The comparative summary for 1919, 1914, and 1909, therefore, does not show separately all the industries given for 1919 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 1919 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, by sex, without distinction of 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 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 not believed 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 order to determine as nearly as possible the age distribution of the average number of wage earners for a given state as a whole, the per cent distribution by 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 numbers 16 years and over, and under 16, 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 while representing the number according to the pay rolls to whom wages were paid on that date, no doubt represent a larger number than would be required to perform the work in any industry if all were continuously employed during the year.

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, 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 censuses of 1914 and 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 certain Federal taxes and state, county, and local taxes. Under "Federal taxes" there are included the internal revenue tax on manufactures (tobacco, beverages, etc.), excise taxes when included in values reported for products, corporation capital stock tax, and corporation income tax, but not the income tax for individuals and partners.

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 always 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, from a manufacturing standpoint, 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 depreciation or interest, 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.

Fuel.—Statistics of the quantity of fuel used are shown only for anthracite and bituminous coal, coke, fuel oils, gasoline and other volatile oils, and gas—natural and manufactured, and represent the quantity used during the year. As only the principal kinds of fuel are shown, comparison as to the total cost of all fuels is impracticable. A comparison, however, of the total quantities of the several kinds of fuel used in 1919 and 1914 is given.

SOUTH CAROLINA.

GENERAL STATISTICS.

General character of the state.—South Carolina is one of the original thirteen states. Its gross area is 30,989 square miles, of which 30,495 represent land surface. The inhabitants of the state in 1900 numbered 1,340,316; in 1910, 1,515,400; and in 1920, 1,683,724. South Carolina ranked twenty-sixth in population and thirty-ninth in area among the states in 1920 and, with 55.2 inhabitants per square mile, seventeenth in density of population.

The urban population in 1920, that is the population residing in incorporated places of 2,500 or more, was 293,987, or 17.5 per cent of the total as against 14.8 per cent in 1910.

There were within the state in 1920 six cities with a population of more than 10,000—Anderson, Charleston, Columbia, Florence, Greenville, and Spartanburg. The population of these cities in 1920 was 172,784, 10.3 per cent of the total population for the state; while 21.3 per cent of the value of manufactured products in 1919 was reported by these cities.

Importance and growth of manufactures (Table 1).—The abnormal increases in wages, cost of materials, and the value of products being to a great extent due to a change in industrial conditions produced by the World War, the statistics for these items presented in Table 1 can not be used to exactly measure the growth of manufactures between the industrial censuses of 1914 and 1919. However, a comparison of the number of establishments, persons engaged, and the horsepower used in 1919 and 1914 shows a considerable increase in the manufacturing activities of the state.

Statistics for the state, by counties (Table 2).—Figures are not available for a comparison of county totals for other censuses with those for 1919. The statistics for this census emphasizes the importance from a manufacturing standpoint of the counties in which are located the cities of over 10,000 population. These counties reported 46.3 per cent of the total number of wage earners and 51 per cent of the total value of products for the state.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of product does not always show their true importance from a manufacturing standpoint. Their rank might materially change if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries for 1919 will be found in Table 28.

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

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—Comparative figures for Florence are not available, since the city had less than 10,000 inhabitants at censuses prior to 1919.

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

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, this table gives similar data for males and females for all industries combined for the state and for cities of 10,000 inhabitants or more and also the number of females for industries in which a large number of females were employed.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in South Carolina. In that year, 89.2 per cent of the wage earners were included in the groups "60" and "over 60," as compared with 27.5 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state 57.1 per cent were in the classes having less than 6 wage earners, while such establishments employed but 2.8 per cent of the total number of wage earners.

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

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

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

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table shows for the six cities of the state of 10,000 inhabitants or more the establishments grouped by value of products. It was necessary in this table as in Table 12 to combine the establishments of one group with those of some other group to avoid the possibility of disclosing individual operations.

Character of ownership (Table 14).—Although in the state, the individual form of ownership decreased from 1914 the corporate and all other forms increased by a much larger number. The tendency both in state outside and in the cities is for increased proportions which the average number of wage earners and value of products reported by the corporate group formed of the total.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the number of cities over 10,000 in the state increased by one from the previous census, and also the increased importance of the manufactures in the cities.

Principal industries in Charleston, with per cent of total for the state (Table 16).—All industries in Charleston having products over $200,000, for which figures can be shown without disclosing the operations of individual establishments are presented in this table.

Number and horsepower of types of prime movers (Table 17).—A small decrease in the proportion of owned horsepower and nearly similar increase in that of rented (electric) power is noticeable. The largest increase shown was in rented power, both electric and other.

Fuel consumed (Table 18).—This table shows the total quantities of the principal kinds of fuel used by manufacturing plants in the state in 1919 and 1914 and in the cities over 10,000 population in 1919. It also gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel.

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

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE.[1]			
	1919	1914	1909	1904	1899	1914–1919	1909–1914	1904–1909	1899–1904
Number of establishments	2,004	1,885	1,854	1,399	1,369	6.3	1.7	32.5	2.2
Persons engaged	86,360	77,603	78,040	63,071	(2)	11.3	−0.4	23.7	.....
Proprietors and firm members	1,754	1,815	1,737	1,241	(2)	−3.4	4.5	40.0	.....
Salaried employees	5,156	3,964	3,257	2,389	1,419	30.1	21.7	36.3	68.4
Wage earners (average number)	79,450	71,824	73,046	59,441	47,025	10.6	−1.7	22.9	26.4
Primary horsepower	395,556	340,224	276,378	197,479	112,697	16.3	23.1	40.0	75.2
Capital	$374,537,636	$203,210,875	$173,220,870	$113,422,224	$62,750,027	84.3	17.3	52.7	80.8
Salaries and wages	73,078,442	29,051,568	24,117,038	16,223,952	10,437,838	151.5	20.5	48.6	55.4
Salaries	10,513,029	4,878,467	3,756,288	2,355,002	1,307,569	115.5	29.9	59.5	80.1
Wages	62,565,413	24,173,101	20,360,750	13,868,950	9,130,269	158.8	18.7	46.8	51.9
Paid for contract work	685,107	192,410	420,768	159,690	(2)	256.1	−54.3	163.5	.....
Rent and taxes	18,210,823	1,463,958	1,107,856	[3] 616,766	(2)	1,143.9	32.1	.....	.....
Cost of materials	227,986,384	91,008,996	66,350,874	49,968,626	30,485,861	150.5	37.2	32.8	63.9
Value of products	381,452,984	138,891,202	113,235,945	79,376,262	53,335,811	174.6	22.7	42.7	48.8
Value added by manufacture[4]	153,466,600	47,882,206	46,885,071	29,407,636	22,849,950	220.5	2.1	59.4	28.7

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

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

COUNTY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Wages.	Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
The state	2,004	79,450	$62,565,413	$18,210,823	$227,986,384	$381,452,984	$153,466,600	395,556
Abbeville	13	590	475,305	110,004	2,254,141	3,520,484	1,266,343	3,510
Aiken	54	2,833	2,413,047	560,720	7,670,366	12,800,108	5,129,742	17,369
Allendale	8	55	41,800	1,126	15,400	126,918	111,518	360
Anderson	60	6,008	4,016,144	1,660,727	18,142,439	28,452,836	10,310,397	37,149
Bamberg	36	621	549,568	45,287	964,146	1,842,499	878,353	2,510
Barnwell	21	167	147,870	9,089	266,919	572,365	305,446	679
Beaufort	20	332	154,380	9,505	261,836	591,476	329,640	689
Berkeley	24	238	200,115	3,314	125,531	426,668	301,137	1,239
Calhoun	24	123	73,090	8,594	472,349	676,977	204,628	1,160
Charleston	178	7,025	5,818,478	1,239,933	19,854,507	35,144,151	15,289,644	21,145
Cherokee	28	1,585	1,144,018	404,217	3,953,051	7,144,505	3,191,454	10,297
Chester	21	2,250	1,705,970	266,439	6,313,391	10,695,999	4,382,608	7,155
Chesterfield	41	502	387,539	68,893	1,830,102	2,814,203	984,101	2,265
Clarendon	30	552	537,719	48,556	808,243	1,607,518	799,275	3,182
Colleton	39	1,171	1,078,859	34,191	726,801	2,505,722	1,778,921	3,395
Darlington	58	1,448	1,251,377	274,909	5,428,589	8,265,707	2,837,118	8,195
Dillon	17	599	387,207	21,140	1,781,754	2,378,156	596,402	1,981
Dorchester	27	580	480,898	40,525	411,129	1,474,629	1,063,500	2,253
Edgefield	22	250	194,696	14,942	877,812	1,279,731	401,919	1,909
Fairfield	18	435	311,392	130,443	1,518,167	3,263,838	1,745,671	4,011
Florence	78	1,335	1,533,746	51,955	2,684,684	5,204,173	2,519,489	3,176
Georgetown	21	1,653	1,056,986	43,848	619,717	1,877,032	1,257,315	6,283
Greenville	116	8,017	6,884,805	3,293,469	26,674,007	43,862,669	17,188,662	41,012
Greenwood	42	2,777	2,028,878	146,923	9,093,447	13,751,609	4,658,162	13,193
Hampton	26	920	706,966	26,049	504,009	1,633,436	1,129,427	3,693
Horry	25	1,137	799,342	16,796	598,226	2,173,419	1,575,193	3,396
Jasper	15	721	597,519	38,829	443,090	1,301,995	858,905	1,525
Kershaw	56	701	551,069	86,511	3,069,805	4,238,788	1,168,983	4,754
Lancaster	22	1,414	1,036,429	782,789	4,689,497	8,805,177	4,115,680	8,937
Laurens	31	1,635	1,329,485	307,663	4,235,603	8,018,673	3,783,070	8,754
Lee	29	186	154,447	9,070	643,195	978,667	335,472	1,504
Lexington	67	972	694,132	276,573	2,679,354	4,484,872	1,805,518	4,619
McCormick	16	124	70,840	17,576	175,206	523,952	348,746	747
Marion	25	718	660,221	57,647	1,697,888	3,151,918	1,454,030	5,921
Marlboro	38	1,194	960,054	84,854	4,137,193	5,818,143	1,680,950	3,301
Newberry	59	2,032	1,466,493	245,617	6,565,338	10,387,193	3,821,855	11,286
Oconee	37	988	751,856	485,797	3,065,318	5,377,653	2,312,335	5,886
Orangeburg	94	648	518,337	116,675	2,578,222	3,988,085	1,409,863	3,459
Pickens	26	1,762	1,258,393	896,488	5,310,349	8,805,997	3,495,648	10,184
Richland	141	5,512	5,165,784	1,876,800	20,589,064	33,269,660	12,680,596	19,704
Saluda	28	91	74,477	3,074	132,866	293,162	160,296	810
Spartanburg	119	8,924	6,679,428	2,911,859	30,093,778	48,793,848	18,790,070	55,546
Sumter	49	794	649,332	40,938	1,791,966	3,168,504	1,376,538	2,961
Union	25	3,876	2,704,531	515,672	11,218,323	17,884,448	6,666,125	27,624
Williamsburg	29	145	110,628	5,799	94,695	451,640	356,945	1,250
York	51	3,810	2,751,763	918,998	11,014,871	17,623,781	6,608,910	15,578

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

INDUSTRY.	Number of establishments.	WAGE EARNERS. Average number.	WAGE EARNERS. Per cent distribution.	VALUE OF PRODUCTS. Amount (expressed in thousands).	VALUE OF PRODUCTS. Per cent distribution.	VALUE ADDED BY MANUFACTURE. Amount (expressed in thousands).	VALUE ADDED BY MANUFACTURE. Per cent distribution.
All industries	2,004	79,450	100.0	$381,453	100.0	$153,467	100.0
Cotton goods	145	48,079	60.5	228,440	59.9	91,357	59.5
Oil and cake, cottonseed	81	2,480	3.1	38,675	10.1	7,104	4.6
Fertilizers	50	2,765	3.5	30,412	8.0	10,983	7.2
Lumber and timber products	610	11,713	14.7	21,762	5.7	15,667	10.2
Mineral and soda waters	131	644	0.8	5,351	1.4	2,516	1.6
Cars and general shop construction and repairs by steam-railroad companies	8	1,911	2.4	5,138	1.3	2,976	1.9
Lumber, planing-mill products, not including planing mills connected with sawmills	54	865	1.1	4,560	1.2	1,486	1.0
Bread and other bakery products	60	432	0.5	3,282	0.9	1,189	0.8
Printing and publishing, newspapers and periodicals	126	743	0.9	3,135	0.8	2,241	1.5
Flour-mill and gristmill products	30	70	0.1	2,147	0.6	342	0.2
Knit goods	14	781	1.0	2,076	0.5	830	0.5
Ice, manufactured	54	584	0.7	2,012	0.5	1,300	0.8
Automobile repairing	183	532	0.7	1,984	0.5	1,166	0.8
Food preparations, not elsewhere specified	11	58	0.1	1,759	0.5	172	0.1
Confectionery and ice cream	42	204	0.3	1,436	0.4	546	0.4
Brick and tile, terra-cotta, and fire-clay products	23	566	0.7	1,156	0.3	699	0.5
Foundry and machine-shop products	36	391	0.5	1,123	0.3	732	0.5
Gas, illuminating and heating	10	219	0.3	947	0.2	472	0.3
Printing and publishing, book and job	48	279	0.4	870	0.2	560	0.4
Furnishing goods, men's	4	216	0.3	790	0.2	297	0.2
Textile machinery and parts	6	134	0.2	615	0.2	331	0.2
Marble and stone work	35	121	0.2	597	0.2	324	0.2
Paving materials	6	275	0.3	529	0.1	338	0.2
All other industries[1]	237	5,388	6.8	22,657	5.9	9,839	6.4

[1] Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are 10 having products in excess of some for which figures are shown in the table. These industries are as follows: Asbestos products, not including steam packing; automobiles; cordage and twine; dyeing and finishing textiles, exclusive of that done in textile mills; electrical machinery, apparatus, and supplies; jute goods; oil, not elsewhere specified; shipbuilding, steel; tobacco, cigars, and cigarettes; and waste.

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

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL. Male.	PER CENT OF TOTAL. Female.
All classes	1919	86,360	66,933	19,427	77.5	22.5
	1914	77,603	59,627	17,976	76.8	23.2
	1909	78,040	60,944	17,096	78.1	21.9
Proprietors and officials	1919	4,396	4,297	99	97.7	2.3
	1914	3,694	3,630	64	98.3	1.7
	1909	3,333	3,287	46	98.6	1.4
Proprietors and firm members	1919	1,754	1,704	50	97.1	2.9
	1914	1,815	1,768	47	97.4	2.6
	1909	1,737	1,697	40	97.7	2.3
Salaried officers of corporations	1919	1,034	1,008	26	97.5	2.5
	1914	847	834	13	98.5	1.5
	1909	606	603	3	99.5	0.5
Superintendents and managers	1919	1,608	1,585	23	98.6	1.4
	1914	1,032	1,028	4	99.6	0.4
	1909	990	987	3	99.7	0.3
Clerks and other subordinate salaried employees	1919	2,514	1,836	678	73.0	27.0
	1914	2,085	1,757	328	84.3	15.7
	1909	1,661	1,393	268	83.9	16.1
Wage earners (average number)	1919	79,450	60,800	18,650	76.5	23.5
	1914	71,824	54,240	17,584	75.5	24.5
	1909	73,046	56,264	16,782	77.0	23.0
16 years of age and over	1919	76,135	59,011	17,124	77.5	22.5
	1914	63,985	49,859	14,126	77.9	22.0
	1909	63,641	50,848	12,793	79.9	20.1
Under 16 years of age	1919	3,315	1,789	1,526	54.0	46.0
	1914	7,839	4,381	3,458	55.9	44.1
	1909	9,405	5,416	3,989	57.6	42.4

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

INDUSTRY.	Census year.	Wage earners (average number).	PER CENT OF TOTAL. 16 years of age and over. Male.	PER CENT OF TOTAL. 16 years of age and over. Female.	PER CENT OF TOTAL. Under 16 years of age.
All industries	1919	79,450	74.3	21.5	4.2
	1914	71,824	69.4	19.7	10.9
	1909	73,046	69.6	17.5	12.9
Automobile repairing [1]	1919	532	99.5	.....	0.5
Bread and other bakery products	1919	432	81.1	15.7	3.2
	1914	286	91.8	4.7	3.5
Brick and tile, terra-cotta and fire-clay products.	1919	566	98.6	0.2	1.2
	1914	696	96.4	.....	3.6
Cars and general shop construction and repairs by steam-railroad companies.	1919	1,911	98.5	1.4	0.1
	1914	1,431	99.3	0.7	.....
Cotton goods	1919	48,079	63.9	29.8	6.3
	1914	46,448	58.3	26.4	15.3
Fertilizers	1919	2,765	99.9	0.1	.....
	1914	2,050	100.0	.....	.....
Ice, manufactured	1919	584	100.0	.....	.....
	1914	368	98.4	0.9	0.7
Knit goods	1919	781	40.2	54.4	5.4
	1914	771	34.2	44.9	20.9
Lumber and timber products	1919	11,713	99.6	0.3	0.1
	1914	10,400	98.6	.....	1.4
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	865	99.7	0.2	0.1
	1914	629	100.0	.....	.....
Mineral and soda waters	1919	644	97.5	0.9	2.6
	1914	391	97.4	0.6	2.0
Oil and cake, cottonseed	1919	2,480	97.5	2.5	.....
	1914	2,037	99.8	0.1	0.1
Printing and publishing, newspapers and periodicals.	1919	743	76.3	11.6	12.1
	1914	655	84.3	6.9	8.8
All other industries	1919	7,355	70.6	28.1	1.3
	1914	5,662	68.7	25.4	5.9

[1] Figures not available for 1914.

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

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES. Total. 1919	Total. 1914	Total. 1909	16 years of age and over. Male. 1919	Male. 1914	Male. 1909	Female. 1919	Female. 1914	Female. 1909	Under 16 years of age. 1919	1914	1909	VALUE OF PRODUCTS. 1919	1914	1909
Anderson	1,811	1,146	.....	1,207	748	.....	526	250	.....	78	148	.....	$9,036,289	$1,903,562	.....
Charleston	4,228	2,737	2,874	3,004	2,070	2,088	1,103	517	592	121	150	194	18,883,120	5,851,680	$6,950,807
Columbia	4,684	2,228	2,350	3,676	1,876	1,874	891	281	244	117	71	232	27,409,226	6,764,982	5,295,198
Florence	937	.....	.....	910	.....	.....	24	.....	.....	3	.....	.....	3,605,102	.....	.....
Greenville	1,586	1,428	1,182	1,039	839	667	494	447	339	53	142	176	10,206,363	3,879,953	2,142,146
Spartanburg	1,840	1,790	1,773	1,231	1,058	1,074	506	460	474	103	272	225	11,991,312	3,473,135	3,275,711

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

MONTH.	NUMBER.[1]			PER CENT OF MAXIMUM.			MONTH.	NUMBER.[1]			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January	79,274	75,638	73,774	91.3	98.0	96.6	July	76,281	69,244	70,708	87.9	89.7	92.6
February	78,606	76,808	75,696	90.5	99.5	99.1	August	78,550	*68,195*	70,441	90.5	88.4	92.2
March	78,828	**77,166**	**76,373**	90.8	100.0	100.0	September	82,889	69,125	71,951	95.5	89.6	94.2
April	76,361	73,736	72,682	87.9	95.6	95.2	October	83,136	69,467	73,996	95.8	90.0	96.9
May	74,217	71,110	70,310	85.5	92.2	92.1	November	84,268	70,450	74,756	97.1	91.3	97.9
June	*74,165*	69,740	*70,283*	85.4	90.4	92.0	December	**86,825**	71,209	75,585	100.0	92.3	99.0

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

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

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

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries	79,450	79,274	78,606	78,828	76,361	74,217	*74,165*	76,281	78,550	82,889	83,136	84,268	**86,825**	85.4
Males	60,800	60,207	60,224	60,224	57,919	56,206	*56,091*	58,180	60,383	64,010	64,081	65,026	**66,959**	83.8
Females	18,650	18,977	18,382	18,604	18,442	*18,011*	18,074	18,101	18,167	18,879	19,055	19,242	**19,866**	90.7
Automobile repairing	532	495	*493*	501	503	511	524	538	544	550	567	570	**588**	83.8
Bread and other bakery products	432	411	403	*401*	421	423	420	437	441	438	452	459	**469**	85.5
Brick and tile, terra-cotta, and fire-clay products	566	403	*402*	482	528	555	563	619	701	**733**	699	579	528	54.8
Cars and general shop construction and repairs by steam-railroad companies	1,911	*1,660*	1,791	1,836	1,999	1,951	1,799	1,862	1,906	2,083	2,001	2,040	2,004	79.7
Cotton goods	48,079	48,701	47,156	47,309	*46,773*	47,049	47,592	47,297	48,046	49,238	49,071	48,818	**49,898**	93.7
Fertilizers	2,765	3,457	3,865	**4,763**	4,364	2,326	1,994	1,923	1,954	2,079	*1,787*	2,025	2,643	37.5
Ice, manufactured	584	386	388	421	514	649	737	773	**791**	732	613	527	477	48.8
Knit goods	781	734	768	761	781	753	*723*	773	799	805	**837**	803	835	86.4
Lumber and timber products	11,713	10,794	11,009	10,177	8,872	*8,717*	8,975	11,107	12,236	14,202	14,150	14,753	**15,564**	56.0
Lumber, planing-mill products, not including planing mills connected with sawmills	865	813	*792*	815	820	873	879	903	914	886	901	881	903	86.6
Mineral and soda waters	644	*533*	565	570	594	625	649	678	705	**722**	711	690	686	73.8
Oil and cake, cottonseed	2,480	3,036	3,116	2,815	2,158	2,120	1,667	*1,398*	1,513	2,342	3,039	3,341	3,215	41.8
Printing and publishing, newspapers and periodicals	743	*712*	722	719	724	738	738	748	746	760	762	765	782	91.0
All other industries	7,355	7,139	7,136	7,258	7,310	6,927	*6,896*	7,225	7,254	7,319	7,546	8,017	**8,233**	83.8
Industries showing large proportion of females.														
Bread and other bakery products	68	66	63	69	70	69	71	70	67	*61*	72	67	71	84.7
Cotton goods	15,790	16,117	15,476	15,677	15,449	*15,417*	15,542	15,439	15,572	16,112	16,096	16,042	**16,541**	93.2
Knit goods	458	433	452	448	460	446	*417*	451	456	475	497	463	498	83.7
Total for cities	15,086	14,991	15,063	15,332	15,331	14,881	*14,520*	14,648	14,797	15,202	15,084	15,311	**15,872**	91.5
Males	11,338	11,257	11,327	11,602	11,519	11,236	*10,960*	11,041	11,209	11,429	11,247	11,430	**11,859**	91.9
Females	3,748	3,734	3,736	3,730	3,812	3,645	3,620	3,607	*3,588*	3,773	3,837	3,881	**4,013**	89.4
ANDERSON	1,811	1,758	1,732	*1,664*	1,714	1,710	1,684	1,762	1,916	1,934	1,912	1,928	**2,018**	82.5
Males	1,244	1,214	1,219	1,169	1,184	1,190	*1,154*	1,198	1,307	1,329	1,316	1,294	**1,354**	85.2
Females	567	544	513	*495*	530	520	530	564	609	605	596	634	**664**	74.5
CHARLESTON	4,228	*3,917*	3,991	4,354	4,167	4,163	4,222	4,299	4,285	4,365	4,250	4,289	**4,434**	88.3
Males	3,102	*2,969*	2,980	3,269	3,052	3,076	3,068	3,168	3,222	3,181	2,995	3,060	**3,184**	90.8
Females	1,126	*948*	1,011	1,085	1,115	1,087	1,154	1,131	1,063	1,184	**1,255**	1,229	1,250	75.5
COLUMBIA	4,684	**5,447**	5,205	5,139	5,122	4,684	4,241	*4,214*	4,227	4,376	4,387	4,449	4,717	77.4
Males	3,743	4,266	4,113	4,110	4,090	3,758	3,393	*3,357*	3,386	3,494	3,545	3,603	3,801	78.7
Females	941	1,181	1,092	1,029	1,032	926	848	857	*841*	882	842	846	916	71.2
FLORENCE	937	*612*	729	734	877	936	988	1,005	1,018	1,101	1,000	1,133	1,111	54.0
Males	913	*588*	705	709	852	913	965	981	993	1,078	977	1,108	1,087	53.1
Females	24	24	24	25	25	*23*	*23*	24	25	*23*	*23*	25	24	92.0
GREENVILLE	1,586	*1,462*	1,591	1,604	1,586	1,593	1,580	1,543	1,537	1,556	1,637	1,650	1,693	86.4
Males	1,056	*986*	1,061	1,059	1,038	1,049	1,061	1,063	1,025	1,033	1,095	1,088	1,114	88.5
Females	530	*476*	530	545	548	544	519	480	512	523	542	562	579	82.2
SPARTANBURG	1,840	*1,795*	1,815	1,837	1,865	*1,795*	1,805	1,825	1,814	1,870	1,898	1,862	1,899	94.5
Males	1,280	*1,234*	1,249	1,286	1,303	1,250	1,259	1,274	1,276	1,314	1,319	1,277	1,319	93.6
Females	560	561	566	551	562	545	546	551	*538*	556	579	585	580	92.0

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

INDUSTRY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.[1]	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries	1919	79,450	583	379	5,099	1,914	3,562	46,076	18,748	3,089
	1914	71,824	(2)	(2)	1,375	1,112	2,365	2,895	59,956	4,121
	1909	73,046	(2)	(2)	1,431	1,291	1,778	1,391	61,647	5,508
Automobile repairing [3]	1919	532	.....	.....	132	3	125	21	231	20
Bread and other bakery products	1919	432	3	2	110	46	141	23	100	7
	1914	286	(2)	(2)	9	2	74	5	159	37
Brick and tile, terra-cotta, and fire-clay products	1919	566	30	30	.....	35	19	124	311	17
	1914	696	(2)	(2)	24	96	4	50	522	.....
Cars and general shop construction and repairs by steam-railroad companies.	1919	1,911	.....	.....	1,902	.....	.....	.....	4	5
	1914	1,431	.....	.....	.....	307	936	.....	103	85
Cotton goods	1919	48,079	.....	.....	899	.....	1,463	39,555	6,162	.....
	1914	46,448	.....	.....	.....	.....	.....	1,044	45,404	.....
Fertilizers	1919	2,765	.....	.....	5	204	39	1,704	792	21
	1914	2,050	(2)	(2)	20	76	.....	365	1,507	82
Ice, manufactured	1919	584	.....	.....	10	.....	10	6	102	456
	1914	368	.....	.....	.....	.....	38	2	166	162
Knit goods	1919	781	.....	.....	7	3	26	456	289	.....
	1914	771	.....	.....	.....	.....	.....	120	651	.....
Lumber and timber products	1919	11,713	175	75	72	924	420	1,657	8,305	85
	1914	10,400	(2)	(2)	300	319	103	329	7,611	1,738
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	865	11	.....	177	19	124	126	408	.....
	1914	629	(2)	(2)	9	40	33	32	515	.....
Mineral and soda waters	1919	644	42	.....	125	19	137	34	286	1
	1914	391	(2)	(2)	40	6	70	20	252	3
Oil and cake, cottonseed	1919	2,480	.....	.....	7	.....	55	27	437	1,954
	1914	2,037	.....	.....	.....	6	.....	40	220	1,771
Printing and publishing, newspapers and periodicals	1919	743	19	.....	549	29	102	23	21	.....
	1914	655	(2)	(2)	265	53	175	56	106	.....
All other industries	1919	7,355	303	272	1,104	632	901	2,320	1,300	523
	1914	5,662	(2)	(2)	708	207	932	832	2,740	243
Total for cities	1919	15,086	112	176	3,553	452	1,304	6,719	1,762	1,008
	1914	9,329	(2)	(2)	630	408	1,505	999	5,194	593
CHARLESTON	1919	4,228	47	176	1,282	138	829	1,081	452	223
	1914	2,737	(2)	(2)	288	382	618	470	708	271
COLUMBIA	1919	4,684	48	.....	1,263	49	215	2,376	310	423
	1914	2,228	(2)	(2)	250	.....	658	6	1,128	186
GREENVILLE	1919	1,586	.....	.....	145	238	115	696	263	129
	1914	1,428	(2)	(2)	33	10	179	126	1,024	56
SPARTANBURG	1919	1,840	15	.....	73	12	103	1,215	273	149
	1914	1,790	(2)	(2)	31	3	12	391	1,309	44
FLORENCE [4]	1919	937	1	.....	704	15	34	30	71	82
ANDERSON	1919	1,811	1	.....	86	.....	8	1,321	393	2
	1914	1,146	(2)	(2)	28	13	38	6	1,025	36

[1] Includes 48 and under for 1914 and 1909. [2] Corresponding figures not available. [3] Not shown separately in 1914. [4] Less than 10,000 population in 1914.

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

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																	
			No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
	Establishments.	Wage earners (average number).	Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries	2,004	79,450	105	1,040	2,264	429	4,625	167	5,445	79	5,725	98	16,475	49	16,576	31	21,137	6	7,203
Automobile repairing	183	532	10	153	358	20	174												
Bread and other bakery products	60	432	2	37	87	16	166	4	118	1	61								
Brick and tile, terra-cotta, and fire-clay products	23	566		4	7	7	93	11	367	1	99								
Cars and general shop construction and repairs by steam-railroad companies	8	1,911		3	9			1	22			2	449			2	1,431		
Cotton goods	145	48,079				1	9	7	198	11	867	56	9,968	37	12,452	28	18,781	5	5,864
Fertilizers	50	2,765		9	34	12	141	14	473	6	439	7	1,094	2	584				
Ice, manufactured	54	584		29	102	18	222	6	205	1	55								
Knit goods	14	781		1	3	4	46	5	159	1	78	2	237	1	258				
Lumber and timber products	610	11,713	5	390	704	135	1,435	29	929	25	1,846	19	3,218	6	2,242			1	1,339
Lumber, planing-mill products, not including planing mills connected with sawmills	54	865	1	15	38	26	291	9	266	2	163	1	107						
Mineral and soda waters	131	644	9	75	220	46	390	1	34										
Oil and cake, cottonseed	81	2,480		3	10	33	395	31	1,051	11	643	3	381						
Printing and publishing, newspapers and periodicals	126	743	24	75	183	22	234	2	86	3	240								
All other industries	465	7,355	54	246	509	89	1,029	47	1,537	17	1,234	8	1,081	3	1,040	1	925		
Total for cities	464	15,086	30	207	508	128	1,432	57	2,637	18	1,288	12	1,936	6	2,012	4	2,969	2	2,304
ANDERSON	37	1,811	1	12	27	12	125	8	280	1	87			2	680	1	612		
CHARLESTON	140	4,228	16	61	141	32	337	15	547	8	602	5	974	2	702	1	925		
COLUMBIA	112	4,684	5	58	146	25	262	12	382	5	356	4	485			1	749	2	2,304
FLORENCE	40	937	2	24	54	11	127	2	73							1	683		
GREENVILLE	74	1,586	1	33	89	24	288	10	334	2	125	3	477	1	273				
SPARTANSBURG	61	1,840	5	19	51	24	293	10	1,021	2	118			1	357				

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

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	2,004	1,885	1,854	79,450	71,824	73,046	$381,452,984	$138,891,202	$113,235,945	$153,466,600	$47,882,206	$46,885,071
Less than $5,000	570	845	812	621	1,843	2,473	1,293,763	1,838,861	1,744,344	893,074	1,250,650	1,247,783
$5,000 to $20,000	571	471	507	2,388	3,439	4,224	6,180,647	4,749,598	4,912,546	3,916,768	2,827,410	3,200,619
$20,000 to $100,000	434	283	300	5,756	7,059	9,037	19,454,041	13,191,752	13,432,870	9,607,282	5,749,069	6,391,272
$100,000 to $500,000	229	214	218	12,010	44,481	42,296	52,592,280	51,962,683	68,258,491	22,095,110	29,658,110	27,147,965
$500,000 to $1,000,000	95	52		13,175			67,156,308	37,281,874		26,519,066		
$1,000,000 and over	105	20	17	45,500	15,002	15,016	234,775,945	29,866,434	24,887,694	90,435,300	8,396,967	8,897,432
	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	28.4	44.8	43.8	0.8	2.6	3.4	0.3	1.3	1.5	0.6	2.6	2.7
$5,000 to $20,000	28.5	25.0	27.3	3.0	4.8	5.8	1.6	3.4	4.3	2.6	5.9	6.8
$20,000 to $100,000	21.7	15.0	16.2	7.2	9.8	12.4	5.1	9.5	11.9	6.3	12.0	13.6
$100,000 to $500,000	11.4	11.4	11.8	15.1	61.9	57.9	13.8	37.4	60.3	14.4	61.9	57.9
$500,000 to $1,000,000	4.7	2.8		16.6			17.6	26.8		17.3		
$1,000,000 and over	5.2	1.1	0.9	57.3	20.9	20.6	61.5	21.5	22.0	58.9	17.5	19.0

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

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914	1919	1914	Per cent distribution. 1919	Per cent distribution. 1914
BREAD AND OTHER BAKERY PRODUCTS	60	66	100.0	100.0	432	286	100.0	100.0	$3,281,659	$805,602	100.0	100.0	$1,189,045	$300,603	100.0	100.0
Less than $5,000	7	23	11.7	34.8	5	21	1.2	7.3	23,180	55,713	0.7	6.9	12,241	22,167	1.0	7.4
$5,000 to $20,000	19	33	31.7	50.0	37	120	8.6	42.0	206,264	310,803	6.3	38.6	85,138	136,190	7.2	45.3
$20,000 to $100,000	25	10	41.7	15.2	150	145	34.7	50.7	1,114,355	439,086	34.0	54.5	428,939	142,246	36.1	47.3
$100,000 to $500,000	9	.....	15.0	.....	240	.....	55.6	.....	1,937,860	.....	59.1	.....	662,727	.....	55.7	.....
BRICK AND TILE, TERRA-COTTA, AND FIRE-CLAY PRODUCTS	23	31	100.0	100.0	566	696	100.0	100.0	1,155,681	578,819	100.0	100.0	698,549	340,510	100.0	100.0
Less than $5,000	2	12	8.7	38.7	3	52	0.5	7.5	5,950	27,426	0.5	4.7	3,750	19,015	0.5	5.6
$5,000 to $20,000	7	9	30.4	29.0	70	155	12.4	22.3	74,516	101,472	6.4	17.5	49,246	62,936	7.0	18.5
$20,000 to $100,000	10	10	43.5	32.3	329	489	58.1	70.3	599,786	449,921	51.9	77.7	328,373	258,559	47.0	75.9
$100,000 to $500,000	4	.....	17.4	.....	164	.....	29.0	.....	475,429	.....	41.1	.....	317,180	.....	45.4	.....
$500,000 to $1,000,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$1,000,000 and over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
COTTON GOODS	145	148	100.0	100.0	48,079	46,448	100.0	100.0	228,440,242	78,446,145	100.0	100.0	91,356,657	24,556,991	100.0	100.0
$5,000 to $100,000	5	11	3.4	7.4	117	429	0.2	0.9	332,041	605,403	0.1	0.8	91,047	164,386	0.1	0.7
$100,000 to $500,000	20	86	13.8	58.1	2,080	.....	4.3	.....	7,314,111	25,654,555	3.2	32.7	2,703,739	.....	3.0	.....
$500,000 to $1,000,000	41	32	28.3	21.6	7,069	[1] 31,223	14.7	67.2	30,540,723	23,328,290	13.4	29.7	12,629,638	[1] 16,229,951	13.8	66.1
$1,000,000 and over	79	19	54.5	12.8	38,813	14,796	80.7	31.9	190,253,367	28,857,897	83.3	36.8	75,932,233	8,162,654	83.1	33.2
FERTILIZERS	50	55	100.0	100.0	2,765	2,050	100.0	100.0	30,411,575	13,824,659	100.0	100.0	10,982,507	3,508,920	100.0	100.0
$5,000 to $20,000	.....	[2] 4	.....	7.3	.....	11	.....	0.5	.....	52,260	.....	0.4	.....	9,321	.....	0.3
$20,000 to $100,000	9	21	18.0	38.2	41	129	1.5	6.3	682,406	1,020,216	2.2	7.4	147,873	213,221	1.3	6.1
$100,000 to $500,000	19	20	38.0	36.4	360	.....	13.0	.....	5,449,873	5,540,634	17.9	40.1	1,709,853	.....	15.6	.....
$500,000 and over	22	10	44.0	18.2	2,364	[3] 1,910	85.5	93.2	24,279,296	7,211,549	79.8	52.2	9,124,781	[3] 3,286,378	83.1	93.7
ICE, MANUFACTURED	54	36	100.0	100.0	584	368	100.0	100.0	2,012,380	818,223	100.0	100.0	1,299,712	552,688	100.0	100.0
Less than $5,000	3	5	5.6	13.9	5	15	0.9	4.1	8,725	20,368	0.4	2.5	5,378	12,304	0.4	2.2
$5,000 to $20,000	26	17	48.1	47.2	103	101	17.6	27.4	340,188	184,718	16.9	22.6	193,807	121,270	14.9	21.9
$20,000 to $100,000	20	14	37.0	38.9	264	252	45.2	68.5	818,011	613,137	40.6	74.9	494,041	419,114	38.0	75.8
$100,000 to $500,000	5	.....	9.3	.....	212	.....	36.3	.....	845,456	.....	42.0	.....	606,486	.....	46.7	.....
KNIT GOODS	14	6	100.0	100.0	781	771	100.0	100.0	2,076,036	749,394	100.0	100.0	829,850	250,250	100.0	100.0
$20,000 to $100,000	[4] 7	[2] 3	50.0	50.0	99	165	12.7	21.4	354,093	144,892	17.1	19.3	137,544	50,279	16.6	20.1
$100,000 to $500,000	[1] 7	3	50.0	50.0	682	606	87.3	78.6	1,721,943	604,502	82.9	80.7	692,306	199,971	83.4	79.9
LUMBER AND TIMBER PRODUCTS	610	739	100.0	100.0	11,713	10,400	100.0	100.0	21,762,368	9,855,954	100.0	100.0	15,666,903	7,096,741	100.0	100.0
Less than $5,000	286	501	46.9	67.8	348	1,152	3.0	11.1	565,617	952,205	2.6	9.7	421,142	714,984	2.7	10.1
$5,000 to $20,000	176	155	28.9	21.0	1,024	1,630	8.7	15.7	1,869,200	1,455,300	8.6	14.8	1,363,704	1,048,093	8.7	14.8
$20,000 to $100,000	94	56	15.4	7.6	1,882	2,338	16.1	22.5	3,444,155	2,200,521	15.8	22.3	2,446,404	1,476,260	15.6	20.8
$100,000 and over	54	27	8.9	3.7	8,459	5,280	72.2	50.8	15,883,396	5,247,928	73.0	53.2	11,435,653	3,857,404	73.0	54.4
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS	54	48	100.0	100.0	865	629	100.0	100.0	4,559,924	1,557,123	100.0	100.0	1,485,899	571,121	100.0	100.0
Less than $5,000	4	10	7.4	20.8	4	22	0.5	3.5	8,799	20,723	0.2	1.3	6,819	7,518	0.5	1.3
$5,000 to $20,000	11	17	20.4	35.4	42	97	4.9	15.4	139,267	199,508	3.1	12.8	69,056	77,613	4.6	13.6
$20,000 to $100,000	23	19	42.6	39.6	242	405	28.0	64.4	1,086,740	1,050,505	23.8	67.5	363,137	389,857	24.4	68.3
$100,000 to $500,000	16	2	29.6	4.2	577	105	66.7	16.7	3,325,118	286,387	72.9	18.4	1,046,887	96,133	70.5	16.8
OIL AND CAKE, COTTONSEED	81	97	100.0	100.0	2,480	2,037	100.0	100.0	38,674,794	16,379,858	100.0	100.0	7,104,187	2,736,937	100.0	100.0
$20,000 to $100,000 [5]	14	46	17.3	47.4	102	456	4.1	22.4	828,991	2,473,072	2.1	15.1	204,342	452,239	2.9	16.5
$100,000 to $500,000	38	44	46.9	45.4	761	} 1,581	{ 30.7	.....	10,158,948	8,950,832	26.3	54.6	1,681,511	} 2,284,698	{ 23.7	.....
$500,000 to $1,000,000	22	7	27.2	7.2	993		40.0	77.6	15,153,912	4,955,954	39.2	30.3	3,370,389		47.4	83.5
$1,000,000 and over	7	.....	8.6	.....	624	.....	25.2	.....	12,532,943	.....	32.4	.....	1,847,945	.....	26.0	.....
PRINTING AND PUBLISHING, BOOK AND JOB	48	44	100.0	100.0	279	238	100.0	100.0	869,683	532,405	100.0	100.0	560,058	387,284	100.0	100.0
Less than $5,000	20	33	41.7	75.0	13	40	4.7	16.8	46,057	71,917	5.3	13.5	29,197	49,875	5.2	12.9
$5,000 to $20,000	17	5	35.4	11.4	58	30	20.8	12.6	183,388	60,767	21.1	11.4	113,722	40,304	20.3	10.4
$20,000 to $100,000 [3]	11	6	22.9	13.6	208	168	74.6	70.6	640,238	399,721	73.6	75.1	417,139	297,105	74.5	76.7
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS	126	122	100.0	100.0	743	655	100.0	100.0	3,134,951	1,452,858	100.0	100.0	2,241,076	1,145,676	100.0	100.0
Less than $5,000	48	63	38.1	51.6	47	121	6.3	18.5	110,599	182,086	3.5	12.5	82,486	148,113	3.7	12.9
$5,000 to $20,000	53	45	42.1	36.9	159	211	21.4	32.2	520,798	382,737	16.6	26.3	387,537	306,750	17.3	26.8
$20,000 to $100,000	17	11	13.5	9.0	155	169	20.9	25.8	761,175	381,535	24.3	26.3	519,606	289,478	23.2	25.3
$100,000 to $500,000 [1]	8	3	6.3	2.5	382	154	51.4	23.5	1,742,379	506,500	55.6	34.9	1,251,447	401,335	55.8	35.0

[1] Includes group "$500,000 to $1,000,000."
[2] Includes group "less than $5,000."
[3] Includes group "$100,000 to $500,000."
[4] Includes groups "Less than $5,000 and $5,000 to $20,000."
[5] Includes group "$5,000 to $20,000."

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

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
ANDERSON	37	1,811	100.0	$9,036,289	100.0	$3,376,848	100.0
Less than $5,000	3	1	0.1	9,879	0.1	6,309	0.2
$5,000 to $20,000	7	22	1.2	74,523	0.8	41,693	1.2
$20,000 to $100,000	15	168	9.3	736,168	8.1	339,392	10.1
$100,000 to $500,000	7	246	13.6	1,638,947	18.1	359,625	10.6
$500,000 and over	5	1,374	75.9	6,576,772	72.8	2,629,829	77.9
CHARLESTON	140	4,228	100.0	18,883,120	100.0	8,501,695	100.0
Less than $5,000	25	18	0.4	53,506	0.3	35,775	0.4
$5,000 to $20,000	38	112	2.6	441,880	2.3	260,204	3.1
$20,000 to $100,000	44	442	10.5	2,121,517	11.2	981,623	11.5
$100,000 to $500,000	25	1,271	30.1	5,503,040	29.1	2,780,713	32.7
$500,000 to $1,000,000	5	802	19.0	3,856,447	20.4	1,359,808	16.0
$1,000,000 and over	3	1,583	37.4	6,906,730	36.6	3,083,572	36.3
COLUMBIA	112	4,684	100.0	27,409,226	100.0	10,568,006	100.0
Less than $5,000	22	24	0.5	56,262	0.2	33,036	0.3
$5,000 to $20,000	29	99	2.1	334,733	1.2	194,562	1.8
$20,000 to $100,000	35	334	7.1	1,607,270	5.9	702,715	6.6
$100,000 to $500,000	18	627	13.4	3,603,327	13.1	1,558,184	14.7
$500,000 and over	8	3,600	76.9	21,807,634	79.6	8,079,509	76.5
FLORENCE	40	937	100.0	$3,605,102	100.0	$1,680,672	100.0
Less than $5,000	8	8	0.9	18,690	0.5	14,921	0.9
$5,000 to $20,000	14	34	3.6	160,034	4.4	109,039	6.5
$20,000 to $100,000	11	94	10.0	481,496	13.4	194,925	11.6
$100,000 and over	7	801	85.5	2,944,882	81.7	1,361,787	81.0
GREENVILLE	74	1,586	100.0	10,206,363	100.0	3,533,124	100.0
Less than $5,000	10	12	0.8	31,611	0.3	21,242	0.6
$5,000 to $20,000	17	84	5.3	199,542	2.0	127,140	3.6
$20,000 to $100,000	27	323	20.4	1,482,632	14.5	743,480	21.0
$100,000 to $500,000	15	443	27.9	2,823,224	27.7	1,094,316	31.0
$500,000 and over	5	724	45.6	5,669,354	55.5	1,546,946	43.8
SPARTANBURG	61	1,840	100.0	11,991,312	100.0	4,406,202	100.0
Less than $5,000	7	4	0.2	12,301	0.1	8,673	0.2
$5,000 to $20,000	15	76	4.1	150,902	1.3	95,704	2.2
$20,000 to $100,000	22	274	14.9	1,163,568	9.7	596,530	13.5
$100,000 to $500,000	10	240	13.0	1,654,485	13.8	663,160	15.1
$500,000 to $1,000,000	4	240	13.0	2,988,333	24.9	870,972	19.8
$1,000,000 and over	3	1,006	54.7	6,021,723	50.2	2,171,163	49.3

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

INDUSTRY AND CITY.	Census year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.							VALUE OF PRODUCTS.						
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
		Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries	1919	871	728	405	79,450	4,062	72,520	2,868	5.1	91.3	3.6	$381,452,984	$13,478,065	$357,107,899	$10,867,020	3.5	93.6	2.8
	1914	905	642	338	71,824	1,721	64,656	2,447	6.6	90.0	3.4	138,891,202	5,992,528	129,481,783	3,416,891	4.3	93.2	2.5
	1909	940	564	350	73,046	6,243	63,455	3,348	8.5	86.9	4.6	113,235,945	6,816,852	102,403,671	4,015,422	6.0	90.4	3.5
Bread and other bakery products	1919	42	11	7	432	200	200	32	46.3	46.3	7.4	3,281,659	1,284,480	1,620,153	377,026	39.1	49.4	11.5
	1914	51	7	8	286	155	112	19	54.2	39.2	6.6	805,602	425,854	322,774	56,974	52.9	40.1	7.1
Brick and tile, terra-cotta, and fire-clay products	1919	9	8	6	566	147	298	121	26.0	52.6	21.4	1,155,681	319,019	564,402	272,260	27.6	48.8	23.6
	1914	11	12	8	696	162	403	131	23.3	57.9	18.8	578,819	160,636	292,483	125,700	27.8	50.5	21.7
Cars and general shop construction and repairs by steam-railroad companies	1919	.....	7	1	1,911	.....	[1] 1,911	.....	.....	100.0	.....	5,137,658	.....	[1] 5,137,658	.....	.....	100.0	.....
	1914	.....	9	.....	1,431	.....	1,431	.....	.....	100.0	.....	2,064,141	.....	2,064,141	.....	.....	100.0	.....
Cotton goods	1919	.....	144	1	48,079	.....	[1] 48,079	.....	.....	99.9	0.1	228,440,242	.....	[1] 228,440,242	.....	.....	100.0	.....
	1914	1	145	2	46,448	[1] 223	46,225	.....	0.5	99.5	.....	78,446,145	[1] 434,665	78,011,480	.....	0.6	99.4	.....
Ice, manufactured	1919	8	39	7	584	51	492	41	8.7	84.2	7.0	2,012,380	186,541	1,704,274	121,565	9.3	84.7	6.0
	1914	6	26	4	368	33	302	33	9.0	82.1	9.0	818,223	68,540	692,766	56,917	8.4	84.7	7.0
Lumber and timber products	1919	371	85	154	11,713	1,918	8,326	1,469	16.4	71.1	12.5	21,762,368	3,541,249	15,350,285	2,870,834	16.3	70.5	13.2
	1914	496	56	187	10,400	2,849	6,155	1,396	27.4	59.2	13.4	9,855,954	2,515,174	6,001,588	1,339,192	25.5	60.9	13.6
Lumber, planing-mill products, not including planing mills connected with sawmills	1919	13	25	16	865	98	610	157	11.3	70.5	18.2	4,559,924	368,927	3,176,574	1,014,423	8.1	69.7	22.2
	1914	16	22	10	629	83	419	127	13.2	66.6	20.2	1,557,123	216,862	1,080,355	259,906	13.9	69.4	16.7
Oil and cake, cottonseed	1919	3	74	4	2,480	36	2,400	44	1.5	96.8	1.8	38,674,794	278,668	37,673,103	723,023	0.7	97.4	1.9
	1914	4	89	4	2,037	87	1,908	42	4.3	93.7	2.1	16,379,858	297,496	15,832,995	249,367	1.8	96.7	1.5
Printing and publishing, book and job	1919	29	9	10	279	80	132	67	28.7	47.3	24.0	869,683	270,295	421,084	178,304	31.1	48.4	20.5
	1914	31	6	7	238	64	144	30	26.9	60.5	12.6	532,405	115,066	355,446	61,893	21.6	66.8	11.6
Printing and publishing, newspapers and periodicals	1919	42	45	39	743	128	548	67	17.2	73.8	9.0	3,134,951	535,602	2,362,760	236,589	17.1	75.4	7.5
	1914	56	48	18	655	157	459	39	24.0	70.1	6.0	1,452,858	281,802	1,094,150	76,906	19.4	75.3	5.3
Total for cities	1919	168	214	82	15,086	878	13,811	397	5.8	91.5	2.6	81,131,412	4,902,353	72,465,442	3,763,617	6.0	89.3	4.6
	1914	115	152	36	9,329	567	8,571	191	6.1	91.9	2.0	21,873,312	1,233,015	20,168,854	471,443	5.6	92.2	2.2
ANDERSON	1919	12	21	4	1,811	78	1,716	17	4.3	94.8	0.9	9,036,289	577,314	8,357,887	101,088	6.4	92.5	1.1
	1914	9	18	1	1,146	[1] 45	1,101	.....	3.9	96.1	.....	1,903,562	[1] 105,877	1,797,685	.....	5.6	94.4	.....
CHARLESTON	1919	63	61	16	4,228	248	3,927	53	5.9	92.9	1.3	18,883,120	1,293,407	17,274,102	315,611	6.8	91.5	1.7
	1914	55	52	13	2,737	267	2,382	88	9.8	87.0	3.2	5,851,680	640,478	5,010,712	200,490	10.9	85.6	3.4
COLUMBIA	1919	33	50	29	4,684	165	4,425	94	3.5	94.5	2.0	27,409,226	750,372	25,832,605	826,249	2.7	94.2	3.0
	1914	28	31	12	2,228	135	2,042	51	6.1	91.7	2.3	6,764,982	265,100	6,339,097	160,785	3.9	93.7	2.4
FLORENCE [2]	1919	20	15	5	937	78	828	31	8.3	88.4	3.3	3,605,102	428,188	2,981,839	195,075	11.9	82.7	5.4
GREENVILLE	1919	24	40	10	1,586	125	1,398	63	7.9	88.1	4.0	10,206,363	878,991	9,026,649	300,723	8.6	88.4	2.9
	1914	13	29	7	1,428	55	1,345	28	3.9	94.2	2.0	3,879,953	101,109	3,716,517	62,327	2.6	95.8	1.6
SPARTANBURG	1919	16	27	18	1,840	184	1,517	139	10.0	82.4	7.6	11,991,312	974,081	8,992,360	2,024,871	8.1	75.0	16.9
	1914	10	22	3	1,790	65	1,701	24	3.6	95.0	1.3	3,473,135	120,451	3,304,843	47,841	3.5	95.2	1.4

[1] Includes the group "All others."

[2] Not reported separately in 1914.

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

	Census year.	Aggregate.	Cities having a population of 10,000 or over.						The state outside of cities having a population of 10,000 or over.	
			Total.		10,000 to 25,000.		25,000 to 100,000.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places	1919	.....	6	.....	4	.....	2	.....	.....	.....
	1914	.....	5	.....	3	.....	2	.....	.....	.....
	1909	.....	4	.....	2	.....	2	.....	.....	.....
Population [1]	1920	1,683,724	172,784	10.3	67,303	4.0	105,481	6.3	1,510,940	89.7
	1915	1,590,015	142,571	9.0	48,944	3.1	93,627	5.9	1,447,444	91.0
	1910	1,515,400	118,410	7.8	33,258	2.2	85,152	5.6	1,396,990	92.2
Number of establishments	1919	2,004	464	23.2	212	10.6	252	12.6	1,540	76.8
	1914	1,885	303	16.1	112	5.9	191	10.1	1,582	83.9
	1909	1,854	247	13.3	77	4.2	170	9.2	1,607	86.7
Average number of wage earners	1919	79,450	15,086	19.0	6,174	7.8	8,912	11.2	64,364	81.0
	1914	71,824	9,329	13.0	4,364	6.1	4,965	6.9	62,495	87.0
	1909	73,046	8,179	11.2	2,955	4.0	5,224	7.2	64,867	88.8
Value of products	1919	$381,452,984	$81,131,412	21.3	$34,839,066	9.1	$46,292,346	12.1	$300,321,572	78.7
	1914	138,891,202	21,873,312	15.7	9,256,650	6.7	12,616,662	9.1	117,017,890	84.3
	1909	113,235,945	17,663,802	15.6	5,417,857	4.8	12,246,005	10.8	95,572,083	84.4
Value added by manufacture	1919	153,466,600	32,066,547	20.9	12,996,846	8.5	19,069,701	12.4	121,400,053	79.1
	1914	47,882,206	8,345,001	17.4	3,286,613	6.9	5,058,388	10.6	39,537,205	82.6
	1909	46,885,071	6,825,244	14.6	2,104,869	4.5	4,720,375	10.1	40,059,827	85.4

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

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

Industry.	Value of products.				Industry.	Value of products.			
	Amount 1919.	Per cent of total for the state.	Increase over 1914.			Amount 1919.	Per cent of total for the state.	Increase over 1914.	
			Amount.	Per cent.				Amount.	Per cent.
Fertilizers	$2,277,946	7.5	(1)	(1)	Asbestos	.....	(3)	.....	.....
Bread and other bakery products	1,236,896	37.7	$871,032	238.1	Cars and general shop construction and repairs by steam-railroad companies				
Printing and publishing, newspapers and periodicals	565,969	18.1	296,312	109.9	Cotton goods				
Mineral and soda waters	541,377	10.1	448,915	485.5	Gas, illuminating and heating				
Confectionery and ice cream	482,232	33.6	306,171	173.9	Jute goods				
Ice, manufactured	471,528	23.4	369,565	362.5	Oil, not elsewhere specified				
Printing and publishing, book and job	362,848	41.7	168,983	87.2	Shipbuilding, steel				
Automobile repairing	300,844	15.2	(2)	(2)	Tobacco, cigars and cigarettes				
Lumber, planing-mill products, not including planing mills connected with sawmills	291,754	6.4	41,373	16.5					

[1] Figures not shown to avoid disclosure of individual operations. [2] None reported. [3] Relative rank can not be shown without disclosing individual operations.

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

Power.	Number of engines or motors.			Horsepower.					
				Amount.			Per cent distribution.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909
Primary power, total	9,776	6,495	3,140	395,556	340,224	276,378	100.0	100.0	100.0
Owned	1,791	2,077	2,089	257,905	251,956	235,213	65.2	74.1	85.1
Steam [1]	1,408	1,679	1,806	214,719	207,480	195,452	54.3	61.0	70.7
Engines	1,370	(2)	(2)	191,745	(2)	(2)	48.5	.....	.....
Turbines	38	(2)	(2)	22,974	(2)	(2)	5.8	.....	.....
Internal-combustion engines	257	233	153	2,472	2,063	1,264	0.6	0.6	0.5
Water	126	165	130	40,714	42,413	38,497	10.3	12.5	13.9
Water wheels and turbines	118	150	125	40,342	41,969	38,422	10.2	12.3	13.9
Water motors	8	15	5	372	444	75	0.1	0.1	(3)
Rented	7,985	4,418	1,051	137,651	88,268	41,165	34.8	25.9	14.9
Electric	7,985	4,418	1,051	137,561	83,754	41,130	34.8	24.6	14.9
Other	.....	.....	.....	90	4,514	35	(3)	1.3	(3)
Electric	9,260	5,099	1,502	174,148	111,988	67,620	100.0	100.0	100.0
Rented	7,985	4,418	1,051	137,561	83,754	41,130	79.0	74.8	60.8
Generated by establishments reporting	1,275	681	451	36,587	28,234	26,490	21.0	25.2	39.2

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

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

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries 1919	14,451	818,847	17,346	38,265	7,473	35,583
1914	8,589	754,365	13,597	31,290	(1)	3,812
Per cent of increase	68.3	8.5	27.6	46.2	(1)	833.4
Automobile repairing	29	347	6	61	289	1,503
Bread and other bakery products	662	1,041	4,964	129	177	663
Cars and general shop construction and repairs by steam-railroad companies	.....	7,142	.....	138	2	.....
Confectionery and ice cream	27	764	156	.....	11	438
Cotton goods	9,325	467,624	.....	51	78	.....
Dyeing and finishing textiles, exclusive of that done in textile mills	.....	8,005	.....	402	100	.....
Electrical machinery, apparatus and supplies	.....	.....	.....	550	14	.....
Fertilizers	250	20,162	.....	60	532	.....
Flour-mill and gristmill products	.....	1,936	.....	47	993	.....
Foundry and machine-shop products	.....	1,193	1,802	34	68	319
Gas, illuminating and heating	550	19,064	9,505	24,110	.....	.....
Glass	.....	4,250	.....	1,200	.....	.....
Ice, manufactured	1,250	57,954	.....	5,281	296	.....
Jute goods	.....	2,576	.....	79	.....	.....
Knit goods	2	4,961	.....	.....	.....	.....
Lumber and timber products	675	66,100	360	160	689	.....
Mineral and soda waters	90	1,171	15	2,431	2,618	137
Minerals and earths, ground	.....	3,382	.....	.....	73	.....
Oil and cake, cottonseed	1,350	94,051	250	140	12	.....
Paper and wood pulp	.....	7,800	.....	.....	.....	.....
Printing and publishing, newspapers and periodicals	70	1,117	.....	37	474	29,054
Shipbuilding, steel	.....	400	150	5	50	.....
All other industries	171	47,807	138	3,350	997	3,469
Total for cities	944	125,191	15,313	28,089	2,041	34,142
ANDERSON	12	16,945	498	1,438	10	.....
CHARLESTON	495	22,009	5,697	9,377	309	3,228
COLUMBIA	63	30,185	3,351	12,517	160	1,638
FLORENCE	.....	6,016	672	3,301	62	.....
GREENVILLE	139	23,306	4,433	1,435	84	2,316
SPARTANBURG	235	26,730	662	21	1,416	26,960

[1] Included in figures for fuel oils.

SPECIAL STATISTICS.

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

Cotton goods (Table 19).—The materials and products of the cotton-goods industry are shown by kind, quantity, cost, and value for the census years 1919, 1914, and 1909.

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

	1919	1914	1909
MATERIALS.			
Total cost	$137,083,585	$53,889,154	$41,303,438
Cotton:			
Domestic—			
Pounds	379,616,877	372,464,143	322,945,571
Cost	$118,148,478	$46,566,388	$35,284,141
Foreign—			
Pounds	.....	430,188	1,440,207
Cost	.....	$87,591	$249,068
Cotton yarns, purchased:			
Pounds	3,069,245	836,878	487,186
Cost	$1,923,608	$186,530	$89,706
Starch, cost	$873,335	$526,438	$359,679
Chemicals and dyestuffs, cost	$435,736	$118,984	$187,157
Fuel and rent of power, cost	$4,492,731	$2,778,082	$1,977,599
All other materials, cost	$11,209,697	$3,625,141	$3,156,088
PRODUCTS.			
Total value	$228,440,242	$78,446,145	$65,929,585
Woven goods (over 12 inches wide):			
Pounds	304,876,825	(1)	(1)
Square yards	1,283,490,769	1,343,606,066	1,079,066,885
Value	$204,648,028	$70,579,894	$57,508,154
Sheetings—			
Pounds	107,440,543	(1)	
Square yards	472,867,617	928,097,726	
Value	$66,658,695	$45,133,839	
Print cloth—			
Pounds	83,358,158		
Square yards	450,997,849		
Value	$59,358,990		
Tobacco, cheese, butter, bunting, and bandage cloths—			
Pounds	2,110,147	(1)	(1)
Square yards	16,331,816	[2] 110,097,813	[3] 864,624,681
Value	$1,323,511	$4,980,348	$42,762,535
Lawns, nainsooks, cambrics, and similar muslins—			
Pounds	4,997,600		
Square yards	33,213,842		
Value	$5,568,197		
Shirtings—			
Pounds	9,386,681	(1)	
Square yards	43,501,177	24,608,350	
Value	$7,099,092	$1,385,625	
Ginghams—			
Pounds	6,747,880	(1)	(1)
Square yards	36,447,592	25,698,766	29,417,246
Value	$6,324,709	$1,456,884	$1,525,286
Drills—			
Pounds	37,335,862	(1)	(1)
Square yards	96,339,969	98,617,604	75,828,918
Value	$21,243,723	$6,610,701	$5,062,204
Twills, sateens, etc.—			
Pounds	9,161,611	(1)	(1)
Square yards	27,682,951	13,598,202	12,910,370
Value	$6,783,891	$844,701	$797,624
Ticks and denims—			
Pounds	5,432,460	(1)	(1)
Square yards	14,131,800	11,790,017	8,582,717
Value	$3,583,226	$1,135,377	$808,407
Towels, toweling, and terry weaves—			
Pounds	2,487,682	(1)	(1)
Square yards	5,772,656	5,607,434	(1)
Value	$1,834,379	$399,928	(1)
Other woven goods (over 12 inches wide)—			
Pounds	36,418,201	(1)	(1)
Square yards	86,203,500	125,490,154	87,702,953
Value	$24,869,615	$8,632,491	$6,552,098
Yarns, for sale—			
Pounds	29,842,984	27,861,944	32,709,732
Value	$19,610,005	$6,078,250	$6,759,913
Cotton waste, for sale—			
Pounds	32,541,008	40,417,952	29,621,480
Value	$3,177,200	$1,349,787	$850,246
All other products, value	$1,005,009	$438,214	$811,272

[1] Figures not available.
[2] Designated at the census of 1914 as "muslins."
[3] Designated at the census of 1909 as "plain cloths for printing or converting" and "brown or bleached sheetings and shirtings."

The quantity of raw cotton consumed showed a slight increase from 1914 to 1919, but the industry showed a considerable increase in the quantity of cotton yarn purchased for further manufacture.

Strictly comparable figures for each type of cloth in the group comprising sheetings, muslins, and shirtings are not available for the reason that since 1914 certain changes have been effected in the method of reporting.

Fertilizers (Table 20).—The principal fertilizer products are shown in the following table, for 1919, 1914, and 1909:

TABLE 20.—FERTILIZERS: 1919, 1914, AND 1909.

	1919	1914	1909
Total value	$30,411,575	$13,824,659	$9,024,900
Fertilizers: [1]			
Tons	796,041	678,080	512,714
Value	$29,144,996	$12,734,043	$8,728,312
Complete and ammoniated fertilizers—			
Tons	536,856	435,403	278,894
Value	$23,826,506	$9,927,343	$5,815,498
Superphosphates—			
Tons	230,855	175,414	176,005
Value	$4,033,985	$1,467,972	$2,036,220
Other fertilizers—			
Tons	28,330	67,263	57,815
Value	$1,284,505	$1,338,728	$876,594
All other products, value	$1,266,579	$1,090,616	$296,588

[1] In addition cottonseed-oil mills and establishments in other lines of manufacture produced in 1919 49,761 tons of fertilizers valued at $2,222,841; and in 1914, 55,715 tons valued at $1,273,063.

The materials consumed in 1919 included 221,885 tons of phosphate rock, 122,033 tons of purchased superphosphates, 53,759 tons of 50° sulphuric acid, 31,605 tons of pyrites, and 31,755 tons of sulphur, from which was manufactured 164,835 tons of sulphuric acid; giving a total of 218,594 tons of acid. Also, 20,565 tons of ammonium sulphate and cyanamid or lime of nitrogen, and 109,917 tons of tankage, cottonseed meal, and fish.

There were 50 establishments in 1919 primarily engaged in the manufacture of fertilizers. The total output of fertilizers by all establishments, primary and subsidiary, was 845,802 tons, an increase of 15.3 per cent over the production by all mills in 1914. The state ranked third in this industry in 1919, 1914, and 1909.

Lumber and timber products (Table 21).—This table presents statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. Lumbering is one of the oldest manufacturing industries in South Carolina. The period of greatest development in this industry, however, has been since 1890. The lumber reported cut for 1909 was the largest of record and the output for 1919 compared with that for 1909 decreased 30.7 per cent. The relative rank of this state in the production of lumber has remained practically the same for the last three quinquennial censuses. In 1909 and 1919 it ranked twentieth and in 1914 twenty-first.

Yellow pine is by far the most important species cut into lumber and in 1919 this wood contributed 544,475,000 feet, or 87.6 per cent of the total cut. Cypress contributed 27,482,000 feet, or 4.4 per cent; gum 21,917,000 feet, or 3.5 per cent; and oak 11,321,000 feet, or 1.8 per cent. Among other woods sawed into lumber in considerable quantities were tupelo, yellow poplar, ash, maple, and cedar.

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

PRODUCT.	QUANTITY.[1]		
	1919	1914	1909
Lumber.....M feet b. m..	621,679	701,540	897,660
Lath.....thousands..	6,656	(2)	28,303
Shingles.....thousands..	11,932	(2)	122,709

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

Printing and publishing (Table 22).—The following table shows the number of newspapers and periodicals and their aggregate circulation per issue for the census years 1919, 1914, and 1909.

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

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total	146	140	138	439,966	336,165	278,512
Daily	17	16	13	116,722	83,885	51,624
Sunday	9	7	4	79,606	63,783	32,447
Semiweekly[1]	15	18	21	24,665	20,250	44,622
Weekly	85	91	90	159,398	148,597	133,240
Semimonthly	.....	.....	.....	.....	.....	.....
Monthly[2]	20	8	10	59,575	10,650	16,579

[1] Includes three triweeklies in 1919, and one triweekly in 1914 and 1909.
[2] Includes two semimonthlies and three quarterlies in 1919, and one semimonthly and one quarterly in 1909.

Of the daily papers, 10 with a circulation of 51,546 were published in the afternoon. This circulation has increased 64.4 per cent from 1914 to 1919, and 178.4 per cent for the decade.

The seven morning papers had the larger circulation—65,176—an increase of 24 per cent from 1914 to 1919, and 96.8 per cent for the decade.

The increase in the circulation of all publications for the five-year period from 1914 to 1919 is 30.9 per cent and for the decade, 58 per cent. All publications were printed in the English language.

Laundries (Table 23).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. This table, however, summarizes the statistics for such laundries in South Carolina for 1919 and 1914.

TABLE 23.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1914-1919
	1919	1914	
Number of establishments	28	23	.....
Persons engaged	723	588	23.0
Proprietors and firm members	29	24	.....
Salaried employees	69	47	.....
Wage earners (average number)	625	517	20.9
Primary horsepower	654	604	8.3
Capital	$555,911	$265,692	109.2
Salaries and wages	408,672	183,769	122.4
Salaries	91,983	37,213	147.2
Wages	316,689	146,556	116.1
Paid for contract work	5,105	.....	.....
Rent and taxes	27,216	14,899	82.7
Cost of materials	237,036	95,898	147.2
Amount received for work done	833,801	422,212	97.5

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

Dyeing and cleaning (Table 24).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 24.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments	18
Persons engaged	105
Proprietors and firm members	19
Salaried employees	9
Wage earners (average number)	77
Primary horsepower	47
Capital	$78,589
Salaries and wages	64,723
Salaries	15,282
Wages	49,441
Paid for contract work	77
Rent and taxes	8,361
Cost of materials	30,108
Amount received for work done	152,458

Custom gristmills and custom sawmills (Tables 25 and 26).—Summaries of the more important data for custom gristmills and custom sawmills are presented in these tables. These statistics are not included in the general tables nor in the totals for manufacturing industries.

TABLE 25.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1909–1919.
	1919	1909	
Number of establishments	286	378	−24.3
Persons engaged	475	808	−41.2
Proprietors and firm members	352	441	−20.2
Salaried employees	4	4	.....
Wage earners (average number)	119	363	−67.2
Primary horsepower	5,615	7,272	−22.8
Capital	$585,325	$488,198	19.9
Salaries and wages	71,520	37,045	93.1
Salaries	4,025	1,340	200.4
Wages	67,495	35,705	89.0
Paid for contract work	560	.....	.....
Rent and taxes	11,009	(2)	.....
Cost of materials[3]	1,845,524	1,153,398	60.0
Value of products[3]	2,201,909	1,326,931	65.9

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

TABLE 26.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase,[1] 1909–1919.
	1919	1909	
Number of establishments	196	73	.....
Persons engaged	429	271	58.3
Proprietors and firm members	275	100	175.0
Salaried employees	8	1	.....
Wage earners (average number)	146	170	114.1
Primary horsepower	4,685	1,358	245.0
Capital	$229,767	$66,358	246.3
Salaries and wages	84,894	25,847	228.4
Salaries	3,370	500	574.0
Wages	81,524	25,347	221.6
Paid for contract work	200	.....	.....
Rent and taxes	1,786	(2)	.....
Cost of materials	31,783	1,745	1,721.4
Amount received for work done	216,824	62,273	248.2

[1] A minus sign (−) denotes decrease; percentages are omitted where base is less than 100.
[2] Figures not available.

GENERAL TABLES.

Table 27 gives for 1919, 1914, and 1909, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for all industries combined and for selected industries in the state and Charleston; and for cities having 10,000 inhabitants or more similar data for all industries combined.

Table 28 presents, for 1919, for the state as a whole and for Charleston, statistics in detail for each industry for which figures can be shown without disclosing individual operations; and for the five cities having from 10,000 to 50,000 inhabitants, similar data for all industries combined.

TABLE 27.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Census year.	Number of establishments	Wage earners (average number).	Primary horsepower.	Wages.	Cost of materials.	Value of products.
					Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
All industries	1919	2,004	79,450	395,556	$62,565	$227,986	$381,454
	1914	1,885	71,824	340,224	24,173	91,009	138,891
	1909	1,854	73,046	276,378	20,361	66,351	113,236
Bread and other bakery products.	1919	60	432	479	371	2,093	3,282
	1914	66	286	278	114	505	806
	1909	63	369	218	119	724	1,100
Brick, tile, pottery, and other clay products.	1919	26	571	2,138	390	462	1,169
	1914	36	706	3,003	203	240	590
	1909	49	924	3,128	242	276	759
Carriages and wagons, including repairs.	1919	19	63	112	74	77	183
	1914	18	209	313	110	273	500
	1909	23	272	272	104	244	464
Cars and general shop construction and repairs by steam-railroad companies.	1919	8	1,911	713	2,695	2,162	5,138
	1914	9	1,431	842	928	949	2,064
	1909	10	1,418	1,029	687	746	1,499
Confectionery and ice cream	1919	42	204	1,819	140	890	1,436
	1914	22	85	91	32	95	226
	1909	11	22	5	8	37	71
Copper, tin, and sheet-iron work.	1919	13	107	14	132	275	491
	1914	9	71	4	40	61	122
	1909	8	79	54	35	106	200
Cotton goods	1919	145	48,079	267,090	36,402	137,084	228,440
	1914	148	46,448	231,220	14,436	53,889	78,446
	1909	147	45,454	187,716	11,661	41,303	65,930
Fertilizers	1919	50	2,765	10,197	2,124	19,429	30,412
	1914	55	2,050	4,576	803	10,316	13,825
	1909	26	1,851	4,766	671	5,629	9,025
Flour-mill and gristmill products.	1919	30	70	1,352	44	1,805	2,147
	1914	37	30	1,046	12	346	421
	1909	10	23	406	7	308	351
Gas, illuminating and heating.	1919	10	219	950	195	474	947
	1914	12	136	509	68	169	496
	1909	12	127	207	52	114	334
Ice, manufactured	1919	54	584	8,954	466	713	2,012
	1914	36	368	5,271	164	266	818
	1909	32	218	2,964	85	129	433
Knit goods	1919	14	781	787	425	1,246	2,076
	1914	6	771	589	187	499	749
	1909	7	839	597	152	334	655
Lumber and timber products[1]	1919	670	12,732	51,905	10,387	9,368	26,694
	1914	793	11,308	49,551	4,121	3,853	11,658
	1909	851	14,604	49,400	4,378	3,981	13,141
Marble and stone work	1919	35	121	347	138	273	597
	1914	37	193	486	127	128	401
	1909	36	236	142	120	144	426
Mineral and soda waters	1919	131	644	907	489	2,834	5,351
	1914	113	391	325	150	882	1,541
	1909	100	291	398	87	347	740
Oil and cake, cottonseed	1919	81	2,480	28,097	1,865	31,571	38,675
	1914	97	2,037	24,690	639	13,643	16,380
	1909	103	1,765	17,730	467	8,720	10,903
Printing and publishing	1919	174	1,022	1,257	971	1,204	4,005
	1914	166	893	937	531	452	1,985
	1909	161	834	603	412	340	1,601
All other industries	1919	442	6,665	18,438	5,257	16,026	28,399
	1914	225	4,411	13,493	1,508	4,443	7,863
	1909	205	3,720	6,743	1,074	2,869	5,604
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.							
Charleston. All industries.	1919	140	4,228	10,189	3,584	10,381	18,883
	1914	120	2,737	5,165	1,227	3,334	5,852
	1909	116	2,874	4,824	1,013	4,229	6,951
Bread and other bakery products.	1919	17	170	82	148	774	1,237
	1914	19	134	77	57	240	366
	1909	20	253	137	81	505	750
Carriages and wagons, including repairs.	1919	3	18	31	21	13	43
	1914	3	54	71	28	28	73
	1909	3	55	21	20	24	58
Confectionery and ice cream	1919	9	88	150	50	272	482
	1914	4	62	131	26	82	176
Lumber and timber products[1]	1919	7	229	860	197	391	785
	1914	8	367	850	134	254	531
	1909	9	324	898	100	277	497
Mineral and soda waters	1919	7	52	102	41	287	541
	1914	6	25	21	12	50	92
Printing and publishing	1919	16	288	214	207	316	929
	1914	20	169	188	105	99	464
	1909	18	198	465	110	110	468
All other industries	1919	81	3,383	8,750	2,920	8,328	14,866
	1914	60	1,926	3,827	865	2,581	4,150
	1909	66	2,044	3,303	702	3,313	5,178
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.							
ANDERSON	1919	37	1,811	8,843	1,316	5,659	9,036
	1914	28	1,146	5,191	392	1,258	1,904
COLUMBIA	1919	112	4,684	16,646	4,532	16,841	27,409
	1914	71	2,228	9,330	1,091	4,225	6,765
	1909	55	2,522	7,784	927	3,578	5,295
GREENVILLE	1919	74	1,586	5,406	1,266	6,673	10,206
	1914	49	1,428	4,087	553	2,435	3,880
	1909	41	1,182	2,574	365	1,228	2,142
SPARTANBURG	1919	61	1,840	7,191	1,450	7,585	11,991
	1914	35	1,790	5,841	548	2,278	3,473
	1909	36	1,773	4,965	499	2,085	3,276

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

TABLE 28.—DETAILED STATEMENT OF ALL INDUSTRIES

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY. Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc. Male.	Clerks, etc. Female.	Wage earners. Average number.	Wage earners. Number, 15th day of— Maximum month.	Wage earners. Number, 15th day of— Minimum month.	WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY. Total.	16 and over. Male.	16 and over. Female.	Under 16. Male.	Under 16. Female.	Capital.
																Dollars.
1	All industries	2,004	86,360	1,754	2,642	1,836	678	79,450	De 86,825	Je 74,165	(3)	(3)	(3)	(3)	(3)	374,537,636
2	Agricultural implements	3	24	3	2	2	1	16	My [4] 17	Au [4] 15	17	17	.....	.....	.....	93,729
3	Automobile bodies and parts	6	48	8	2	1	3	34	De [4] 37	Je 30	36	35	.....	1	.....	57,469
4	Automobile repairing	183	826	202	47	31	14	532	De 588	Fe 493	599	596	.....	3	.....	2,137,904
5	Awnings, tents, and sails	4	14	4	.....	.....	.....	10	Jy [4] 12	De [4] 7	12	7	5	.....	.....	2,475
6	Bags, other than paper	4	102	6	4	2	2	88	(5) 88	(5) 88	88	31	56	1	.....	133,790
7	Boxes, wooden packing, except cigar boxes.	6	174	2	14	2	2	154	Jy 192	Mh 104	164	152	12	.....	.....	235,824
8	Bread and other bakery products	60	602	56	34	38	42	432	De 469	Mh 401	469	383	71	15	.....	1,102,009
9	Brick and tile, terra-cotta, and fire-clay products.	23	625	21	32	4	2	566	Se 733	Fe 402	589	581	1	7	.....	1,655,526
10	Canning and preserving oysters	9	397	9	12	.....	.....	376	De 695	Au [4] 85	705	220	483	.....	2	262,285
11	Carriages and wagons, including repairs.	19	86	22	1	.....	.....	63	Ja 68	Oc [4] 59	67	67	.....	.....	.....	132,378
12	Cars and general shop construction and repairs by steam-railroad companies.	8	2,030	2	68	34	15	1,911	Se 2,083	Ja 1,660	2,004	1,979	23	2	.....	4,964,639
13	Coffee and spice, roasting and grinding.	4	21	5	3	3	1	9	De 10	Fe 8	12	7	5	.....	.....	76,528
14	Confectionery and ice cream	42	303	47	22	18	12	204	.....	.....	211	159	35	12	5	537,218
15	Confectionery	18	139	20	10	9	6	94	Oc 112	Je 78	107	67	24	11	5	187,385
16	Ice cream	24	164	27	12	9	6	110	Jy 123	Fe 94	104	92	11	1	.....	349,833
17	Copper, tin, and sheet-iron work	13	131	12	4	7	1	107	Au 118	Mh 99	120	120	.....	.....	.....	187,972
18	Cotton goods	145	49,434	2	756	415	182	48,079	De 49,898	Ap 46,773	50,576	32,121	15,251	1,667	1,537	248,327,427
19	Fertilizers	50	3,279	5	198	267	44	2,765	Mh 4,763	Oc 1,787	3,587	3,567	20	.....	.....	33,221,052
20	Flour-mill and gristmill products	30	120	26	21	.....	3	70	De 84	Fe 56	84	83	.....	1	.....	690,986
21	Food preparations, not elsewhere specified.	11	86	13	10	3	2	58	Oc 86	Je 40	73	62	10	1	.....	259,115
22	Foundry and machine-shop products	36	513	36	31	37	18	391	.....	.....	409	408	1	.....	.....	1,434,485
23	Machine shops	27	402	30	25	34	16	297	De 329	Je 282	326	325	1	.....	.....	1,219,033
24	All other	9	111	6	6	3	2	94	Ja 119	De 84	83	83	.....	.....	.....	215,452
25	Furnishing goods, men's	4	230	4	7	3	.....	216	Au 246	Oc 184	197	19	166	.....	12	383,868
26	Furniture	6	55	6	3	13	.....	33	De 35	Ap [4] 32	34	32	2	.....	.....	203,707
27	Gas, illuminating and heating	10	303	.....	33	30	21	219	Mh 224	Fe 215	223	223	.....	.....	.....	2,511,189
28	Ice, manufactured	54	727	23	80	32	8	584	Au 791	Ja 386	646	646	.....	.....	.....	3,859,915
29	Iron and steel, welding	5	12	8	.....	.....	.....	4	Oc 5	Jy 3	6	6	.....	.....	.....	24,272
30	Knit goods	14	832	1	35	7	8	781	Oc 837	Je 723	842	327	469	10	36	2,272,750
31	Lumber and timber products	610	12,973	729	328	155	48	11,713	De 15,564	My 8,717	17,405	17,337	44	24	.....	27,207,614
32	Lumber, planing-mill products, not including planing mills connected with sawmills.	54	1,053	49	86	37	16	865	Au 914	Fe 792	856	853	2	1	.....	2,041,790
33	Marble and stone work	35	196	48	16	6	5	121	Au 138	Fe [4] 10	130	129	.....	1	.....	262,762
34	Mattresses and spring beds, not elsewhere specified.	8	50	12	4	1	.....	33	De 35	Se [4] 32	34	27	7	.....	.....	75,561
35	Mineral and soda waters	131	1,022	119	150	96	13	644	Se 722	Ja 533	694	677	5	12	.....	2,639,781
36	Oil and cake, cottonseed	81	2,972	13	277	169	33	2,480	No 3,341	Jy 1,398	3,242	3,167	75	.....	.....	14,359,320
37	Optical goods	5	65	4	6	4	7	44	De 53	Ja 36	52	37	14	1	.....	99,714
38	Patent medicines and compounds	8	24	6	3	2	2	11	De 14	Ap 9	12	7	5	.....	.....	61,382
39	Paving materials	6	297	6	10	5	1	275	No 288	Jy 265	293	293	.....	.....	.....	428,157
40	Pottery	3	9	3	.....	1	.....	5	Oc [4] 7	De [4] 1	3	3	.....	.....	.....	16,167
41	Printing and publishing, book and job.	48	400	53	23	33	12	279	De [4] 290	May [4] 269	293	220	65	8	.....	712,858
42	Printing and publishing, newspapers and periodicals.	126	1,187	85	118	163	78	743	.....	.....	769	584	90	94	1	2,880,607
43	Printing and publishing	18	406	7	36	93	30	240	De 252	Ja 228	248	158	19	71	.....	806,307
44	Printing, publishing, and job printing.	90	677	75	72	59	37	434	De 456	Ja 416	451	361	68	21	1	1,956,829
45	Publishing without printing	18	104	3	10	11	11	69	De 74	Mh 61	70	65	3	2	.....	117,471
46	Saddlery and harness	5	22	5	1	1	.....	15	(5) 15	(5) 15	15	15	.....	.....	.....	19,135
47	Sausage, not made in meat-packing establishments.	6	26	5	3	4	.....	14	Ja 18	Oc [4] 12	16	13	3	.....	.....	27,258
48	Textile machinery and parts	6	156	6	9	4	3	134	Fe 149	Jy 120	138	113	20	4	1	672,254
49	Turpentine and rosin	22	111	25	2	.....	.....	84	De 92	Ja 71	96	96	.....	.....	.....	109,451
50	Wood, turned and curved	3	57	2	5	1	.....	49	De 56	Ja 44	56	56	.....	.....	.....	66,941
51	All other industries *	98	4,766	61	182	205	79	4,239	.....	.....	4,691	3,134	1,508	16	33	18,088,372

*All other industries embrace—
Artificial stone products 2
Asbestos products, not including steam packing 2
Automobiles 1
Baking powders and yeast 1
Baskets, and rattan and willow ware 1
Belting, leather 1
Bookbinding and blank-book making 1
Boxes, cigar 1
Brooms 1
Canning and preserving, fruits and vegetables 2
Cars and general shop construction and repairs by electric-railroad companies 2
Cleansing and polishing preparations 1
Clothing, horse 1
Clothing, men's 2
Coffins, burial cases, and undertakers' goods 3
Cooperage 3
Cordage and twine 2
Cordials and flavoring sirups 2
Druggists' preparations 3
Dyeing and finishing textiles, exclusive of that done in textile mills 3
Electrical machinery, apparatus, and supplies 2
Engines, steam, gas, and water 1
Engraving and diesinking 1
Flavoring extracts 1
Glass 1
Gloves and mittens, cloth, not including gloves made in textile mills 1
Hand stamps 2

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

COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.										POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.							Electric horsepower generated in establishments reporting.
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.								
7,340,777	3,172,252	62,565,413	685,107	401,565	17,809,258	220,416,614	7,569,770	381,452,984	153,466,600	395,556	191,745	22,974	2,472	40,714	137,651	36,587	1
3,280	1,400	14,585	.....	.....	270	18,009	1,241	46,194	26,944	56	8	.....	.....	.....	48	.....	2
4,699	3,415	32,436	1,500	1,995	477	103,265	2,829	138,286	32,192	57	.....	.....	.....	.....	57	.....	3
75,109	35,191	631,369	976	65,580	36,223	788,879	29,972	1,984,432	1,165,581	851	16	.....	202	.....	633	113	4
.....	.....	11,832	.....	762	31	3,562	260	20,660	16,838	3	.....	.....	.....	.....	3	.....	5
5,122	2,708	42,821	5,080	3,102	1,750	301,958	798	409,067	106,311	12	.....	.....	2	.....	10	5	6
28,561	3,040	115,631	.....	1,585	1,156	191,264	7,321	371,663	173,078	553	455	.....	.....	.....	103	.....	7
93,818	73,578	371,478	.....	31,105	38,914	2,017,339	75,275	3,281,659	1,189,045	479	.....	.....	23	.....	456	.....	8
77,453	5,690	386,726	100	3,200	16,382	174,415	282,717	1,155,681	698,549	2,107	1,660	.....	21	.....	426	.....	9
14,710	.....	118,672	.....	600	2,726	188,493	12,745	420,539	219,301	271	241	.....	30	.....	.....	.....	10
2,080	.....	73,909	.....	2,711	1,817	73,607	2,999	183,253	106,647	112	14	.....	30	.....	68	.....	11
203,595	64,982	2,694,780	5,809	120	4,280	2,132,804	29,347	5,137,658	2,975,507	713	664	.....	17	.....	32	293	12
3,120	3,880	8,628	.....	1,080	4,568	88,430	2,828	128,849	37,501	73	.....	.....	.....	.....	73	.....	13
58,347	39,491	139,980	75	29,134	27,935	862,459	27,428	1,436,080	546,193	1,819	80	.....	.....	.....	1,739	.....	14
19,492	26,220	50,586	.....	12,214	15,783	180,750	6,616	398,636	202,270	115	80	.....	.....	.....	35	.....	15
38,855	13,271	89,394	75	16,920	12,152	672,709	20,812	1,037,444	343,923	1,704	.....	.....	.....	.....	1,704	.....	16
16,172	8,199	131,765	.....	8,384	1,310	273,639	1,824	491,432	215,969	14	.....	.....	3	.....	11	.....	17
2,635,929	716,068	36,401,912	115,833	3,081	14,408,829	132,590,854	4,492,731	228,440,242	91,356,657	267,090	107,352	19,798	.....	39,530	100,410	27,963	18
573,187	502,917	2,124,157	191	19,294	1,209,272	19,179,399	249,669	30,411,575	10,982,507	10,197	1,990	.....	163	.....	8,044	10	19
33,298	12,413	44,147	.....	1,164	5,456	1,778,356	26,701	2,147,216	342,159	1,352	505	20	124	68	635	.....	20
21,080	10,088	42,594	.....	4,059	1,104	1,581,970	5,181	1,759,331	172,180	391	20	.....	.....	.....	371	.....	21
78,685	71,769	448,238	.....	16,768	16,223	357,122	34,207	1,122,981	731,652	603	150	.....	20	.....	433	112	22
70,663	65,619	363,265	.....	13,928	14,132	295,873	25,653	910,894	589,368	423	125	.....	20	.....	278	112	23
8,022	6,150	84,973	.....	2,840	2,091	61,249	8,554	212,087	142,284	180	25	.....	.....	.....	155	.....	24
12,972	2,675	91,322	.....	960	10,167	490,134	2,900	790,437	297,403	41	.....	.....	.....	.....	41	.....	25
8,200	13,321	29,593	13,392	220	660	97,392	2,847	202,793	102,554	67	60	.....	7	.....	.....	20	26
48,155	43,269	194,905	350	1,143	51,828	92,463	381,987	946,732	472,282	950	676	107	125	.....	42	151	27
132,967	44,032	466,240	.....	3,004	43,197	312,699	399,969	2,012,380	1,299,712	8,954	6,845	667	376	.....	1,066	224	28
.....	.....	6,336	.....	1,566	135	9,220	548	35,094	25,326	14	.....	.....	.....	.....	14	.....	29
75,259	31,154	424,780	22,853	6,749	77,072	1,212,093	34,093	2,076,036	829,850	787	525	.....	.....	.....	262	53	30
882,547	284,870	9,637,362	450,130	19,445	351,699	5,890,691	204,774	21,762,368	15,666,903	48,001	45,759	1,392	500	190	160	4,975	31
214,114	58,903	633,860	5,326	15,270	42,986	3,051,129	22,896	4,559,924	1,485,899	3,346	2,220	120	6	.....	1,000	.....	32
28,360	24,712	138,034	4,543	5,752	3,695	264,265	9,092	597,434	324,077	347	.....	.....	58	.....	289	10	33
6,560	58	20,352	.....	1,176	1,288	105,904	1,558	162,443	54,981	78	45	.....	.....	.....	33	.....	34
244,146	96,598	488,624	3,800	36,345	267,778	2,762,783	71,569	5,350,558	2,516,206	907	66	.....	140	10	691	7	35
535,243	284,620	1,864,790	9,402	2,753	442,164	30,890,526	680,081	38,674,794	7,104,187	28,097	16,660	120	330	512	10,475	240	36
14,986	4,159	40,734	.....	3,381	2,834	60,654	602	140,422	79,166	10	.....	.....	.....	.....	10	.....	37
8,000	4,050	6,049	.....	3,390	1,827	98,955	105	160,403	61,343	6	.....	.....	.....	.....	6	.....	38
36,014	12,830	251,128	.....	3,734	1,083	144,584	46,898	529,119	337,637	2,135	800	.....	.....	.....	1,335	.....	39
.....	100	3,100	.....	.....	112	1,970	2,897	13,275	8,408	31	.....	.....	6	.....	25	.....	40
56,052	49,705	255,703	3,001	12,441	29,206	300,652	8,973	869,683	560,058	281	.....	.....	.....	.....	281	.....	41
244,086	241,408	714,718	40,582	38,198	84,733	847,177	46,698	3,134,951	2,241,076	976	2	.....	126	4	844	7	42
70,031	105,622	217,217	20,590	12,765	13,742	334,534	13,061	1,116,042	768,447	322	.....	.....	20	.....	302	.....	43
155,255	108,050	437,301	1,450	23,714	79,475	455,263	30,645	1,748,177	1,262,269	636	2	.....	106	4	524	7	44
18,800	27,736	60,200	18,542	1,719	1,516	57,380	2,992	270,732	210,360	18	.....	.....	.....	.....	18	.....	45
800	700	10,376	.....	1,500	25	25,900	677	48,125	21,548	13	.....	.....	.....	.....	13	3	46
3,000	750	17,996	.....	1,267	390	104,326	2,797	172,056	64,933	69	10	.....	.....	.....	59	.....	47
17,555	19,325	101,461	.....	985	7,543	274,659	8,773	614,758	331,326	287	24	.....	40	.....	223	.....	48
1,500	.....	47,534	550	.....	1,175	61,725	1,408	168,383	105,250	10	.....	.....	10	.....	.....	.....	49
6,600	1,000	29,447	.....	.....	324	11,783	3,063	73,693	58,847	111	16	.....	5	.....	90	.....	50
785,416	399,184	3,255,309	1,614	48,562	608,614	10,599,106	348,492	19,270,325	8,322,727	13,280	4,882	750	108	400	7,140	2,401	51

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

Jewelry 1
Jute goods 2
Lead, bar, pipe, and sheet 1
Liquors, distilled 1
Millinery and lace goods, not elsewhere specified 1
Minerals and earths, ground or otherwise treated 7
Oil, not elsewhere specified 2
Paints 1
Paper and wood pulp 1
Paper goods, not elsewhere specified 1
Pickles, preserves, and sauces 1
Pumps, steam and other power 1
Rice, cleaning and polishing 1
Roofing materials 1
Shipbuilding, steel, including repair work 2
Shipbuilding, wooden, including repair work 1
Shirts 1
Signs and advertising novelties 2
Slaughtering, wholesale 4
Structural ironwork, not made in steel works or rolling mills 1
Sugar, cane 6
Surgical appliances 1
Tinware, not elsewhere specified 1
Tobacco, cigars, and cigarettes 6
Umbrellas and canes 1
Waste 1
Window and door screens 2
Wooden goods, not elsewere specified 2
Worsted goods 1

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

TABLE 28.—DETAILED STATEMENT OF ALL INDUSTRIES

	INDUSTRY AND CITY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.										WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					Capital.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.					Total.	16 and over.		Under 16.		
						Male.	Female.	Average number.	Number, 15th day of—					Male.	Female.	Male.	Female.	
									Maximum month.		Minimum month.							
	CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
1	**CHARLESTON**—All industries	140	4,907	104	215	239	121	4,228	De	4,434	Ja	3,917	4,693	3,344	1,222	103	24	*Dollars.* 18,319,156
2	Automobile repairing	13	87	6	10	4	3	64	Mh	69	De	60	60	60	.....	.....	.....	178,114
3	Bread and other bakery products	17	228	14	11	9	24	170	De	181	Mh	159	182	147	25	10	.....	296,852
4	Carriages and wagons, including repairs.	3	21	3	.....	.....	.....	18	De	18	(4)	(4)	18	18	.....	.....	.....	7,880
5	Confectionery and ice cream	9	114	10	7	5	4	88	My	99	De	75	92	68	14	5	5	172,254
6	Fertilizers	5	317	1	20	19	2	275	Mh	636	Oc	110	415	404	11	.....	.....	3,914,061
7	Foundry and machine-shop products	5	81	6	4	2	1	68	Ja	87	No	57	78	78	.....	.....	.....	72,958
8	Ice, manufactured	3	133	.....	6	3	2	122	Jy	172	Fe	77	167	167	.....	.....	.....	758,965
9	Lumber, planing-mill products	3	92	2	9	2	2	77	Se	90	Ap	62	56	56	.....	.....	.....	215,191
10	Mattresses and spring beds, not elsewhere specified.	4	10	5	.....	.....	.....	5	De	5	(4)	(4)	5	5	.....	.....	.....	15,366
11	Mineral and soda waters	7	75	4	14	4	1	52	Se	60	Ja	45	46	43	2	1	.....	212,607
12	Printing and publishing, book and job.	11	158	10	6	14	8	120	De	126	Ja	114	128	79	45	4	.....	376,983
13	Printing and publishing, newspapers and periodicals.	5	259	.....	20	53	18	168	De	178	Mh	157	173	104	.....	69	.....	313,994
14	All other industries *	55	3,332	43	108	124	56	3,001	.....		.....		3,273	2,115	1,125	14	19	11,783,331

*All other industries embrace—

Asbestos products, not including steam packing 1
Awnings, tents, and sails 2
Bags, other than paper 2
Baking powders and yeast 1
Boxes, cigar 1
Boxes, wooden packing, except cigar boxes 2
Cars and general shop construction and repairs by electric-railroad companies. 1
Cars and general shop construction and repairs by steam-railroad companies. 2
Cleansing and polishing preparations .. 1
Clothing, men's 1
Coffee and spice, roasting and grinding. 2
Copper, tin, and sheet-iron works 1
Cordials and flavoring sirups 1
Cotton goods 2
Druggists' preparations 1
Electrical machinery, apparatus and supplies 1
Engraving and diesinking 1
Food preparations, not elsewhere specified 1

	CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																	
1	ANDERSON	37	1,936	20	61	33	11	1,811	De	2,018	Mh	1,664	2,006	1,327	597	35	47	7,589,105
2	COLUMBIA	112	5,337	95	190	252	116	4,684	Ja	5,447	Jy	4,214	4,815	3,813	884	69	49	24,023,218
3	FLORENCE	40	1,079	31	64	28	19	937	No	1,133	Ja	612	1,116	1,088	24	4	.....	2,924,987
4	GREENVILLE	74	1,870	45	123	85	31	1,586	De	1,693	Ja	1,462	1,685	1,096	533	17	39	6,588,547
5	SPARTANBURG	61	2,086	46	93	77	30	1,840	De	1,899	My	1,795	[4] 1,893	1,263	525	50	55	9,555,381

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

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.							
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.						Electric horsepower generated in establishments reporting.	
											Owned.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.[1]	Rented.[2]		
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.																	
Dollars. 764,206	*Dollars.* 410,823	*Dollars.* 3,583,914	*Dollars.* 17,745	*Dollars.* 87,843	*Dollars.* 518,115	*Dollars.* 9,960,241	*Dollars.* 421,184	*Dollars.* 18,883,120	*Dollars.* 8,501,695	10,189	3,868	854	111	.....	5,356	171	1
11,604	2,600	75,009	.....	7,556	1,580	135,886	4,126	300,844	160,832	53	.....	.....	.....	.....	53	.....	2
39,798	25,357	148,057	.....	9,415	30,590	757,173	16,907	1,236,896	462,816	82	.....	.....	.....	.....	82	.....	3
.....	.....	21,154	.....	1,680	250	12,847	453	43,431	30,131	31	.....	.....	.....	.....	31	.....	4
19,415	16,957	50,388	75	7,292	8,670	265,586	6,616	482,232	210,030	150	80	.....	.....	.....	70	.....	5
47,784	30,450	157,741	.....	3,940	84,807	1,594,133	21,321	2,277,946	662,492	620	530	.....	.....	.....	90	.....	6
8,008	2,784	69,794	.....	7,250	527	29,860	3,182	157,561	124,519	46	.....	.....	.....	.....	46	15	7
16,400	6,876	106,137	.....	720	9,148	54,197	68,786	471,528	348,545	1,439	1,150	.....	15	.....	274	.....	8
18,862	2,924	56,106	.....	.....	2,162	145,633	1,824	291,754	144,297	325	325	.....	.....	.....	.....	.....	9
.....	.....	3,024	.....	576	222	10,185	.....	20,915	10,730	.....	.....	.....	.....	.....	.....	.....	10
28,050	4,372	40,951	250	4,920	55,048	280,275	6,966	541,377	254,136	102	.....	.....	.....	.....	102	.....	11
22,554	33,106	97,438	.....	1,788	24,907	122,988	2,600	362,848	237,260	91	.....	.....	.....	.....	91	.....	12
41,250	58,110	109,848	12,140	600	7,069	184,671	5,277	565,969	376,021	123	.....	.....	.....	.....	123	.....	13
510,481	227,287	2,648,177	5,280	42,106	293,135	6,366,807	283,126	12,129,819	5,479,886	7,127	1,783	854	96	.....	4,394	156	14

Gas, manufactured, illuminating, and heating..... 1
Hand stamps..... 2
Iron and steel, welding..... 1
Jewelry..... 1
Jute goods..... 1
Lumber and timber products..... 2
Marble and stone work..... 3
Millinery and lace goods, including work on materials furnished by others 1
Oil, not elsewhere specified..... 1
Optical goods..... 1
Paints..... 1
Patent medicines and compounds..... 2
Rice, cleaning and polishing..... 1
Saddlery and harness..... 1
Shipbuilding, steel, including repairs .. 1
Slaughtering, wholesale..... 1
Structural ironwork, not made in steel works or rolling mills..... 1
Tobacco, cigars, and cigarettes..... 2
Umbrellas and canes..... 1
Window and door screens..... 1

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

152,529	36,167	1,315,824	2,571	12,335	319,466	5,427,856	231,585	9,036,289	3,376,848	8,843	3,807	.....	35	.....	5,001	5	1
633,016	467,832	4,532,191	38,269	49,166	1,611,149	16,355,531	485,689	27,409,226	10,568,006	16,626	3,210	.....	12	1,400	12,004	1,635	2
141,470	56,260	1,212,275	2,096	15,584	15,062	1,867,202	57,228	3,605,102	1,680,672	1,585	1,048	3	3	.....	531	93	3
298,905	128,181	1,265,725	2,554	49,540	333,085	6,445,836	227,403	10,206,363	3,533,124	5,406	1,439	.....	52	10	3,905	125	4
241,582	142,692	1,450,048	8,149	26,822	473,844	7,389,098	196,012	11,991,312	4,406,202	7,191	4,425	.....	.....	.....	2,766	315	5

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

[4] Same number reported throughout the year.