### NEW JERSEY.

#### INDUSTRIES IN GENERAL.

General character of the state.—New Jersey, with a gross area of 8,224 square miles, of which 710 represent water surface, ranks forty-fifth in size among the 49 states and territories of continental United States. Its population in 1910 was 2,537,167, as compared with 1,883,669 in 1900 and 1,444,933 in 1890. It ranked eleventh among the states and territories as regards population in 1910 and sixteenth in 1900. New Jersey is the third most densely populated state in the Union, its density being 337.7 per square mile in 1910, the corresponding figure for 1900 being 250.7. Seventy-five and two-tenths per cent of the entire population of the state in 1910 resided in cities and other incorporated places having a population of 2,500 or over, as against 70.4 per cent in 1900.

In 1910 the state had 9 cities with a population of over 50,000: Newark, 347,469; Jersey City, 267,779; Paterson, 125,600; Trenton, 96,815; Camden, 94,538; Elizabeth, 73,409; Hoboken, 70,324; Bayonne, 55,545; and Passaic, 54,773. There were also 23 cities and other incorporated places with a population between 10,000 and 50,000. (See table on page 748.) These 32 places contained 64.5 per cent of the total population of the state in 1910 and reported 74.3 per cent of the total value of its manufactured products. Only 10.7 per cent of the population resided in incorporated places having between 2,500 and 10,000 inhabitants.

The industrial prominence of New Jersey is due largely to its exceptionally favorable geographic position and to its splendid transportation facilities, since a large part of the materials used in the manufacturing industries of the state are produced beyond its borders and most of the manufactured products are shipped to outside markets. The proximity of the state to the anthracite coal fields of Pennsylvania, which supply a large portion of the fuel used in its manufacturing industries, and to the markets of New York City and Philadelphia, have been powerful factors in its industrial development. The manufacturing centers of the state are either located on New York Harbor or connected therewith by water or by rail. A total trackage of 2,256 miles 1 of steam railroads was operated within the state in 1909.

<sup>1</sup>Interstate Commerce Commission, Statistics of Railways in the United States, 1909.

Importance and growth of manufactures.-New Jersey is preeminently a manufacturing state. During 1849 an average of 37,830 wage earners, representing 7.7 per cent of the total population, were employed in manufactures, while in 1909 an average of 326,223, or 12.9 per cent of the total population, were so engaged. The total value of the manufactures of the state, including the products of the neighborhood and hand industries, amounted to only \$39,851,000 in 1849, while in 1909, exclusive of the value of the products of the neighborhood and hand industries, it reached \$1,145,529,000, or nearly twenty-nine times the value reported in 1849. The population of the state in 1910, however, was only a little more than five times its population in 1850. The gross value of products per capita of the total population of the state increased from \$81 in 1849 to \$451 in 1909. New Jersey reported 3.9 per cent of the total value of products of the manufacturing industries in the United States in 1849 and 5.5 per cent in 1909, holding sixth place among the states in gross value of manufactures at both censuses.

The table on the following page gives the most important figures relative to all classes of manufactures combined for 1909, 1904, and 1899, together with the percentages of increase from census to census.

In 1909 the state of New Jersey had 8,817 manufacturing establishments, which gave employment to an average of 371,265 persons during the year and paid out \$218,046,000 in salaries and wages. Of the persons employed, 326,223 were wage earners. These establishments turned out products to the value of \$1,145,529,000, to produce which materials costing \$720,033,000 were used. The value added by manufacture was thus \$425,496,000, which figure, as explained in the Introduction, best represents the net wealth created by manufacturing operations during the year.

In general, this table brings out the fact that the manufacturing industries of New Jersey had a greater development during the more recent five-year period, 1904–1909, than during the preceding five-year period, 1899–1904. During the more recent period the number of establishments increased 25.8 per cent and the average number of wage earners 22.5 per cent, while the value of products increased 47.9 per cent and the value added by manufacture 40 per cent. As pointed out in the Introduction, it would be improper to infer that manufactures increased in volume to the full extent indicated by these figures representing values, since the increase shown is certainly due, in part, to the increase that has taken place in the price of commodities.

	1	NUMBER OR AMOUNT.		PER CENT O	F INCREASE.
	1909	1904	1899	1904-1909	1899-1904
Number of establishments Persons engaged in manufactures. Proprietors and firm members. Salaried employees. Wage earners (average number). Primary horsepower. Capital. Expenses. Services Salaries. Wages. Materials. Miscellaneous. Value of products Value added by manufacture (value of products less cost of materials).	371, 265 8, 204 36, 838 326, 223 612, 293 \$977, 172, 000 1, 032, 698, 000 218, 046, 000 48, 336, 000 169, 710, 000	$\begin{array}{r} 7,010\\ 296,262\\ 6,730\\ 23,196\\ 266,336\\ 436,274\\ \$715,060,000\\ 694,128,000\\ 157,126,000\\ 157,126,000\\ 128,169,000\\ 470,449,000\\ 66,553,000\\ 774,369,000\\ 303,920,000 \end{array}$	$\begin{array}{c} 6,415\\(1)\\(1)\\(1)\\(1)\\(2)\\(1)\\(1)\\(1)\\(1)\\(1)\\(1)\\(1)\\(1)\\(1)\\(1$	25.8 25.3 21.9 58.8 22.5 40.3 36.7 48.8 38.8. 66.9 32.4 453.1 42.2 47.9 40.0	9. 3 51. 0 24. 5 35. 3 49. 8 42. 3 37. 6 51. 9 34. 7 40. 5 71. 4 40. 0 39. 2

<sup>1</sup> Figures not available.

The relative importance and growth of the leading manufacturing industries of the state are shown in the table on page 741.

It should be borne in mind, in considering this table, that the value of products in some of the industries involves a certain amount of duplication due to the use of the product of one establishment in the industry as material for another establishment.

The table specifies 79 industries which in 1909 had products in excess of \$500,000 in value. Of the industries listed in the table, there are 3 whose products exceeded \$50,000,000 in value; 5, with products between \$25,000,000 and \$50,000,000; and 16, with products between \$10,000,000 and \$25,000,000; making an aggregate of 24 industries, with products in excess of \$10,000,000. Mention is also made of 19 other industries, with products between \$5,000,000 and \$10,000,000; 28, with products between \$1,000,000 and \$5,000,000; and 8, with products of less than \$1,000,000.

In addition to the industries presented separately in the table, there are 38 other important industries in the state which had products in 1909 exceeding \$1,000,000 in value, distributed as follows: 30, with \$1,000,000 but less than \$5,000,000; 3, with \$5,000,000 but less than \$10,000,000; and 5, with \$10,000,000 and over. These industries are included under the head of "All other industries" in the table, in some cases because the operations of individual establishments would be disclosed if they were shown separately; in others, because the returns do not properly present the true condition of the industry, for the reason that it is more or less interwoven with one or more other industries; and in still others, because comparative sta-

tistics can not be presented for 1904 and 1899 on account of changes in classification.<sup>1</sup> Of the industries which are not presented separately, those which are of special importance are petroleum refining and the refining of cane sugar. The statistics for 1909, however, for 6 of these industries, namely, the manufacture of automobiles, including bodies and parts; blacking and cleansing and polishing preparations; chocolate and cocoa products; men's furnishing goods; signs and advertising novelties; and sulphuric, nitric, and mixed acids are presented separately in Table II, page 774.

There are, as already noted, a very large number of industries which are of considerable importance. Furthermore, it will be seen from Table II that there is a wide diversity in the manufacturing activities of the state. The leading products of the state are refined copper, silk goods, woolen goods, and foundry and machine-shop products. If the several textile industries are combined and considered as a unit they constitute the leading industry of the state. The principal details concerning some of the more important industries are specially considered on pages 742 to 744.

 1 These industries are:

 Automobiles, including bodies and parts.

 Babbitt metal and solder.

 Bags, other than paper.

 Blacking and cleansing and polishing preparations.

 Cohecolate and cocca products.

 Cofee and spice, roasting and grinding.

 Drug grinding.

 Firearms and animunition.

 Files.

 Food preparations.

 Files.

 Gold preparations.

 Files.

 Guesse and shoes, rubber.

 Drug grinding.

 Explosives.

 Files.

 Roduces and tallow.

 Hat and cap materials.

 Vindow

 Iron and steel pipe, wrought.

Lard, refined, not made in slaughtaring and meat-packing establishments. Mineral and soda waters. Oil, cottonseed, and cake. Paving materials. Petroleum, refining. Phonographs and graphophones. Ploes, tobacco. Roofing materials. Swing machines, cases, and attachments. Signs and advertising novelties. Signs refining, not including best sugar. Sugar refining, not including best sugar. Sugar refining materials. Window shades and fixtures. Wirework, including wire rope and cable.

#### 740

		WAGE EA	RNERS,	VALUE OF PRO	DUCTS.	VALUE ADD MANUFACI		PER	CENT O	F INCRE.	ASE.I
INDUSTRY.	Num- ber of estab- lish-	Average	Per cent		Per		Per	Valu prod	ie of ucts.		dded by acture.
	ments.	number.	distri- bution.	Amount.	distri- bution.	Amount.	distri- bution.	1904- 1909	1899- 1904	1904- 1909	1899- 1904
Ail industries	8, 817	326, 223	100.0	\$1, 145, 529, 000	100.0	\$425,496 000	100. 0	47. 9	40.0	40.0	39,2
Smelting and refining, copper. Silk and silk goods, including throwsters. Foundry and machine-shop products. Slaughtering and mest packing. Woolen, worsted, and felt goods, and wool hats	4 348 591 84 33	2, 322 30, 285 27, 815 1, 817 12, 652	0.7 9.3 8.5 0.6 3.9	$\begin{array}{c} 125, 651, 000\\ 65, 430, 000\\ 65, 398, 000\\ 37, 583, 000\\ 33, 939, 000\end{array}$	$     \begin{array}{r}       11.0 \\       5.7 \\       5.7 \\       3.3 \\       3.0 \\       3.0 \\     \end{array} $	$\begin{array}{c} 6,715,000\\ 32,165,000\\ 35,458,000\\ 3,843,000\\ 12,906,000\\ \end{array}$	$     \begin{array}{r}       1.6 \\       7.6 \\       8.3 \\       0.9 \\       3.0 \\       \end{array}   $	$ \begin{array}{r} 100.1 \\ 52.6 \\ 29.4 \\ 111.7 \\ 107.0 \\ \end{array} $	$\begin{array}{r} 63.7 \\ 7.2 \\ 36.5 \\ 24.9 \\ 33.6 \end{array}$	$\begin{array}{r} 68.5 \\ 56.7 \\ 19.2 \\ 128.3 \\ 123.8 \end{array}$	$ \begin{array}{r} -31.5 \\ 11.9 \\ 48.8 \\ 34.6 \\ 24.2 \\ \end{array} $
Wire Leather, tanned, curried, and finished Electrical machinery, apparatus, and supplies Tobacco manufactures. Chemicals	7 80 69 402 50	5, 646 5, 560 11, 099 9, 406 5, 046	1.7 1.7 3.4 2.9 1.5	$\begin{array}{c} 28,858,000\\ 28,431,000\\ 28,365,000\\ 24,177,000\\ 22,824,000 \end{array}$	2.5 2.5 2.5 2.1 2.0	6,560,000 8,233,000 13,939,000 13,381,000 10,567,000	1.5 1.9 3.3 3.1 2.5	32.3 105.5 120.0 75.2	50.4 83.2 5.3 6.7	$\begin{array}{r} 32.3 \\ 101.1 \\ 80.4 \\ 65.3 \end{array}$	$47.7 \\ 73.5 \\ 2.7 \\ 22.7$
Liquors, malt Bread and other bakery products. Rubber goods, not elsewhere specified. Dyeing and finishing textiles. Coton goods, including cotton small wares.	33 1, 217 36 67 26	2, 125 4, 936 4, 255 10, 129 6, 638	$0.7 \\ 1.5 \\ 1.3 \\ 3.1 \\ 2.0$	20, 184, 000 20, 086, 000 19, 543, 000 15, 796, 000 13, 729, 000	1.8 1.7 1.7 1.4 1.2	$\begin{array}{c} 15,303,000\\ 7,891,000\\ 6,511,000\\ 9,443,000\\ 5,164,000 \end{array}$	$3.6 \\ 1.9 \\ 1.5 \\ 2.2 \\ 1.2$	15.7     48.8     304.1     31.9     60.0	$21.3 \\ 65.0 \\ -42.8 \\ 14.2 \\ 23.8$	12.648.9246.936.350.3	17.1 46.3 -32.0 15.9 -8.9
Bosp Lumber and timber products. Jewelry. Pottery, terra-cotta, and fire-clay products. Paint and varnish.	21 416 150 88 63	1,599 4,857 4,008 9,815 1,493	$0.5 \\ 1.5 \\ 1.2 \\ 3.0 \\ 0.5$	13,674,000 13,511,000 13,272,000 13,139,000 12,767,000	$1.2 \\ 1.2 \\ 1.1 $	6,590,000 5,501,000 6,978,000 9,588,000 4,541,000	$1.5 \\ 1.3 \\ 1.6 \\ 2.3 \\ 1.1$	$240.3 \\ 68.9 \\ 42.6 \\ 12.1 \\ 83.2$	$14.3 \\ 26.1 \\ 31.0 \\ 12.1$	233.7 56.9 49.8 9.4 53.7	5,9 31.2 33.6 23.7
Printing and publishing. Iron and steel, steel works and rolling mills. Copper, tin, and sheet-iron products. Olicioth and linoleum. Clothing, men's, including shirts.	$     \begin{array}{r}       684 \\       16 \\       175 \\       10 \\       150     \end{array} $	5,451 4,671 5,002 2,123 6,994	$1.7 \\ 1.4 \\ 1.5 \\ 0.7 \\ 2.1$	$\begin{array}{c} 12,333,000\\ 12,014,000\\ 11,114,000\\ 10,143,000\\ 9,865,000 \end{array}$	1.1 1.0 1.0 0.9 0.9	8,861,000 5,379,000 4,942,000 3,505,000 4,789,000	$2.1 \\ 1.3 \\ 1.2 \\ 0.8 \\ 1.1$	43.0 77.3 86.3 32.8	41.3 132.9 91.4 29.1	39.7 46.7 97.1 19.4	43.1 127.3 60.2 21.7
Gas, illuminating and heating Cars and general shop construction and ropairs by steam- milroad companies Bating and hose, woven and rubber Buting and refaming, not from the oro Shipbuilding, including boat building	47 23 12 14 97	1,917 6,604 2,295 1,057 4,809	0.6 2.0 0.7 0.3 1.5	9,837,000 9,819,000 9,793,000 9,598,000 8,841,000	0.9 0.9 0.8 0.8 0.8	6,982,000 5,185,000 3,822,000 2,371,000 4,592,000	$1.6 \\ 1.2 \\ 0.9 \\ 0.6 \\ 1.1$	54.4 42.3 	69.1 37.0 295.3 60.8	44.0 41.5 -10.3 7.5	62, 6 34, 2 358, 1 49, 4
Hats, fur-felt Boots and shoes, including cut stock and findings Oil, not elsewhere specified Pertilizers. Paper and wood pulp.	58 53 23 22 37	4, 657 4, 232 410 1, 208 2, 223	1.4 1.3 0,1 0.4 0.7	8,825,000 8,042,000 7,851,000 7,672,000 7,554,000	0.8 0.7 0.7 0.7 0.7	4,713,000 8,315,000 1,655,000 1,987,000 2,785,000	$1.1 \\ 0.8 \\ 0.4 \\ 0.5 \\ 0.7$	7.5 6.0 106.4 35.7 49.8	32.3 0.9 62.4 31.7 57.8	$\begin{array}{c} -11.3 \\ -2.2 \\ 128.3 \\ 15.3 \\ 37.8 \end{array}$	48.7 10.7 47.7 50.6 36.6
Glass, Millinery and lace goods. Clothing, women's. Gas and electric fixtures and lamps and reflectors. Flour-mill and gristmill products.	23 179 99 28 238	5,651 4,120 4,216 1,884 453	1.7 1.3 1.3 0.6 0.1	6,961,000 6,895,000 5,927,000 5,771,000 5,538,000	0.6 0.6 0.5 0.5 0.5	4,962,000 3,710,000 3,072,000 2,421,000 977,000	1.2 0.9 0.7 0.6 0.2	7.9 40.5 64.5 1.3	26.6 64.7 36.6 2.7	8.0 50.2 03.4 3.2	27.4 45.6 -8.5 7.6
Cordage and twine and jute and linen goods. Patent medicines and compounds and druggists' prepa- rations. Brass and bronze products. Gold and sliver, reducing and refining, not from the ore Confectionery.	12 111 60 8 71	3,025 1,005 1,265 112 1,263	0.9 0.3 0.4 ( <sup>2</sup> ) 0.4	5, 527, 000 5, 410, 000 5, 131, 000 4, 436, 000 4, 116, 000	0.5 0.4 0.4 0.4 0.4	$1,631,000 \\3,321,000 \\1,776,000 \\525,000 \\1,683,000$	0.4 0.8 0.4 0.1 0.4	64.0 45.8 36.7 -16.0 101.5	14.0 135.7 13.1 134.5 475.5	24, 4 38. 7 26. 9 17. 4 59. 5	9.6 132.5 65.1 179.4 517.0
Brick and tile. Leather goods. Marble and stone work. Clocks and watches, including cases and materials. Hosiery and knit goods.		3,405 1,813 1,479 2,129 2,506	1.0 0.6 0.5 0.7 0.8	4,073,000 4,005,000	0.4 0.3	3,229,000 1,865,000 2,523,000 2,119,000 1,984,000	0.8 0.4	122.6 4.9	0.9 20.7 9.8 102.2 43.0	$116.3 \\ -10.0 \\ 60.2 \\ -7.4 \\ 70.0$	$\begin{array}{r} -2.2 \\ 19.3 \\ 16.9 \\ 129.0 \\ 51.4 \end{array}$
Cement. Canning and preserving. Furniture and refrigerators Corsets. Carriages and wagons and materials.	3 84 49 11 256	1,445 1,818 1,755 1,845 1,601	0.4 0.6 0.5 0.6 0.5	$     \begin{array}{r}       3,725,000 \\       3,664,000 \\       3,614,000 \\       3,336,000 \\       3,250,000 \\       3,250,000 \\     \end{array} $	0.3 0.3 0.3 0.3	$1,672,000 \\1,456,000 \\1,017,000 \\2,031,000 \\1,970,000$	0.4 0.3 0.4 0.5 0.5	27.436.1132.159.46.1	-23.5 69.6 60.5 -11.6	57.4 46.8 100.3 43.9 6.7	-20.6 67.9 94.6 -8.4
Cooperage and wooden goods, not else where specified Silverware and plated ware. Surgical appliances and artificial limbs. Wall paper. Buttons.	43 26 11 8 64	1,0461,2961,4127822,261	0.3 0.4 0.4 0.2 0.7	3,230,000 3,035,000 2,991,000 2,872,000 2,750,000	0.3 0.3 0.2 0.2	$\begin{array}{r} 902,000\\ 1,902,000\\ 1,742,000\\ 1,372,000\\ 1,567,000\end{array}$	0.2 0.4 0.4 0.3 0.4	303.2 -2.2 41.9 37.2 72.7	13.3 44.7 75.7 38.9 55.2	$\begin{array}{r} 141.2 \\ -3.3 \\ 73.5 \\ 29.2 \\ 63.6 \end{array}$	4.5 52.4 59.9 110.7 52.8
Cutlery and tools, not elsewhere specified Boxes, fancy and paper Paper goods, not elsewhere specified Musical instruments, pianos and organs and materials Carpets and rugs, other than rag	6	2,208 2,142 563 1,393 884	0.7 0.7 0.2 0.4 0.3	2,735,000 2,675,000 2,640,000 2,229,000 1,945,000	0.2 0.2 0.2 0.2 0.2 0.2	$1,886,000\\1,489,000\\943,000\\1,153,000\\1,047,000$	0.4 0.4 0.2 0.3 0.2	15.4103.0115.550.911.2	2.846.94.910.914.8	24.9 94.6 179.0 40.6 36.0	$2.6 \\ 53.3 \\ -20.1 \\ 6.6 \\ 17.6$
Brooms and brushes Fancy articles, not elsewhere specified Stoves and furnaces, including gas and oil stoves Ice, manufactured Mattresses and spring beds.	33 31	915 1,112 690 456 496	0.3 0.3 0.2 0.1 0.2	$1,905,000 \\1,841,000 \\1,688,000 \\1,497,000 \\1,323,000$	$0.2 \\ 0.2 \\ 0.1 \\ 0.1 \\ 0.1 \\ 0.1$	954,000 1,013,000 1,114,000 1,111,000 515,000	0.2 0.2 0.3 0.3 0.1	172.5-16.511.2131.081.7	-13.0 -7.8 65.3 67.4	$144.0 \\ -24.5 \\ 3.3 \\ 133.4 \\ 82.0$	3.2 5.9 67.6 53.0
Cars and general shop construction and repairs by street- railroad companies. Dairymen's, poulterers', and apiarists' supplies. Artificial stone. Cark, enting. Agricultural implements.	15 7 97 10 10	826 296 488 418 224	0.3 0.1 0.1 0.1 0.1	$1, 158, 000 \\ 954, 000 \\ 859, 000 \\ 791, 000 \\ 755, 000 \\ \end{array}$	0.1 0.1 0.1 0.1 0.1	544,000724,000565,000381,000428,000	0.1 0.2 0.1 0.1 0.1	55.0 984.1 813.8 108.2 92.6	96.1 62.4 56.8	96.4 1,440.4 796.8 101.6 56.2	43.5 107.7 104.5
Typewriters and supplies. Musical instruments and materials, not specified. Wall plaster Coffins, burial cases, and undertakers' goods. All other industries.	8	272 385 178 212 47,187	0.1 0.1 0.1 0.1 14.4	$\begin{array}{r} 740,000\\ 635,000\\ 613,000\\ 521,000\\ 250,551,000\end{array}$	0.1 0.1 ( <sup>2</sup> ) 21.8	$\begin{array}{r} 462,000\\ 427,000\\ 281,000\\ 256,000\\ 71,714,000\end{array}$	0.1 0.1 0.1 0.1 16,9	$134.9 \\ -26.4 \\ 200.5 \\ 15.0 \\ \dots$	-57.7 -1.9 15.0	$\begin{array}{c} 143.2 \\ -21.7 \\ 195.8 \\ 12.8 \end{array}$	63.0 5.8 2.3

<sup>1</sup> Percentages are based on figures in Table I; a minus sign (--) denotes decrease. Where the percentages are omitted, comparable figures can not be given. <sup>2</sup> Less than one-tenth of 1 per cent.

Textiles .-- The textile industries of New Jersey comprise the manufacture of silk and silk goods, including the operations of throwsters; woolen, worsted, and felt goods, and wool hats; cotton goods, including cotton small wares; fur-felt hats; cordage and twine and jute and linen goods; hosiery and knit goods; carpets and rugs, other than rag; and shoddy. The statistics for the manufacture of shoddy can not be shown without disclosing the operations of individual establishments. Combined, the other seven industries gave employment in 1909 to an average of 60,647 wage earners and the value of their products amounted to \$133,205,000. These figures represent an increase over 1904 of 9,670, or 19 per cent, in the average number of wage earners and \$48,160,000, or 56.6 per cent, in value of products. From 1899 to 1904 the gain in number of wage earners was 4,177, or 8.9 per cent, and that in value of products \$12,405,000, or 17.1 per cent. In 1909, 18.6 per cent of the total number of wage earners employed in the manufacturing industries of the state and 11.6 per cent of the total value of manufactured products were reported for these industries. The corresponding figures for 1904 were 19.1 per cent and 11 per cent, respectively.

Dyeing and finishing textiles.-Closely allied to the textile industry is the dyeing and finishing of textiles. The classification covers the independent establishments bleaching, dyeing, and mercerizing raw fibers, yarns, and woven cloth, as well as the printing of cotton piece goods. A considerable number of the cotton, silk, and woolen mills carry on one or more of these subordinate processes with the primary manufacturing in the same establishment, therefore the statistics for the independent establishments engaged in dyeing and finishing do not represent the full extent of the industry. In 1909 reports for some of the dyeing and finishing establishments in the state included the cost of the materials upon which the work was performed and its value as finished. In such cases the cost and value of these goods were deducted, in order to place all of the reports on a uniform basis and to make the statistics comparable with those for prior censuses, when the value of products represented only the value added to the materials by the processes. From 1904 to 1909 the average number of wage earners in the industry increased 2,532, or 33.3 per cent, and the value of products \$3,816,000, or 31.9 per cent. In 1904 New Jersey was the first state in the Union in this industry, with products valued at \$11,980,000, but although the value of products had increased to \$15,796,000 in 1909, it then held second place.

Smelting and refining, copper.—This industry is confined chiefly in New Jersey to the refining of crude copper. The value of all ore smelted and crude copper refined is included in the cost of materials, and the total value of all products is reported, regardless of whether the materials belonged to the plant reporting or were worked on a toll basis. Measured by value of products, the industry was by far the most impor-

tant in the state in 1909, the value of the output (\$125,651,000) representing 11 per cent of the total value of all manufactured products. From 1904 to 1909 the value of products increased \$62,855,000, or 100.1 per cent, and from 1899 to 1904 the increase was \$24,431,000, or 63.7 per cent. New Jersey ranked first among the states in this industry in 1909, 1904, and 1899.

Foundry and machine-shop products.—This classification includes foundries and machine shops and all allied industries except those which manufacture a distinctive product which is covered by some other classification, such as cash registers and calculating machines, sewing machines, and electrical machinery. The establishments engaged in the manufacture of gas meters, hardware, plumbers' supplies, steam fittings, structural ironwork, and cast-iron pipe, nearly all of which were reported under separate classifications at previous censuses, are all included under this general heading. The industry showed a relatively greater increase in value of products from 1899 to 1904 than from 1904 to 1909, the percentages being 36.5 and 29.4, respectively.

Slaughtering and meat packing.—Under this head are included the wholesale slaughtering and meat-packing establishments and those engaged in the manufacture of sausage only. From 1899 to 1904 the average number of wage earners increased but 154, or 26.1 per cent, and the value of products \$3,539,000, or 24.9 per cent, but the development of the industry was so rapid during the later five-year period, 1904–1909, that the average number of wage earners increased 1,072, or 143.9 per cent, and the value of products \$19,829,000, or 111.7 percent. The industry is confined largely to the northern part of the state, 59.4 per cent of the total value of products being reported from Jersey City alone.

Wire.—This classification includes establishments primarily engaged in drawing wire from purchased wire rods. It does not include the wire product of the wire departments of steel works and rolling mills. The industry shows a remarkable growth for each of the five-year periods.

Leather, tanned, curried, and finished.—This industry includes not only establishments which are engaged primarily in the manufacture of leather, but also those which treat hides or skins for others. The cost of materials and the value of products, however, do not include the value of the hides or skins treated under contract. In 1849 New Jersey was the seventh state of the Union with respect to value of products, reporting 143 establishments, which employed an average of 618 wage earners and turned out products valued at \$1,389,582. In 1909 the state held fourth position, in which year, although only 86 establishments were engaged in the industry, the number of wage earners was nearly nine times as great and the value of products more than twenty times as great as in 1849.

Electrical machinery, apparatus, and supplies.—The rapid extension of the uses of electricity in science and industry has created an increasing demand for appliances with which to utilize such energy. Therefore it was to be expected that the industry would show remarkable development during the decade. Measured by value of products, New Jersey held third place among the states in this industry in 1909, with products valued at \$28,365,000, an increase over 1904 of \$14,562,000, or 105.5 per cent, and for the 10-year period 1899 to 1909 an increase of \$20,832,000, or 276.5 per cent.

Chemicals.—This classification includes the manufacture of acids (except sulphuric, nitric, and mixed acids), sodas, alums, coal-tar products, cyanides, bleaching materials, plastics (celluloid, etc.), compressed or liquefied gases, alkaloids, etc., when they are made as a chief product by the establishment reporting. Chemicals manufactured as by-products in establishments classified under a different head are not included. In 1909 the industry gave employment to 5,046 wage earners, an increase of 1,449, or 40.3 per cent, over the number reported for 1904, and during the same period the value of products increased \$9,800,000, or 75.2 per cent. New Jersey held second rank in this industry in the United States both in 1904 and in 1909.

Manufactures from precious metals.—The manufacture of jewelry is allied closely to the production of silverware and plated ware and the reducing and refining of gold and silver from clippings, sweepings, and scrap. In 1909 these three industries combined employed an average of 5,416 wage earners, and turned out products valued at \$20,743,000. The most important branch of the industry is the manufacture of jewelry, which gave employment to an average of 4,008 wage earners in 1909 and reported products to the value of \$13,272,000. Measured by value of products, New Jersey ranked fourth among the states in the jewelry industry in 1909.

Rubber goods, not elsewhere specified.—This classification includes the manufacture of rubber clothing, automobile, carriage, and bicycle tires, mechanical rubber goods, etc. It does not include the manufacture of rubber boots and shoes, rubber belting and hose, or suspenders, garters, and elastic woven goods. Although there was a decline in value of products from 1899 to 1904 of \$3,622,000, or 42.8 per cent, there was an increase of \$11,085,000, or 131.1 per cent, for the 10-year period from 1899 to 1909. New Jersey held second place among the states in this industry in 1909.

Soap.—The manufacture of soap is an important industry, in which the state held fourth place among the states in 1909, advancing from fifth place in 1904. In 1909 this industry gave employment to an average of 1,599 wage earners and reported products to the value of \$13,674,000, these figures representing increases over the corresponding figures for 1904 of 158.3 per cent and 240.3 per cent, respectively.

Pottery, terra-cotta, and fire-clay products.—The name of New Jersey is intimately associated with this industry, and the state held second rank among the states in the industry at the censuses of 1909, 1904, and 1899. From 1904 to 1909 the average number of wage earners increased 3.5 per cent and the value of products 12.1 per cent, the corresponding increases from 1899 to 1904 being 16.9 per cent and 31 per cent, respectively.

Paint and varnish.—Of the 63 establishments included under this classification in 1909, 37 were engaged primarily in the manufacture of paint, with products valued at \$7,486,000, representing 58.6 per cent of the total for the industry as a whole. From 1904 to 1909 there was an increase in the average number of wage earners of 533, or 55.5 per cent, and in the value of products of \$5,800,000, or 83.2 per cent. Measured by value of products, New Jersey was one of the leading states in the manufacture of paint and varnish at each of the last three censuses, reporting 10.2 per cent of the total value of such products for the United States in 1909, 7.7 per cent in 1904, and 8.9 per cent in 1899.

Oilcloth and linoleum.—New Jersey leads all other states in the production of oilcloth and linoleum, with 43.5 per cent of the value of such products in 1909 and 36.8 per cent in 1904. The value of products reported for the industry in the state, as presented in Table I, shows an increase of \$4,699,000, or 86.3 per cent, from 1904 to 1909. A comparison of the statistics for 1909 and 1899 shows that during the decade the average number of wage earners increased 1,260, or 146 per cent; the value of products, \$7,298,000, or 256.5 per cent; and the value added by manufacture, \$2,395,000, or 215.8 per cent.

It will be seen from the table on page 741 that some of the industries that stand very high in gross value of products hold a comparatively low rank in the average number of wage earners employed and in value added by manufacture. Where this is the case it indicates that the cost of materials represents a large proportion of the total value of products, and that therefore the value added by manufacture, of which wages constitute usually the largest item, is not commensurate with the total value of products. Thus the smelting and refining of copper, which ranks first in gross value of products, and the slaughtering and meat-packing industry, which ranks fourth in that respect, hold thirtieth and forty-fourth places, respectively, with regard to number of wage earners. and fifteenth and twenty-ninth places, respectively. when ranked by value added by manufacture. Similar conditions exist in the wire industry, the manufacture of paint and varnish, and a considerable number of less important industries.

On the other hand, the foundry and machine-shop industry, which ranks third in value of products, ranks first in value added by manufacture and second in number of wage earners; the manufacture of silk goods ranks second both in value of products and in value added by manufacture, and first in number of wage earners; the woolen-goods industry ranks fifth in value of products, sixth in value added by manu-

		WAQE EA	RNERS.	VALUE OF PR	ODUCTS.	VALUE ADD MANUFACI		PER	CENT OF	INCREA	SE.1
INDUSTRY.		fum- er of stab- ish- ents. Average number.		Amount.	Per cent distri-	Amount.	Per cent distri-	Valı prod		Value by m factu	1800-
			distri- bution.	-	bution.		bution.	1904- 1909	1899- 1904	1904- 1909	1899- 1904
All industries	813	4,143	100.0	\$7,898,000	100.0	\$4,637,000	100.0	88.4	40.5	88.6	68.3
Cars and general shop construction and repairs by steam- rallroad companies Lumber and timber products Printing and publishing Flour-mill and gristmill products	11 76 93 16	1,489 1,475 283 28	35.9 35.6 6.8 0.7	2,251,000 2,162,000 589,000 462,000	28.5 27.4 7.5 5.8	$1,288,000 \\ 1,584,000 \\ 468,000 \\ 108,000$	27.8 34.2 10.1 2.3	-10.3 50.7 99.7 19.1	134, 8 212, 6 49, 0 0, 8	-7.0 41.9 95.0 42.1	128.5 257.7 40.3 -20.0
Bread and other bakery products. Ice, manufactured. Brick and tile. All other industries.	32 10 13 62	54 50 92 672	$1.3 \\ 1.2 \\ 2.2 \\ 16.2$	272,000 144,000 123,000 1,895,000	3.4 1.8 1.0 24.0	118,000 102,000 91,000 878,000	2.5 2.2 2.0 18.9	78.9 71.4 51.9	23.6 7.7 5.2	81.5 50.0 44.4	1 7.6

<sup>1</sup> Percentages are based on figures in Table I; a minus sign (-) denotes decrease,

It should be borne in mind, in considering this table, that the value of products in some of the industries involves a certain amount of duplication due to the use of the product of one establishment in the industry as material for another establishment.

The important industries listed in this table, in which they are arranged in the order of the value of products, call for brief consideration.

Cars and general shop construction and repairs by steam-railroad companies.—This industry represents the work done in the car shops operated by steamrailroad companies and is exclusive of minor repairs in roundhouses. Although there may be a limited amount of new construction, the operations consist almost exclusively of repairs to the rolling stock and equipment of the companies reporting. Although there was a slight decrease shown in the total value of products from 1904 to 1909, in the latter year these shops gave employment to an average of 1,489 wage earners and reported products to the value of \$2,251,-000, a greater number of wage earners and a greater value of products than reported for any other manufacturing industry in the territory.

Lumber and timber products.—This industry covers the operations of timber camps, sawmills, and planing mills. It gave employment to 1,475 wage earners in 1909, and the value of its products amounted to \$2,162,000.

Printing and publishing.—The majority of the establishments in this industry are small newspaper and job printing offices, and although the number of establishments is in excess of that reported for any other industry, the number of wage earners and value of products are not correspondingly large. Employment was given to an average of but 283 wage earners, and the total value of products was \$589,000.

Flour-mill and gristmill products.—There were 16 mills reported for this industry, and as a rule were small and located in the rural districts. They gave employment to an average of 28 wage earners and reported \$462,000 as the value of their products.

Measured by value added by manufacture, these industries held a somewhat different rank than when measured by value of products, the lumber industry becoming first in order instead of steam-railroad repair shops, which, in turn, becomes second, while bakery products becomes fourth in order instead of flour-mill and gristmill manufactures, which, in turn, becomes fifth. Owing to the comparatively simple processes involved in the latter industry, and the extent to which these processes are carried on by machinery, the value added by manufacture is not commensurate with the gross value of products or the number of the establishments.

This table shows also the percentages of increase for the leading industries in respect to value of products and value added by manufacture. Of the specified industries, printing and publishing shows the greatest percentage of increase from 1904 to 1909 both in value of products and in value added by manufacture.

In addition to the seven industries presented separately, there are two important industries included in the group "All other industries." One of these is the manufacture of coke, which ranks among the leading industries of the territory, but for which separate figures can not be given without disclosing individual operations. The other is the manufacture of malt liquors, for which comparative figures are not available for prior years, but the 1909 statistics will be found in Table II.

Persons engaged in manufacturing industries.—The table following shows the distribution of the number of persons engaged in manufactures, the average number of wage earners being distributed by sex and age. It should be borne in mind, however, that the sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the Introduction.

The average number of persons engaged in manufactures during 1909 was 4,766. Of these, 4,143 were wage earners, 446 were proprietors and officials, and

Of the total number of persons engaged in all manufacturing industries, 4.7 per cent were proprietors and officials, 7.4 per cent clerks, and 87.9 per cent wage earners. The highest percentage of proprietors and officials is shown for the bakeries. In this industry and in the lumber and the printing and publishing industries the majority of the establishments are small and the work is done to a large extent by the proprietors or their immediate representatives, so that the proportion of persons engaged in these industries falling into the class of proprietors and officials is much higher than for most other industries or for all industries combined. The highest proportion of wage earners is reported for the woolen and worsted goods industry, and the lowest for establishments engaged in the manufacture of oils, "not elsewhere specified," which industry shows the largest percentage of clerks.

The following table shows, for 1909, in percentages, for all industries combined, the distribution of the average number of wage earners by age periods, and for those 16 years of age and over by sex, calculated in the manner described in the Introduction. It also shows, for some of the important industries separately, a similar distribution of wage earners as reported for December 15, or the nearest representative day. As a means of judging the importance of the several industries the average number employed for the year is also given in each case.

		WAGE EA	RNERS.	
		Per	cent of to	 tal.
INDUSTRY.	Average number.1	16 years		Under
	number.	ana	over,	16 years
<u> </u>		Male.	Female.	of age.
All industries.	326, 223	72.5	25.2	2.3
Belting and hose, woven and rubber Boots and shoes, including cut stock and	2,295	86.1	13.5	0.4
findings Bread and other bakery products Cars and general shop construction and re-	4, 232 4, 936	60.8 93.7	36. 3 4. 9	$2.9 \\ 1.4$
pairs by steam-railroad companies.		99.1 90.3	0.8 8.7	(2) 1.0
Clothing, men's, including shirts Copper, tin, and sheet-iron products	6 994	81.5	66.3	2.1
Could goods, including cotton small wares	6.638	80.0 38.1	15.1 52.9	4,9 8,9
Dyeing and finishing textiles. Electrical machinery, apparatus, and sup-	10,129	85,6	13.4	1.1
Fertilizers.	11,099 1,208	59.9 98.5	$39.3 \\ 1.2$	0.7
as illuminating and heating	27,815	96.5 99.9	$2.8 \\ 0.1$	0.7
ron and steel steel works and rolling mills	4,657	77.6	20.7	1.
ewelry. .eather, tanned, curried, and finished. 	4,671 4,008	72.4	0.5	0.1 4.1
Journer, tailed, curried, and finished.	5,560 2,125	97.3	1.0 (2)	1.7
aimber and timber products lil, not elsewhere specified		98.2	1.2	0.0
		91.9	7.9	0.1
aint and varnish. aper and wood pulp.		92.2	7.6	0, 1
		91.5	$\begin{array}{c} 7.2\\11.3\end{array}$	1.1
rinting and publishing.		81.5	16.5	2.0
		85.9 100.0	12.4	1.1
		43.5	(2) 52. 9	3, 1
laughtering and meat packing	1,817 2,322	95.7	4.2	0.1
melting and refining, copper	1,057	100.0	]	
obacco manufactures	T, 999	06.4 24.7	31.1 70.2	2, 4 5, 1
Woolen, worsted and falt grade and -	5,646	91.8	7.7	0. i
hats.	12,652	44.5	50.9	4.1
All other industries	110,938	69.6	27.8	2, (
			1	1

<sup>1</sup> For method of estimating the distribution, by sex and age periods, of the average number in all industries combined, see Introduction. <sup>3</sup> Less than one-tenth of 1 per cent. In all industries combined, 72.5 per cent of the average number of wage earners were males 16 years of age and over; 25.2 per cent, females 16 years of age and over; and 2.3 per cent, children under the age of 16. Of the total number of women employed as wage earners, 31.6 per cent were in the cotton-goods, silk-goods, and woolen and worsted goods industries, over one-half of the employees in each of these industries being women 16 years of age and over. The manufacture of boots and shoes, men's clothing, electrical machinery, and tobacco products each shows a large proportion of female wage earners, 36.3 per cent, 66.3 per cent, 39.3 per cent, and 70.2 per cent, respectively.

The three textile industries above mentioned together employed 30 per cent of the total number of wage earners under 16 years of age. The proportions of such wage earners engaged in each industry were as follows: Cotton goods, 8.9 per cent; silk goods, 3.6 per cent; and woolen and worsted goods, 4.5 per cent.

In order to compare the distribution of persons engaged in manufactures in 1909 with that shown at the census of 1904, it is necessary to use the classification employed at the earlier census. (See Introduction.) The following table makes this comparison according to occupational status:

	PERSO	NS ENGA	GED IN MA	NUFACTU	JRES.
CLASS.	190	9	190	)4	Per
	Number.	Percent distri- bution.	Number.	Percent distri- bution.	of in-
Total. Proprietors and firm members Salaried employees Wage earners (average number)	371, 265 8, 204 36, 838 326, 223	100.0 2.2 9.9 87.9	296, 262 6, 730 23, 196 266, 336	100.0 2.3 7.8 89.9	25, 3 21, 9 58, 8 22, 5

Comparable figures are not obtainable for 1899. The table shows that the greatest percentage of increase was in the salaried employees.

The following table shows the average number of wage earners, distributed according to age periods, and in the case of those 16 years of age and over according to sex, for 1909, 1904, and 1899. The averages for 1909 are estimated on the basis of the actual number of wage earners reported for a single representative day. (See Introduction.)

	AVERAGE NUMBER OF WAGE EARNERS.									
CLASS.	190	9	190	4	1899					
	Number.	Percent distri- bution.	Number.	Percent distri- bution.	Number.	Percent distri- bution.				
Total 16 years of age and over Male Female Under 16 years of age	326, 223 318, 685 236, 499 82, 186 7, 538	$   \begin{array}{r}     100.0 \\     97.7 \\     72.5 \\     25.2 \\     2.3   \end{array} $	266, 336 258, 334 195, 447 62, 887 8, 002	100.0 97.0 73.4 23.6 3.0	213,975 206,143 156,787 49,356 7,832	100.0 96.3 73.3 23.1 3.7				

This table indicates that for all industries combined the proportion of children under 16 years of age was smaller in 1909 than in 1899. Although there was not AND REPAIR BUILDING STREET, ST

much change in the proportions of male and female wage earners 16 years of age and over, the proportion of females was greater in 1909 than in 1899, while on the other hand, that of males was smaller in 1909.

Wage earners employed, by months.—The following table gives the number of wage earners employed on the 15th of each month during the year 1909 for all industries combined, for the canning and preserving industry, and for all other industries combined; it gives also the percentage which the number reported for each month is of the greatest number reported for any month. In Table II, page 774, are shown, for a majority of the important industries in the state, the largest number and the smallest number of wage earners reported for any month. The figures are for the 15th day, or the nearest representative day, of the month.

			WAGE E.	ARNERS.			
MONTH.	All indu	stries.		ng and tving,	All other industries.		
	Number.	Percent of max- imum.	Num- ber.	Percent of max- imum.	Number.	Percent of max- imum.	
January February March. April. May. June. July. August. Septom bar. October Novem ber Decembor.	318,401 321,883 321,876 321,969 318,216 323,506 334,710 341,569	91. 2 91. 2 92. 7 93. 7 93. 8 92. 7 94. 2 97. 5 99. 5 99. 8 100. 0	$\begin{array}{c} 273\\317\\290\\396\\760\\1,682\\1,483\\3,344\\6,021\\4,768\\1,566\\937\end{array}$	$\begin{array}{r} 4.5\\ 5.3\\ 4.8\\ 6.6\\ 12.6\\ 27.6\\ 24.6\\ 55.5\\ 100.0\\ 79.2\\ 26.0\\ 15.6\end{array}$	$\begin{array}{c} 312,885\\ 312,899\\ 318,111\\ 321,487\\ 320,162\\ 320,307\\ 310,733\\ 320,162\\ 328,680\\ 336,801\\ 341,220\\ 342,452\\ \end{array}$	91. 4 91. 4 92, 9 93. 9 93. 8 93. 5 92. 5 93. 5 96. 0 98. 8 99. 6 100. 0	

Canning and preserving, which is a seasonal industry, gave employment to a large number of persons in the months of August, September, and October, and to a relatively small number through the winter and spring months. From 273 wage earners in January, the number employed increased to 6,021 in September. The

number reported for January, the month of minimum activity, was only 4.5 per cent of the number reported for September, the month of maximum activity. In the glass industry the greatest number of wage earners, 7,286, was reported for the month of April, and the least number, 1,151, for the month of August. This variation is accounted for by the fact that the manufacture of glass is practically suspended during the months of July and August. So few wage earners are employed in these two industries, however, as compared with the total number employed in all industries, that they have only a slight effect on the fluctuation of employment from month to month in all industries combined.

Prevailing hours of labor.—In the next table wage earners have been classified according to the prevailing hours of labor in the establishment in which they are employed. In making this classification the average number of wage earners employed during the year is used, and the number employed in each establishment is classified as a total according to the hours prevailing in that establishment, even though a few employees work a greater or less number of hours.

It is evident from this table that for the great majority of wage earners employed in the manufacturing industries of New Jersey the usual hours of labor range from 54 to 60 per week, 12.8 per cent of the total being employed in establishments where the prevailing hours are less than 54 a week and only 4.6 per cent in establishments where they are more than 60 a week.

In the malt-liquor, marble and stone work, and printing and publishing industries 48 hours or less per week prevail for a majority of the wage earners. In nearly all of the larger industries the prevailing hours are from 54 to 60 per week. Practically all of the wage earners in the gas industry, however, are in plants where the hours of employment are 60 a week or more.

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AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS GROUPED ACCORDING TO PREVAILING HOURS OF WORK PER WEEK.

	PREVAILING HOURS OF WORK PER WEEK.										
INDUSTRY.	Total.	48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.		
All industries	826, 223	16,189	25, 713	45, 861	173,701	49,716	7, 611	2, 461	4,971		
All industries Agricultural implements Artificial stone Beiting and hose, woven and rubber Boots and shoes, including cut stock and findings Boxes, fancy and paper.	$224 \\ 488 \\ 2,295 \\ 4,232 \\ 2,142$	$\begin{array}{r} 65\\ 4\\ 14\\ 62\end{array}$	65 12 162	9 146 71 851	5 111 1,711 3,680 1,007	$210 \\ 95 \\ 580 \\ 455 \\ 60$					
Bress and bronze products. Bread and other bakery products. Brick and tile.	$     \begin{array}{r}       1,205 \\       4,936 \\       3,405 \\       915     \end{array} $	$12 \\ 256 \\ 160 \\ 10$	93 39 137 147	284 670 564 48	640 306 270 706	205 2,922 2,274 4	548	31 173	22		
Buttons Canning and preserving Carryst and rugs, other than rag Carryst and wagons and materials	2,261 1,818 884 1,601	31 149 36 51	82 3 116	160 97 407	1,874 485 845 669	196 988 339	10 18	7			
Cars and general shop construction and repairs by steam-railroad companies Cars and general shop construction and repairs by street-railroad companies Cement Chamicals	6,604 826 1,445 5,046	1,002 6	1,337 	1,490 2 90	1,032 585 2,804	598 132 1,119 992	990 92 198	5 74	155 10 326 862		
Clocks and watches, including cases and materials Clothing, men's, including shirts Clothing, women's. Coffing, burial cases, and undertakers' goods Confectionery	2,129 6,994 4,216 212 1,263	661 43 1 26	372 951 1,305 1 240	447 1,197 12 169	1,622 4,574 1,511 052	135 361 160 198 174					
Cooperage and wooden goods, not elsewhere specified Copper, tin, and sheet-iron products Cordage and twine and jute and linen goods Cork, cutting Coresis	1,0465,0028,0254181,845	39 899 1 44	837 58 178	433 551 301 63 237	54 3,295 2,671 306 1,122	183 199 52 5 308					
Cotton goods, including cotton small wares. Cutlery and tools, not elsewhore specified. Dalrymen's, poulterers', and apiarists' supplies. Dyeing and finishing toxtiles. Elsetrical machinery, apparatus, and supplies.	6,638 2,208 296 10,129 11,099	97 4 147	83 125 83 107	117 60 4,160	5, 537 1, 814 276 6, 194 6, 561	1,098 55 20 2,968 104	1				
Fancy articles, not elsewhere specified Fertilizers Flour-mill and gristmill products Foundry and machine-shop products. Furniture and refrigerators.	1,112	3 9 40 326 214	29 7 1,853 115	17 11 9 11,753 56	1,003 51 34 9,507 1,210	1,137 275 4,343 160	1 3		16		
Gas and electric fixtures and lamps and reflectors. Gas, illuminating and heating. Glass. Gold and silver, reducing and refining, not from the ore Hats, fur-felt.	5,651 112	33 9 1,007 619	118 2,451 3,295	310 15 420 6 108	1,380 1,773 75 366	4 47 27 269	39 247 4	4	1,595		
Hosiery and knit goods Ice, manufactured Iron and steel, steels works and rolling mills Jewelry Leather goods	2,506 456 4,671 4,008 1,813	24  157 188	109 . 225 464 83	107 10 1,007 1,052 44	2,140 81 2,134 1,582 1,303	126 70 224 153 195	79 1,081		146		
Leather, tanned, curried, and finished. Liquors, mait. Lumber and timber products. Marble and stone work. Mattresses and spring beds.	= = = = =	180 1,286 728 1,068 49	908 41	115 768 1,371 145 7	1,095 163	442 71 750 62 20	5				
Millinery and lace goods Musical instruments and materials, not specified	. 4,120 385 1,393 419	114 2 64 1	5		811 345 44	245	-				
Paint and varnish. Paper and wood pulp. Paper goods, not elsewhere specified. Patent medicines and compounds and druggists' preparations Pottery, terra-cotta, and fire-clay products.	2,223	80	3	378	394 110 383	184	726 145		54		
Printing and publishing Rubber goods, not elsewhere specified Shipbuilding, including boat building. Sik and sik goods, including throwsters Silverware and plated ware	5,451 4,255 4,869 80,285	3,251 150 42	) 15	10 1,278 190	$\begin{array}{c c} 2,571 \\ 340 \\ 29,448 \end{array}$						
Slaughtering and meat packing	1,817		1,101	202	180	1,23 29 10	3 1,084	l			
Surgical appliances and artificial limbs Tobacco manufactures. Typewriters and supplies. Wall paper	1 110	719	2 205		6 6,562	1,49		3			
Wall plaster Wire Woolen, worsted, and felt goods, and wool hats All other industries	5,640	3	15 5 2,98	3	7 44 5,558 8 11,74 6 28,054	87 74	7	0 81	3 1,193		

747

(1) A set of the se

Location of establishments.—The next table shows the extent to which the manufactures of New Jersey are centralized in cities and other incorporated places of 10,000 population or over. (See Introduction.) The comparison is confined here, as in other states, to the years 1899 and 1909, in the absence of a Federal census of population by which the grouping of cities in 1904 could be determined for all the states.

	37		CITIES	CITIES, TOWNS, OR BOROUGHS HAVING A POPULATION OF 10,000 AND OVER.								
ITEM,	Year.	Aggregate.	Total. 10,000 to 25,000 25,000 to 100,000 100,000 and over.									
			Number or amount.	Percent of total,	Number or amount.	Percent of total.	Number or amount.	Percent of total.	Number or amount.	Percent of total.	Number or amount,	Percent of total,
Population	1910 1900	2,537,167 1,883,669	1,635,863 1,125,018	64.5 59.7	271,936 218,271	10.7 11.6	623, 079 349, 073	$24.6 \\ 18.5$	740, 848 557, 674	29.2 29.6	901,304 758,651	35.5
Number of establishments	1909 1899	8,817 6,415	5,939 4,253	67.4 66.3	818 585	9.3 9.1	1,816 1,072	$20.6 \\ 16.7$	3,305 2,596	37.5 40.5	2,878 2,162	32.6
Average number of wage earners.	1909 1899	326, 223 213, 975	248,765 160,842	76.3 75.2	37,697 24,567	$\begin{array}{c} 11.6\\11.5\end{array}$	93,655 47,464	$28.7 \\ 22.2$	117, 413 88, 811	36.0 41.5	77, 458 53, 133	23, 7 24, 8
Value of products	1909 1899	\$1,145,529,076 553,005,684	\$851, 498, 583 419, 801, 662	74.3 75.9	\$93,720,092 53,854,751	8.2 9.7	\$356,907,642 131,787,132	31.2 23.8	\$400,870,849 234,159,779	35.0 42.3	\$294,030,493 133,204,022	25.7 24.1
Value added by manufacture	1909 1899	425, 495, 677 218, 279, 590	325, 638, 307 166, 024, 706	76.5 76.1	43,817,178 22,625,292	10.3 10.4	119,674,513 45,331,841	28,1 20,8	162,146,616 98,067,573	38.1 44.9	99,857,370 52,254,884	

In 1909, 74.3 per cent of the total value of products was reported from cities and other incorporated places having over 10,000 inhabitants, and 76.3 per cent of the average number of wage earners were employed in such places. The figures indicate that the manufacturing industries in incorporated places with more than 10,000 inhabitants contributed slightly larger percentages of the total number of establishments, average number of wage earners, and value added by manufacture, and a somewhat smaller percentage of the value of products in 1909 than in 1899.

The increase in the population of certain places has affected the grouping in the table. East Orange, Orange, Perth Amboy, and West Hoboken, which for 1909 fall into the group comprising places having between 25,000 and 100,000 inhabitants, had less than 25,000 inhabitants in 1900, and for 1899, therefore, are included with the cities and towns having between 10,000 and 25,000 inhabitants. Eight of the places falling in 1909 into the group comprising incorporated places of between 10,000 and 25,000 inhabitants-Asbury Park, Bloomfield, Garfield, Hackensack, Irvington, Long Branch, West New York, and West Orange-had less than 10,000 inhabitants in 1900, so that for 1899 their statistics are included with those for districts outside of cities. The fact that in 1909 the combined value of products reported by the manufacturing industries of the eight places just mentioned was \$31,524,468, or 2.8 per cent of the total for the state, makes the increase in the proportion of the total value of products reported by the industries outside of incorporated places of over 10,000 inhabitants more worthy of note.

The group comprising the incorporated places of between 10,000 and 25,000 inhabitants contributed a smaller proportion of the total value of products in 1909 than in 1899, and the group made up of the places having between 25,000 and 100,000 inhabitants a considerably larger proportion, while for Newark, Jersey City, and Paterson, the three cities having more than 100,000 inhabitants, a decided loss is shown in the percentage which their combined value of products forms of the total. Of the total value of products reported for the state in 1909, 8.2 per cent was reported from the 6 cities, 11 towns, and 1 borough having between 10,000 and 25,000 inhabitants, 31.2 per cent from the 10 cities and 1 town having between 25,000 and 100,000 inhabitants, and 35 per cent from the 3 cities having 100,000 inhabitants and over.

The population for 1910 and 1900 of the 32 incorporated places which had 10,000 inhabitants or over in 1910 is given in the following statement:

CITY, TOWN, OR BOROUGH.	1910	1900	CITY, TOWN, ÔR BOROUGH.	1910	1900
Newark Jersey City. Paterson. Trenton. Camden. Elizabeth. Hoboken. Bayonne. Passaic. Atlantic City. West Hoboken. East Orange. Perth Amboy. Orange. Mew Brunswick. Montclair.	$\begin{array}{c} 347,469\\ 267,770\\ 125,600\\ 96,815\\ 94,538\\ 73,409\\ 70,324\\ 55,545\\ 54,773\\ 40,150\\ 35,403\\ 34,371\\ 32,121\\ 29,630\\ 23,388\\ 21,550\\ \end{array}$	246,070 206,433 105,171 75,935 52,130 59,364 32,722 27,777 27,838 23,094 21,609 24,141 20,006 20,009	Union Plainfield Rearny. Bloomfield. Harrison. Bridgeton Hackensack. Phillipsburg. West New York Long Branch. Morristown. Millville. Irvington. West Orange Garfield. Asbury Park	21,023 20,550 18,659 15,070 14,498 14,209 14,408 14,209 13,660 13,208 13,660 13,208 13,660 13,213 12,451 11,877 10,980 10,213 10,150	$\begin{array}{c} 15,187\\ 15,369\\ 10,896\\ 9,608\\ 10,596\\ 13,913\\ 9,443\\ 10,082\\ 5,267\\ 8,872\\ 11,287\\ 10,583\\ 5,255\\ 6,889\\ 8,504\\ 4,148\end{array}$

The relative industrial importance of each of the 32 incorporated places having a population of 10,000 or over in 1910 is shown in the next table, in which the value of products and average number of wage earners are shown separately for 1909, 1904, and 1899.

				1		
CITY, TOWN, OR	AVERA WAC	GE NUMI E EARN	BER OF ERS.	VAL	UE OF PRODU	CTS.
BOROUGH.	1909	1904	1899	1909	1994	1899
Newark. Jersey City. Bayones. Parth Amboy. Patrson. Canden. Trenton 4. Passic. Elizabeth. Harlson New Brinswick. New Strinswick. West New York. Orango. Phillpsburg. Garfield. Milville. Biomfield. Biomfield. Bridgeton. East Orango. Plainfield. Irvington Alunio City. Hackensøck. Long Branch. Monticlat.	$\begin{array}{c} 59,955\\ 52,454\\ 7,519\\ 5,806\\ 32,004\\ 16,527\\ 8,500\\ 6,508\\ 15,086\\ 15,086\\ 15,086\\ 15,086\\ 15,086\\ 2,284\\ 1,508\\ 2,2820\\ 2,820\\ 2,820\\ 2,820\\ 2,820\\ 2,820\\ 2,820\\ 2,820\\ 2,820\\ 1,758\\ 1,758\\ 1,758\\ 415\\ 2522\\ 2522\\ 4700\\ 201\\ 201\\ 201\\ 201\\ 201\\ 201\\ 201\\ 2$	50,607 50,633 7,057 3,950 28,569 12,661 11,000 4,569 (2) 2,450 3,143 (2) 2,450 3,143 (2) 2,450 1,363 1,363 1,363 1,363 2,767 2,2767 2,767 2,767 2,767 3,850 (2) 2,450 3,81 812 204 151 (2) 307 (3) (3) (3) (3) (3) (3) (3) (3)	42, \$78 41, \$70 2,05 26, 542 7,742 13, 188 5, 712 13, 188 5, 712 13, 188 5, 712 13, 188 5, 712 13, 188 5, 712 14, 102 1, 640 1, 640 1, 640 1, 640 1, 640 2, 216 1, 640 1, 640 2, 216 1, 640 1, 640 2, 216 1, 640 1, 7, 745 1,	$\begin{array}{c} \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	$\begin{array}{c} \textbf{3} \\ \textbf{5} \textbf{5} \textbf{5}, \textbf{0}, \textbf{0} \textbf{5} \textbf{5}, \textbf{227} \\ \textbf{7} \textbf{5}, \textbf{7} \textbf{4} \textbf{0}, \textbf{0} \textbf{3} \textbf{4} \\ \textbf{6} \textbf{0}, \textbf{6} \textbf{3} \textbf{3}, \textbf{7} \textbf{6} \textbf{1} \\ \textbf{3} \textbf{4}, \textbf{8} \textbf{0} \textbf{0}, \textbf{4} \textbf{0} \textbf{2} \\ \textbf{5} \textbf{4}, \textbf{6} \textbf{7} \textbf{3}, \textbf{6} \textbf{3} \\ \textbf{3}, \textbf{5} \textbf{5} \textbf{7}, \textbf{2} \textbf{7} \\ \textbf{3} \textbf{3}, \textbf{5} \textbf{5} \textbf{7}, \textbf{2} \textbf{7} \\ \textbf{3} \textbf{2}, \textbf{3} \textbf{5} \textbf{4}, \textbf{6} \textbf{4} \\ \textbf{2} \textbf{2}, \textbf{7} \textbf{2} \textbf{2} \\ \textbf{2}, \textbf{3} \textbf{0}, \textbf{8} \textbf{0} \\ \textbf{1} \textbf{4}, \textbf{0} \textbf{7} \textbf{7}, \textbf{3} \textbf{0} \\ \textbf{5} \\ \textbf{4}, \textbf{6} \textbf{6}, \textbf{9} \textbf{2} \textbf{4} \\ \textbf{8}, \textbf{0} \textbf{1} \textbf{6} \textbf{9} \textbf{3} \\ \textbf{6}, \textbf{1} \textbf{6} \textbf{6}, \textbf{6} \textbf{5} \\ \textbf{6}, \textbf{6} \textbf{6} \textbf{4}, \textbf{1} \textbf{7} \textbf{3} \\ \textbf{6}, \textbf{1} \textbf{6} \textbf{0}, \textbf{6} \textbf{3} \\ \textbf{6}, \textbf{1} \textbf{7} \textbf{3} \\ \textbf{7}, \textbf{1} \textbf{7}, \textbf{2} \textbf{7} \\ \textbf{6} \\ \textbf{7}, \textbf{7} \textbf{0} \textbf{7}, \textbf{2} \textbf{7} \\ \textbf{7}, \textbf{1} \textbf{7}, \textbf{2} \\ \textbf{7} \\ \textbf{6} \textbf{7}, \textbf{2} \textbf{5} \\ \textbf{6} \textbf{6} \\ \textbf{8}, \textbf{1} \textbf{7} \textbf{3} \\ \textbf{5} \textbf{7} \textbf{7}, \textbf{2} \textbf{6} \\ \textbf{8} \\ \textbf{5} \textbf{7} \textbf{7}, \textbf{2} \textbf{6} \\ \textbf{6} \\ \textbf{6} \textbf{1} \\ \textbf{5} \textbf{7} \textbf{7}, \textbf{2} \textbf{6} \\ \textbf{6} \\ \textbf{6} \textbf{1} \\ \textbf{6} \\ \textbf{7} \textbf{7} \\ \textbf{7} \textbf{7} \textbf{6} \\ \textbf{6} \\ \textbf{6} \textbf{1} \\ \textbf{1} \textbf{4} \textbf{8}, \textbf{3} \textbf{5} \\ \textbf{6} \\ \textbf{7} \end{matrix} 1 \\ \textbf{7} \\ \textbf{7} \textbf{6} \textbf{4} \\ \textbf{1} \textbf{4} \end{matrix} \end{array}$	$\begin{array}{c} $$112,728,045$\\72,929,600\\72,929,600\\88,601,429\\44,051,072\\48,502,044\\17,900,954\\28,458,068\\12,804,805\\22,861,375\\10,483,079\\6,086,477\\5,791,321\\2,945,688\\4,554,880\\(2)\\1,007,002\\3,403,130\\8,370,924\\4,700,430\\3,403,130\\8,370,924\\4,700,430\\2,513,433\\2,258,772\\2,086,910\\2,437,434\\(2)\\2,686,910\\2,437,434\\(2)\\2,865,910\\2,369,102\\2,605,900\\603,592\\(2)\\9\\2,926\\2,922\\(2)\\2,$
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<sup>1</sup> Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city, <sup>3</sup> Figures not available.

With the exception of Elizabeth and West Hoboken, each place for which comparative statistics are presented shows an increase in value of products from 1904 to 1909, and all but Montclair show an increase from 1899 to 1904.

Newark, the largest and most important city in the state, shows an increase from 1904 to 1909 of \$52,456,000 or 35 per cent, in value of products and 9,258, or 18.3 per cent, in the average number of wage earners. In value of manufactured products, it stood eleventh among the cities of the United States in 1909 and tenth in 1904 and 1899. Eighteen and four-tenths per cent of the wage earners employed in manufactures in the state in 1909 and 17.7 per cent of the value of the manufactured products were reported from Newark. The leading industry of the city in 1909 was the smelting and refining of copper, but statistics for this industry can not be shown separately without disclosing the operations of individual establishments. Next in order of importance as measured by value of products were leather (tanned, curried, and finished), foundry and machine-shop products, jewelry, and malt liquors, the combined products of which represented 29.6 per cent of the total value of all products for the city in 1909. Other important industries were the manufacture of paint and varnish; electrical machinery and apparatus; chemicals; bread and other bakery products; printing and publishing; fur-felt hats; slaughtering and meat packing; and copper, tin, and sheet-iron products.

The total value of products reported for Jersey City increased \$53,034,000, or 70 per cent, from 1904 to 1909, and the average number of wage earners increased 5,101, or 25.1 per cent. Among the leading industries, measured by value of products, was the slaughtering and meat-packing industry, with products valued at \$22,314,000, which represented 59.4 per cent of the total value of products for this industry in the state. Other important industries were tobacco manufactures, foundries and machine shops, the manufacture of gas, and steam-railroad repair shops. Three of the most important industries in the city in 1909 were the manufacture of soap, the refining of sugar, and the refining of petroleum, but their statistics can not be shown separately without disclosing the operations of individual establishments.

Bayonne shows an increase in value of manufactured products amounting to \$13,007,000, or 21.5 per cent, from 1904 to 1909, and an increase in average number of wage earners of 462, or 6.5 per cent. The leading industries were petroleum refining, smelting and refining from clippings, sweepings, and scrap, foundries and machine shops, and the manufacture of electrical machinery and apparatus. The foundry and machine-shop industry, however, is the only one of these for which statistics can be shown separately in Table I without disclosing the operations of individual establishments. Twenty-one industries were reported in 1909 which did not appear at the census of 1904, the most important of which were the manufacture of copper, tin, and sheet-iron products, cooperage and wooden goods, silk and silk goods, and soap.

Perth Amboy was the fourth city in the state in 1909 in value of manufactured products, having advanced from fifth position since 1904 and displaced Paterson. Since the city had less than 50,000 inhabitants in 1910, its statistics are presented by totals only in Table I. From 1904 to 1909 the total value of products increased \$38,292,000, or 110 per cent, and the average number of wage earners 1,916, or 48.5 per cent. These large gains were due in a great measure to the appearance of several important industries in 1909 which were not reported at the census of 1904, such as the manufacture of ammunition, of paving materials, and of electrical machinery and apparatus, and to the increase in the value of products of the copper smelting and refining industry, which is by far the most important industry of the city.

The fifth city in importance, measured by value of products, was Paterson. From 1904 to 1909 the total value of the manufactured products of this city increased \$14,911,000, or 27.3 per cent, and the average number of wage earners 3,495, or 12.3 per cent. The leading industry was the manufacture of silk and silk goods, in the production of which this city outranked all others in the United States in 1909, 1904, and 1899. In 1909 this industry gave employment in Paterson to 18,828 wage earners, or 58.8 per cent of the total number for all industries, and reported products to the value of \$40,358,000, or 58 per cent of

the total value of products for the city. Other important industries were the dyeing and finishing of textiles, foundries and machine shops, the making of men's clothing, and slaughtering and meat packing.

From 1904 to 1909 the total value of manufactured products in Camden increased \$15,551,000, or 46.3 per cent, and the average number of wage earners 3,866, or 30.5 per cent. Measured by value of products, the most important industry was the tanning, currying, and finishing of leather, with products valued at \$5,920,000, which gave employment to an average of 1,111 wage earners. The shipbuilding industry was next in importance, with a value of products amounting to \$5,626,000, and an average of 3,324 wage earners. Other important industries were the manufacture of phonographs and graphophones, foundry and machine-shop products, and woolen and worsted goods.

The total value of products reported for Trenton increased \$16,649,000, or 51.4 per cent, and the average number of wage earners 4,413, or 31.2 per cent, during the five-year period 1904–1909. Trenton owes much of its industrial prominence to the manufacture of pottery, terra-cotta, and fire-clay products, which industry in 1909 reported products to the value of \$6,996,000, and gave employment to an average of 5,030 wage earners, these figures representing 14.3 per cent and 27.1 per cent, respectively, of the totals for all industries in the city, and 53.2 per cent and 51.2 per cent, respectively, of the totals for this industry in the state. Other important industries were the manufacture of wire, rubber goods, foundry and machine-shop products, and rubber belting and hose.

In Passaic the value of products increased \$18,947,-000, or \$3.2 per cent, and the average number of wage earners 4,086, or 37.1 per cent, between 1904 and 1909. Two of the most important industries in the city were the manufacture of cotton goods and of woolen and worsted goods, the combined value of their products amounting to \$20,536,000 and the average number of wage earners employed to 8,191, representing 49.2 per cent and 54.3 per cent, respectively, of the corresponding totals for all industries in the city.

The value of products for Elizabeth showed a slight decrease between 1904 and 1909, due principally to a falling off in foundry and machine-shop products, and in oils, "not elsewhere specified," and to the fact that a large establishment engaged in the refining of copper in 1904 was reported as idle in 1909. The most important industry in the city in 1909 was the manufacture of sewing machines. The statistics for this industry can not be shown separately without disclosing the operations of individual establishments, but in 1909 the industry gave employment to more

than one-half of the average number of wage earners reported for all manufacturing industries in the city. Other important industries were the manufacture of wire and of electrical machinery and apparatus, and steam-railroad repair shops.

While there was a decrease of 35, or 12.5 per cent, in the number of establishments in Hoboken between 1904 and 1909, the value of products increased \$6,336,000, or 45 per cent, and the average number of wage earners 873, or 12.1 per cent. The foundries and machine shops, which gave employment in 1909 to 855 wage earners and reported products to the value of \$1,808,000, formed the most important industry in the city. Next in importance were the bakeries and the furniture factories. The tanning and finishing of leather, shipbuilding, and the manufacture of moving picture apparatus and of lead pencils were other important industries, but their statistics can not be shown without disclosing the operations of individual establishments.

The other incorporated places having over 10,000 population in the order of their importance as measured by value of products in 1909, and the principal industries of each, were as follows: Harrison, foundries and machine shops, steel works and rolling mills, and electrical machinery and apparatus; New Brunswick, surgical appliances and tobacco manufactures: West New York, lard refining, cottonseed oil and cake, and silk goods; Orange, phonographs and graphophones and fur-felt hats; Phillipsburg, foundries and machine shops and silk goods; Garfield, worsted goods and paper and wood pulp; Kearny, slaughtering and meat packing and oilcloth and linoleum; Union, silk goods and malt liquors; Bloomfield, electrical machinery and apparatus; West Hoboken, silk goods; Millville and Bridgeton, glass; East Orange, electrical machinery and apparatus; Plainfield, foundry and machine-shop products; Irvington, reducing and refining gold and silver, not from the ore; Atlantic City, bakeries; Hackensack, silk goods; Long Branch, men's clothing; Montclair, paper goods; West Orange, electrical machinery and apparatus; Morristown, bakeries; and Asbury Park, planingmill products.

Character of ownership.—The table on the opposite page has for its purpose the presentation of conditions in respect to the character of ownership, or legal organization, of manufacturing enterprises. For all industries combined comparative figures are given covering the censuses of 1909 and 1904. Comparative data for 1899 are not available. Figures for 1909 only are presented for several important industries individually. In order to avoid disclosing the operations of individual concerns it is necessary to omit several important industries from this table and the one following.

INDUSTRY AND CHARACTER OF OWNERSHIP.	Num- ber of estab- lish- ments.	Average number of wage earners,	Value of products.	Value added by manu- facture.	INDUSTRY AND CHARACTER OF OWNERSHIP.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture.
ALL INDUSTRIES: 1909	8,817 7,010 4,888 3,944 1,348 1,220	326, 223 266, 336 33, 306 30, 994 35, 441 40, 235	\$1, 145, 529, 076 774, 869, 025 83, 854, 860 67, 280, 922 89, 158, 998 89, 762, 612	\$425, 495, 677 303, 919, 849 39, 160, 399 31, 254, 522 37, 766, 699 38, 338, 818	Hats, fur-felt, 1909 Individual. Firm. Corporation. Per cent of total. Individual. Firm. Corporation.	58 22 14 22 100.0 37.9 24.1 37.9	4,657 719 1,308 2,630 100.0 15.4 28.1 56.5	<b>\$8, 825, 217</b> 1, 210, 551 2, 801, 454 4, 813, 212 100. 0 13. 7 31. 7 54. 5	\$4,713,649 655,635 1,541,420 2,516,694 100.0 13.9 32.7 53.4
Corporation: 1909	2,560 1,834 21 1,2 100.0	257, 252 195, 058 224 49 100. 0	071,904,531 617,236,276 610,687 89,215 100.0	348, 188, 874 234, 269, 884 379, 705 56, 625 100. 0	Jeweiry, 1909. Individual Firm Corporation Per cent of total. Individual Firm	150 35 54 61 100.0 23.3 36.0	4,008 506 1,702 1,800 100.0 12.6 42.5	\$13, 272, 004 868, 630 5, 662, 409 6, 740, 965 100. 0 6, 5 42, 7	\$6,977,608 436,895 3,027,044 3,513,667 100.0 6.3
Fet Coll         1000	100.0 55.4 56.3 15.3 17.4 29.0 26.2	100.0 10.2 11.6 10.9 15.1 78.9 73.2	100.0 7.3 8.7 7.8 11.6 84.8 79.7	100.0 9.2 10.3 8.9 12.6 81.8 77.1	Firm Corporation Leather, tanned, ourried, and finished, 1909 Individual. Firm. Corporation. Per cent of total. Individual.	86 18 23 45 100.0 20.9 26.7	44.9 44.9 264 1,312 3,984 100.0 4.7 23.6	22.7 50.8 \$28,430,955 1,612,248 7,807,588 19,011,119 100.0 5.7 27.5	43, 4 50, 4 \$8, 232, 485 497, 259 2, 127, 855 5, 607, 371 100, 0 6, 0 8, 5
Other: 1900	0.2 0.2 53 21 11 21	0.1 ( <sup>1</sup> ) 4,232 352 940 2,940 100.0	0.1 (1) \$8,041,623 846,281 1,706,865 5,488,477	0.1 (1) \$3,314,498 202,084 750,971 2,301,443 100.0	Firm. Corporation. Lumber and timber prod- ucts, 1909. Individual Firm. Corporation <sup>2</sup> . Per cent of total. Individual.	52.3 416 261 78 77 100.0 62.7	71.7 4,857 1,543 721 2,593 100.0 31.8	66. 9 \$13, 511, 162 3, 326, 384 1, 822, 214 8, 362, 564 100. 0 24. 6	25.8 68.1 \$5,501,207 1,761,683 892,308 2,847,216 100.0 32.0 0 22.0
Per cent of total. Individual. Firm Corporation Bread and other bakery products, 1909 Individual. Corporation <sup>2</sup>	100.0 39.6 20.8 39.6 1,217 1,114 75 28	8,3 22,2 69,5 4,936 3,021 347 968	100. 0 10. 5 21. 2 68. 2 \$20, 085, 629 14, 778, 642 1, 387, 842 3, 919, 145	7.9 22.7 69.4 \$7,890,424 5,760,060 563,878 1,566,486	Firm. Corporation <sup>2</sup> Paint and varnish, 1909 Individual Firm. Corporation. Per cent of total. Individual.	18.7 18.5 63 12 7 44 100.0 19.0	14.8 53.4 1,493 60 314 1,119 100.0 4.0	13.5 61.9 \$12,766,929 654,802 2,101,079 10,010,988 100.0 5.1	16.2 51.8 \$4,540,956 254,106 740,206 3,537,644 100.0 5.6
Per cent of total Individual. Firm. Corporation <sup>2</sup> . Cilothing, men's, including shirts, 1909. Individual. Firm. Corporation. Per cent of total Individual.	100. 0 91. 5 6. 2 2. 3 150 89 44 17 100. 0	100.0 73.4 7.0 19.6 6,994 2,301 2,682 2,011 100.0	100. 0 73. 6 6. 9 19. 5 \$9, 864, 644 2, 561, 457 3, 826, 288 3, 476, 901 100. 0	100. 0 73. 0 7. 1 19. 9 <b>\$4</b> , 788, 273 1, 431, 301 1, 789, 499 1, 567, 473 100. 0 29. 9	Firm. Corporation. Printing and publishing, 1809 Individual. Firm. Corporation. Other. Percent of total. Individual. Firm. Corporation.	11, 1 69. 8 442 91 137 14 100, 0 64, 6 13, 3	21.0 74.9 5,451 1,345 486 3,426 194 100.0 24.7 8.9	16.5 78.4 \$12,332,700 2,679,301 982,232 8,149,083 521,994 100.0 21.7 8,0	16.5 77.9 <b>\$8,860,549</b> 1,946,114 720,267 5,850,225 343,943 100.0 22,0 8,1
Firm. Corporation. Cotton goods, including cotton small wares, 1909. Individual. Firm. Corporation. Per cent of total. Individual.	59.3 29.3 11.3 28 5 4 17 100.0 19.2 15.4	32.9 38.3 28.8 6,638 78 288 6,272 100.0 1.2 4.3	26.0 38.8 35.2 \$13,728,874 117,072 403,415 13,208,387 100.0 0.9 2.9	37. 4 32. 7 \$5, 164, 141 02, 023 128, 416 4, 973, 702 100. 0 1. 2 2. 5	Other. Silk and silk goods, includ- ing throwsters, 1909 Individual Firm. Corporation. Per cent of total. Individual	20.0 2.0 348 86 99 163 100.0 24.7 28.4	62.8 3.6 30,285 3,695 8,880 17,710 100.0 12.2 29.3	66.1 4.2 \$65,429,550 8,395,443 18,385,422 38,648,685 100.0 12.8 28.1	\$32, 164, 373 4, 168, 341 8, 927, 330 19, 078, 702 100. 0 12. 9 27, 8
Firm. Corporation. Dyeing and finishing tex- tiles, 1909. Individual. Par cent of total. Individual. Firm. Corporation.	13.4 65.4 67 19 0 42 100.0 28.4 9.0 62.7	94.5 94.5 10,129 295 466 9,367 100.0 2.9 4.6 92.5	26, 2 96, 2 <b>\$15, 795, 788</b> 388, 837 702, 380 14, 704, 571 100. 0 2, 5 4, 4 93, 1	96.3 96.3 300,449 373,391 8,769,252 100.0 3.2 4.0 92.9	Firm. Corporation. Slaughtering and meat packing, 1909. Individual Firm. Corporation. Per cent of total. Individual Firm. Corporation.	46.8 84 41 20 23 100.0 48.8 23.8 27.4	58.5 1,817 183 252 1,382 100.0 10.1 13.9 76.1	59.1 \$37,583,395 5,236,637 6,500,346 25,840,412 100.0 13.9 17.3 68.8	\$5.3 \$3,843,811 439,734 527,949 2,876,128 100.0 11.4 13.7 74.8
Electrical machinery, ap- paratus, and supplies, 1909. Individual. Firm Corporation. Per cent of total. Individual. Firm. Corporation.		11,099 76 55 10,968 100,0 0.7 0.5 98.8	\$28,365,377 113,430 391,821 27,860,126 100.0 0.4 1.4 98.2	\$13,939,852 60,038 233,038 13,646,776 100.0 0.4 1.7 97.9	Tobacco manufactures, 1909. Individual Firm. Corporation Per cent of total. Individual Firm. Corporation.	462	9,486 1,549 227 7,690 100.0 16.4 2.4 81.2	\$24, 177, 343 3, 103, 860 549, 835 20, 524, 148 100, 0 12, 8 2, 3 84, 9	\$13, 381, 069 2, 030, 988 302, 591 11, 033, 400 100.0 15.2 2, 3 82.5
Foundry and machine-shop products, 1909 Individual. Firm. Corporation. Per cent of total Individual. Firm. Corporation.	100.0 38.1	27, 815 2, 756 1, 665 23, 394 100. 0 9. 9 6. 0 84. 1	\$65,398,437 5,245,947 3,100,607 57,051,883 100.0 8.0 4.7 87.2	\$35,458,387 3,101,474 1,692,715 30,604,198 100.0 8.9 4.8 86.3	Woolen, worsted, and felt goods, and wool hats, 1909. Individual Firm. Corporation Per cent of total. Individual Firm. Corporation	$ \begin{array}{c c} 100.0 \\ 18.2 \\ 21.2 \end{array} $	12,652 50 2,184 10,418 100.0 0.4 17.3 82.3	\$33, 938, 637 144, 354 6, 220, 059 27, 674, 224 100, 0 0, 4 18, 3 81, 2	\$12,905,758 43,636 1,615,370 11,240,752 100.0 0.3 12.5 87.1

<sup>1</sup> Less than one-tenth of 1 per cent.

Includes the group "Other," to avoid disclosure of individual operations.

751

The most important distinction shown is that between corporate and all other forms of ownership. For all industries combined, 29 per cent of the total number of establishments were under corporate ownership in 1909, as against 71 per cent under all other forms. The corresponding figures for 1904 were 26.2 per cent and 73.8 per cent, respectively. Of the total value of products in 1909, the establishments operated by corporations reported 84.8 per cent, as against 15.2 per cent for those under all other forms of ownership, while in 1904 the corresponding figures were 79.7 per cent and 20.3 per cent, respectively. Similar conditions prevail to a greater or less extent in most of the industries presented separately, except that for men's clothing the greatest proportion, 38.8 per cent, of value of products is shown for firm ownership, while the bakeries show 73.6 per cent for individual ownership.

Size of establishment.—The tendency for manufacturing to become concentrated in large establishments, or the reverse, is a matter of interest from the standpoint of industrial organization. In order to throw some light upon it the following table groups the establishments according to the value of their products. The table also shows the average size of establishments for all industries combined and for important industries separately, as measured by number of wage earners, value of products, and value added by manufacture. The totals for all industries are shown for the last two censuses, while for the industries presented separately figures are given for 1909 only.

INDUSTRY AND VALUE OF PRODUCTS.	Num- ber of estab- lish- ments.	Average number of wage carners.	Value of products.	Value added by manu- facture.	INDUSTRY AND VALUE OF PRODUCTS.	Num- ber of cstab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture,
ALL INDUSTRIES: 1909 1904	8,817 7,010 2,288 1,900	326,223 266,336 3,094 2,767	\$1,145,529,076 774,369,025 5,815,878 4,861,044	\$425, 495, 677 303, 919, 849 3, 771, 287 3, 150, 687	Clothing, men's, including shirts, 1909 Less than \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 !	150 30 48 51 21	6,994 138 811 3,201 2,844	\$9, 864, 646 83, 421 516, 854 2, 900, 784 6, 363, 587	\$4, 788, 273 77, 826 452, 197 1, 802, 489 2, 455, 761
\$20,000 and less than \$100,000:	2,323	16,218 13,928 43,646	32, 476, 593 24, 898, 863 90, 682, 537 72, 862, 614	18, 157, 917 13, 957, 375 46, 875, 049 38, 602, 710	Per cent of total. Less than \$5,000. \$5,000 and less than \$20,000. \$20,000 and less than \$1,000,000. \$100,000 and less than \$1,000,0001. Åverage per establishment.	100.0 20.0 32.0 34.0	100.0 2.0 11.6 45.8	100.0 0.8 5.2 29.4	2,405,761 100.0 1.6 9.4 37.6
1909. 1904. \$100,000 and less than \$1,000,000: 1909. \$1,000,000 and over: 1909. 1904.	1,610 1,201 955	39,147 137,123 128,483	72,862,614 366,705,326 286,892,957	38,602,710 168,792,863 138,229,831	\$100,000 and less than \$1,000,0001 Average per establishment Cotton goods, including	14.0	40.7	64.5 \$65,764	\$1.8 \$31,922
~~ · · · · ·		126, 142 82, 011	649,848,742 384,853,547	187,898,561 109,979,246	Cotton goods, including cotton small wares, 1909 \$5,000 and less than \$20,000 2 \$20,000 and less than \$1,000,000 \$109,000 and less than \$1,000,000 \$1,000,000 and over	26 8 4 11 3	6,638 54 126 2,461 3,997	\$13,728,874 84,880 255,100 5,397,487 7,991,407	\$5, 164, 141 43, 354 133, 933 2, 170, 895
Per cent of total: 1909	100.0 100.0 25.9 27.1	100.0 100.0 0.9 1.0	100.0 100.0 0.5 0.6	100.0 100.0 0.9 1.0	Per cent of total	100.0 30.8 15.4	$100.0 \\ 0.8 \\ 1.9$	100.0 0.6 1.9	2,815,959 100.0 0.8 2.6
\$5,000 and less than \$20,000: 1009. 1904. \$20,000 and less than \$100,000: 1909.	34.9 34.6	5.0 5.2	2.8 3.2	4.3	Average per establishment	1 11.0	37.1 60.2 255	39.3 58.2 \$528,034	42.0 54.5 \$198,621
1909 1904 \$100,600 and less than \$1,000,000: 1909 \$1,000,000 and over: 1909 1904 1904 A verage per establishment: 1909 1904	23.3 23.0 13.6	13.4 14.7 42.0 48.2	7.9 9.4 32.0 37.0	11.0 12.7 39.7	Dyeing and finishing tex- tiles, 1809	67 8 13 21	10,129 18 132 646	\$15,795,788 23,737 173,127 914,561 6,184,234	\$9,443,092 17,994 125,715 5(9,897 3,787,977 4,941,509
\$1,000,000 and over: 1909. 1904. A verage per establishment:	2.2 1.7	38.7 30.8	56.7 49.7	45.5 44.2 36.2	\$1,000,000 and over \$1,000,000 and over Per cent of total	20 5 100.0	3,838 5,495 100.0 0.2	6, 184, 234 8, 500, 129 100. 0 0. 2	3,757,977 4,941,509 100.0 0.2
1909. 1904. Boots and shoes, including		37 38	\$129,923 110,466	\$48,259 43,355	Per cent of total. Less than \$5,000. \$5,000 and less than \$20,000 \$20,000 and less than \$100,000. \$1000,000 and over. \$1,000,000 and over. Average per establishment.	19.4 31.3 29.9 7.5	$1.3 \\ 6.4 \\ 37.9 \\ 54.2$	1.1 5.8 39.2 53.8	1.3 6.0 40.1 52.9
Boots and shoes, including out stock and findings, 1909	53 9 7 17 20	4, 232 13 87 446 3, 686	\$8,041,623 21,864 84,194 888,628 7,046,937	\$3,314,498 12,090 45,116 371,892 2,885,400	The state is a state of the second		151 11,099 28	\$235,758 \$28,365,377 18,961	\$140,942 \$13,939,859 6,977
Per cent of total. Less than \$5,000. \$5,000 and less than \$20,000. \$26,000 and less than \$100,000. \$100,000 and less than \$1,000,000!. A verage per establishment.	1 100 0	100.0 0.3 2,1 10.5 87,1	100.0 0.3 1.0 11.0 87.6	100.0 0.4 1.4 11.2 87.1	Less than \$5,000 \$5,000 and less than \$20,000 \$100,000 and less than \$1,000,000 \$1,000,000 and ver	13 23 19 8	79 480 3,197 7,315	18,961 161,357 1,166,688 8,369,203 18,649,168 100.0	80,821 666,455 4,428,746 8,750,853 100.0
Average per establishment           Bread and other bakery products, 1909	1 917	4,936 178 1,990 1,700 1,068	\$151,729 \$20,085,629 739,590 8,212,281 6,888,029 4,245,719	\$02, 538 \$7, 890, 424 313, 192 3, 204, 185 2, 632, 708 1, 680, 279	Per cent of total. Less than \$5,000 and less than \$20,000 \$2,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over A verage per establishment		$ \begin{array}{c} 0.3 \\ 0.7 \\ 4.3 \\ 28.8 \\ 65.9 \\ 161 \end{array} $	0.1 0.6 4.1 29.5 65.7 \$411,092	(3) 0.1 4.5 31.5 62.8 \$202,027
Per cent of total Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 Average per establishment			$     100.0 \\     3.7 \\     40.9 \\     34.3 \\     21.1   $	1,030,279 100.0 4.0 41.4 33.4 21.3 \$6,484	Foundry and machine-shop products, 1909. Less than \$5,000. \$20,000 and less than \$20,000. \$20,000 and less than \$100,000. \$100,000 and less than \$1,000,000. \$1,000,000 and over.	<b>591</b> 100 184 176 119 12	27, 815 148 1,071 3,861 14,304 8,431	65, 398, 437 268, 563 1, 921, 962 7, 532, 400 32, 049, 781 23, 625, 731	\$35, 458, 387 184, 208 1, 246, 005 4, 546, 858 17, 370, 507 12, 110, 806

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

\* Includes the group "Less than \$5,000,"

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

								1	
INDUSTRY AND VALUE OF PRODUCTS.	Num- ber of estab- lish- ments.	A verage number of wage earners.	Value of products.	Value added by manu- facture.	INDUSTRY AND VALUE OF FRODUCTS.	Num- ber of estab- lish- ments.	Average number of wage earners,	Value of products.	Value added by manu- facture.
Foundry and machine-shop products, 1909—Con. For cent of total. 5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over	100.0 16.9 31.1 29.8 20.1 2.0	$100.0 \\ 0.5 \\ 3.9 \\ 13.9 \\ 51.4 \\ 30.3 \\ 47$	100.0 0.4 2.9 11.5 49.0 36.1 \$110,657	100.0 0.5 3.5 12.8 49.0 34.2 \$59,997	Printing and publishing, 1909         publishing, 1809           Ess than \$5,000	684 342 260 62 20 100.0 50.0	5,451 410 1,295 1,264 2,482 100.0 7.5	\$12, 332, 700 830, 671 2, 528, 288 2, 610, 239 0, 363, 502 100. 0 6, 7 0, 7	\$8,860,549 633,735 1,900,158 1,820,084 4,506,572 100.0 7,2
Hats, fur-felt, 1909 Less than \$5,000 \$5,000 and less than \$20,000 \$100,000 and less than \$100,000 \$100,000 and less than \$1,000,000 1		4, 657 4 53 793	\$8, 825, 217 12, 150 113, 020 906, 997	\$4, 713, 649 7, 672 52, 911 572, 346 4, 080, 720	Less than \$5,000. \$5,000 and less than \$20,000. \$20,000 and less than \$1,000,000 Average per establishment Silk and silk goods, includ-	38.0 9.1 2.9	23.8 23.2 45.5 8	20.5 21.2 51.6 \$18,030	21.4 20.5 50.9 \$12,954
20,000 and less than \$1,000,000 1 \$100,000 and less than \$1,000,000 1 Per cent of total tess than \$5,000 \$0,000 and less than \$20,000 \$20,000 and less than \$100,000 1 Åverage per establishment	100.0 5.2 19.0 32.8	3,807 100.0 0.1 1.1 17.0	7, 793, 050 100. 0 0. 1 1. 3 10. 3	100.0 0.2 1.1 12.1	ing throwsters, 1969 Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over	20 74 111 131	<b>30, 285</b> 62 1, 035 3, 925 17, 585 7, 678	\$65, 429, 550 45, 184 838, 834 5, 511, 023 39, 541, 130 19, 493, 379	\$32, 164, 373 37, 223 582, 960 2, 998, 470 19, 672, 218 8, 873, 502
		81.7 80	88.3 \$152,159 \$13,272,004 33,273	86.6 \$81,270 \$6,977,606 26,032	Per cent of total Less than \$5,000. \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000	100.0 5.7 21.3 31.9 37.6	100.0 0.2 3.4 13.0 58.1	$100.0 \\ 0.1 \\ 1.3 \\ 8.4 \\ 60.4 \\ 60.4$	$   \begin{array}{r}     100.0 \\     0.1 \\     1.8 \\     9.3 \\     61.2 \\     61.2   \end{array} $
Jewelry, 1909 Less than \$5,000 \$5,000 and less than \$20,000 \$100,000 and less than \$100,000 \$100,000 and less than \$1,000,000 Per cent of total.	27 75 36 100.0	154 1,382 2,454	33,273 320,723 3,561,291 9,356,717 100.0 0.2	185,678 1,949,511 4,816,385 100.0 0.4	Average per establishment		25.4 87 1,817 43	29.8 \$188,016 \$37,583,395 153,543	27.6 \$92,426 \$3,843,811 47,749
Per cent of total Less than \$5,000 \$,000 and less than \$20,000 \$100,000 and less than \$100,000 Average per establishment		3.8 34.5 61.2 . 27	2.4 26.8 70.5 \$88,480	2.7 27.9 69.0 \$46,517	Slaughtering and meat packing, 1909	30 30 11 100.0 15.5	423 1, 240	153, 543 1, 321, 264 9, 703, 445 26, 405, 143 100, 0 0, 4	268, 117 1,024, 243 2,503, 702 100, 0 1, 2
Leather, tanned, currled, and finished, 1909 \$5,000 and less than \$20,000 * \$100,000 and less than \$1,000,000 \$1,000,000 and less than \$1,000,000	80 80 80 80 80 80 80 80 80 80 80 80 80 8	24 457 3,392	\$28, 430, 955 64, 547 1, 345, 864 18, 210, 831 8, 809, 713	\$8,232,485 28,706 513,518 4,903,454 2,726,807	Por cent of total	35.7 35.7 13.1	6. 1 23. 3 68. 2 - 22	3.5 25.8 70.3 <b>\$447,421</b>	7.0 26.6 65.1 \$45,760
Per cent of total \$5,000 and less than \$20,000 * \$20,000 and less than \$100,000 \$10,000 and less than \$1,000,000 \$1,000,000 and over. Average per establishment	100.0 9.3 27.9 55.8 7.0	0.4 8.2 61.0 30.3	100.0 0.2 4.7 64.1 31.0 \$330,593	100.0 0.3 6.2 60.3 33,1 <b>\$</b> 95,727	Tobacco manufactures, 1909 Less than \$5,000 \$20,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over		262 274 540 1,521 6,869	\$24, 177, 343 687, 856 538, 786 1,065, 647 2, 157, 927 19, 727, 127	\$13,381,069 460,692 345,485 632,603 1,244,882 10,697,407
Lumber and timber prod- ucts, 1909 1,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 1		2 282 1,043 1,356	\$13,511,162 341,361 1,602,468 3,935,918 7,631,415	<b>\$5, 501, 207</b> 236, 120 1, 035, 028 1, 855, 797 2, 374, 262	Per cent of total Less than \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over Average per establishment	100.0 77.9 13.0 5.8 1.1	2.8 2.9 5.7 7 16.1 5 72.6	2.8 2.2 4.4 8.9 81.0	2.6 4.7 9.3 79.9
Per cent of total. Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$00,000 and less than \$1,000,000 Averago per establishment	100.0 34.1 35.8 21.4 8.7	$\begin{array}{c ccccc} 100.0 \\ 5.8 \\ 21.5 \\ 4 \\ 27.9 \\ 7 \\ 44.8 \\ 12 \\ \hline \end{array}$	100.0 2.5 11.9 29.1 56.5 \$32,479	\$13,224	\$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over	. 3		44,709 436,250 5,271,694	19,652 157,179 1,637,183
Paint and varnish, 1909 Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000,and over.	2	0 5 8 13 2 149	\$12,766,929 24,400 86,497 19137,802 7,846,252 3,671,888	1,001,002	Per cent of total	100. 12. 24. 36.	$\begin{array}{c c} 1 & 100.0 \\ 1 & 0.1 \\ 2 & 1.0 \\ 4 & 16.0 \\ \end{array}$	100.0 0.1 1.3 15.5 83.0	$100.0 \\ 0.2 \\ 1.2 \\ 12.7 \\ 85.9$
Per cent of total. Less than \$5,000 \$5,000 and less than \$20,000. \$20,000 and less than \$100,000. \$10,000 and less than \$1,000,000. \$1,000,000 and over. Average per establishment.	12. 34. 33.	3 0.3 7 0.9 9 10.0 3 49.4	0.7 8.9 61.5 28.8	0.3 0.9 11.4 57.6 29.8					

<sup>1</sup> Includes the group "\$1,000,000 and over."

This table shows that in 1909 of the 8,817 manufacturing establishments in the state only 194, or 2.2 per cent, had a value of products exceeding \$1,000,000. These establishments, however, employed an average of 126,142 wage earners, or 38.7 per cent of the total number for all establishments, and reported 56.7 per cent of the total value of products and 44.2 per cent of the total value added by manufacture.

On the other hand, the very small establishments that is, those having a value of products of less than \$5,000—constituted a considerable proportion (25.9 53063°—12—48

#### <sup>2</sup> Includes the group "Less than \$5,000."

per cent) of the total number of establishments, but the value of their products amounted to only fivetenths of 1 per cent of the total. The great bulk of the manufacturing was done in establishments having products valued at not less than \$100,000.

During the five years from 1904 to 1909 there was a marked increase in the proportion of the total value of products reported by the largest establishments—those reporting products to the value of \$1,000,000 and over—and a decrease in the proportions reported by each of the four remaining classes. The fact that between 1904 and 1909 the average value of products per establishment increased from \$110,466 to \$129,923, and the average value added by manufacture from \$43,355 to \$48,259, can not be taken as in itself indicating a tendency toward concentration. The increased values shown may be, and probably are, due in part to the increase that has taken place in the price of commodities. The average number of wage earners per establishment decreased from 38 to 37. In some respects, and especially from the standpoint of conditions under which persons engaged in manufactures work, the best classification of establishments to bring out the feature of size is a classification according to the number of wage earners employed. The following table shows, for 1909, such a classification for all industries combined and for 35 important industries individually, and gives not only the number of establishments in each group but also the average number of wage earners employed.

INDUSTRY.       wage earners.       wage earners. <th>01 to Over 1,000 1,000 wage wage urners. earner 75 1 1 4 2 5 2</th>	01 to Over 1,000 1,000 wage wage urners. earner 75 1 1 4 2 5 2	
INDUSTRY.       No       I to 3       0 to 20       21 to 30       51 to 200       21 to 250       51 to 500       0 to 20       21 to 250       51 to 500       0 to 20       21 to 250       51 to 500       0 to 250       21 to 250       51 to 500       0 to 250       21 to 250       51 to 500       0 to 250       21 to 250       51 to 500       0 to 250       21 to 250 </td <td>(,000         1,000           wage         wage           wrage         wage           75         1           1        </td>	(,000         1,000           wage         wage           wrage         wage           75         1           1	
All industries       8,817       712       4,078       2,010       841       513       387       170         Belting and hose, woven and rubber.       12       1       1       1       3       3       2         Boots and shees, including cut stock and findings.       12       1       1       1       3       3       2         Gars and general shop construction and repairs by steam-railroad companies.       1,217       77       961       154       19       3	$ \begin{array}{c} 1 \\\\ 4 \\ 2 \\ 1 \\\\ 2 \\ 5 \\ 2 \\\\ 5 \\$	
Beiting and hose, woven and rubber.11111111112Bread and other bakery products.111Colspan=1211111Colspan=11 <th colspan<="" td=""><td><math display="block"> \begin{array}{c} 1 \\\\ 4 \\ 2 \\ 1 \\\\ 2 \\ 5 \\ 2 \\\\ 5 \\</math></td></th>	<td><math display="block"> \begin{array}{c} 1 \\\\ 4 \\ 2 \\ 1 \\\\ 2 \\ 5 \\ 2 \\\\ 5 \\</math></td>	$ \begin{array}{c} 1 \\\\ 4 \\ 2 \\ 1 \\\\ 2 \\ 5 \\ 2 \\\\ 5 \\$
Beiting and hose, woven and rubber.12111332Boots and shees, including cut stock and findings.5347139874Bread and other bakery products.1,217779611541983Cars and general shop construction and repairs by steam-railroad companies.2311913824Chemicals.23119138234Clothing, men's, including shirts.50111913823Cotton goods, including cotton small wares.1757884714864Dyeing and fluishing textiles.671215121172Read and construction and repairs by steam-railroad company.2637234	$ \begin{array}{c} 1 \\\\ 4 \\ 2 \\ 1 \\\\ 2 \\ 5 \\ 2 \\\\ 5 \\$	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2	
Copper, tin, and sheet-iron products $175$ 7884714864Cotton goods, including cotton small wares	2	
Dyeing and minishing textiles. $67$ $12$ 15 12 11 7 2 Engriced machines expecting and examples $69$ 11 23 14 2 7 2	2	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	8	
Iron and steel, steel works and rolling mills	1	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		
Leather, tanbed, ourried, and finished	•••••	
Dil, not elsewhere specified       23       8       9       4       2          Dilcloth and linoleum       10	1	
Baper and wood pulp         63         3         29         14         9         4         4            Mapping and wood pulp         37         1         7         11         11         6         1		
Pottery, terra-cotta, and fire-clay products         88         1         9         14         18         13         23         8           Printing and publishing         684         150         366         125         25         9         7         2	2	
Rubber goods, not elsewhere specified.       36       2       4       7       4       6       10         Shipbuilding, including boat building.       97       8       57       13       6       8       3       1         Silk and silk goods, including throwsters.       348	3	
Silk and silk goods, including throwsters         348         29         102         74         63         54         19           Slaughtaring and meat packing         84         1         43         28         3         6         2         1	4	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	4	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	
Woolen, worsted, and feit goods, and wool hats         33         4         7         6           All other industries         33, 545         236         1,679         889         340         200         111         59	4 21	
AVERAGE NUMBER OF WAGE EARNERS.		
	52, 497 56, 702	
Belting and hose, woven and rubber	702 549	
Jars and general shop construction and repairs by steam-railroad com-	3,072 1,	
	1,296 1, 878	
Jopper, tin, and sheet-iron products.         5,002         256         478         385         629         906         1,383           Jotton goods, including cotton small wares.         6,638         10         81         89         249         692         1,520	1,501 2, 3,042 4,	
Electrical machinery, apparatus, and supplies	3,042 4, 1,297 5,	
27,815 50 1,915 2,385 3,927 7,324 3,962	5,921 1, 616	
Gas_illuminating and heating.         1,917         69         175         81         492         484           Elats, fur-felt.         4,657         37         88         436         746         1,549         1,226           Iron and steel, steel works and rolling mills.         4,671         37         88         436         746         1,549         1,226	575 1.435 1,	
fewelry		
Liquors, mait = 11 94 321 670 471 638 4 887 570 170 472 638 4 887 570 570 472 638 11 94 321 670 472 638		
Oil, not elsewhere specified         21         124         145         129	672	
Paint and varnish         64         149         327         258         695             Paper and wood pulp         5         92         332         690         748         306	1 970	
Prințing and publishing	1,372	
Shipbuilding, including boat building	2,592 2,	
$\mathbf{S}_{1}$ and $\mathbf{s}_{1}$ and $\mathbf{s}_{2}$ and $\mathbf{s}_{2}$ and $\mathbf{s}_{3}$	2,322	
500 J 10 10 10 10 10 10 10 10 10 10 10 10 10	060	
Tobacco manufactures	2,578 3, 4, 3,074 5,	
	3,074 5, 14,458 18,	

				E	STABLISH	AENTS EM	PLOYING	-		
INDUSTRY.	Total.	No wage carners.	1 to 5 wage earners.	6 to 20 wage earners.	21 to 50 wage earners.	51 to 100 wage carners.	101 to 250 wage earners,	251 to 500 wage carners.	501 to 1,000 wage earners.	Over 1,000 wage earners.
		·····	PER CENT	OF AVE	RAGE NUM	ABER OF	WAGE EA	RNERS.		·
All Industries. Beiting and hose, woven and rubber. Bread and shoes, including cut stock and findings. Bread and other bakery products. Chemicals Chemicals Chemicals Chemicals Copier, tin, and sheet-roon products. Copier, tin, and sheet-roon products. Construction of the shoep products. Construction of the shoep products. Construction of the shoep products. Construction of the shoep products. Copier, the sheet works and rolling mills. I read timber products. Oil, not elsewhere specified. Oiledin and linoleum. Paint and varnish. Paper and wood pulp Path and yarnish. Paper and wood pulp Protexy, terra-cotta, and fire-clay products. Printing and publishing. Filting and publishing. Silt and silk goods, including throwsters. Sampting and meat packing. Silt and silk goods, not disewhere specified. Shipuding, meluding boat building . Silt and silk goods, not from the ore. Copp Smelling and refining, copper Smelling and refining, topper Smelling and refining, topper Smelling and refining, the shift of the ore. Copp We commutatorizes. Wre Woolen, worsted, and felt goods, and wool hats. All other industries	$\begin{array}{c} 100, 0\\$		$\begin{array}{c} \textbf{8.1}\\ \textbf{0.2}\\ \textbf{0.3}\\ \textbf{46.2}\\ \hline \\ \textbf{0.8}\\ \textbf{1.0}\\ \textbf{5.1}\\ \textbf{0.3}\\ \textbf{0.3}\\ \textbf{1.0}\\ \textbf{2.0}\\ \textbf{3.6}\\ \textbf{0.3}\\ \textbf{1.0}\\ \textbf{2.0}\\ \textbf{2.1}\\ \textbf{0.4}\\ \textbf{0.5}\\ \textbf{11.7}\\ \textbf{5.0}\\ \hline \\ \textbf{0.4}\\ \textbf{0.5}\\ \textbf{11.7}\\ \textbf{7}\\ \textbf{5.0}\\ \hline \\ \textbf{0.4}\\ \textbf{0.2}\\ \textbf{0.2}\\ \textbf{0.2}\\ \textbf{0.2}\\ \textbf{0.6}\\ \textbf{5}\\ \textbf{0.7}\\ \textbf{4.1}\\ \textbf{0.1}\\ \textbf{3.7}\\ \end{array}$	$\begin{array}{c} \textbf{6.9}\\ \textbf{0.5}\\ \textbf{3.4}\\ \textbf{28.4}\\ \textbf{0.1}\\ \textbf{28.4}\\ \textbf{0.1}\\ \textbf{28.4}\\ \textbf{0.1}\\ \textbf{28.4}\\ \textbf{0.1}\\ \textbf{28.4}\\ \textbf{0.1}\\ \textbf{1.2}\\ $	$\begin{array}{c} \textbf{8.4}\\ \textbf{1.8}\\ \textbf{1.8}\\ \textbf{7.0}\\ \textbf{13.0}\\ \textbf{13.0}\\ \textbf{28.8}\\ \textbf{18.1}\\ \textbf{17.7}\\ \textbf{1.3}\\ \textbf{3.6}\\ \textbf{6.6}\\ \textbf{4.2}\\ \textbf{24.0}\\ \textbf{16.5}\\ \textbf{15.1}\\ \textbf{23.0}\\ \textbf{24.0}\\ \textbf{27.9}\\ \textbf{17.2}\\ \textbf{34.6}\\ \textbf{3.22}\\ \textbf{16.5}\\ \textbf{15.1}\\ \textbf{23.0}\\ \textbf{34.6}\\ \textbf{3.22}\\ \textbf{6.1}\\ \textbf{5.8}\\ \textbf{5.8}\\ \textbf{5.8}\\ \textbf{5.8}\\ \textbf{5.8}\\ \textbf{5.8}\\ \textbf{5.8}\\ \textbf{5.8}\\ \textbf{5.8}\\ \textbf{5.9}\\ 5.$	$\begin{array}{c} \textbf{11.3}\\ \textbf{8.55}\\ \textbf{14.0}\\ \textbf{4.6}\\ \textbf{9.22}\\ \textbf{12.8}\\ \textbf{19.2}\\ \textbf{12.8}\\ \textbf{6.8}\\ \textbf{6.8}\\ \textbf{2.0}\\ \textbf{14.1}\\ \textbf{16.0}\\ \textbf{7.5}\\ \textbf{20.8}\\ \textbf{17.3}\\ \textbf{30.8}\\ \textbf{6.8}\\ \textbf{17.3}\\ \textbf{31.0}\\ \textbf{9.9}\\ \textbf{11.1}\\ \textbf{15.1}\\ \textbf{15.1}\\ \textbf{12.2}\\ \textbf{12.2}\\ \textbf{12.2}\\ \textbf{13.2}\\ \textbf{13.2}\\ \end{array}$	$\begin{array}{c} \textbf{18.6} \\ \textbf{5} \\ \textbf{22.5} \\ \textbf{28.7} \\ \textbf{7.9} \\ \textbf{3.56} \\ \textbf{6.629.4} \\ \textbf{19.3} \\ \textbf{10.8} \\ \textbf{10.8} \\ \textbf{10.9} \\ \textbf{37.4} \\ \textbf{27.0} \\ \textbf{27.0} \\ \textbf{27.0} \\ \textbf{27.7} \\ \textbf{33.3} \\ \textbf{10.8} \\ \textbf{11.9} \\ \textbf{27.0} \\ \textbf{27.0} \\ \textbf{27.1} \\ $	18.2           35.9           33.6           20.6           11.9           27.6           22.9           6.1           14.2           26.3           26.0           31.0           10.5           26.9           31.0           10.0           40.0           40.0           40.0           13.8           9.3           22.7           21.6           18.1           19.3           21.6           18.1           19.3           31.7	16.1           20.6           13.0           46.5           25.7           12.6           18.1           22.6           32.1           12.3           32.1           12.3           30.7	17.4 18.8 22.3 37.6 40.6 40.6 5.8 23.1  

Of the 8,817 establishments reported for all industries, 8.1 per cent employed no wage earners; 46.3 per cent, from 1 to 5; 22.8 per cent, from 6 to 20; 9.5 per cent, from 21 to 50; and 13.3 per cent, 51 or more. The largest single group consists of the 4,078 establishments employing from 1 to 5 wage earners each, and the next of the 2,010 establishments employing from 6 to 20 wage earners. There were 276 establishments that employed over 250 wage earners, including 31 that employed over 1,000.

Of the total number of wage earners, 51.7 per cent were in establishments employing over 250 wage earners. The single group having the largest number of wage earners was that comprising the establishments employing from 101 to 250 each. These establishments employed 60,448 wage earners, or 18.5 per cent of the total. Most of the industries listed in this table but not in the preceding one are industries in which comparatively large establishments do most of the business, as appears from the classification according to the number of wage earners.

Expenses.—As stated in the Introduction, the census does not purport to furnish figures that can be used for determining the cost of manufacture and profits. Facts of interest can, however, be brought out concerning the relative importance of the different classes of expenses which make up the total.

The following table shows, for 1909, in percentages, the distribution of expenses among the classes indicated for all industries combined and for certain important industries separately. The figures on which the percentages are based appear in Table II, page 774.

and the second	PER CE	NT OF T REP	OTAL EX ORTED.	PENSES
INDUSTRY.	Sala- ries.	Wages.	Ma- terials.	Miscel- laneous ex- penses.
All industries Beiting and hose, woven and rubber. Beots and shoes, including cutstock and findings. Bread and other bakery products. Cars and general shop construction and repairs by steam-railroad companies. Chemicals. Clothing, men's, including shirts. Copper, in, and sheet-iron products. Cotton goods, including cotton small wares. Dyeing and finishing textiles. Electrical machinery, apparatus, and supplies. Fertilizors. Fertilizors. Leather, tanned, unried, and finished. Liquors, malt. Liquors, malt. Liquors, malt. Liquors, malt. Liquors, terra-cotta, and fine-clay products. Protery, terra-cotta, and fine-clay products. Printing and publishing. Paper and wood publ. Pottery, terra-cotta, and fine-clay products. Silk and silk goods, including throwsters. Slaughtering and mest packing Smelting and refining, copper. Semelting and refining, not from the ore. Song. Tobaeco manifactures. Wire. Woolen, worsted, and felt goods, and wool hats.	$\begin{array}{c} 6.00\\ 6.04\\ 6.24\\ 4.72\\ 3.7.67\\ 7.83\\ 7.09\\ 6.82\\ 1.3.04\\ 2.95\\ 1.3.4\\ 5.09\\$	$\begin{array}{c} \textbf{16.4}\\ \textbf{13.3}\\ \textbf{25.6}\\ \textbf{19.5}\\ \textbf{42.5}\\ \textbf{31.7}\\ \textbf{27.0}\\ \textbf{37.1}\\ \textbf{22.00}\\ \textbf{37.1}\\ \textbf{37.1}\\ \textbf{37.1}\\ \textbf{36.3}\\ \textbf{22.00}\\ \textbf{9.4}\\ \textbf{36.3}\\ \textbf{22.5}\\ \textbf{6.7}\\ \textbf{13.6}\\ \textbf{42.5}\\ \textbf{37.1}\\ \textbf{13.6}\\ \textbf{43.3}\\ \textbf{43.3}\\ \textbf{43.3}\\ \textbf{33.3}\\ \textbf{43.3}\\ \textbf{33.3}\\ \textbf{33.5}\\ \textbf{1.12}\\ \textbf{6.7}\\ \textbf{15.1}\\ \textbf{10.11}\\ \textbf{17.1}\\ \textbf{10.11}\\ \textbf{17.1}\\ \textbf{17.1}\\ \textbf{10.11}\\ \textbf{17.1}\\ \textbf{17.1}\\ \textbf{10.11}\\ \textbf{17.1}\\ \textbf{17.1}\\ \textbf{10.11}\\ \textbf{17.1}\\ \textbf{10.11}\\ \textbf{17.1}\\ \textbf{10.11}\\ \textbf$	$\begin{array}{c} \textbf{69.7}\\ \textbf{69.7}\\ \textbf{68.9}\\ \textbf{63.0}\\ \textbf{71.8}\\ \textbf{47.2}\\ \textbf{64.9}\\ \textbf{54.7}\\ \textbf{61.1}\\ \textbf{69.2}\\ \textbf{47.0}\\ \textbf{61.1}\\ \textbf{69.2}\\ \textbf{47.0}\\ \textbf{51.4}\\ \textbf{55.4}\\ \textbf{51.1}\\ \textbf{81.4}\\ \textbf{55.4}\\ \textbf{55.4}\\ \textbf{74.2}\\ \textbf{67.93}\\ \textbf{33.0.0}\\ \textbf{68.6}\\ \textbf{83.3}\\ \textbf{35.5}\\ \textbf{74.2}\\ \textbf{67.93}\\ \textbf{35.5}\\ \textbf{55.7}\\ \textbf{49.4}\\ \textbf{55.8}\\ \textbf{92.2}\\ \textbf{98.0}\\ \textbf{66.0}\\ \textbf{1}\\ \textbf{51.7}\\ \textbf{51.7}\\ \textbf{81.5}\\ \textbf{74.9}\\ \textbf{74.9}\\ \textbf{71.2}\\ \textbf{74.9}\\ \textbf{71.9}\\ 71$	$\begin{array}{c} 7.6\\ 8.2\\ 9.6\\ 4.1\\ 51.3\\ 4.8\\ 7.0\\ 9.3\\ 8.3\\ 8.3\\ 9.7\\ 14.0\\ 6.4\\ 5.3\\ 16.9\\ 2.5\\ 0.6\end{array}$

The table shows that, for all industries combined, 69.7 per cent of the total expenses were incurred for materials, 21.1 per cent for services—that is, salaries and wages—and 9.2 per cent for other purposes. As would be expected, these proportions vary greatly in the different industries.

Engines and power.—The following table shows, for all industries combined, the number of engines or other motors, according to their character, employed in generating power (including electric motors operated by purchased current), and their total horsepower at the censuses of 1909, 1904, and 1899. It also shows separately the number and horsepower of electric motors, including those operated by current generated in the manufacturing establishments.

			-						
POWER.	OFE	UMBEI NGINE IOTORS	SOR	HO	PER CENT DISTRIBUTION OF HORSEPOWER.				
	1909	1904	18991	1909	1904	1899 1	1909	1904	1899
Primary power, total	13,044	6, 090	5,738	612, 293	436, 274	322, 503	100. 0	100.0	100.0
Owned	8,039	6,090	5,738	570,391	417,362	312,401	93. 2	95.7	96. 9
Steam. Gas. Water wheels Water motors Other	6,378 1,116 496 49	677	420	529,668 20,867 18,558 1,118 180	9,070	281,306 3,284 20,161 (2) 7,650	86.5 3.4 3.0 0.2 ( <sup>3</sup> )	88.7 2.1 4.1 ( <sup>3</sup> ) 0.8	87.2 1.0 6.3 ( <sup>2</sup> ) 2.4
Rented	5,005	(3)	(3)	41,902	18,912	10,102	6.8	4.8	3.1
Electric Other	5,005	(\$)	(1)	33, 157 8, 745			5.4 1.4	2.4 1.9	1.8
Electric motors	17, 145	4, 673	804	182, 475	69,301	15,857	100.0	100, 0	100.
Run by current generated by es- tablishment	12,140		·	149, 318	58,698	11,731	81.8	84.7	74.0
Run by rented power	5,005	(3)	(1)	33, 157	10,603	4,126	18.2	15.3	26. (

<sup>1</sup> Includes the neighborhood industries and hand trades, omitted in 1904 and 1909. <sup>2</sup> Not reported.
<sup>3</sup> Less than one-tenth of 1 per cent.

Of the increase of 289,790 horsepower in the total primary power from 1899 to 1909, 248,362 horsepower was in that generated by steam engines. The proportion of steam power in the total primary power, however, increased from 87.2 per cent in 1899 to 88.7 per cent in 1904 but decreased to 86.5 per cent in 1909. The more general use of gas engines is shown, there being 1,116 such engines, with an indicated capacity of 20,867 horsepower, reported in 1909, as against 677 engines, with 9,070 horsepower, in 1904 and 420 engines, with 3,284 horsepower, in 1899. The figures also show that the practice of renting electric power is on the increase, 5.4 per cent of the total power being of this character in 1909, as compared with 2.4 per cent

in 1904 and 1.3 per cent in 1899. Water power and the owned power classed as "Other" show decreases for the decade.

The use of electric motors for the purpose of applying the power generated within the establishment is also shown to be increasing rapidly, the horsepower of such motors having increased from 11,731 in 1899 to 58,698 in 1904 and 149,318 in 1909.

Fuel.—Closely related to the question of kind of power employed is that of the fuel consumed in generating this power or otherwise utilized as material in the manufacturing processes.

The following table shows the quantity of each kind of fuel used in 1909 for all industries combined and for certain selected industries:

Copper, tin, and sheet-iron products.       9,177       8,247       399       20       1,583       13,54         Cotton goods, including cotton small wares.       48,696       29,905       11       1,83       1,640       69,12         Dycing and finishing textiles.       304,610       109,535       190       1,640       69,12         Electrical machinery, apparatus, and supplies.       26,633       45,919       549       30       3,248       74,50         Fertilizers.       11,7348       161,069       92,806       4,159       20,155       3,428       4628,200       30,304         Gas, illuminating and heating.       72,909       78,902       15       3,428       4628,200       16,83       30,304       100,503       30,304       100,503       30,304					_			
Belting and hose, woven and rubber37,38313,7091Boots and shoes, including out stock and findings37,38313,70910Bread and other bakery prod- ucts47,5514,3985,7692,0988318,67Cars and general shop construc- tion and repairs by steam- rallroad companies62,18550,51949231Chemicals215,26576,7341,863508,9391,85Clothing, men's, including shirts5,254193823910,11Copper, tin, and sheet-iron products9,1778,247399201,58313,64Cotton goods, including cotton small wares9,1778,247399201,58313,64Cotton goods, including cotton groundry and machine-shop products9,1778,247399201,58313,64Cotton goods, including cotton restilizers26,63345,919549303,24874,50Foundry and machine-shop products11,7,348161,05992,8064,15020,16538,92Hats, fur-felt29,0978,902153,4284 628,28010,50Horn and steel, steel works and rolling mills21,67616,06110,256216,328Jewerry28,79963931826631,771,252,6118,96487732,0803,466Lather, tanned, curried, and fulshed14,56977,845192512516,343	INDUSTRY.	cite coal	nous coal		(cords)	cluding gasoline	(1,000	
Belting and hose, woven and rubber37,38313,7091Boots and shoes, including out stock and findings37,38313,70910Bread and other bakery prod- ucts47,5514,3985,7692,0988318,67Cars and general shop construc- tion and repairs by steam- rallroad companies62,18550,51949231Chemicals215,26576,7341,863508,9391,85Clothing, men's, including shirts5,254193823910,11Copper, tin, and sheet-iron 	All industries	3.725.740	8.763.581	789 088	48 571	1 190 600	PAG 740	
Boots and shoes, including out stock and findings	Belting and hose, woven and				10,011	1,100,002	092,793	
stock and findings4,0202,911101021,344Bread and other bakery prod-47,5514,0202,911101021,344Cars and general shop construction and repairs by steam- railroad companies62,13550,510101021,344Chemicals47,5514,0202,911101021,34Chemicals62,13550,5101010Common and repairs by steam- railroad companies215,26576,7341,863Colspan="4">Colspan="4">10503,93910,101Cotton goods, including cotton small wares48,60629,9051,86Porducts11,47430,4610106,535100Foundry and machinery, apparatus, and supplies24,6634,59124,6634,59110Foundry and machinery, apparatus, and supplies2,6796,334,629,28064,586Foundry and machinery, apparatus, and supplies21,724 <th cols<="" td=""><td>rubber.</td><td>37,383</td><td>13,799</td><td>•••••</td><td>•••••</td><td>•••••</td><td>7</td></th>	<td>rubber.</td> <td>37,383</td> <td>13,799</td> <td>•••••</td> <td>•••••</td> <td>•••••</td> <td>7</td>	rubber.	37,383	13,799	•••••	•••••	•••••	7
Bread and other bakery products.47,5514,3985,7692,0988318,67Cars and general shop construction and repairs by steam- rallroad companies.62,13550,5104923Chemicals.215,20576,7341,863508,9991,85Clothing. medical machines.62,13550,5104923Copper, tin, and sheet-iron products.9,1778,247399201,583Cotton goods, including cotton small wares.48,56629,90511Dyeing and finishing textiles.26,63345,919549303,248Fertilizers.26,63345,919549303,24874,505Foundry and machine-shop products.117,348161,05992,8064,15920,15538,27Iron and steel, steel works and rolling mills.27,2960179,9153,4284628,2803,3Jewerry.28,79763,9931886613,77Lacher, tanned, curried, and finished.14,70977,8451925125Oil, not elsewhere specified.9,72719,0611026320Oil, not elsewhere specified.9,785291,8571,1421,2287031Paper and wood pulp167,94474,89365,3951,55710264462Colletor, tand duraistiong and machinesten3,52633,4601,543833805Silk and silk goods, including t	stock and findings	4,020	2,911	10		192	1.314	
Cars and general shop construction tion and repairs by steam- railroad companies. $62,185$ $50,510$ $4$ $923$ Chemicals. $215,235$ $76,734$ $1,663$ $50$ $8,939$ $1,85$ Clothing, men's, including shirts. $215,235$ $76,734$ $1,663$ $50$ $8,939$ $1,85$ Copper, tin, and sheet-iron products. $9,177$ $8,247$ $3999$ $20$ $1,583$ $13,64$ Cotton goods, including cotton small wares. $48,696$ $29,905$ $1$ $1$ $1,640$ $89,12$ Dyeing and finishing textiles. $26,633$ $45,919$ $549$ $30$ $3,248$ $74,90$ Foundry and machine-shop products. $117,348$ $161,059$ $92,806$ $4,159$ $20,155$ $38,92$ Gas, Illuminating and heating. $72,990$ $179,915$ $3,428$ $4,628,220$ $4628,220$ Hats, fur-felt. $29,097$ $8,902$ $15$ $115,33$ $33,78$ Jewelry. $28,796$ $639$ $31$ $8$ $866$ $37,79$ Leather, tanned, curried, and finished. $14,509$ $77,345$ $192$ $5$ $125,61$ Oll, not elsewhere specified. $9,720$ $63,93$ $1,557$ $31,30$ Paper and wood pulp $167,946$ $79,845$ $192$ $50,15$ $16$ Olleloth and linoleum $17,963$ $23,400$ $1,543$ $83$ $380$ Dillothing. $8,518$ $5,624$ $62$ $25$ $98$ Shibe down are specified. <td>Bread and other bakery prod-</td> <td>۰. ۱</td> <td></td> <td></td> <td>0.000</td> <td></td> <td>- <u>-</u></td>	Bread and other bakery prod-	۰. ۱			0.000		- <u>-</u>	
tion and repairs by steam- railroad companies $62, 135$ $215, 265$ $50, 510$ $$ $4$ $923$ $923$ Chemicals clothing, men's, including shirts $215, 265$ $76, 734$ $1, 863$ $50$ $8, 939$ $1, 853$ Clothing, men's, including cotton products. $9, 177$ $8, 247$ $399$ $20$ $1, 583$ $13, 64$ Cotton goods, including cotton small wares. $9, 177$ $8, 247$ $399$ $20$ $1, 583$ $13, 64$ Dyeing and finishing textiles. $9, 177$ $8, 247$ $399$ $20$ $1, 583$ $13, 64$ Dyeing and finishing textiles. $304, 610$ $109, 535$ $190$ $1, 640$ $89, 12$ Electrical machinery, appara- tus, and supplies. $26, 633$ $45, 919$ $549$ $30$ $3, 248$ $74, 500$ Ferdilizers. $11, 7, 348$ $161, 059$ $92, 806$ $4, 159$ $20, 155$ $38, 20$ Iron and steel, steel works and roling mills. $27, 9007$ $8, 902$ $155$ $116, 32$ Jewelry. $28, 979$ $639$ $31$ $8$ $266$ $37, 772$ Leather, tanned, curried, and roling mills. $14, 669$ $77, 345$ $192$ $5125$ $616$ Oil, not elsewhere specified. $9, 725$ $19, 651$ $100$ $268$ $276$ $19, 284$ Oil, not elsewhere specified. $17, 903$ $42, 871$ $1, 651$ $31$ $39, 90$ Paper and wood pulp $167, 040$ $79, 481$ $102, 523$ $51$ $16, 9$	Cars and general shop construc-	47,001	4,090	0,109	2,098	83	18,678	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	tion and repairs by steam-	0.00						
Clothing, men's, including shirts	railroad companies	$\begin{bmatrix} 62,185\\ 215,265 \end{bmatrix}$	50,519		4		1 000	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Clothing, men's, including	1 1 1		1	i i	1 1	1,000	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	shirts	5,254	193		8	239	110,111	
Cotton goods, including cotton small wares	products	9,177	8,247	399	20	1,583	13, 543	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Cotton goods, including cotton	1	· ·	ł		-,	-	
Electrical machinery, apparative, and supplies.       26,633       45,919       549       30       3,248       74,50         Fertilizers.       11,479       30,304       10       50         Poundry and machine-shop products.       11,479       30,304       10       50         Gas, Illuminating and heating.       72,900       179,915       3,428       4628,280       36,828         Hats, fur-feit.       29,097       8,902       15       1       16,32         Iron and steel, steel works and roling mills       31,671       252,611       8,964       877       32,088       3,345         Jeweiry.       2,879       639       31       8       36513,71       1252,611       8,964       877       32,088       3,348         Jueweiry.       2,879       639       31       8       36513,71         Leather, tanned, curried, and findshed.       14,569       77,345       192       5       125       66         Liquors, mait.       97,275       19,051        10       253       22       694       8,6         Oil, not elsewhere specified.       9,702       6,328       1,557        10       25       10       50       10	smail wares	48,590	1 29,905	100		1 1 640	1,365	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Electrical machinery, appara-	1						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	tus, and supplies.	26,633				3,248	74,50	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Foundry and machine-shop	1,40	00,009		1 10	00		
Hats, für-leit       29, 697 $3, 902$ 15, 202         Iron and steel, steel works and rolling mills       29, 697 $3, 902$ 16         Jewelry       2, 879       639       31       8       8205       37, 32         Jewelry       2, 879       639       31       8       865       13, 71         Leather, tanned, curried, and finished       14, 509       77, 345       192       5       125, 661         Liquors, mait.       97, 275       19, 051       10       268       5       10       268       5         Oil, not elsewhere specified.       9, 702       6, 228       45       5, 50.15       16       6         Oilcloth and linoleum       17, 490       45, 395       1, 557       5       11       52          Paint and vanish       17, 493       45, 395       1, 142       1, 238       703       1         Printing and publishing       8, 518       5, 624       62       25        9          Rubber goods, not elsewhere       20, 120       69, 485       25        9        5       5       5       5       6       5       5       <	products	117,348			4,159	20,165	38,92	
Iron and steel, steel works and rolling mills	Gas, illuminating and heating	. 72,990	1 179,910	3,428	6 - 4 15	628,280	16.35	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Iron and steel. steel works and	20,00			1.1		10,00	
Leather, tanned, curried, and finished.       14,560       77,845       192       5       125       66         Liquors, mait       97,275       19,051       10       253       25       264       8,6         Lumber and timber products       10,770       6,127       42       132       664       8,6         Oil, not elsewhere specified.       9,76       6,328       45       5,015       16       6         Paper and wood pulp       17,439       65,395       1,557       52       13       10       73         Paint and varaish       17,693       42,871       1,581       3       13       10       10         Paper and wood pulp       167,046       79,431	rolling mills	. 01,07	252,611	8,964			3,34	
Liquors, malt       97,275       19,051       10       253       253         Lumber and timber products       10,770       6,127       42       132       644       8,6         Oil, not elsewhere specified       9,726       6,328       45       5,015       16       6         Oilcloth and linoleum       17,439       65,395       1,557       3       33       3,0         Paper and wood pulp       167,046       79,431        52        53       56       24       62       25        52        56       54       62       25        56       56       56       56       56       56       56       56       56       56	Jewelry. Lesther tanned curried and	2,8/1	031	1 . 01		1 800	10,10	
Limbler and timber products       10,770       6,127       42       182       664       8,6         Oil, not elsewhere specified       9,782       6,288       45       5,015       16       64       8,6         Oil, not elsewhere specified       17,489       65,395       1,557       1,557       13       3,0         Paint and wood pulp       167,046       70,431			77,34				69	
Cil, not elsewhere specified       9,762       6,323       451       6,015         Cilcloth and linoleum       17,493       65,325       1,551       31       32         Paint and varnish       17,903       42,871       1,581       3       52          Paint and varnish       17,903       42,871       1,581       3       52          Pottery, terra-cotts, and fire- clay products       167,046       79,431        52       703       1         Printing and publishing       80,785       291,857       1,142       1,238       703       1         Printing and publishing       8,518       5,624       62       25        9          Shifpbuliding, including boat building       3,526       33,460       1,543       83       380       5         Silk and silk goods, including       74,000       16,817       8       277       56,44         Smelting and refining, copper.       223,608       92,829       36,626        26,225       1,1         Smelting and refining, not from the or       6,068       68,816       21,169       885       53,112       2         Soap       20,226       1,	Liquors, malt	97,27	5 19,05	4				
Oilcloth and linoleuim       17,439       65,395       1,557         Paint and varnish       17,909       42,871       1,551         Paper and wood pulp       167,046       79,431       52         Pottery, terra-cotts, and fire- clay products       80,785       291,857       1,142       1,238         Printing and publishing       8,518       5,624       62       25       703       19,2         Rubber goods, not elsewhere       20,120       69,485       25       9       9       9         Slik and silk goods, including throwsters       3,526       33,460       1,543       83       380       5         Slaughtering and meat packing       64,448       2,365       1,031       224       4,6         Smelting and refining, not from the orc       6,068       68,810       21,169       855       53,112       2         Soap       20,226       11,529       81       11       20,226       81       11       8,21         Yange and mufactures       20,226       11,529       77       8,1	Oil not elsewhere specified	. 10,770	6 8 9 9	4				
Paper and wood pulp       167,040       '9,431       22         Pottery, terra-cotta, and fire- clay products       80,785       291,857       1,142       1,238       703       1         Printing and publishing       8,518       5,624       62       25       276       19,2         Rubber goods, not elsewhere specified       20,120       09,485       25       9       9         Silh pullding, including boat building       3,526       33,460       1,543       83       880       5         Silk and silk goods, including throwsters       74,090       16,817       8       276       56         Smelting and refining, copper, 223,608       92,829       36,626       25,221       1,1         Smelting and refining, not from the orc.       6,068       68,816       21,169       885       53,112       2         Soap       20,226       1,529       81       1       3       77       8,1         Wive       13,628       13,224       44,62       13,224       4,63       4,62       25,225       1,1         Soap       22,326       92,829       36,626       12,226       1,1       24       4,63         Soap       20,226       1,529       81 <td>Oilcloth and linoleum</td> <td>17,43</td> <td>65,395</td> <td>1,557</td> <td></td> <td></td> <td> ·····</td>	Oilcloth and linoleum	17,43	65,395	1,557			·····	
Paper and wood pulp       167,040       '9,431       22         Pottery, terra-cotta, and fire- clay products       80,785       291,857       1,142       1,238       703       1         Printing and publishing       8,518       5,624       62       25       276       19,2         Rubber goods, not elsewhere specified       20,120       09,485       25       9       9         Silh pullding, including boat building       3,526       33,460       1,543       83       880       5         Silk and silk goods, including throwsters       74,090       16,817       8       276       56         Smelting and refining, copper, 223,608       92,829       36,626       25,221       1,1         Smelting and refining, not from the orc.       6,068       68,816       21,169       885       53,112       2         Soap       20,226       1,529       81       1       3       77       8,1         Wive       13,628       13,224       44,62       13,224       4,63       4,62       25,225       1,1         Soap       22,326       92,829       36,626       12,226       1,1       24       4,63         Soap       20,226       1,529       81 <td>Paint and varnish</td> <td>17,90</td> <td>42,87</td> <td>1,581</td> <td></td> <td></td> <td></td>	Paint and varnish	17,90	42,87	1,581				
clay products       80,785       291,857       1,142       1,226       763       1         Printing and publishing       8,518       5,624       62       25       276       19,2         Rubber goods, not elsewhere specified       20,120       09,485       25        9          Shipbuilding, including boat building,	Paper and wood pulp	. 167,04	3 79,43	4		- 04	•••••	
Printing and publishing	cley products	80.78	291.85	1.142	1.238	3 703	12	
Rubber goods, not elsewhere specified.         20,120         69,485         25         9           Shipbuilding, including boat building         3,526         33,460         1,543         83         380         5           Silk and silk goods, including throwsters         3,526         33,460         1,543         83         380         5           Silk and silk goods, including throwsters         54,408         2,366         1,031         234         4,68           Smelting and refining, copper.         223,608         92,829         36,026         1,031         25,225         1,1           Smelting and refining, not from the orc	Printing and nublishing	8.51	5,624	62	2	276	19,20	
specified         20,120         09,435         23         24           Shfpbullding,	Rubber goods, not elsewhere				1.1.1	Ι.		
billding         3,526         33,460         1,543         83         80         80           Silk and silk goods, including         74,090         16,817         8         273         5.6           Slaughtering and meat packing         54,468         2,365         1.031         284         4.6           Smelting and refining, copper         223,608         92,829         36,020         1.2         25,225         1.1           Smelting and refining, not from the or         6,068         68,816         21,169         885         53,112         2           Soap         20,226         1,529          77         8,1           Wire         13,628         13,271         2,014         42,930	specified	. 20,12	0 69,48	<b>j</b> 24	···· ·		•••••	
Sills and silk goods, including throwsters	huilding	3.52	33.460	1,549	3 8	3 380	50	
Shargh tering and meat packing.         54,468         2,355         1,031         284         4,6           Smelting and refining, copper.         223,608         92,829         36,626         25,225         1,1           Smelting and refining, not from the ore.         6,008         68,816         21,169         885         53,112         2           Soap.         27,240         21,625         81         1         3         7         8,1           Wive         13,629         13,229         11,72         2,014         42,930         42,930	Silk and silk goods, including				1.2.1	077	5.84	
Smelling and refining, copper.         223,608         92,829         36,120         7.00         25,225         1,1           Smelting and refining, copper.         223,608         92,829         36,020         25,225         1,1           Smelting and refining, not from the orc.         6,068         68,816         21,169         885         53,112         2           Tobacco manufactures.         20,226         1,529	throwsters.	. 74,09	16,81	(	1.03			
Smelting and refining, not from the orc	Shaughtering and refining, conper-	223,60	S 92.82	36.62	3			
the orc.         6,008         66,610         21,107         ccd         67,117         87,107           Soap.         27,240         21,625         81         77         8,1           Tobacco manufactures.         20,296         1,529         81         77         8,1           Wire         13,628         113,117         2,014         42,930         42,930	Smelting and refining, not from				1.1.1.1.1			
Soap         27,240         21,020         81           Tobacco manufactures         20,290         11,529         85         77         8,1           Wire         13,628         118,117         2,014         42,930         42,930	the ore.	6,06	8 68,81	21, 169		08,11	3	
13.628 $113.117$ $2.614$ $42.800$	Tobacco manufactures	27,24	1, 21, 02 1, 59	őő.	8	5 7		
Woolen, worsted, and felt goods, and wool hats	Wire	13.62	i 113,11	2,61				
and wool hats	Woolen, worsted, and felt goods,	,			1.	1 05		
All other industries	and wool hats	$ _{1,205,20}^{126,84}$	1  26,43	8 558 30	27.76	8 371.01	459,19	
	All other moustres	-  -, 100, 10	1,121,20		1		1	

Nore.-In addition, there were 9,515 tons of other variaties of fuel reported.

#### SUPPLEMENTARY DATA REGARDING IMPORTANT INDUSTRIES.

#### (With statistics for laundries and custom sawmills and gristmills.)

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantity and cost of materials and the quantity and value of products, number and classes of machines used,

and other information for securing which no provision is made on the general schedule. Certain data of this character for a number of important industries in New Jersey are here presented. Textiles.—The relative importance of seven of the eight principal textile industries in New Jersey, measured by value of products, is shown in the following table, which presents the total amount reported for each at the last three censuses:

	VALUE OF PRODUCTS.						
ind ustry.	1909	1904	1899				
Total	\$133, 205, 000	\$85,045,000	\$72, 640, 000				
ilk and silk goods, including throwsters. Woolen, worsted, and felt goods, and	65, 430, 000	42,863,000	39,967,000				
wool hats	33,939,000	16, 394, 000	12,270,000				
otton goods, meruding could binner	13,729,000	8,579,000	6.031.000				
wares. Jats, fur-felt ordage and twine and jute and linen	8,825,000	9, 540, 000	6,031,000 7,211,000				
ordage and twille and juse and ince	5,527,000	3,371,000	2,956,000				
goods. Josiery and knit goods.	3,810,000	2,549,000	1,782,000				
arpets and rugs, other than rag	1,945,000	1,749,000	1,523,000				

The progress of the textile industries in New Jersey during the past decade is indicated by the following table, which shows the number of spindles, looms, and other equipment reported for four leading industries of this group in 1909, 1904, and 1899:

MACTIME.	Cen- sus.	Total.	Cotton goods, including cotton small wares.	Woolen, worsted, and felt goods, and wool hats.	Silk and silk goods, including throw- sters.	Hosiery and knit goods.
Producing spindles	1909 1904 1899	910,724 864,984 868,812	420,784 436,764 431,730	230,714 181,293 147,084	249, 644 237, 435 281, 590	9,582 9,462 8,408
Looms	1909 1904 1899	37,287 29,984 25,487	3,381 2,250 2,276	4, 991 3, 799 2, 639	28,915 23,935 20,572	
Knitting machines	1909 1904 1899	1,492 1,345 1,335	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		1, 492 1, 345 1, 335
Woolen cardş (sets)	1909 1904 1899	163 205 223		131 179 197		32 26 26
Wool-combing machines	1909 1904 1899	265 160 125		265 166 125	· · · · · · · · · · · · · · · · · · ·	

The total number of producing spindles increased from 864,984 in 1904 to 910,724 in 1909, or 5.3 per cent, the largest increase being in the woolen and worsted goods industry. The total number of looms increased from 29,984 in 1904 to 37,287 in 1909, or 24.4 per cent, the largest relative gain being in the cotton-goods industry, although both the silk and the woolen industries show substantial increases. The number of sets of woolen cards decreased, while the number of combing machines increased, these changes resulting from a decline in the woolen branch and a rapid growth in the worsted branch of the woolen and worsted goods industry.

Silk and silk goods, including throwsters.—The next table gives in detail the quantity and cost of the principal materials used and the quantity and value of the principal products manufactured in the silk-goods industry in 1909, 1904, and 1899.

The raw silk used in 1909 amounted to 6,112,647 pounds, costing \$23,705,609, an increase of 72 per cent in quantity and 70.3 per cent in cost over the corresponding figures for 1904. The quantity of spun silk purchased in 1909 was greater than in 1904, but the quantity of organzine and tram purchased was somewhat less. The latter condition is due to a large extent to the increase in the practice among the mills of having the raw silk thrown on contract instead of purchasing the silk in the form of organzine and tram.

Of the products, plain and fancy broad silks were the most important. The output of those made wholly of silk in 1909 was 36,759,094 yards, valued at \$24,000,880, a gain of 11.5 per cent in quantity and 26.1 per cent in value over the corresponding figures for 1904. The production of all-silk Jacquards practically doubled in the five years. In each class of broad silks, the silk-mixed fabrics show a greater relative increase than the all-silk fabrics. The value of the ribbons produced in 1909 shows a gain of 49.2 per cent over 1904, and of 79.5 per cent over 1899. The large increase in the amount received for contract work is indicative of the greater prevalence of commission throwing; the quantity of silk thrown on commission in 1909 was 2,661,205 pounds, as compared with 1,689,088 pounds in 1904.

MATERIAL OF PRODUCT.	1909	1904	1899
Materials used, total cost	\$33, 265, 177	\$22, 339, 447	\$21,631,118
Silk: Raw—			
Pounds	6,112,647 \$23,705,609	3,553,090 \$13,920,194	3,155,334
Cost	\$23,705,609	\$13,920,194	3,155,334 \$13,514,501
Spun— Pounds	244,617	154 201	178,785
Cost	244,617 \$628,027	154,201 \$341,298	\$533,612
Artificial-			
Pounds	103,148 \$197,208	8,066 \$35,074	••••••
Cost Organzine and tram— Pounds			
Pounds	1,143,754	1,343,081	1,209,012
Cost Yarns, other than silk:	\$4,899,843	\$5,832,154	\$5,702,500
Cotton_			
Pounds	1,889,158 \$781,061	1,054,973	757,480
Cost. Mercerized cotton-	\$781,061	\$402,480	\$304,48
Pounde	490, 307	261,905	122,053
Cost	490,307 \$390,198	261,905 \$208,204	\$90,013
Cost Cost Woolen or worsted— *Pounds. Cost	00 100	05 505	
Cost	69,169 \$106,333	25,725 \$27,962	16,940 \$15,042
Other:			•10,01
Pounds	122,303 \$170,009	14,891	480
Cost	\$170,009	\$10,622	\$170
Chemicals and dyestuffs Fuel and rent of power All other materials	\$455,342	\$191,553	(4)
Fuel and rent of power	\$455,342 \$537,514 \$1,394,033	\$191,553 \$404,394	(1) \$243,212
All other materials	\$1,394,033	\$965, 512	\$1,227,581
Products, total value	\$65, 429, 550	\$42, 862, 907	\$39,966,662
Organzine and tram, for sale:			
Pounds	266,458	171,187 \$777,250	315,640
	\$1,240,406	\$777,250	\$1,500,060
Broad silks: Plain and fancy—			
All-silk—			
Yards, single width	36,759,094	32,971,793 \$19,031,558	28, 268, 970
Value Silk-mixed—	\$24,000,880	\$19,031,558	\$18,871,328
Yards, single width	6,077,863	1,822,091	2, 331, 498
Yards, single width Value	6,077,863 \$3,808,772	\$1,404,546	\$1,680,091
Jacquard			
All-silk— Vards, single width	10.880.081	5,480,654	6 451.65
Yards, single width Value	10, 880, 081 \$8, 352, 659	\$4,388,069	6, 451, 651 \$4, 722, 533
Silk-mixed-		4 000 404	
Yards, single width	2,722,960 \$1,970,175	1,220,195 \$749,466	1,466,35 \$1,154,36
Walna			
Value Piece-d ved	\$1,970,175	\$110,100	1
Piece-dyed All-silk			
Piece-dyed All-silk Yards, single width			1,694,67
Piece-dycd All-silk Yards, single width Value	\$1,970,178 4,763,872 \$3,200,166	3,874,771 \$2,175,034	
Piece-dycd All-silk Yards, single width Value Silk-mixed	4,763,872 \$3,200,166 3,584,329	3,874,771 \$2,175,034 1,331,233	1,694,67 \$905,94 381,00
Piece-dycd All-silk Yards, single width Value	4,763,872 \$3,200,166		1,694,67 \$905,94 381,00
Piece-dyed— All-silk— Yards, single width Silk-mixed— Silk-mixed— Yards, single width Value.	4,763,872 \$3,200,166 3,584,329 \$1,834,553	3,874,771 \$2,175,034 1,331,233 \$439,935	1,694,67 \$905,94 381,00 \$154,50
Piece-dyed All-silk Yards, single width Value Silk-mixed Yards, single width Value Bibbons	4,763,872 \$3,200,166 3,584,329 \$1,834,553 \$14,971,005	3,874,771 \$2,175,034 1,331,233 \$439,935 \$10,036,331	1,694,67 \$905,94 381,00 \$154,50 \$8,341,72
Piece-dyed— All-silk— Yards, single width Silk-mixed— Yards, single width Value Ribbons Laces, nets, vells, vellings, etc	4,763,872 \$3,200,166 3,584,329 \$1,834,553 \$14,971,005 \$531,923	3,874,771 \$2,175,034 1,331,233 \$439,935 \$10,036,331 \$414,891	1,694,67 \$905,94 381,00 \$154,50 \$8,341,72 \$423,25
Piece-dyed All-silk Yards, single width Value Silk-mixed Yards, single width Value Bibbons	4,763,872 \$3,200,166 3,584,329 \$1,834,553 \$14,971,005	3,874,771 \$2,175,034 1,331,233 \$439,935 \$10,036,331	1,694,67 \$905,94 381,00 \$154,50 \$8,341,72

<sup>1</sup> Not reported separately.

Woolen, worsted, and felt goods, and wool hats.—The following table gives the quantity and cost of the principal materials used in this industry in 1909, 1904, and 1899:

MATERIAL,	1909	1904	1899 1
Total cost	\$21,032,879	\$10,627,540	\$7, 625, 895
Wool: In condition purchased—			
Pounds	44, 150, 157	37, 371, 456	18,005,003
Cost.	\$11,673,250	\$6,865,098	\$5,128,902
Domestic-	· • · · · · · · · · · · · · · · · · · ·	- + cj 0 c c j 0 c c	
Pounds	31, 109, 309	33,963,274	13,022,301
Cost	\$6,896,485	\$5,638,501	\$3,611,294
Foreign—			
Pounds	13,040,848	3,408,182	4,983,302
Cost	\$4,776,765	\$1,226,597	\$1,517,608
Equivalent in scoured condition,			
pounds	22,346,674	14,859,789	9,728,167
Tailors' clippings, rags, etc.: Pounds	1 041 000		
Pounds	1,051,906	5,813,231	( <sup>2</sup> ) \$186,667
Cost Cotton:	\$42,276	\$283, 393	\$180,007
Pounds	228,378	625,301	1,519,668
	\$26,541	\$69,456	\$106,294
Cost. Shoddy, mungo, and wool extract:	67010±1	0001-200	0100,201
Pounds.	272,038	264,764	195,983
Cost	\$37,974	\$40,562	\$26,250
Waste and noils:			····/
Pounds	1,586,752	973,898	1,209,093
Cost	\$557,593	\$246,702	\$326,630
Yarns, purchased:	-		} .
Worsted-		) <u> </u>	
Pounds	5,869,786	1,307,443	375,520
Cost	\$5,823,416	\$995, 207	\$256,593
Woolen— Pounds	90,084	138, 627	283,000
Cost	\$73,145	\$96,907	\$169,480
Cotton-	€7∂,±%⊔	490,007	\$108,400
Pounds	833, 227	1,819,443	966,787
Cost	\$189,702	\$293, 620	\$190,402
Silk and spun silk-		1	
Pounds	6,122	5,855	1,806
Cost	\$31,284	\$18, 227	\$4,965
Chemicals and dyestuffs	\$482,983	\$384,717	\$338,234
Fuel and rent of power	\$403,317	\$262,916	\$153,987
All other materials	\$1,691,398	\$1,070,735	\$737,485
(a) A set of the se			i

<sup>1</sup> Excluding statistics for two establishments, to avoid disclosure of individual operations, <sup>2</sup> Not reported.

This table shows a number of important changes between 1904 and 1909 in the quantity and character of the materials used in the industry. The quantity of foreign wool used increased greatly, while that of domestic wool decreased. In 1909, of the total quantity of wool reported, 70.5 per cent was domestic and 29.5 per cent foreign, while in 1904 the proportions were 90.9 per cent and 9.1 per cent, respectively. There was an increase in total quantity of wool, as shown on the scoured-wool basis, from 9,728,167 pounds in 1899 to 22,346,674 pounds in 1909. The quantity of tailors' clippings, rags, etc., and of cotton and cotton yarn purchased fell off considerably, but the quantity of worsted yarn purchased increased 248.2 per cent from 1899 to 1904, and 349 per cent from 1904 to 1909.

The quantities and values of the products of the industry are shown in the next table.

The increase in wool manufactures as a whole has been almost entirely in the worsted-goods branch of the industry. The output of worsted dress goods more than quadrupled during the decade, amounting in 1909 to 19,126,851 square yards, valued at \$10,855,092. Included under the head of "All other" all-wool woven goods are large quantities of carded wool fabrics, especially woolen dress goods. Contrasted with the large increases in all-wool fabrics are the decreases in the quantities of cotton-mixed and cotton-warp goods. The large increase in the quantity of worsted yam produced for sale indicates a greater degree of specialization in the industry. Because of the fact that the spinning and the weaving operations are frequently carried on in different establishments, the products of one establishment in the industry often become materials for another. To the extent, therefore, that the yams manufactured for sale were sold by the establishments producing them to other establishments in the state engaged in the woolen industry, for use as materials in their manufacturing processes, a duplication is involved in the total cost of materials and value of products for the industry.

PRODUCT.	1909	1904	1899 1
Total value . All-wool woven goods, both woolen and worsted:	\$33, 938, 637	\$16, 398, 689	\$12,270,317
Worsted coatings and suitings— Square yards. Value. Worsted dress goods—	2,660,339 \$3,643,739	1,370,951 \$1,089,384	868, 859 \$617, 316
Square yards. Value. All other—	19,126,851 \$10,855,092	11,693,773 \$4,296,178	4, 368, 475 \$1, 310, 543
Square yards Value Cotton-mixed and cotton-warp woven	5,005,897 \$4,422,523	3,740,102 \$2,206,403	2,941,188 \$1,708,952
goods: Square yards. Value. Worsted yarn, for sale:	3,216,002 \$1,362,695	8,006,335 \$2,491,003	7,499,379 \$3,802,261
Pounds Value Noils:	11,100,625 \$11,517,331	5,676,075 \$4,610,434	2 4, 665, 683 \$3, 605, 322
Pounds Value Waste:	1,628,352 \$588,740	878,838 \$311,906	708,793 \$229,424
Pounds Value	2,102,373 \$528,524	1,136,229 \$326,740	702,392 \$211,683
All other products	\$1,019,993	\$1,061,641	\$784,816

<sup>1</sup> Excluding statistics for two establishments, to avoid disclosure of individual operations. <sup>2</sup> Includes tops.

Cotton goods, including cotton small wares.—The following table shows the quantity and cost of the principal materials used and the quantity and value of products reported for this industry in 1909, 1904, and 1899:

MATERIAL OR PRODUCT.	1909	1904 1	1899
Materials used, total cost	\$8,564,798	\$5,142,785	\$3,157,768
Cotton: Pounds Cost	18,400,527 \$3,113,446	16, 319, 367 \$2, 647, 840	15, 287, 868 \$1, 411, 743
Cotton yarn: Pounds Cost	10, 451, 910 \$4, 206, 668	5, 523, 955 \$1, 385, 751	2, 918, 328 \$582, 929
Starch	\$33,040 \$111,385 \$199,252 \$900,942	\$19,711 \$75,363 \$178,570 \$835,550	\$26, 821 \$298, 014 \$127, 700 \$710, 560
<b>Products</b> , total value Plain and fancy fabrics, twills, sateens,	\$18,728,874	\$8,578,527	\$6,980,766
and duck: Square yards Value.	17, 376, 260 \$4, 064, 351	18, 159, 747 \$1, 606, 199	13, 159, 520 \$1, 280, 540
Other woven goods: Squaro yards Value	22, 820, 187 \$1, 255, 644	12, 145, 798 \$468, 295	15, 107, 858 \$537, 475
Yarns, for sale: Pounds. Value.	4, 926, 844 \$1, 810, 075	4, 230, 629 \$1, 285, 023	3, 727, 86 \$870, 82
Waste, for sale: Pounds Value.	3, 569, 041 \$211, 347	3, 305, 170 \$203, 633	2,547,06 \$78,20
All other products	\$6, 387, 457	\$5, 015, 377	\$4, 163, 72

1 Excluding statistics for one establishment, to avoid disclosure of individual operations.

The quantity of raw cotton consumed increased 2,081,160 pounds, or 12.8 per cent, and its cost \$465,606, or 17.6 per cent, from 1904 to 1909. The cost of cotton used in 1909 averaged almost 17 cents a pound, the highest for any of the states. This is accounted for by the extensive use of sea-island and Egyptian cottons in the manufacture of thread. The fact that the quantity of cotton yarn purchased nearly doubled during the same five-year period indicates an increasing reliance by the weavers upon independent spinners of cotton yarn.

<sup>•</sup> Thread is the most important product of the cotton mills of the state, but in order to avoid disclosure of the operations of individual establishments the value is included under "All other products." The output of plain and fancy fabrics, twills, sateens, and duck was smaller in quantity in 1909 than in 1904, but more than twice as great in value. This is due very largely to a decrease in the production of fancy woven fabrics and to a very large increase in the production of highgrade duck. The products included under the head of "Other woven goods," which increased 87.9 per cent in quantity and 168.1 per cent in value from 1904 to 1909, consist principally of cotton towels and toweling, mosquito netting, and tapestries.

To the extent that the yarns made in the state for sale were sold by the establishment producing them to other establishments in New Jersey engaged in the cotton-goods industry, for use as material in their manufacturing processes, their value represents a duplication in both the total cost of materials and the total value of products for the state.

Slaughtering and meat packing.—The remarkable growth in this industry from 1904 to 1909 was due largely to the growth of the meat-packing branch of the industry. The table following shows the quantity and cost of materials and the quantity and value of products for 1909, 1904, and 1899.

The cost of dressed meat purchased fresh for curing increased from \$1,706,436, representing 10.6 per cent of the total cost of all materials used, in 1904, to \$10,175,511, representing 30.2 per cent of the total cost of materials, in 1909. From 1904 to 1909 the output of fresh beef increased 63.6 per cent and its value 89.1 per cent, while the quantity of beef, salted or cured, was more than eighteen times as great in 1909 as in 1904 and its value was more than nineteen times as great. The output of fresh pork, the product of greatest value at each census, decreased 20.7 per cent from 1904 to 1909, but its value increased 23.9 per cent, while the output of pork, salted or cured, increased 157.1 per cent and its value 247.5 per cent. The quantity of lard reported for 1909 was more than nine times, and its value more than fourteen times, as great as in 1904. Of the other products, veal and mutton show a decrease in quantity, but an increase in value, "All other fresh meats" show a small increase in quantity but a decrease in value, sheep pelts show

a decrease in both quantity and value, while the remaining products show considerable increases in both respects.

Materials used, total cost Beeves slaughtered: Number. Cost. Calves slaughtered: Number. Cost. Sheep slaughtered;	\$33,739,5 <b>84</b> 53,234	\$16, 070, 854	\$12,965,008
Calves slaughtered: Number Cost.	53,234	1	410,000,000
Number. Cost.	\$3,668,621	38,591 \$1,839,384	29,080 \$1,552,980
	95,604 \$1,145,785	103,389 \$989,487	63, 037 \$570, 599
Number Cost. Hogs slaughtered:	423,724 \$2,283,693	502,642 \$2,376,354	380,406 \$1,585,683
Cost.	1,210,849 \$11,694,440	1,282,410 \$8,537,754	931,694 \$6,408,984
Dressed meat, purchased Fuel and rent of power All other materials	\$10,175,511 \$166,444 \$4,605,090	\$1,706,436 \$39,610 \$581,829	\$2,266,059 \$30,186 \$550,517
Products, total value Beef, fresh:	\$37,583,395	\$17,753,610	\$14, 215, 298
Pounds Value Beef, salted or cured:	35,415,243 \$3,475,755	21,653,910 \$1,837,742	18,794,370 \$1,510,941
Pounds Value. Veal:	5,445,719 \$661,906	293,925 \$32,973	245,600 \$32,540
Pounds. Value Mutton:	8,702,274 \$1,131,257	10,092,263 \$1,059,149	5,387,285 \$593,610
Pounds. Value Pork, fresh;	16,228,067 \$2,085,232	21,468,265 \$1,938,163	17,021,273 \$1,343,451
Pounds. Value. Pork, salted or cured: Founds.	96, 506, 328 \$10, 115, 850	121,630,717 \$8,166,454	76,518,271 \$5,068,390
Founds. Younds. Value. Sausage, fresh or cured	49, 690, 559 \$6, 314, 238 \$2, 864, 949	<b>19, 325, 603</b> \$1, 816, 944 \$887, 349	41, 653, 811 \$3, 542, 950 \$631, 864
Pounds. Value. Lard:	1, 538, 626 \$79, 949	1,365,846 \$97,088	
Pounds. Value. Tallow, olco stock, and stearin:	49,017,209 \$4,747,104	5, 423, 649 \$330, 592	11,668,825 \$711,979
Pounds. Value. Fertilizers and fertilizer materials:	8,785,195 \$504,836	{}	$\begin{pmatrix} 1\\1 \end{pmatrix}$
Tons Value Hides:	8,742 \$256,815	5,349 \$52,828	2,599 \$61,207
Number Pounds Value. Sheep peits:	131,027 5,102,392 \$636,928	85,064 3,230,549 \$301,230	72,773 2,395,855 \$205,278
Number Value	423, 624 \$376, 036	502,642 \$567,247	
All other products Justom or contract work	\$4,177,698 \$154,842	\$653, 601 \$12, 250	\$510,380 \$2,708

#### <sup>1</sup> Figures not available.

Wire.—This industry includes only those establishments that purchase the wire rods from which the wire is drawn. Where the wire is drawn in the same plant which manufactures the rods, the wire is reported with other products of establishments classified as "Iron and steel, steel works and rolling mills." The next table shows, for 1909, the quantity and cost of the principal materials used in the industry and the quantity and value of the products. Comparable figures are not obtainable for prior censuses.

The product of chief value in 1909 was copper wire, of which 62,686 tons were reported, having a value of \$17,777,115, or 61.6 per cent of the total value of all products for the industry in the state. New Jersey was the leading state of the Union in the production of copper wire in 1909, contributing two-fifths of the total quantity of such wire reported by the industry in the United States. There were 83,636 tons of steel and iron wire and wire manufactures produced in the state by establishments which purchased the rods,

#### MANUFACTURES-NEW JERSEY.

valued at \$8,017,520, of which 39,058 tons, valued at \$2,550,661, was drawn for sale as wire, and 44,578 tons, valued at \$5,466,859, represents the manufacture of wire into nails, rope, etc. In addition to the value of products shown in the table, the value of the wire products reported by the wire departments of rolling mills was \$2,507,079, being chiefly steel wire. By adding this amount to the total value of products shown in the table below the result obtained, \$31,365,507, represents fairly the total value of the output of wire for the state.

MATERIAL OR PRODUCT.	1909
Materials used, total cost	\$22, 297, 737
Steel and iron	92,118 \$3,323,105
Tons Cost	62,915 \$16,502,669
All other materials, including brass and miscellaneous wire rods and purchased wire.	\$2,471,963
Wire drawn, whether for consumption or sale, tons: Steel and iron. Copper	83,647 62,686
Products, total value Wire and manufactures of wire: Steel and iron—	\$28, 858, 428
Value. Wire drawn for sale—	83,636 \$8,017,520
Tons. Value. Manufactures of wire, nails, rope, etc	39,058 \$2,550,661
Tons Value	44,578 \$5,466,859
Copper— Tons Value	62, 686 \$17, 777, 115
All other products, including wire other than steel, iron, and copper.	\$3,063,793

1 Includes 92 tons of iron rods.

Leather, tanned, curried, and finished .- The quantity and value of the products manufactured during the last three census years are shown in the following table:

PRODUCT.	1909	1904	1899
Total value	\$28, 430, 955	\$21, 495, 329	\$13,747,155
Sole: Oak and chrome-	100 000		<i>(</i> 1)
Sides. Value. Patent and enameled upper	120,600 \$1,015,495		
leather— Sides	523,494	318, 182	181,082
Value. Calf and kip skins, tanned and fin-	\$2,060,181	\$1, 497, 893	\$830,540
Number	371,666	96,992	539,350
Value. Goatskins, tanned and finished-	\$856,533	\$172,550	\$999,235
Number.	6,340,036	3,481,123	4,969,191
Value Black	\$5,025,936	\$3, 161, 780	\$3,061,738
Number. Value.	5,800,833 \$4,573,552	8,466,523 \$3,141,830	3, 416, 489 \$2, 190, 403
Colored-	\$1,010,002	40, 141,000	<i>42,100,40</i>
Number	539,203	14,600	1,552,70
Value	\$452,384	\$19,950	\$871,330
Number	1,901,020	1,228,500	454, 98
Value Carriage, automobile, and furni- ture-	\$1, 529, 969	\$743,802	\$283,012
Sides.	940,572	484,552	441,873
Value	\$8, 836, 740	\$5, 143, 295	\$4, 134, 98
Trunk, bag, and pocketbook	\$1,467,097	\$1,669,360	\$906, 73
Bookhinders!	Q1 502 657	\$1,235,594	\$975,08
Leather, sold in rough	\$1,234,065	\$873,093	\$453,05
All other	\$3,663,470	\$5,555,857	\$1,720,04
All other products Work on materials for others	\$471,654 \$767,158	\$190,576 \$1,251,529	\$234,03 \$148,69

1 Not reported.

In 1909 the \$28,430,955 reported as the value of products in New Jersey represented 8.7 per cent of the total shown for the industry in the United States. Corresponding percentages for 1904 and 1899 were 8.5 percent and 6.7 per cent, respectively. Most of the different groups of products show a decided increase from 1904 to 1909. The state reported in 1909, 523,494 sides of patent and enameled upper leather, 1,901,020 tanned and finished sheepskins, and 6,340,036 tanned and finished goatskins, these figures representing 19.4 per cent, 9.7 per cent, and 13.2 per cent, respectively, of the corresponding totals for the United States.

In 1909 carriage, automobile, and furniture leather was the product of greatest value, forming 31.1 per cent in 1909 and 23.9 per cent in 1904 of the total value of products of the industry in the state. The amount received in 1909 for work on materials furnished by others (\$767,158) represents a decided decrease as compared with the amount shown for 1904, but is more than five times that reported for 1899. The estimated value of the leather treated on commission in 1909 was \$4,044,508.

Chemicals .--- The following table shows the quantity and value of certain chemicals or groups of chemicals manufactured during 1909 and 1904:

PRODUCT.	1909	1904
Total value	\$22,824,140	\$13,023,629
Acids:1	1 A. 1	
Hydrofluoric Pounds Value.	1, 182, 655 \$71, 726	(2) (2)
Muriatic– Pounds Value Other acids (acetic, boric, cittic, phosphoric, sali-	44,934,781 \$410,016	(2) (2)
Sodas:	\$2,671,086	\$1, 150, 972
Sal soda, caustic soda, and borax Tons Value	19,301 \$1,240,076 \$265,039 \$852,059	15, 849 \$1, 587, 244 \$180, 496 \$186, 910
ide, and bisulphites. Plastics. Compressed and liquefied gases: A phydrous summaria_	\$75,941 \$4,341,643	\$46,595 \$3,774,216
Pounds Value	1,386,927 \$319,590 \$104,935	(*) \$132,129 \$95,008
Fine chemicals: Alkaloids, gold, silver, and platinum salts, other, acetone, vanillin, etc.	\$2,900,030	\$1,908,749
Epsom salts: Pounds Value.	25,404,186 \$122,528	(2) (2)
Phosphates of soda: Pounds	23, 049, 129 \$436, 958	6,406,552 \$108,549
Tin salts: Pounds Value.	10,657,837 \$401,089	2, \$91, 500 \$282, 691
Zine salts: Pounds Value	22, 427, 586 \$1, 124, 613	$\begin{pmatrix} 2\\2 \end{pmatrix}$
All other chemicals	\$7,486,811	\$3,570,07

1 Not including sulphurle, nitric, or mixed acids.

Plastics (including celluloid, etc.) formed the most important class of products at both censuses, their value increasing \$567,427, or 15 per cent, from 1904 to 1909. Acids were next in importance in point of value. The principal acids included in this group are hydrofluoric, muriatic, acetic, boric, citric, phosphoric, and salicylic; the statistics in regard to the manufacture of sulphuric and nitric acids are not included under the classification "Chemicals," but are shown independently in Table II, page 774. Fine chemicals, which consist mainly of gold, silver, and platinum salts, ether, and alkaloids, show an increase in value in 1909 over 1904 of \$991,281, or 51.9 per cent. Sodas still remain an important product, though the value of the output in 1909 was less by \$262,625, or 14.9 per cent, than in 1904.

Phosphates of soda show remarkable gains, the increase in the output of this product from 1904 to 1909 being 16,642,577 pounds, or 259.8 per cent, and the increase in value, \$328,409, or 302.5 per cent. Zinc salts were an important product in 1909, but comparable figures for 1904 are not available. All the other classes of products show a substantial increase both in quantity and in value.

In addition to those mentioned in the above table, chemicals valued at \$1,506,845 were reported in 1909 by 13 establishments assigned to other classifications because they were engaged primarily in the manufacture of other products.

Pottery, terra-cotta, and fire-clay products.-Since the early part of the nineteenth century New Jersev has been prominent in this industry, especially in the manufacture of the finest porcelain, granite, and white ware, owing to the abundance of valuable clays and sands easily available within the state. As early as 1849 there were 30 potteries in the state, which reported products valued in the aggregate at \$230,900. The influence of the successful competition of the fine wares manufactured in Trenton (which is the center of this branch of the industry in the United States) with foreign-made pottery was felt shortly after 1876 and had a decidedly stimulating effect upon the industry. Measured by value of products of the industry as a whole, New Jersey ranked second among the states of the Union in this industry in 1904 and 1909. The total value of products increased \$1,421,897, or 12.1 per cent, during the five-year period. The following table shows the value of the principal products for 1909 and 1904:

PRODUCT.	1909	1904
Total value	\$13, 139, 000	\$11,717,103
Pottery	7,791,136	6,462,624
Red earthenware	36,573	30,634
Stoneware and yellow and Rockingham ware White ware, including C.C. ware, white granite, semi-	66, 293	58,819
porcelain ware, and semivitreous porcelain ware	1,242,361	1,290,768
Sanitary ware, including solid porcelain bath tubs.	1, 082, 398	409,300
laundry tubs, etc.	4,341,040	3,006,406
Porcelain electrical supplies	823,056	328,524
All other pottery products	199,415	1,278,113
Fire brick-	5, 347, 804	5, 254, 479
Thousands	1 35,454	31,057
Value	\$907,276	\$709,396
Architectural terra cotta	1,637,705	1,216,400
T HEDROOHING.	1,299,540	1,266,969
The hor oram	992,606	245,518
All other terra-cotta and fire-clay products	510,737	21,816,196

<sup>1</sup> Includes refractory blocks or tile, boiler and locomotive tile and tank blocks, and other refractory products (9-inch equivalent). <sup>2</sup> Includes drain tile to the value of \$23,537, and 101,431,000 of common, front, enameled, and vitrified paying brick or blocks, valued at \$867,709.

In 1909 and in 1904 New Jersey ranked first among the states in the manufacture of sanitary ware, including porcelain bath tubs, laundry tubs, etc., the

value of which increased \$1,334,634, or 44.4 per cent, during the five-year period. The state also ranked first at the census of 1909 in the production of china (porcelain), bone china, delft, and belleek ware, the value of which increased \$613,038, or 130.6 per cent. The only decrease for any class of products shown separately in the table is one of \$48,407, or 3.8 per cent, in the value of white ware, including C. C. (cream colored) ware, and white granite, semiporcelain, and semivitreous porcelain ware. Among the pottery products the largest relative gain, 150.5 per cent, was in the value of porcelain electrical supplies.

Architectural terra cotta, the principal terra-cotta product in 1909, shows an increase in value over 1904 of \$421,305, or 34.6 per cent, while the value of tile (not drain tile) increased \$747,088, or 304.3 per cent.

Paint and varnish.—The quantity and value of the different products are shown in the following table:

FRODUCT.	1909	1904	1899
Total value	\$12,766,929	\$6, 966, 869	\$6, 213, 92
	00.000 100	01 074 000	81 105 05
'igments White lead, dry:	\$2,939,162	\$1,276,290	\$1,537,070
Pounds	16,958,467	1 6, 725, 261	14, 471, 17
Value. Oxides of lead;	\$580, 567	\$329, 498	\$717,04
Oxides of lead;	4,854,000	(1)	(2)
Pounds	\$329,780	(2) (2)	(2) (2)
Value. Iron_oxides and other earth colors:			
Pounds	4,133,200	1,902,500	500,00
Value.	\$27,605	\$9,223	\$25,00
Other dry colors: Pounds. Value. Pulp colors, sold moist:	30,143,495	8,477,798	5,891,36
Value	30,143,495 \$1,797,277	8,477,798 \$750,569	\$632,47
Pulp colors, sold moist:			
Pounds	3,240,000 \$203,933	5,660,000 \$187,000	5,156,94 \$162,55
value	aµ2()∂j 920	e101,000	@102j0i
Paints in oil	\$3,626,726	\$1,816,198	\$1,132,64
Paints in oil. White lead in oil:		(45)	101
Pounds	3,713,557 \$253,308	(3) (3)	
Posta	\$200,00G		(°).
Pounds	14,858,470	10,703,000 \$512,967	8,672,91
Value	\$891,493	\$512,967	\$552,41
Ready mixed for use:	0 594 440	1 400 561	622, 54
Gallons	2,584,449 \$2,481,925	1,490,561 \$1,303,231	\$580,11
Varnishes and japans Oleoresinous varnishes:	\$5,009,691	\$3,441,758	\$2,873,10
Oleoresmous varnisnes:	2,614,152	2,030,670	1,664,84
Gallons	\$3,325,912	\$2,407,310	\$2,254,3
Spirit varnishes:		•. •	
Gallons	60,376	103,477 \$195,877	67,5- \$124,2
Value. Damar and similar turpentine and	\$84,462	\$190,011	\$124,2
benzine varnishes:			1. Sec. 1.
Gallons	815,905		
Value	\$685,966	(2)	(2)
Gallons	125,670	34, 928	5,3
Value	\$233,322	34,928 \$45,770	\$10,9
Value. Drying and baking japans and lac-			
quers Other varnishes	\$645,685	\$641,204 \$151,591	\$374,2 \$109,3
Uther varnishes	\$34,344	\$101,081	\$109,5
Gallons	31,667	59,477	
Value	\$31,076	\$86,659	(2)
Value. Paste fillers, dry fillers, and putty:	15 945 000	1.060 1.45	(2)
Poinnig	15,345,883 \$98,973	4,863,145	
Value. Water paints dry or in paste:			
	5,851,755	272,189	(2)
Value	\$345,988	\$11,832	(2)
All other products	\$715,313	\$274,329	\$671,1

<sup>1</sup> Including white lead in oil. <sup>2</sup> Not reported separately. <sup>8</sup> Included with white lead, dry.

Oleoresinous varnish was the leading product reported at each of the last three censuses. The totals for this varnish manufactured in New Jersey formed 14.1 per cent of the total quantity and 19.2 per cent of the total value of this class of products for the United States in 1909. Other leading products named in order of relative importance, were paints in oil, ready mixed for use; dry colors; paints in oil, in paste; white lead, dry and in oil; and water paints, dry or in paste; each of which shows a gain in both quantity and value from 1904 to 1909. The most pronounced increase in both quantity and value is shown for water paints, the output in 1909 being over twenty-one times that reported in 1904, and its value more than twenty-nine times as great.

In addition to the various products reported in the preceding table for 1909, 4,225,085 pounds of dry white lead, 370,154 gallons of varnish, and 417,467 gallons of drying japans and dryers were manufactured and consumed in further processes of manufacture within the establishments reporting.

Paint and varnish to the value of \$819,194 were also manufactured by 11 establishments primarily engaged in other industries. The principal items making up this product were 5,674,890 pounds of dry colors, valued at \$556,518; 221,338 gallons of paints in oil, ready for use, valued at \$108,648; 2,119,220 pounds of paints in oil, in paste, valued at \$105,961; and 30,568 gallons of varnish, valued at \$29,565.

Among the principal materials used in the manufacture of paint and varnish in the state in 1909 were 12,151 tons of pig lead, 56,128 gallons of grain alcohol, and 28,794 gallons of wood alcohol.

Printing and publishing.—The newspaper and periodical branch of the printing and publishing industry in New Jersey for the five-year period 1904–1909 shows a decrease in the number of publications and the aggregate circulation.

The following tabular statement shows the number of different newspapers and periodicals published and the aggregate circulation per issue for the census years 1909 and 1904:

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.		AGGREGATE CIRCULATION PER ISSUE.	
	1909	1904	1909	1904
Total. Daily Sunday. Semiweakly. Weakly. Monthly. All other classes.	247	878 55 7 4 270 37 5	1,071,456 437,144 70,670 8,774 383,281 156,862 14,775	<b>1,105,723</b> 303,930 73,118 4,575 381,246 336,129 6,725

#### <sup>1</sup> Includes one triweekly.

The total number of all publications decreased 7.9 per cent from 1904 to 1909, and the aggregate circulation per issue decreased 3.1 per cent. The publications included under the head of "All other classes" show the only increase in number, but all except the Sunday publications and the monthlies show an increase in circulation. While there was a decrease of one in the number of dailies, the aggregate circulation per issue increased 133,214, or 43.8 per cent.

In 1909, 18 of the 54 dailies, with an aggregate circulation of 109,659, were issued as morning papers. Of the 348 publications reported in 1909, 37 were

printed in foreign languages. These included 3 dailies and 1 Sunday paper, all of which were 'in German; 32 weeklies, of which 11 were in German, 11 in Italian, 3 in Dutch, 3 in Polish, 2 in Hungarian, 1 in German and English, and 1 in Italian and English, and 1 monthly in Hungarian. These publications reported an aggregate circulation per issue of 83,507, representing 7.8 per cent of the total for the state.

Shipbuilding, including boat building.—This industry includes the building of vessels of steel and of wood, as well as small craft of all kinds, and the repair of such vessels. The number and the tonnage of all vessels launched in 1909, 1904, and 1899 are shown, by classes, in the following table:

	1909		1904		1899	
CLASS.	Num- ber.	Gross tonnage.	Num- ber.	Gross tonnage.	Num- ber.	Gross tonnage,
Vessels, 5 gross tons and over launched during the year. Steel Steam Unrigged Wooden Steam Motor Sail Unrigged	90 24 9 15 66 1 23 12 30	53, 261 42, 949 27, 280 15, 669 10, 312 115 348 251 9, 598	92 17 13 4 75 12 6 26 31	$\begin{array}{r} 42,091\\ 23,450\\ 21,083\\ 2,362\\ 18,641\\ 477\\ 41\\ 880\\ 17,243\end{array}$	165 11 10 154 10 80 64	57, 166 3, 928 3, 426 500 53, 240 581 357 52, 302
Power boats, less than 5 gross tons	338		237		82	

The above table shows a decrease of 3,905 gross tons, or 6.8 per cent, in the total tonnage of all vessels of 5 gross tons and over from 1899 to 1909.

It is interesting to note the growth in the construction of steel vessels and the decline in the building of wooden vessels during this period. During the decade the gross tonnage of the steel vessels launched increased 39,023 tons, or nearly one thousand per cent, while that of wooden vessels decreased 42,928 tons, or 80.6 per cent. Of the total tonnage of vessels of 5 tons and over launched in the state in 1909, the tonnage of steel vessels formed 80.6 per cent and that of wooden vessels 19.4 per cent, while in 1899 these proportions were 6.9 per cent and 93.1 per cent, respectively.

Of the 338 power boats of less than 5 tons gross register reported in 1909, 319 were gasoline, 11 electric, and 8 operated by other kinds of power, while of the 237 such craft reported in 1904, 207 were gasoline, 29 electric, and 1 operated by other kind of power. In addition to the vessels shown in the table, the industry includes the construction of sailboats, rowboats, canoes, scows, etc., of less than 5 tons gross register; these, together with the small power boats mentioned, represented a total value of \$394,718 in 1909 and of \$279,947 in 1904.

Glass.—The manufacture of glass is still an important industry in New Jersey, although in relative position in the industry among the states, when measured by value of products reported, the state dropped from third place in 1899 to fifth in 1909. The value of products increased \$1,356,373, or 26.6 per cent, from 1899 to 1904 and \$510,893, or 7.9 per cent, during the following five-year period.

The next table shows the quantity of the different materials used and the value of the principal classes of products reported at the censuses of 1909, 1904, and 1899:

MATERIAL OR PRODUCT. (	1909	1904	1809
Principal materials: Glass sand, tons. Soda ash, tons. Salt cake, tons. Nitrate of soda, tons. Limestone, tons. Lime, bushels. Arsonile, pounds. Carbon, tons. Manganese, pounds. Litnarge and red lead, pounds. Protash and pearlash, pounds. Grinding sand, tons. Products, total value. Pressed and blown glass. Botties, jars, etc. All other products.	85,705	53, 101 20,825 338 816 5, 567 145,010 119,460 119,460 119,460 129 174,798 33,059 28,382 674 \$6,450,105 \$181,550 \$6,006,714 \$201,922	$\begin{array}{c} \$1,260\\ 20,630\\ 697\\ 1,314\\ \$,577\\ 248,654\\ 102,490\\ 20\\ 143,405\\ 72,049\\ 60,270\\ 433\\ \$5,093,822\\ \$21,300\\ \$4,452,219\\ \$022,303\\ \end{array}$

Pressed and blown glass shows an increase in value from 1904 to 1909 of \$838,277, or 461.7 per cent, while the output of bottles and jars decreased in value \$182,109, or 3 per cent, during the same period.

In 1909 one establishment manufactured building glass; 3, pressed and blown glass; and 19, bottles, jars, etc. Of the establishments which manufactured bottles and jars, 16 made prescription vials and druggists' wares to some extent; 12 made beer, soda, and mineral-water bottles; and 11 made flasks and wares for liquors and patent and proprietary remedies, New Jersey holding the leading position in the production of the first two of these classes of glassware and fourth place in the last-named class.

The output of prescription vials and druggists' wares in 1909 amounted to 1,008,682 gross; that of beer, soda, and mineral-water bottles, to 258,574 gross; and that of liquor bottles and flasks, to 248,825 gross, these figures representing increases of 31.5 per cent, 11.5 per cent, and 10.6 per cent, respectively, over the corresponding figures for 1904.

Laundries.—Statistics for steam laundries are not included in the general tables or in the totals for manufacturing industries. The following statement summarizes the statistics for 1909:

Number of establishments Persons engaged in the industry	112 <b>3,</b> 334
Proprietors and firm members	101
Salaried employees	249
Wage earners (average number)	2,984
Primary horsepower	3, 917
Capital	\$2, 137, 243
Capital Expenses	2, 187, 794
Expenses	2, 187, 794 1, 395, 335
Expenses Services Materials	2, 187, 794 1, 395, 335 439, 861
Expenses	2, 187, 794 1, 395, 335 439, 861 352, 598

There were 112 steam laundries in the state of New Jersey in 1909, of which there were 17 each in Jersey City and Newark; 8 in Camden; 6 in Paterson; 5 in Trenton; 4 each in Passiac and Plainfield; and 3 each in Asbury Park, Atlantic City, East Orange, Elizabeth, Hoboken, and Orange. No other place having more than 10,000 inhabitants reported as many as 3 laundries.

Sixty-two establishments were operated by individuals, 18 by firms, and 32 by incorporated companies. Twenty-one establishments had receipts for the year's business of less than \$5,000; 47, receipts of \$5,000 but less than \$20,000; 40, receipts of \$20,000 but less than \$100,000; and 4, receipts of \$100,000 but less than \$1,000,000.

The number of wage earners employed each month and the percentage which this number represented of the greatest number employed in anymonth were as follows:

	WAGE EARNERS.			WAGE EARNERS.	
MONTH.	Number.	Per cent of maxi- mum.	MONTH.	Number.	Per cent of maxi- mum.
January February March April May June	2,821 2,841 2,838	85.5 86.1 86.7 86.6 87.9 93.2	July August Septamber October November December	$3,276 \\ 3,145 \\ 2,994$	97.5 100.0 96.0 91.4 90.6 91.5

The different kinds of primary power, the number of engines or motors, and the horsepower used in 1909 are shown in the following tabular statement:

KIND.	Number of engines or motors.	Horse- power.
Primary power, total Owned: Steam. Gas. Water wheel. Rented: Electric. Other.	102 2 1 14	3,917 3,794 29 5 63 26

The kind and amount of fuel used are shown below:

	KIND.		Unit.	Quantity.
Anthracite coal Bituminous coal		 	Tons.	4,873
Wood Oil Gas		 	Barrels	1,921

Custom sawmills and gristmills.—Statistics for custom sawmills and gristmills are not included in the general tables or in the totals for manufacturing industries, but are presented in the following summary:

	Custom sawmills.	Custom gristmills,
Number of establishments. Persons engaged in the industry. Proprietors and firm members. Solaried employees	13	39 65 41 1
Salaried employees. Wage earners (average number). Primary horsepower.	6 213	23 1,232
Capital. Expenses. Services. Materials. Miscellaneous. Value of products.	3,178 2,065 440 673	\$134, 226 258, 643 9, 387 1 243, 662 5, 594 1 287, 050

<sup>1</sup>Includes estimate of all grain ground. A similar estimate for the value of lumber sawed by custom sawmills is impracticable.

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899.

THE STATE-ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

	1	]	PERCON	S ENOLO	ED DT T	1)7700000	]	1	1	1		1	
INDUSTRY.	Census	Num- ber of estab- lish- ments.		Pro- prietor and firm mem-		Wage earners (average num-	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture.
	-	<u> </u>		bers.		ber).			F	Expressed	in thousan	ds.	L
STATE—All industries	. 1909 1904 1899	8,817 7,010 6,415	371, 265 296, 262	8, 204 6, 730	36, 838 23, 196 15, 361	326, 223 266, 336 213, 975	612, 293 436, 274 322, 503	\$977, 172 715, 060 477, 302	\$48,336 28,957 19,058	\$169,710 128,169 95,165	\$720,033 470,449 334,726	\$1, 145, 529 774, 369 553, 006	\$425, 496 303, 920 218, 280
Agricultural implements	- 1909 1904 1899	10 10 11	294 250 168	9 9 13	61 37 8	224 204 147	724 403	771	77 40	112 90	327 118	755	1
Artificial stone	1909 1904 1999	97 8	642 68	100	54 11	147 488 51	280 436 85	250 913 81	11 39 12	60 250 33	116 294 31	392 250 859 94	428 274 134 565 03
Belting and hose, woven and rubber	1909 1904 1899	12 15 7	2, 583 2, 704 853	3	288 246 77	2, 295 2, 455 776	8, 748 8, 211	9,385 9,444 2,209	518 536 174	$1,150 \\ 1,209 \\ 398$	5,971 6,808 1,870	9, 793 11, 068 2, 800	3,822 4,260
Boots and shoes, including cut stock and findings.	1909 1904 1899	53 65 105	4,602 4,838 5,089	46 61 108	324 253 350	4, 232 4, 524 4, 631	1,500 1,598	4, 108 3, 318 3, 359	448 292 386	$1,923 \\ 1,865 \\ 1,806$	4,727 4,197 4,457	2,800 8,042 7,588 7,519	930 3, 315 3, 391 3, 062
Boxes, fancy and paper	1909 1904 1899	46 36 30	2,321 1,435 1,158	36 41 85	143 60 41	2,142 1,334 1,080	1,224 500	1,932 732 517	168 54 51	704 397 275	1,186 553 398	2,675 1,318 897	3,002 1,489 765 499
Brass and bronze products	1909 1904 1899	<sup>66</sup> <sup>2</sup> 51 45	1,488 1,246	61 53	162 111 63	1,265 1,082 1,088	4, 431 2, 682	3, 104 2, 713 2, 422	250 150 66	719 570 470	8,355 2,354 2,472	5, 131 3, 754 8, 320	1,776 1,400 848
Bread and other bakery products	1909 1904 1899	1,217 1,000 785	6,966 5,237 3,828	1,498 1,074 831	532 315 296	4,936 3,848 2,701	2,184 1,127	8,100 5,406 3,831	403 199 183	3, 309 2, 312 1, 412	12, 195 8, 204 4, 562	20,086 13,502 8,183	7, 891 5, 298 3, 621
Brick and tile.	1909 1904 1899	76 63 76	3, 619 2, 090 2, 525	64 73 76	150 70 79	8, 405 1, 947 2, 370	11, 419 5, 971 4, 798	7,355 3,040 3,607	205 68 83	1, 625 784 836	844 337 320	4,073 1,830 1,846	3,229 1,493 1,526
Brooms and brushes	1909 1904 1899	33 34 82	1,051 459 447	28 40 40	108 29 42	915 390 365	723 180	1, 470 884 472	141 23 37	363 158 137	951 308 399	1,905 899 803	954 391
Buttons	1909 1904 1899	64 46 34	2,433 1,496 1,265	69 45 43	103 82 53	2, 261 1, 369 1, 169	1,232 729 441	1,506 842 510	149 93 50	913 550 410	1,183 634	2,750 1,592	404 1,567 958
Canning and preserving	1909 1904 1899	84 376 293	2,051 1,878	85 94	148 84 140	1,818 1,700 2,403	2,698 2,076	2,765 1,948 2,275	118 52 113	546 399 561	399 2, 208 1, 701 2, 271	1, 026 3, 664 2, 693 3, 521	627 1,456 992
Carpets and rugs, other than rag	1909 1904 1899	9 8 13	939 1,203 1,221	6 3 3	49 47 47	884 1,153 1,171	970 1,268 1,051	2,511 2,098 1,487	88 90 73	375 418 379	2, 271 898 979 868	1,945 1,749	1,250 1,047 770
Carriages and wagons and materials	1909 1904 1899	256 213 258	1,980 2,338	301 247	78 105 112	1,601 1,986 2,117	1,645 1,631	2,973 2,998 3,250	83 116 109	1,019 1,116 1,081	1,280 1,349 1,612	1,523 3,250 3,460 3,916	655 1,970 2,111 2,304
Cars and general shop construction and repairs by steam-railroad companies.	1909 1904 1899	23 21 18	7,639 5,911 4,773		1,035 355 179	6,604 5,556 4,594	7, 640 5, 033 2, 068	5,452 3,510 2,820	613 308 137	4,175 3,220 2,400	<sup>°°</sup> 4, 634 3, 234 2, 302	9, 819 6, 899 5, 034	5,185 3,665 2,782
Cars and general shop construction and repairs by street-railroad companies.	1909 1904 1899	15 4 8	878 376 238		52 20 9	826 356 229	2,276 445	820 669 369	53 26 7	471 225 146	614 470 188	1, 158 747 381	544 277 193
Cement	1909 1904 11899	3 6	1,616 1,607		171 171	1,445 1,436	16,393 12,255	10,881 7,128	222 215	845 697	2,053 1,863	3, 725 2, 925	1,672 1,062
Chemicals	1909 1904 1899	50 47 61	5,937 4,048 3,488	4 26 38	887 425 402	5,046 3,597 3,048	13,880 9,082 8,147	24,355 16,294 17,285	1,594 678 577	2,895 1,853 1,575	12, 257 6, 630 6, 995	22, 824 13, 024 12, 207	10,567 6,394 5,212
Clocks and watches, including cases and materials.	1909 1904 1899	9 9 11	2,260 2,496 1,268	1 3 5	130 140 56	2,129 2,353 1,207	1,414 1,186	6,795 5,186 2,467	225 203 94	1,120 1,302 597	1,729 1,583 915	3, 848 3, 871 1, 914	2,119 2,288 999
Clothing, men's, including shirts	1909 1904 1899	• 150 • 125 137	7,680 6,180	199 180	487 336 142	6, 994 5, 664 5, 787	1,351 923	5,314 2,431 2,012	435 207 145	2,935 2,127 1,947	5,076 3,417 2,459	9,865 7,428 5,754	4, 789 4, 011 3, 295
Clothing, women's	1909 1904 1899	99 70 57	4, 691 4, 192 2, 606	112 83 73	363 209 144	4,216 3,900 2,389	959 621 427	2,882 1,599 1,299	326 180 125	1,355 1,045 644	2,855 2,174 1,156	5,927 4,219 2,561	3,072 2,045 1,405
Coffins, burial cases, and undertakers' goods.	1909 1904 1899	7 3 4	261 248 221	4 3 4	45 27 13	212 218 204	422 328	515 363 304	56 29 16	122 112 123	265 226 172	521 453 394	256 227 222
Confectionery	1909 1904 1899	71 38 14	1, 558 894	70 45	225 75 42	1, 263 774 134	1,181 444	2,830 1,130 161	189 66 23	456 273 46	2, 433 988 184	4, 116 2, 043 355	1,683 1,055 171
Cooperage and wooden goods, not else- where specified.	1909 1904 1899 Not repor	43 85 24	1,162 415	42 33	74 18 18	1,046 364 315	1,613 458	2,773 453 413	102 17 28	522 176 150	2, 328 427 349	3,230 801 707	902 374 358

Not reported separately.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSONS	ENGAGE	d in Ind	USTRY,						<u></u>	
, INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ-	Wage earners (average	Primary horso- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture,
				mem- bers.	ees,	num- ber).	-		Ţ	xpressed	in thousand	ls,	
STATE-Continued.					•								
Copper, tin, and sheet-iron products	1909 1904 1899	175 121 64	5, 575 - 4, 485	$\begin{smallmatrix}&162\\&105\\\\&&&\\\\&&&\\\\&&&\\\\&&&\\\\&&&\\\\&&&\\\\&&&$	411 300 127	$5,002 \\ 4,080 \\ 2,136$	3,679 2,771	\$8,514 5,148 2,397	\$576 415 130	\$2,780 1,931 816	\$6,172 2,898 1,209	\$11,114 6,267 2,691	\$4,942 3,369 1,482
Cordage and twine and jute and linen goods.	1909 1904 1899	$\begin{smallmatrix}&12\\1&6\\&6\end{smallmatrix}$	3,174 2,602	1	148 67 57	3,025 2,535 2,127	6,442 4,310	6, 598 4, 076 3, 413	192 100 81	954 858 625	3,896 2,060 1,760	5, 527 3, 371 2, 956	1,631 1,311 1,196
Cork, cutting	1909 1904 1899	10 6 8	466 241 178	2 3 7	46 32 14	418 206 157	855 320	686 367 103	54 27 11	180 71 46	410 191 143	791 380 234	381 189 91
Corsets	1909 1904 1899	11 10 9	2,013 1,556	3 4	165 93 63	1,845 1,459 1,332	480 404	$1,857 \\ 1,259 \\ 546$	235 84 62	628 438 424	1,305 682 579	3, 336 2, 093 1, 304	$2,031 \\ 1,411 \\ 725$
Cotton goods, including cotton small wares.	1909 1904 1899	26 2 17 25	6, 894 5, 501 5, 849	13 4 11	243 135 157	6,638 5,362 5,681	17,288 15,518 ,14,317	17,824 14,290 14,399	302 239 269	2,577 2,022 1,931	8, 565 5, 143 3, 158	13, 729 8, 579 -6, 931	5,164 3,436 <i>3,</i> 773
Cutlery and tools, not elsewhere speci- fied.	1909 1904 1899	70 57 44	2,482 1,854	66 52	208 135 162	2,208 1,667 1,799	2, 540 2, 080	3,003 2,242 1,762	276 174 191	1,069 847 855	849 861 835	2, 735 2, 371 2, 307	$1,886 \\ 1,510 \\ 1,472$
Dairymen's, poulterers', and apiarists' supplies.	1909 1904 \$ 1899	74	425 55	5 1	124 8	296 46	313 80	1,660 141	111 5	181 20	230 41	954 88	724 47
Dyeing and finishing textiles	1909 1904 1899	67 57 59	10, 722 8, 180 7, 474	32 31 47	561 552 353	10, 129 7, 597 7, 074	19,989 12,835 12,335	23, 315 13, 069 11, 601	1,033 847 615	5,016 3,466 3,003	6,353 5,052 4,514	15,796 11,980 10,489	9,443 6,928 5,975
Electrical machinery, apparatus, and supplies.	1909 1904 1899	69 42 36	13,024 7,291	22 11	$1,903 \\ 1,012 \\ 623$	11,099 6,268 3,916	11,326 6,547	30, 229 18, 458 7, 909	2,234 1,003 667	5,615 2,894 1,903	14,426 6,873 3,539	28,365 13,803 7,533	13,939 6,930 3,994
Fancy articles, not elsewhere specified	1909 1904 1899	31 4 21 37	1,280 1,443 1,950	38 20 42	130 240 227	1,112 1,183 1,681	730 693	$1,581 \\ 1,543 \\ 1,428$	167 261 237	455 506 558	828 863 1,124	1,841 2,205 2,391	1,013 1,342 1,267
Fertilizers	1909 1904 1899	22 25 28	1,384 1,253 1,147	17 23 30	159 91 155	1,208 1,139 962	2,459 3,555 2,678	7, 398 6, 291 5, 690	255 151 230	541 637 441	5,685 3,928 3,146	7,672 5,652 4,291	1,987 1,724 1,145
Flour-mill and gristmill products	1909 1904 1899	238 182 166	790 723	255 221	82 48 58	453 454 374	10,768 9,612	3, 227 2, 907 2, 362	58 37 39	225 211 185	4,561 4,522 4,447	5,538 5,409 5,327	977 947 880
Foundry and machine-shop products	1909 1904 1809	591 4 502 452	32,076 29,111	436 416	3,825 2,657 1,526	27,815 26,038 20,187	41, 191 31, 012	87, 023 64, 330 34, 421	5,249 3,407 2,024	16,922 14,765 10,460	29,940 20,810 17,059	65,398 50,553 37,042	35,458 29,743 19,983
Furniture and refrigerators	1909 1904 1899	49 37 31	1,949 971 646	43 42 31	151 68 68	1,755 861 547	2,340 1,032	2,685 1,295 681	196 101 45	969 480 284	1,697 600 348	3,614 1, <i>55</i> 7 918	1,917 957 570
Gas and electric fixtures and lamps and reflectors.	1909 1904 1899	28 21 26	2, 319 1, 380	16 14	419 125 100	1,884 1,241 1,339	1,124 700	5,542 10,383 2,224	378 152 167	824 525 495	3,350 2,027 949	5,771 3,509 2,569	2,421 1,482 1,620
Gas, illuminating and heating	1	47 38 34	2, 804 2, 153		887 786 347	1,917 1,367 1,320	6,717 2,835 1,479	15,667 87,596 38,872	630 536 272	853 728 684	2,855 1,524 786	9,837 6,372 3,768	6, 982 4, 848 2, 982
Glass		23 22 26	6, 159 5, 881 5, 718	6 5 18	502 369 317	5,651 5,507 5,383	3,081 2,661 1,756	7,415 6,304 5,398	517	3,340 3,145 2,463	1,999 1,856 1,489	6,961 6,450 5,094	4,962 4,594 3,605
Gold and silver, reducing and refining, not from the ore.	1909 1904	8 11 12	161 146 80	4 9 16	45 35	112 102 40	406 286	1,034 786 527	63 50	86 72 26	3,911 4,835 2,092		525 447 160
Hats, fur-felt	1909 1904 1899	58 63 59	5,104 6,078 4,965	63 81 66	384 202	4,657 5,705 4,745	5,046 5,016 3,709	5,335 4,331	478 318	2,969 3,276 2,487	4,112 4,227 3,637		4,713 5,313 3,574
Hoslery and knit goods		37 28 25	2,658 1,840 1,938	34 26 15	118 56	2,506 1,758 1,861	1,477 1,077 913	3,489 1,953 1,993	210	903 539	1,826 1,382 1,011		1,984 1,167 771
Ice, manufactured		59 30 20	581 338 247	13 27 18 12	1	456 268 183	10,121 6,677 3,995	3,648 2,749 1,653		317 159	380 172	1,497 648 392	1,111 476 284
fron and steel, steel works and rolling mills.	( · · · · · · · · · · · · · · · · · · ·	16 16 16	5,228 8,901 7,982	12		4,671 8,334 7,699	29,699 31,626 29,579	28,212 46,281	682	2,823 4,088	6, 635 12, 390	12,014 20,006	5,379 7,676
Jewelry	1909 1904 1899	150 113 99	4,945 3,550	108 176	769	4,008	1,231 900		{	2, 537 1, 839			

Excluding statistics for three establishments, to avoid disclosure of individual operations.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Not reported separately.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.

## TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

## THE STATE-ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES-Continued.

<u> </u>			PERSONS	ENGAGI	D IN INI	USTRY.				1			
INDUSTRY.	Census.	Num- ber of estab- lish-		Pro- prietors and		Wage earners	Primary horse-	Capital.	Salaries.	Wages,	Cost of materials.	Value of products.	Value added by manu- facture.
an a		ments.	Total.	firm mem- bers.	employ- ees.	(average num- ber).	power.		E	xpressed	in thousan	ds.	
STATE-Continued.					i	•							
Leather goods	1909 1904 1899	99 75 52	2, 133 2, 286	96 80	224 228 113	1,813 1,978 2,170	990 828	\$2,755 2,570 1,739	\$332 316 152	\$920 896 893	\$2,140 2,139 1,752	\$4,005 4,212 3,490	\$1,865 2,073 1,738
Leather, tanned, curried, and finished	1909 1904 1899	86 73 77	6, 040 5, 358 4, 526	71 63 72	409 342 276	5,500 4,953 4,178	9, 243 7, 495 4, 531	18,847 12,492 9,906	772 501 413	3, 473 2, 793 2, 057	20,198 15,272 9,533	28,431 21,495 13,747	8,233 6,223
Liquors, malt	1909 1904 1899	83 37 44	2,634 2,443	3 8	506 477 350	2,125 1,958 1,723	$14,082 \\ 10,795 \\ 8,566$	40, 535 30, 336 26, 330	$1,202 \\ 1,031 \\ 819$	1,836 1,681 1,361	4,881 3,861 2,782	20,184 17,446 14,386	4,214 15,303 13,585
Lumber and timber products	1909 1904 1899	410 242 266	5,745 4,129	438 265	450 272 213	4,857 3,592 3,256	15, 760 10, 496	9,563 5,875 5,161	469 287 222	2,631 1,850 1,540	8,010 4,491 3,686	13,511 7,998	11,604 5,501 3,507
Marble and stone work	1909 1904 1899	131 164 79	$1,752 \\ 1,232$	143 63	130 96 87	1,479 1,073 1,284	2, 756 1, 714	8,117 1,737 1,874	196 137 96	1,329 810 735	1,378 865 916	6,997 3,901 2,440 2,312	3,311 2,523 1,575
Mattresses and spring beds	1909 1904 1899	23 22 17	600 313	26 23	78 48 18	496 242 190	288 152	811 389 306	93 56 27	236 115 69	808 445 250	2, 512 1, 323 728 435	1,396 515 283 185
Millinery and lace goods	1909 1904 1899	179 55 17	4,589 1,471 177	198 58 19	271 68 3	4,120 1,345 155	1, 380 417	4,595 1,187 103	321 72 2	1,688 480 65	3, 185 873 58	433 6,895 1,932 172	3,710 1,059
Musical instruments and materials, not specified.	1909 1904 1899	7 7 13	435 527 784	5 7 10	45 55 34	385 405 740	335 348 382	1,033 892 1,110	54 62 39	181 251 365	208 318 365	635 863 880	114 427 545
Musical instruments, pianos and organs and materials.	1909 1904 1899	18 214 15	1,500 1,181 850	6 6 16	101 65 71	1,393 1,110 768	1, 121 1, 400 745	2,020 1,522 1,407	129 77 44	721 560 360	1,076 657 563	2,229 1,477	515 1,153 820
Oil, not elsewhere specified	1909 1904 1899	23 12 11	765 291 245	3 3 4	343 122 104	419 160 137	1, 824 616	4,762 1,721 1,122	474 185 160	250 114 75	6,196 3,078	1,332 7,851 3,803	769 1,655 725
Oilcloth and linoleum	1909 1904 1899	10 10 86	2,264 1,551 913	6 4 2	135 83 48	2, 123 1, 464 863	7, 819 4, 994	8, 110 5, 151 2, 553	193 112 75	1,187 701 465	1,851 6,638 3,666	2,342 10,143 5,444	491 3,505 1,778 1,110
Paint and varnish	1909 1904 1899	63 42 51	2,143 1,404 1,260	41 19 31	609 425 382	1,493 960 847	5, 924 2, 799 2, 333	11,372 5,837 6,457	1,100 630 551	844 527 476	1,735 8,226 4,013	2,845 12,767 6,967 6,214	4,541 2,954 2,388
Paper and wood pulp	1909 1904 1899	37 38 34	2,445 1,773 1,308	11 15 25	211 129 93	2,223 1,629 1,190	22, 996 17, 336 12, 978	10, 742 7, 123 3, 671	456 233 163	1, 181 787	3,826 4,769 3,022	7,554 5,043 3,195	2,385 2,785 2,021 1,480
Paper goods, not elsewhere specified	1909 1904 1899	19 13 15	659 324 359	7 7 10	89 38 43	563 279 306	2, 132 665	2,232 1,051 984	103 108 50 55	553 276 125 131	1,715 1,697 887 745	2,640 1,225 1,168	943 338 423
Patent medicines and compounds and druggists' preparations.	1909 1904 1899	111 78 38	1,424 1,228	77 55	342 242 154	1,005 931 316	1,478 1,209	3,743 2,665 1,180	488 299 178	432 330 128	2,089 1,315 544	5,410 3,710 1,574	3, 321 2, 395
Pottery, terra-cotta, and fire-clay prod- ucts.	1909 1904 1899	88 90 81	10, 542 10, 177 8, 648	38 42 67	689 648 464	9, 815 9, 487 8, 117	11, 817 13, 463 8, 980	22, 349 21, 047 15, 325	1,036 843 634	- 5,661 4,722 3,841	3,551 2,956 2,384	13, 139 11, 717 8, 941	9,588
Printing and publishing	1909 1904 1899	684 588 480	7,364 6,001 4,881	647 571 487	1,266 1,063 540	5,451 4,367 3,854	5,636 4,171	13, 816 8, 732 6, 386	1,309 1,006	$3,624 \\ 2,470$	3,472 2,285 1,673	12,333 8,627 6,104	8,861 6,342
Rubber goods, not elsewhere specified	1909 1904 1899	36 24 37	4,860 1,919 2,870	-107 6 7	598 185 254	4, 255 1, 728 2, 609	12,906 5,609	15, 766 3, 788 6, 078	515 772 221 378	1,923 2,300 846 1,151	13,032 2,959 5,696	19,543 4,836 8,458	6,511 1,877 2,762
Shipbuilding, including boat building	1909 1904 1899	97 78 68	5,533 5,258 3,058	97 79 61	567 316 123	2,009 4,869 4,863 2,874	9,904 7,761 2,839	19,176 10,891	603 488	1, 151 3, 300 3, 033 1, 792	4,249 3,462 1,950	8,841 7,735	4,592 4,273 2,860
Silk and silk goods, including throwsters.	1909 1904 1899	348 239 180	32,365 26,986 25,313	306 227	$1,774 \\ 1,278$	30,285 25,481	22,376 16,903	3,686 43,615 33,645 29,286	158 2,317 1,556	13,917 9,893	1,950 38,265 22,339 21,631	4,810 65,430 42,863 39,967	32, 165
Silverware and plated ware	1909 1904 1899	26 1 22	1,564 1,601	197 21 27	959 247 171	24,157 1,296 1,403	15,964 1,211 1,570	2,741 2,729	1, 145 270 175	9, 233 829 787	1,183 1,137	3,035 3,104	1,902 1,967 1,291
Slaughtering and meat packing	1909 1904	814 84 48	1,054 2,420 918	16 93 68	108 510 105	930 1,817 745	3, 610 949	1,759 8,182 2,593	113 633 117	523 1, 286 488	854 33,740 16,071	2, 145 37, 583 17, 754 14, 215	1,281 3,843 1,683 1,250
Smelting and refining, copper	1899 1909 1904 1899	50 4 5 7	760 2,564 1,345 1,783	69 2	100 242 102 74	591 2,322 1,243 1,707	22, 320 5, 295 8, 320	1,676 29,078 7,893 6,944	94 366 129 139	352 1,335 645 915	12,965 118,936 58,812	l.	

Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Excluding statistics for three establishments, to avoid disclosure of individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

THE STATE-ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES-Continued

	rate					ANDS		D INDUS	FRIES-	Continue	d	· .	
			PERSONS	ENGAGI	ED IN INI	USTRY.							Value
INDUSTRY.	Censua.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ- ees.	Wage earners (average num-	Primary horse- power.	Capital,	Salarics.	Wages.	Cost of materials.	Value of products.	added by manu- facture.
				mem- bers.		ber).			E	xpressed	in thousand	ls.	
STATE-Continued.													
Smelting and refining, not from the ore.	1909 1904 1899	14 13 8	$1,194 \\ 1,104 \\ 219$	10 7 8	127 104 10	1,057 993 201	5,931 13,637	\$6,681 5,469 2,162	\$188 142 19	\$606 587 77	\$7,227 4,842 268	<b>\$9,598</b> 7,034 469	\$2,371 2,192 201
Soap	1909 1904 1 1899	21 14 	2, 301 775	10 8	692 148	1, 599 619	2, 761 625	8,306 1,719	881 120	796 287	7,084 2,043	13,674 4,018	6,590 1,975
Stoves and furnaces, including gas and oil stoves.	1909 1904 1 1899	8 24	893 720	2 1	195 54	696 665	1,146 455	1,838 958	253 131	607 565	574 440	$1,688 \\ 1,518$	1,114 1,078
Surgical appliances and artificial limbs	1909 1904 1899	11 11 10	1, 784 952 484	9 8 10	363 98 57	1,412 840 417	3, 188 1, 617	3, 902 2, 327 869	455 102 88	542 283 134	1,249 1,104 572	2,991 2,108 1,200	$1,742 \\ 1,004 \\ 628$
Tobacco manufactures	1909 1904 1899	462 554 498	$10,610 \\ 7,356 \\ 4,346$	482 570 509	662 278 242	9,466 6,508 3,595	3,302 1,797 2,213	21, 164 20, 522 8, 003	829 281 228	3, 156 2, 041 1, 232	10, 796 3, 808 3, 442	24, 177 10, 988 10, 436	13,381 7,180 6,994
Typewriters and supplies	1909 1904 1899	. 8 . 5	363 166 745	2 5	91 32 91	272 132 649	512 228 365	959 318 1,015	90 27 60	202 80 340	278 125 232	740 315 745	462 190 513
Wall paper	1909 1904 1899	8 4 5	894 701 675	6 2 6	106 84 60	782 615 609	1,442 590	3,326 2,401 1,428	153 128 100	369 299 276	1,500 1,032 1,004	2,872 2,094 1,508	1,372 1,062 504
Wall plaster	1909 1904 1 1899	5 3	203 57	2	23 11	178 46	977 200	654 114	42 16	109 26	332 109	613 204	281 95
Wire	1909 1904 1899	7 4 3	6,255 678 192	 1	609 59 15	5,646 619 176	17, 436 4, 150	21, 829 2, 047 1, 105	624 86 29	2, 767 316 122	22, 298 9, 889 2, 899	28,858 11,104 3,375	6,560 1,215 476
Woolen, worsted, and felt goods, and wool hats.	1909 1904 1899	33 35 \$28	13,119 9,301 7,235	28 38 14	439 280 163	12,652 8,983 7,058	20,254 14,008 11,326	36, 391 18, 979 17, 437	885 465 303	4,964 2,951 2,194	21,033 10,628 7,626	83,939 16,394 12,270	12,906 5,768 4,644
All other industries	1909 1904 1899	1,321 1,068 1,095	54,445 47,594	1, 167 1, 013	6,091 4,159 2,550	47,187 42,422 27,069	113, 176 82, 099	205, 722 163, 140 95, 280	8,401 5,513 3,076	25, 487 21, 382 12, 940	178, 837 145, 337 104, 116	250, 551 204, 140 137, 304	71, 714 58, 803 33, 188
CITIES OF 50,000	INHAI	BITANT	S OR MO	DRE-A	LL IND	USTRIE	S COMB	INED ANI	D SELE	CTED II	NDUSTRI	es.	
BAYONNE—All industries	1909 1904 1899	97 58 63	8,790 7,851	84 48	1,187 746 248	7,519 7,057 4,670	28,094	\$62,281 50,297 26,251	\$1,762 ,1,087 413	\$4,775 4,277 2,623	\$58,983 46,984 83,794	\$78,641 60,634	\$14,708 13,650
Bread and other bakery products	1909 1904 1899	17 13 15	106 86 65	18 13 16	13	75 73 46	29	159 72 39	5 1	58 41 23	207 156 82	<b>38,601</b> 340 238 145	4,807 133 82 63
Foundry and machine-shop products	1909 1904 1899	2 4 3	$1,234 \\ 1,756$	10 2	308 188 3	916 1,566 17	1,722	10, 649 6, 429 26	452 245 2	636 1,012 9	1,642 1,919 7	4,155 4,371 24	2,513 2,452 17
All other industries	1909 1904 1899	73 41 45	7,450 6,009	56 33	866 558 242	$     \begin{array}{r}       6,528 \\       5,418 \\       4,607     \end{array} $	26,343	51, 473 43, 796 26, 186	1,305 792 410	4,081 8,224 2,591	57,084 44,909 33,705	69,146 56,025 38,432	12,062 11,116 4,727
CAMDEN—All industries	1909 1904 1899	365 298 322	18,709 14,127	315 265	1,867 1,201 658	16,527 12,661 7,742	29,056	\$49, 158 31, 992 15, 593	\$2,406 1,496 682	\$8,607 6,098 3,217	\$27,384 20,423 10,442	\$49,138 33,587 17,970	\$21,754 13,164 7,528
Boots and shoes, including cut stock and findings.	1909 1904 1899	10 15 23	456 520 478	13 20 20	21 26 29	422 474 429	99	382 319 318	22 22 23	215 193 155	497 417 365	845 759 609	848 342 244
Bread and other bakery products	1909 1904 1800	60 57 61	339 205 180	61 59 62	6 10 17	272 136 101	94	398 162 120	4 5 7	154 76 46	453 274 164	762 • 448 309	309 174 145
Foundry and machine-shop products	1909 1904 1899	25 8 8 13	1,799 1,210	17 6	253 89 107	1,529 1,115 1,076	1,408	4,538 2,853 1,787	242 79 116	910 614 559	2,407 1,086 877	3,948 2,080 2,183	1,541 094 1,306
Leather, tanned, curried, and finished	1909 1904 1899	743	1, 171 811 480		60 62 28	1,070 1,111 749 452	1,320	3, 461 1, 664 838	110 129 71 40	612 342 188	4,270 5,695 1,175	2,188 5,920 6,365 1,516	1,300 1,650 670 341
Lumber and timber products	1909 1904 1899	4 3 34	150 192 138	2 3 5	20 17 18	128 172 115	411	177 391 251	17 15 20	79 92 61	236 548 217	362 734 371	126 186 154
Printing and publishing	1909 1904 1899	35 2 83 2 83 2 80	266 192 196	32 30	43 84 24	191 128 141	139	357 277 261	87 33 21			850 265 221	260 205 168

Not reported separately.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSON	S ENGAG	ED IN IN	DUSTRY.			[		STRIES_(	ontinued.	1
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem-	Salaried employ- ees.	Wage earners (average num- ber).	Primary horse- power.	Capital.	Salaries.		Cost of materials.	Value of products.	Value added by manu- facture.
CAMDEN-Continued.				bers.					נ 	Expressed	in thousan	is.	
Shipbuilding, including boat building	1909 1904 1899	15 12 1 9	3,682 3,385 288	12 14 10	346 225 12	3,324 3,146 266	6,098	\$14,124 7,650 220	\$441 379 9	\$2,047 1,906	\$3,100 2,533 143	\$5,626 5,035	\$2,520
Slaughtering and meat packing	1909 1904 1899	6 3 1 3	52 26 31	10 6 5	5 1	42 15 25	51	147 64 43	3 1	177 32 9 15	693 391	410 763 422	2,502 267 70 31
Soap	1909 1904 1899	5 4 3	260 89 58		72 24 20	188 65 38	270	951 387 433	146 33 19	79 31 16	428 723 189	456 1,265 395	33 542 206 85
Tobacco manufactures	1909 1904 1899	25 27 24	582 602 79	24 29 26	26 28 4	532 545 40	293	270 1,314 29	28 19 1	135 130 19	97 258 247	182 661 576	85 403 329
Woolen, worsted, and felt goods, and wool hats.	1909 1904 1899	4 5 5	1, 179 1, 022 978	9 7 . 7	21 33 13	1,149 982 958	2,900	3,248 2,377 2,693	63 67 23	355 261 241	26 2,704 1,855	60 3,608 2,528 2,091	84 904 673
All other industries	1909 1904 1899	169 127 144	8, 773 5, 873	135 91	999 648 385	7,639 5,134 4,092	15,973	21, 105 14, 534 8, 600	1,277 770 402	3,884 2,374 1,683	1,408 11,953 7,128	25,028	685 13,075 6,852
ELIZABETH-All industries	1909 1904 1899	163 124 141	13,670 13,175	132 100	801 740	12, 737 12, 335	20, 124	\$26,774 23,564 15,951	\$1,052 866	\$7,513 7,398 5,476	5,406 \$16,429	9,562 \$29,147	4,066
Bread and other bakery products	1909 1904 1899	31 27 35	142 121	31 30	584  4 1	9,498 111 87	38	194 192	801 1	5, 476 69 56	16,982 12,913 182 196	29,301 22,861 347 310	\$12,718 12,319 9,948 165
Foundry and machine-shop products	1909 1904 1899	18 1 15 1 16	135 1,095 2,633	39 13 10	166 229	95 916 2,394 1,960	1,571	135 2,496 7,436	( <sup>1</sup> ) 215 243	45 604	169 996 1,436	288 1,877 3,887	114 119 881 2,451
Leather, tanned, curried, and finished.	1909 1904 2 1899	- 10	2, 183 207 326	12 6 3	211 8 29	1,960 193 294	225	4, 292 742 810	297 12 52	1,561 1,153 85 138	2,093 713 104	4,444 991 385	2,351 278
Oil, not elsewhere specified	1909 1904 1899	5 • 3 3	76 125	1 1	32 54	43 70	425	 553 1, 101	53 75	29 52	797	1,005 2,388	281 
Printing and publishing	1909 1904 1899	9 11 10	548 152	7 9	65 62 40	55 479 103	661	751 2,306 142	91 76 27	35 406 59	2,102 1,405 166 38	1, 679 867 172	286 274 701 134
All other industries	1909 1904 1899	97 65 77	11,602 9,818	74 47	15 533 384 292	77 10,995 9,387 7,311	17, 204	109 20,483 14,383 10,664	15 696 468 398	40 6,320 5,532	33 13,575 13,106	148 24,060 22,159	134 14.5 10, 485 9, 053
	1909 1904 1899	244 279	9, 339 8, 230	206 278	1, 033 725	8,100 7,227	11,108	\$19,898 11,777	\$1,365 914	4,203 \$4,553 3,573	9,213 \$9,469 6,580	16,302 \$20,413 14,077	7,089 \$10,944 7,497
Bread and other bakery products	1909 1904 1899	194 36 43 25	492 371	36 44	402 35 13 42	5, 712 421 314	255	7,475 420 463	495 23 13	2, 625 321 201	5, 026 873 618	10, 483 1, 410 1, 011	5, 457 537 393 224
Copper, tin, and sheet-iron products	1909 1904 1899	23 7 15	216 132 32	27 4 6	42 20 2	147 108 24	90	463 275 114 34	28 24 2	90 105 19	301 126 24	525 301 50	224 175 32
Foundry and machine-shop products	1909 1904 1899	23 1 22 1 18	957 1,052	9 13 16	93 96	855 943	1, 101	1,843 1,635	153 138	558 542	582 737	1,808 1,763	1,226 1,026
Furniture and refrigerators	1900 1904 1899	5 3	1, 103 676 349	16 4 2	58 56 38	1,029 616 309	625	1,859 1,064 490	85 86 65	622 334 146	847 557 190	1,869 1,314 544	1,022 757 354
Leather goods	1909 1904 1899	3 5	274 528	1 6	30 67	243 455	190	216 588			304 468	507 783	203 315
Lumber and timber products 1	1909 1904 1899	7 6 3	150 82 52	6 6 3	16 9	128 67	293	242 104	16 9	100 45	227 121	442 201	215 80
Printing and publishing 1	1909 1904 1899	17 1 25 1 13	344 286 122	17 24	3 93 94		235	122 440 328	5 108 89	30 165 112	61 186 109	114 577 487	53 391 378 120
lilk and silk goods, including throwsters	1909 1904 1899	4 3 3	339 349	14 1 1	26 20 22	82 318 326	133	115 471 405	16 28 24 8	55 143 111	43 397 193	163 706 456	120 309 263 126
All other industries1	1909 1904 1899	142 167 132	257 5,975 5,181	9 128 176	4 670 384 269	244 5,177 4,621 4,164	8,186	239 15,088 7,730 5,365	854 482 353	80 2,715 2,258 1,748	96 6, 217 4, 120 3, 678	222 13,348 8,776 7,5904	126 7, 131 4, 656 3, 912

Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Figures can not be shown without disclosing individual operations.

768

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#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSONS	ENGAGE	D IN IND	USTRY.					Castal	Value of	Value added by
" INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem-	Salaried employ- ees.	(average num-	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	products,	facture.
· · · · ·				berg.		ber).			E	xpressed	in thousand	ds.	
JERSEY CITY-All industries.	1909 1904 1899	745 628 536	30,239 23,312	614 580	4, 171 2, 379 1, 614	25, 454 20, 353 17, 391	35,917	\$79,794 82,395 78,612	\$5, 049 2, 990 2, 639	\$13,216 10,021 7,965	\$89,317 48,799 50,266	\$128, 775 75, 741 72, 930	\$39,458 26,942 22,664
Boxes, fancy and paper	1909 1904 1899	5 4 4	589 488 430	3 2 3	29 20 19	557 466 408	194 	385 235 224	42 19 18	` 166 127 105	238 173 110	527 408 283	28 23 17
Brass and bronze products	1909 1904 1899	9 19 8	400 354 173	5 7 7	55 47 17	340 300 149	550	1,277 1,297 960	113 64 16	185 172 84	1,577 1,201 719	2, 180 1, 730 881	60 52 16
Bread and other bakery products	1909 1904 1899	113 113 70	767 525 311	117 121 70	106 24 7	534 380 234	221 	954 662 286	74 9 4	387 247 144	1,531 927 382	2,485 1,499 748	95 57 36
Cars and general shop construction and repairs by steam-railroad companies.	1909 1904 1809	4 4 3	2,106 2,482 2,358		288 145 86	1, 818 2, 337 2, 272	927	405 1,440 1,408	191 121 65	1,044 1,280 1,212	1,273 1,160 1,289	2,539 2,593 2,613	1, 26 1, 43 1, 32
Shemiçals	1909 1904 1899	5 6 9	244 152 300	2 7	49 18 26	195 132 267	657	1,301 866 967	104 41 41	125 87 142	1,067 746 1,683	1,626 1,059 2,079	55 31 39
Confectionery	1909 1904 2 1899	74	389 69	2 5	59 6	328 58	493	665 126	47 6	146 19	839 97	1,151 169	31 7 
Cooperage and wooden goods, not else- where specified.	1909 1904 1899	6 15 15	232 267	3 3	27 10 15	202 254 233	205	424 279 253	36 11 25	99 111 104	351 253 234	- 547 471 486	10 21 25
Copper, tin, and sheet-iron products	. 1909 1904 1899	28 * 27 1 13	436 296	24 31	72 32 16	340 233 252	478	862 464 422	74 36 17	241 149 120	732 205 188	1,284 510 407	55 30 21
Electrical machinery, apparatus, and supplies.	1909 1904 1899	10 4 5	663 471 389	6 i	. 47	585 424 308	522	933 751 500	85 47 56	293 154 108	596 380 277	$1,253 \\ 663 \\ 546$	6 2 2
Foundry and machine-shop products.	. 1909 1904 1899	49 1 37 8 36	2,119 2,122 1,400	27 21 27	302 202 160	1, 790 1, 899 1, 213	2,830	5,784 3,904 3,191	396 239 187	1,236 1,221 707	1,941 1,599 934	3,858	2,7 2,2 1,3
Leather goods	. 1909 1904 1899	10 4 3	571 473	11 3	24 33 16	536 437 384	124	592 563 175	65 76 43	173	575 407 284	828 603	443
Lumber and timber products	1909 1904 1899	20 112 \$9	671 599 565	19 13 6	66 54 45	580 532 514	1,053	1,395 1,188 1,385	89	329 259 253	1,225	1,798 1,390	5
Millinery and lace goods	- 1909 1904 1899	34 15 7	730 231 80	43 20 10	62 7 1	625 204 69	269	800 168 29	8	269 78 28	116	277	1 1
Paint and varnish	1909 1904 1899	6 13 33	156 67 67	2 1 2	57 14 11	97 52 54	410	571 309 329	22	63 84 27	244	421	1 1
Paper and wood pulp	1909 1904 1899	444	171 165 140	2	. 14 13 9	150	1,250	567 482 353	31	78	202	430	2
Patent medicines and compounds and druggists' proparations.	1 1909 1904 1899	13 15 8	142 183	712	59 50 31	76 121 61	185	362 300 174	54	51	231	479 623 289	2
Printing and publishing	1909 1904 1899	48 1 44 1 24	648 597 651	35 47 24	108	442		1,166 1,050 . 700	112	302	2   349	1,176	
Silk and silk goods, including throwster	s. 1909 1904 1899	7 6 6	1,093 1,001 900		39 33 20	961	780	1,200 1,410 . 674	1 42	3 417	7 759	1,466	
Slaughtering and meat packing	1909 1904 1899	20 2 9 1 12	184	1 1	1 23	856 148 149	i	4,250 349 . 374	) 351 31 1 17	593 100 7 110	6 7,14	3 7,569	)
Tobacco manufactures	1909 1904 1899	\$73	2,814 1,610 1,710	50 72 81	2 47	1.491		4,959 5,329 5,480	3 4	5 37	3 5,88 3 64 9 1,94	4 2,16	2 1,
All other industries	1 1	296 230	14,184	24	2,202 3 1,446 931	3 9,33	21,703	50,965 61,193 60,725	3   1,88	4 5,89 7 4,58 1 3,54	3 30,73	5 46,03	7 19, 15, 7 11,

 1904
 230
 10,976
 198
 1,446
 9,332
 1,11,11
 1,887
 4,883

 1899
 226
 931
 7,679
 60,722
 1,281
 3,541

 \* Excluding statistics for two establishments, to avoid disclosure of individual operations.
 Figures can not be shown without disclosing individual operations.

 \* Figures tatistics for one establishment, to avoid disclosure of individual operations.

 \* Excluding statistics for one establishment, to avoid disclosure of individual operations.

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# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSONS	B ENGAG	ed in ini	OUSTRY.	· ·						
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total,	Pro- prietors and firm mem-	Salaried employ- ees.	Wage earners (average num- ber),	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products,	Value added by manu- facture,
977 - 972 - 972 				bers.					1 I	xpressed	in thousan	ds.	
NEWARK—All industries	1909 1904 1899	1,858 1,600 1,573	69,986 57,463	1,704 1,631	8,327 5,135 4,146	59,955 50,697 42,878	78, 263	\$154,233 119,026 97,182	\$11,777 6,685 5,256	\$33,076 25,622 20,365	\$114,679 80,689 60,772	\$202,512 150,055 112,728	\$67,833 69,366 51,956
Boots and shoes, including cut stock and findings.	1909 1904 1899	$12 \\ 115 \\ 23$	1,585 1,656	8 12	128 84 147	$1,449 \\ 1,500 \\ 1,605$	490	$1,505 \\ 1,172 \\ 1,225$	174 119 167	704 698 710	1,673 1,470 1,546	2,901 2,732 2,990	1,228 1,262
Boxes, fancy and paper	1909 1904 1899	13 11 9	661 410 376	10 10 9	31 16 10	620 384 357	301	294 148 132	35 12 9	187 123 90	261 159 142	648 342 301	1,444 387 183
Brass and bronze products	1909 190 <u>4</u> 1899	22 21 16	304 203	18 24	45 12 7	241 167 165	264	813 215 493	47 15 5	139 95 88	321 150 246	611 347	159 290- 197
Bread and other bakery products	1909 1904 1899	205 163 179	1,357 1,130 1,134	204 162 185	127 135 146	1,026 833 803	566	1,646 1,347 1,340	163 107 107	738 560 433	2,711 1,903	421 4,627 3,115	175 1,916 1,212
Buitons	1909 1904 1899	30 27 23	1,608 1,174 1,113	31 28 31	78 71 49	1,499 1,075 1,033	786	1,018 654 432	122 81 46	625 445	1,498 856 511	2,540 1,907 1,282	1, 642 1, 051 771
Carriages and wagons and materials	1909 1904 1899	39 44 50	394 737	48 54	22 37 54	324 646 665	277	688 967 1,165	27 54	367 204 369	302 214 431	912 599 1,144	550 385 713
Chemicals	1909 1904 1809	9 9 9	1,795 1,557 1,231	3 $16$ $7$	228 176 161	1,564 1,365 1,063	4, 455	6,629 7,542	58 386 269	364 823 630	537 2,404 1,795	1,243 4,805 3,965	706 2,401 2,170
Clocks and watches, including cases and materials.	1909 1904 1899	6 13 8	586 110	1	43 12	542 97	363	7,212 1,763 276	252 70 19	503 824 61	1,461 593 65	3,113 1,179 170	1,652 586 105
Clothing, men's, including shirts	1909 1904 1899	73 48	2,177 1,771	91 59	42 90 50	696 1,996 1,662	285	1,601 1,131 665	59 95 57	341 998 716	793 802 672	1,389 2,473 1,850	596 1,671 1,178
Clothing, women's	1909 1904	49 30 20	2,615 2,044	30 26 27	30 265 127	1,250 2,320 1,891	382	359 1,789 936	44 212 121	455 767 488	319 1,569 1,348	1,143 3,349 2,374	824 1,780 1,026
Confectionery	1899 1909 1904	24 16 11	1,460 471 307	27 17 16	103 73 23	1,330 881 208	252	932 1,328 409	88 70 18	410 131 96	716 837 387	1,643 1,635 932	927 798- 545
Copper, tin, and sheet-iron products	1899 1909 1904	6 43 48	2,883 2,646	35 42	19 185 161	46 2,663 2,443	1,257	87 3,612 2,759	8 281 235	20 1,424 1,067	85 1,800 1,522	154 4,166 3,324	69 2,366 1,802
Cutlery and tools, not elsewhere speci- fied.	1899 1909 1904	27 39 32	1,759 1,407	38 30	53 145 97	1,081 1,576 1,280	1,616	1,018 2,102 1,667	60 192 121	410 756 671	526 646 540	1,245 2,081 1,722	719 1,435 1,176
Electrical machinery, apparatus, and supplies.	1899 1909 1904	30 21 15	3,346 1,538		128 520 155	1,366 2,820 1,378	2,508	1,239 7,433 5,177	147 658 170	628 1,516 670	615 1,482 845	1,686 5,617 2,549	1,071 4,135 1,704
Fancy articles, not elsewhere specified	1899 1909 1904	12 14 11	574 372 1,084	8 19 6	91 70 160	475 283 918	251	1,463 369 1,022	90 52 171	264 137 409	422 155 552	1,169 439 1,583	747 284 1,031
Foundry and machine-shop products	1899 1909 1904	19 168 1 159	7,585 6,528	121 137	182 797 593 383	794 6,667 5,798	8,923	842 13,136 9,780	175 1,376 883 519	321 4,228 3,124	468 6,661 3,871	1,160 15,482 10,637	692 8,821 6,766
Hats, fur-felt	1899 1909 1904	1 149 35 37	4,992 2,384 2,795 2,395	138 47 44	179 168	4,471 2,158 2,583	2,553	7,083 2,176	519 196 167	2,216 1,419 1,502	3,166 2,074 2,204 1,741	7,717 4,433 4,586	4,551 2,359 2,382 1,713
Jewe!ry	1899 1909 1904	31 145 110	4,777	27 162 172	95 766 384	2,273 3,849 2,976	1,214	2,334 1,272 11,937 7,133	111 1,252 522	1,155 2,511 1 833	6,240 4,628	3,454 13,152 9,258	1,713 6,912 4,030 3,541
Leather goods	1899 1909 1904	98 46 48	3, 254 865 906	165 43 54	821 135 92	2,768 687 760	505	5,513 1,304 911	395 134 96	1,556 382 379	3,823 859 907	7,364 1,666 1,811	807 904
Leather, tanned, curried, and finished	1899 1909 1904	36 63 52	4,149 3,799	51 48	78 304 227	1,193 3,794 3,524	6,786	1,128 12,837 9,796	82 566 347	578 2.504	988 13,416	2,050 18,858 13,578	1,062 5,442 4,908
Liquors, malt	1899 1909 1904	61 14 17	3,799 3,562 1,540 1,461	58 2	221 311 305	3,283 1,229 1,154	8,319	8,087 19,928 15,824	338 714 607	2,108 1,661 1,041 958	8,610 7,392 2,799 2,337 1,654	10,857 12,361 10,917	3,465 9,562 8,580
Lumber and timber products	1899 1909 1904	16 26 27	1,180 829 774	6 14	204 84	970 781	1,418	12,176 1,329	490 86	775 346	1,076	1,916 1,253	6,582 840
Marble and stone work	1899 1909 1904	20 23 213	479 833 412	25 17 31 8	53 39 31	696 423 271	696	665 459 713	53 43 47	303 183 250	693 450 322	1,255 793 834 886	560- 343- 512- 598-
ļ	1899	16	*12	ð	25   21	379 376		486 436	47 34	325 247	288 325		598 395

Excluding statistics for two establishments, to avoid disclosure of individual operations.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

CITIES OF 30,000 INI			PERSONS	ENGAGE	d in ind	USTRY.							
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem-	Salaried employ- ecs.	Wage earners (average num-	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture.
			, 	bers.		ber).			E	xpressed	in thousand	ls.	
NEWARK—Continued. Maturesses and spring beds	1909	7	323 83	10	43 11	270	113	\$379	844	<b>\$131</b>	\$437 152	<b>\$</b> 664	\$227
1	1904 1899	6	•••••		4	65 36		86 32	13 4	35 17	72	240 110	\$227 88 38
Millnery and lace goods	1909 1904 1 1899	9 4	269 327	18 4	15 5	241 318	98 	215 217	12 4	104 94	201 181	404 367	203 186
Oil, not elsewhere specified	1909 1904 1899	5 4 5	217 92 79	1 1	88 29 35	129 62 44	172 	1,087 434 322	133 61 62	76 43 24	1,215 753 424	1,614 994 588	399 241 164
Paint and varnish	1909 1904 1899	25 20 23	1,033 790 709	6 5 10	414 306 277	613 479 422	2,548	6,028 4,122 4,561	770 475 416	385 284 277	4,268 2,522 1,945	6,733 4,706 3,644	2,465 2,184 1,699
Patent medicines and compounds and druggists' preparations.	1909 1904 1899	33 17 11	244 138 77	20 10 3	86 28 20	138 100 54	184	700 404 40	189 37 16	63 39 16	372 183 64	1,838 959 173	966 776 109
Printing and publishing	1909 1904 1899	118 81 2 83	2,180 1,750 1,386	120 86 89	392 852 189	1,668 1,312 1,108	1,307	4,273 2,638 1,908	449 852 197	1,184 743 580	1,247 748 626	4,519 2,752 2,045	3,272 2,004 1,419
Rubber goods, not elsewhere specified	1909 1904 1899	4 4 5	169 119 108	2 3 1	22 9 7	145 107 100	470	617 428 213	34 16 11	75 49 39	477 270 242	691 434 361	214 164 119
Slaughtering and meat packing	1909 1904 1899	13 2 10 12	355 232	12 12	55 18 39	288 202 179	687	886 422 377	55 12 33	188 126 96	3,760 2,520 3,292	4,297 2,934 3,559	537 414 267
Tobacco manufactures	1909 1904 1899	101 * 112 * 113	$1,735 \\ 1,413 \\ 824$	106 119 123	104 49 22	$1,525 \\ 1,245 \\ 679$	175	2,298 1,076 561	$     \begin{array}{r}       146 \\       52 \\       22     \end{array} $	556 406 209	1,003 651 379	2,771 1,743 1,049	1,768 1,092 670
All other industries	1909 1904 1899	451 401 404	19,086 14,538 76	387 403 4	2,451 1,165 969	16,248 12,970 11,710	28,047	42,760 37,314 33,474	2,990 1,372 1,168	8,160 6,083 5,242	51,928 36,815 24,453	73,742 54,569 38,896	21,814 17,754 14,443
PASSAIC—All industries	1909 1904 1899	169 95 70	16,386 11,854	145 78	1, 155 776 403	15, 086 11, 000 6, 399	23, 245	\$42, 841 28, 611 18, 377	\$1, 784 1, 073 623	\$6,269 3,866 2,374	\$24,335 13,110 7,418	\$41,729 22,783 12,805	\$17,394 9,673 5,387
Bread and other bakery products	1909 1904 1899	42 17 17	196 73 65	46 17 16	15 3	135 53 49	30	192 68 63	73	92 28 23	321 110 84	554 176 195	233 66 111
Cotton goods, including cotton small wares.	1909 1904 11899	53	1,371 549		65 42	1, 306 507	2, 510	3,529 1,930	112 80	544 183	2,544 685	3,954 1,123	1,410 438
Foundry and machine-shop products	1909 1904 1899	13 9 6	282 396 75	13 9 7	68 111 4	201 276 64	468	710 674 123	90 129 8	132 145 36	318 239 111	692 792 175	374 553 64
Woolen, worsted, and felt goods, and wool hats.	1909 1904 1899	6 84 83	7,184 848 500	6	293 20 14	6, 885 828 486	8,960	20,889 1,688 833	547 34 27	2,752 298 168	8,944 584 388	16,582 1,038 737	7,638 454 349
All other industries	1909 1904 1899	$\begin{smallmatrix}103\\62\\44\end{smallmatrix}$	7,353 9,988 1,372	80 52	714 600 385	6, 559 9, 336 5, 800	11,277	17,521 24,251 17,358	1, 028 827 588	2,749 3,212 2,147	12,208 11,492 6,835	19,947 19,654 11,698	7,739 8,162 4,863
PATERSON—All industries	1909 1904 1899	702 513 487	35,116 30,875	871 507	2,241 1,859 1,199	32, 004 28, 509 28, 542	35, 889	\$66, 402 53, 696 46, 894	\$2, 981 2, 164 1, 588	\$15,205 13,002 11,843	\$34,728 27,441 25,055	\$69, 584 54, 673 48, 502	\$34,856 27,232 23,447
Bread and other bakery products	1909 1904 1899	86 73 80	572 266 224	312 82 86	1,100 22 11	238 173 138	95	388 241 243	11 4	155 101 75	692 419 294	1,011 632 520	319 213 226
Clothing, men's, including shirts	1909 1904 1899	12 \$6 \$3	1,985 1,147 987	11 15 8	118 30 17	1,856 1,102 962	411	2, 219 447 533	157 20 16	828 412 398	2,016 731	3, 445 1, 688 942	1,429
Cordage and twine and jute and linen goods,	1909 1904 1899	5 23 4	2,007 733		72 25 35	1,935 708 1,422	4,150	3,671 1,143 2,016	79 88 49	576 227 394	1,882	2, 794 929 1, 902	912 432
Cotton goods, including cotton small wares,	1909 1904 1899	633	272 96	6 2	42	224 86 174	365	664 180 358	27 5 26	78 18	204	380 131 288	. 176 . 59
Dyeing and finishing textiles	. 1909 1904 1899	24 27 30	3,858 3,279 2,882	$\begin{smallmatrix} 14\\12\\24\end{smallmatrix}$	194 193 151	3,650 3,074 2,707	7,739	11,048 4,190 2,826	320	1,832	2,759	6, 207 5, 699 3, 836	3, 448 3, 005
Foundry and machine-shop products	1909 1904 1899	47 2 42 3 42	2,530 1,980	44	217 166 169	2, 269 1, 773 3, 880		6,594 3,004 6,699	280 208	1,178	1,535 778	3, 797 2, 430	1

Figures can not be shown without disclosing individual operations.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.

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#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSONS	ENGAGE	D IN IND	USTRY.							
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem-	Salaried employ- ees,	Wage earners (average num-	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture.
·			-	bers.		ber).		·	E	xpressed	in thousand	ls.	
PATERSON-Continued.							•						
Lumber and timber products	1909 1904 1899	8 16 13	193 112 33	5 6 2	25 31 6	163 75 25	361 	\$353 405 111	\$28 \$8 4	\$99 41 11	\$234 163 72	\$420 259 101	\$186 96 19
Printing and publishing	1909 1904 1899	42 1 30 1 22	425 304 224	38 27 15	75 53 29	312 224 180	471	644 530 402	73 51 36	183 128 108	159 120 63	610 393 296	451 273 233
Silk and silk goods, including throwsters.	1909 1904 1899	276 190 136	29,099 15,562 16,704	250 190 159	1,021 748 602	18, 828 14, 624 15, 943	13,361	26,447 18,725 19,026	1,456 883 736	8,872 6,107 6,292	19,520 13,004 14,106	40, 358 25, 433 26, 006	20,838 12,429 11,900
Slaughtering and meat packing	1909 1904 1899	6 3 3	166 156 90	4 1 4	47 28 11	115 127 75	408	578 600 400	73 37 15	118 95 42	2,529 1,965 1,043	3,003 2,207 1,370	474 242 327
Tobacco manufactures	1909 1904 1899	87 37 1 28	208 185 103	42 36 28	7 10 4	159 139 71	26	169 124 87	10 19 2	90 83 38	172 113 66	333 297 146	101 184 80
All other industries	1909 1904 1899	153 93 133	2,801 7,055	145 95	401 556 169	2, 255 6, 404 2, 965	6,622	13,627 24,107 14,163	467 589 249	1,196 3,426 1,378	3,026 6,885 2,791	7,226 14,575 7,139	4,200 7,690 4,348
TRENTON-All industries	1909 * 1904 1899	340 311 246	20, 679 15, 435	295 293	1, 841 1, 012 739	18, 543 14, 130 13, 138	29,839	\$46, 639 40, 861 24, 625	\$2,232 1,311 903	\$9,726 6,921 6,003	\$27,673 17,551 16,581	\$49,009 32,360 28,458	\$21,336 14,809 11,877
Bread and other bakery products	1909 1904 1899	48 43 45	442 359 300	53 56 50	40 21 21	349 282 229	221 	496 840 266	29 15 13	187 144 100	832 541 285	1,279 867 550	447 326 265
Clothing, men's, including shirts	1909 1904 41899	6 84	240 69	9 7	17 6	214 56	52	217 41	22 5	57 26	247 86	875 158	128 72
Confectionery	1909 1904 4 1899	10 3	188 53	82	37 4	143 47	96	190 84	31 6	43 21	189 71	374 128	185 57
Foundry and machine-shop products	1909 1904 1899	28 27 <sup>8</sup> 17	2,261 1,095 687	21 25 13	242 108 40	1,998 962 634	3, 327	4,960 2,255 621	278 122 57	1,096 546 282	1,785 1,142 419	3, 838 2, 089 894	2,053 947 475
Furniture and refrigerators	1909 1904 1899	4 3 14	246 180	3	26 13 16	217 166 95	282	355 335 95	24 18 13	131 108 41	135 137 • 48	392 344 129	257 207
Pottery, terra-cotta, and fire-clay prod- ucts.	1909 1904 1899	34 40 29	5,347 4,876 4,521	13 24 34	304 281 198	5,030 4,571 4,289	3,113	8,892 8,489 7,097	451 397 260	3,143 2,474 2,344	2,035 1,446 1,196	5,883	4, 961 4, 437 3, 589
Printing and publishing	1909 1904 1899	35 33 20	431 320 275	40 38 21	67 46 36	324 236 218	255	641 577 476	81 46 26	223 172 139	188 130 93	738	550 378
Rubber goods, not elsewhere specified	1909 1904 1899	8 5 6	1,059 391 584	1	122 45 54	936 346 530	2,614	2,930 789 1,225	176 46 90	501 165 228	3,681 715 957	4,969 1,114 1,690	399
Slaughtering and meat packing	1909 1904 41899	9 84	68 27	10 5	9 1	47 21	104	202 86	5	80 11	541	636	5 90
Tobacco manufactures	1909 1904 1899	19 81 20	1,116 559 63	17 29 20	71 85 1	1,028 495 42	120	408 1,215 29	28	287 119 22	599 258 27	562	304
All other industries	1909 1904 1899	139 118 105	9,283 7,506	120 106	906 452 373	8,257	19,655	27,348 26,650 14,816	1	4,028 3,135 2,847	17, 441 12, 965 13, 556	27,884 20,620 19,950	10,442 7,655 6,400

Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.
 Figures can not be shown without disclosing individual operations.
 Less than \$500.

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

	USTRY.												
CITY, TOWN, OR BOROUGH.	Census.	Num- ber of estab- lish- ments.		Pro-	Salaried	Wage earners	Primary horse-	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture.
			Total.	firm mem- bers.	employ- ees.	(average num- ber).	power.	Expressed in thousands.					
Asbary Park	1909 1 1904 1 1899	27	332	28	40	264	392	\$537	\$30	\$175	\$294	\$602	\$308
Atlantic City	1909 1904 1899	94 62 36	973 512	94 64	153 67 32	726 381 305	1, 718	4, 242 1, 919 1, 332	110 53 20	480 223 165	1,136 365 281	2,260 975 608	1,124 610 - 327
Bloomfield	1909 1904 1899	45 33 89	3,435 2,182	35 28	443 261 142	2,957 1,893 1,612	6, 081	7, 769 4, 177 8, 194	591 314	1,301 1,024	2,301 1,750	5, 895 4, 645	3, 594 2, 895
BridgetOn	1909 1904 1899	74 61 62	2, 649 2, 492	62 54	200 162 115	2, 387 2, 276 2, 182	2,105	8, 302 2, 147 2, 155	221 0 207 128 108	770 1,163 1,014	1,706 1,997 1,239	8,371 4,071 2,964 2,259	1,665 2,074 1,725
East Orange	1909 1904 1899	42 17 22	$1,861 \\ 1,251$	45 14	430 383 150	1, 386 854 690	1,087	2, 135 3, 849 3, 048 1, 896	264 267 186	749 858 454 856	1,043 1,768 1,108 911	2,259 3,725 2,327 2,087	1,216 1,957 1,218 1,176
Garfield	1909 1904 1904	25	2,661	20	111	2, 530	5, 416	8,006	205	1,080	5, 976	8,894	2,918
Hackensack	1909 1904 1899	46 23 21	873 899	44 18	91 69 29	738 812 487	1,021	1, 846 2, 933 1, 509	119 57 22	360 278 173	899 687 371	1,978 1,488 782	1,079 801 411
Harrison	1909 1904 1899	54 41 41	7,339 4,472	33 19	806 413 202	6, 500 4, 040 2, 859	8,021	20, 602 11, 389 5, 076	925 524 234	3,672 1,929 1,381	5, 413 3, 629 3, 202	13,142 8,409 6,086	7,729 4,780 2,884
Irvington	1909 11904 11899	51	656	40	76	540	967	1,406	103	278	2, 343	3,018	675
Kearny	1909 1904 1899	18 11 16	3,111 1,362	14 15	277 44 28	2,820 1,303 986	5, 879	6, 551 2, 925 1, 983	269 63 43	1,540 505 359	5, 263 3, 505 984	8,306 4,428 1,607	3, 043 923 623
Long Branch	1909 1904 1899	34 26 11	562 397	36 36	111 67 23	415 294 96	922	2,362 2,038 1,762	75 40 18	225 155 49	584 207	1,001 1,117 577 281	533 370 172
Miliyille	1909 1904 1899	39 35 18	3, 144 3, 022	37 26	346 229 152	2, 761 2, 767 2, 239	3, 681	3, 578 3. 810 3, 169	368 236 160	1,424 1,528 1,098	109 1,509 1,384 919	4,182 3,719	2,583 2,836 1,594
Montelair	1909 1904 1899	28 19 23	321 188	17 17	52 20 12	252 151 169	1,245	1,105 566 505	100 44 24 14	1,008 139 72 86	669 419 386	2,513 1,026 621 664	357 202 278
Morristown	1909 1904 1899	31 26 22	278 359	82 27	45 25 36	201 307 252	766	948 782 747	39 22 24	130 171 146	369 299	724 704 596	855 405 286
New Brunswick	1909 1904 1899	93 71 72	5, 948 4, 991	72 63	612 338 238	5, 264 4, 590 3, 836	6, 337	11,189 10,393 6,319	780 400 303	2,020 1,792 1,304	4,549	10,005 8,917 5,791	5,456 4,759 2,797
Orange	. 1909 1904 1899	85 60 74	5,054 2,687	65 80	606 157 50	4, 383 2, 450 1, 640	5,962	11,148 3,441 1,360	772 192 46	2,463 1,312	3,688 2,642	9,176 6,151 2,996	
Perth Amboy	- 1909 1904 1899	80 53 47	6, 595 4, 333	55 37	674 346 157	5, 866 3, 950 2, 005	22, 314	25,100 11,583 6,374	986 400 185	2,679 1,827		73,093 34,800 14,061	9,161
Phillipsburg	- 1909 1904 1899	39 32 34	3,753 3,279	27 21	294 110 74	3, 432 3, 148 2, 216	7,061	9,764 6,723 3,308		1,732 1,472	4,770 8,566	9,150 6,684 4,585	4,380
Plainfield	. 1900 1904 1899	60 49 32	2,027 2,283	55 51	214 246 121	1,758 1,986 1,384	3,912	6,508 5,101 2,450		1.	1.530		2,119 2,418
Union	- 1909 1904 1809	83 77 57	3,155 2,038	83 78	178 104 92	2, 894 1, 856 1, 376	3,034	10,910 7,295 5,354			3, 589 1, 392	7,941	
West Hoboken	. 1909 1904 1899	137 95 65	3, 179 3, 923	154 102	243	2, 782 3, 502 2, 733	1,477	4,861 6,018 3,732	268 258			5, 577 5, 947	3,089
West New York	. 1909 1 1904 1 1899	66	1,779	70		1,508	1,443	4,163					1
West Orange	- 1909 1 1904	10	530	8	46	476	1,032	1,994	44	28	399	748	349
	1 1899		·	•  ••••••	• •••••	• ••••••	·  ·····	·  ·····	· ·····	·	• ••••••	•	

<sup>1</sup> Figures not available.

TABLE II.-DETAIL STATEMENT FOR

			PERSONS ENGAGED IN INDUSTRY.										WAGE EARNERS-NUMBER DEC. 15, OR NEAREST REPRESENTA- TIVE DAY.					
	INDUSTRY.			Pro- prie-	Sala- ried	Clerks.		Wage earne			rs.			16 and over.		Under 16,		Pri- mary
	and the second	lish- ments	Total.	tors and firm mem-	offi- cers, supts. and man- agers.	Male.	Fe- male.	Aver- age num- ber.	Number.			Total.	Male.	Fe-	Male.	1	horse- power,	
e				bers.						inum onth.		imum onth.		·	male.		male.	
1 2 3	All industries Agricultural implements Artificial flowers and feathers and	8,817 10	371,265 294	9	17	21,652 36	8	326, 223 224	Ap.	3 <b>43,389</b> 277	Au	818, 158 181	( <sup>1</sup> ) 219	( <sup>1</sup> ) 217	( <sup>1</sup> ) 1	(1)	(1) 1	612,293
45	plumes. Artificial stone Automobiles, including bodies and	15 97 24	106 642 1,159	19 100 8	1 84 51	5 14 50	1 6 26	80 488 1,024	Mh My De	113 577 1,211	Je Fe Ja	54 374 897	90 534	10 533	77	1 1 • 6	2	724 16 436
6	parts. Baskets, and rattan and willow ware	32	181	36	4			141	My	157	De	110	1,218 145	1,202 134	10 6	- G 5	•••••	1,311 341
7 8 9	Belting and hose, leather Belting and hose, woven and rubber Blacking and cleansing and polishing	8 <sup>%</sup> 12 35	75 2,583 336	10 	5 55 30	11 186 34	3 47 11	46 2, 295 233	Ja <sup>2</sup> De No	47 2,551 333	Ap My Jy	45 2, 185 184	46 2,566 303	43 2,208 173	2 347 99	1 8	3	50 8,748
10	preparations. Boots and shoes, including out stock and findings.	53	4,602	46	111	153	60	4,232	De	4,866	Ap	4, 126	4,369	2,656	39 1,587	20 68	11 58	631 1,500
11 12 13	Boxes, cigar		81 2,321	5 36	2 55	1 56	2 32	71 2,142 1,265	Ja No	74 2,292	Ap Fe	68 2,046	72 2,°271 1,426	20 734	37 1,387		15 126	56 1,224
13 14 15 16	Boxes, fancy and paper Brass and bronze products Bread and other bakery products Brick and tile Brooms	1,217 76 8	1,488 6,966 3,619 83	61 1,498 64 8	68 86 75 5	73 253 72 6	21 193 3 3	$1,265 \\ 4,936 \\ 3,405 \\ 61$	De Au Au Ja	$1,430 \\ 5,112 \\ 4,621 \\ 67$	Ja Ja Ja Oc	1,157 4,843 1,529 57	1,426 5,018 3,960 58	1,391 4,703 3,877 47	20 244 36 11	15 67 47	4	4,431 2,184 11,419 41
17 18 19 20 21	Brushes Buttons Canning and preserving Carpets and rugs, other than rag	25 20 64 84 9	968 102 2,433 2,051 939	20 15 69 85 6	$31\\ 8\\ 46\\ 61\\ 26$	50 34 67 21	13 3 23 20 2	854 73 2, 261 1, 818 884	De Jy 2 Oc Se De	912 79 2,340 6,021 1,008	Jy Ja 2 Je Ja Je	812 69 2,154 273 779	912 72 2,294 5,650 1,008	610 72 1,490 2,191 697	255 721 3,436 294	26 36 21 15	21 47 2 2	682 771 1,232 2,698 970
22 23 24	Carpets, rag Carriages and wagons and materials Cars and general shop construction and repairs by steam-railroad companies.	18 256 23	66 1,980 7,639	21 301	37 526	32 498	1 9 11	44 1,601 6,604	De Au No	48 1,655 6,736	Mh Ja Jy		48 1,632 6,688	45 1,630 6,629	1 1 56	10 2 1 3		970 1,645 7,640
25	Cars and general shop construction and repairs by street-railroad companies.	15	878		21	81	•••••	826	Jy	850	Mh	795	830	830	••••••		•••••	2, 276
26 27 28 29	Cement . Chemicals . Chocolate and cocoa products . Clocks and watches, including cases and materials.	3 50 4 9	$1,616 \\ 5,937 \\ 350 \\ 2,260$	  1	15 213 11 30	150 587 47 60	6 87 2 40	1, 445 5, 046 290 2, 129	Jy De Oc Fe	1,860 5,252 336 2,212	Ja Au Jy Se	1, 000 4, 780 254 2, 073	1,117 5,267 309 2,088	1, 110 4, 758 202 1, 391	4 458 96 631	3 17 6 52	 34 5 14	16,393 13,880 660 1,414
30 31	Clothing, men's, including shirts Clothing, women's	150 99	7,680 4,691	199 112	98 70	249 102	140 191	6,994 4,216	De De	7,255 4,460	Ју Ју	6,696 8,899	7,439	2,346 402	4,934 3,927	56 8	103 145	1,351 959
32 33	Confins, burial cases, and undertakers' goods. Confectionery Cooperage and wooden goods, not else-	7 71	261 1,558	4 70	7 55	35 107	3 63	4,216 212 1,263	Je 3 No	221	Jy Jy	198 1,148	4,482 214 1,394	197 577	17 742	23	52	422 1,181
34 35	where specified. Copper, tin, and sheet-iron products	43 175	1,162 5,575	42 162	35 157	33 189	6 65	1,046 5,002	Ja No	1,440 1,177 5,511	Je Ja	977 4,495	1,080 5,567	1,077 4,454	2 838	1 194	81	1,613 3,579
86 87	Cordage and twine and jute and linen goods. Cork, cutting	12 10	3,174	1	31	103	14	3,025	De	3,096	Jy	2,963	3,096	1,421	1,419	140	116	6,442
38 39	Corsets	10 11 26	466 2,013 6,894	2 3 13	16 21 83	25 110 136	5 34 24	418 1,845 6,638	No No No	502 1,947 6,826	Mh Ja Jy	318 1,736 6,500	469 1,939 6,816	394 159 2,600	68 1,694 3,607	1 2 270	6 84 339	855 480 17,288
40	Cutlery and tools, not elsewhere speci- fied.	70	2,482	66	48	124	36	2, 208	00	2,367	Ja.	2,042	2,340	2,086	205	51	4	2,540
41 42	Dairymen's, poulterers', and apia- rists' supplies. Dyeing and finishing textiles Electrical machinery, apparatus, and	7 67	425 10,722	5 32	12 162	87 340	25 59	296	Ap Fe	838 10,557	De Jy	257 9,526	286	276 8 718	2	8 75		313 19,989
43 44	Electrical machinery, apparatus, and supplies. Electroplating Enameling and japanning		13,024 115	22 20	304 3 2	1,189 9	410	10,129 11,099 83	De No	12,418 92	Ja	10,295	10,186 12,354 85	8,718 7,405 79	1,361 4,860 5	59 1	80	19,989 11,326 125
45 46 47	Fancy articles, not elsewhere specified	91	60 1,280 1,384	13 38 17	22	1 59	1 49	43 1,112	Ja 3 Oc	43 1,213 1,518	Jy 2 Jy 8 My	1.047	43 1,152	39 794	4 830	 19	g	30 730 7 459
48 49	Fortilizers Flags, banners, regalia, society badges, and emblems. Fireworks Flour-mill and gristmill products		253	- 16 - 11	40 3 7	110 1 6	9 6 1	1,208 . 63 . 228	Mh Se Je	1,518 73 254	Ja Ja De	1,086 53 203	1,235 63 206	1,217 30 121	15 29 73	3 1 7	3	2,459 19 40
50 51	Foundry and machine shop products	501	790 32,078	255 436	28	46 2,477	8 410	453 27,815	No 3	471 30,580	Je Ja	203 431 25,845	474 30,616	471 29,552	848	7 3 188	 28	10,763 41,191 3
52 53 54 55	Fur gods	9 21 49 28	55 2,740 1,949 2,319	10 15 43 16	85 48 101	4 92 77 289	140 26 29	41 2,458 1,755 1,884	No 2 De Oc Ap	55 2,708 1,849 2,123	Ap Ja Ja Jy	27 2,039 1,633 1,678	55 2,714 1,771 2,253	23 284 1,721 1,259	32 2,280 48 835	50 2 24	100 135	3 973 2,340 1,124
56 57 58 59	Gas, illuminating and heating Glass Gloves and mittens, leather Gold and silver, lead and foil Gold and silver, reducing and refining,	47 23 6 16	2,804 6,159 172 190	6 8 21	139 115 1 8	709 287 1 1	39 100	1,917 5,651 162 165	Je Ap Ap No	1,974 7,286 166 171	Ja Au Se Se	$1,864 \\ 1,151 \\ 158 \\ 152$	1,891 7,575 163 170	1,890 7,046 87 79	1 143 126 83		2 7	6,717 3,081 26 15
60	not from the ore.		161	. 4	17	16	12	103	Fe	121	Au	107	113	111	2	<b>-</b> -		406
61 62 63	Hand stamps and stenells and brands. Hats and caps, other than felt, straw, and wool. Hats, fur-felt	4 7 58	8 236 5,104	4 10 62		40	16	4 170	Ja <sup>a</sup> Oc	4 190	Jy 3 My 5		4 179	4 145	34		 54	2 51 5,046
64 65	Hosiery and knit goods Ice, manufactured	87 59	2,658 581	63 34 27	148 60 62	202 44 30	34 14 6	4,657 2,506 456 plained i	De No Au	6,186 2,780 662	Fe Ja Ja	2,860 2,256 234	6,296 2,767 415	4,889 1,028 415	1,304 1,604	49 36	99	1,477 10,121

<sup>1</sup> No figures given for reasons explained in the Introduction.

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(Constraints) March (Constraints) and the constraints (March (Constraints)) and the constraints (March (Constraints))

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# THE STATE, BY INDUSTRIES: 1909.

		n an an Arthur Maria				EXPEN	3ES.						
	- 11-1			Services.		Mat	erials.		Miscell	aneous.		Value of products.	Value added by manu-
-	Capital.	Total.	Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.		facture.
1	\$977, 172, 141	\$1,032,697,779	\$23,531,887	\$24, 804, 446	\$169,710,033	\$24, 288, 913	\$695,744,486	\$7,669,818	\$10,729,242	\$8,445,253	\$67,773,701	\$1,145,529,076	\$425,495,677
23	770,916 82,745	603,977 63,271	29, 278 320	47,286 2,807	111,516 23,738	7,983 955	318, 702 30, 774	600 2,011	1,509 381	160 311	86,943 1,974	754,909 97,844	428, 224 66, 115
45	912, 849 2, 702, 587	654,339 1,876,480	29, 325 102, 287	10, 044 58, 027	250,160 615,300	6,771 27,898	287, 036 864, 279	6,050 23,361	4,118 5,878	8,513	52, 322 179, 450	858,788 2,007,516	564,981 1,115,339
6	147,934	162, 884	4,625		53,028	1,868	94, 098	8,068	601	13	5,583	206, 156	110,190
7	137,458 9,385,357 573,007	188,127 8,669,231 8,000,147	9,580 232,439	13,770 285,085 63,314	81,393 1,150,487 102,334	1,598 163,156 7,403	117, 147 5, 807, 372 583, 408	6,071 360 6,381	$171 \\ 31,429 \\ 2,280$	1,000 300	7,397 998,903 241,085	203,713 9,792,625 1,154,532	84,968 3,822,097 563,721
9 10	573,007 4,107,664	1,069,347 7,502,291	62,842 213,784	234, 482	1,923,198	28,548	4,698,577	18,652	10,763	27,947	346,340	8,041,623	8,314,498
11	68, 550	82,970	1,728	1,770	22,690	1,630	51,290	700	937		2,225	89,635	36,715
12 13 14 15 16	1,931,595 3,104,433 8,100,321 7,354,660 89,867	2,312,782 4,536,011 16,993,117 3,080,500 293,913	97,479 155,985 143,368 142,840 5,025	70,237 93,994 259,508 62,346 4,755	704,014 718,645 3,309,009 1,625,260 27,485	23,549 98,555 377,454 629,602 712	$\begin{array}{c} 1,162,353\\ 3,256,588\\ 11,817,751\\ 214,161\\ 240,599\end{array}$	37,823 29,019 305,099 24,800 1,404	$7,273 \\ 15,435 \\ 62,891 \\ 26,975 \\ 267$	16,090 1,750 6,188 400 6,750	193,964 166,040 711,789 354,116 6,916	2,674,539 5,130,550 20,085,629 4,073,286 341,004	1,488,637 1,775,407 7,890,424 3,229,523 99,693
17 18 19 20 21	1,380,089 255,690 1,506,252 2,764,544	1,368,684 737,788 2,410,528 3,091,797 1,500,709	63,942 4,010 110,493 77,504 59,802	66,992 4,300 88,497 40,838	335, 896 41, 675 912, 986 546, 114 374, 823	19,171 17,003 35,801 32,457 13,711	690, 361 652, 721 1, 147, 132 2, 175, 632 883, 804	10, 369 2 37, 257 23, 831 240	9,950	29 3,170 50	176, 545 16, 500 120, 827 185, 421 131, 522	1,563,951793,4232,749,6283,664,0981,945,217	854,419 123,699 1,566,695 1,456,009 1,047,702
22	2, 510, 704 55, 431	46,714 2,573,416	57,394	624	19,676 1,018,617	766	21,944 1,236,706 4,426,743	1,374 44,966	508 16,778	8,321	1,822 127,471	67,175 3,250,458	44, 465 1, 970, 697
23 24 25	2,973,362 5,452,208 819,755	2,573,410 9,818,839 1,157,636	258,589 31,380	354,435	4, 174, 744	206, 791	4, 426, 743 601, 848	2,400	. 146,099	4,000 349	247, 438 6, 059	9,818,840 1,158,036	5, 185, 306 543, 968
26 27 28 29	10, 880, 880 24, 355, 116 824, 641	3,542,272 18,881,485 1,724,421	61,047 856,382 32,043 123,560	160,613 737,417 69,092	845,103 2,894,964 116,889	690,321	1,219,775 11,567,157 1,404,772 1,404,772	27,099 900	5,276	100,996	407,371 1,897,755 69,936 164,485	3,724,546 22,824,140 1,842,911 3,847,786	$1,671,737 \\10,566,662 \\415,987 \\2,119,058$
29   30	6, 795, 493 5, 313, 927	3,252,288 9,272,563	123,560		1, 119, 593 2, 935, 304		1,674,572 5,014,118	2,302 89,198				9,864,646	4, 788, 273
31 32	2,881,952	4,928,496	152,414	1 173, 527	1,354,698	80,155	2,825,134	61,356 8,523	5,895 2,479	8, 230	317,087	5,927,091 521,100	3,071,802 256,495
33	515,082 2,829,775	485,861 3,543,499	16,282 89,318	99,884	455, 532	38,648	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		16.852	60	402,397	4, 115, 533 3, 230, 247	1, 682, 912 902, 552
34 35	2, 773, 208 8, 514, 054	3,061,061 10,094,358						52,052				11, 113, 644	4, 941, 776
36	6, 598, 245	5,395,697	H .					3,000				5, 526, 721	1,631,021
37 38 39	686,054 1,857,156	711,853 2,831,729 12,377,650	33,910 104,860	0 20,079 0 129,670	627,62	7 7,910	388,573 1,297,428 8,365,481	10,580 24,814 8,117	0 2,498 4 5,130 7 67,523	123,804	. 54,360 634,278 644,681	3, 336, 348	380,806 2,031,010 5,164,141
19 40	17, 823, 899 3, 002, 899	2, 557, 401	- H					1					1,886,485
41	1,660,030	873, 268	34,84			6,410	223,340	1,320	0 2,45	2 5,000	343, 199	953, 798	724,048
42 43	23, 314, 817 30, 228, 611				1	1 980,052	5, 372, 044	47,70 68,20	9 70,47 4 88,81	78,224	999, 319 3, 042, 124	15, 795, 788 28, 365, 377	9, 443, 092 13, 939, 852
44	148,821	111.410	4,00	0 10.009	49.29				2 1,16		5,660	143, 084 133, 504	107, 930 90, 505
45 46 47 48	72, 351 1, 580, 683 7, 398, 293 67, 591	1,620,629 6,973,589	55,53	0 111,78 6 129,020	454,54	8 32,698 8 94,82	3 795,270 5,590,360	22,83	1 3,44 5 22,93	1 35		1,841,107 7,671,859	1,013,133 1,986,072 54,054
-49 -50	321, 495 3, 227, 345	295, 679	0 12,49	8,91	82,79			7 1,15 2 26,90	0 1,94 94 15,82	4 60	0 12,019 75,904	380,037 5,537,678	204,273 976,196
51 52	87,023,313	58, 538, 40	0 2,561,53	36 2,687,68	4 16,921,65		98 582 79	7 321.61	2 291,84	3 852,82	5 4,961,191 9,271	1 1 1 1 1 4 1 6 4	35,458,38
53 54 55	145,871 3,123,229 2,685,130 5,542,270	109,19 3,916,77 3,120,86	5 86,25 6 109,50	4,98 148,83 0 86,89 3 199,55	3 774,33 9 968,65	2 22,79 5 32,15	5 65,20 8 2,708,89 7 1,665,33 4 3,290,83	0 5,30 8 8,79 6 17,02 4 18,72	20 8,07 22 13,00	7 <b>39,7</b> 0 8 92	9 119,020 4 227,36	4,131,100 5 3,613,83	1, 300, 40
56 57 58 59 60	15,666,7617,415,41261,47578,2991,033,635	121,59 244,58	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	45 286,59 00 33 00 <b>1</b> ,00	7 3,340,28 0 56,50 0 67,35	DS [ 1,49	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$50   41,73 \\ 80   18 \\ 44   49 \\ 44   40 \\ 4$	86   88   18	602, 87 1, 82 4, 75	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
61 62	6,37( 224,73	) 5,92 2 330,75	2	36,16	2,50		2 2,05 2 171,67	2 8 4 1,4		27	37 32,97	6 364,78	6 191,41
63 64 65	1 . · · · ·		- 11		2,969,2			5 26.0	86 20,7 43 8,2	32 5,6	470,08           8         81,73           9         172,86	1 8,825,21 3,810,24 5 1,496,55	7 4,713,64 1 1,984,30 5 1,110,4

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

TABLE II.-DETAIL STATEMENT FOR THE

		Num-		1	. PE	RSONS	ENGA	JED IN I	NDUSI	'RY.				EARN OR NE. DAY.				
	INDUSTRY.	ber of estab- lish-		Pro- prie- tors	Sala- ried offi-	. Cle	erks.		W	age earr	iers.		-	16 an	d over.	Und	ler 16,	Pri- mary
		ments	Total.	and firm mem- bers.	cers, supts and man- agers	Male	Fe- male	Aver- age num- ber,	Ma	Nu aximum nonth.		nimum 10nth,	Total.	Male.	Fe- male.	Male	Fe- male.	horse- power.
1	Iron and steel, steel works and rolling mills.	16	5,228		102	401	54	4,671	De	5,773	Му	4,236	5,785	5,749	31	- 5		
2 3 4 5	Jawelry. Kaolin and ground earths Lapidary work. Leather goods	150 12 3 99	4,945 251 14 2,133	168 5 3 96	220 17 63	354 13 124	195 4 1 37	4,008 212 10 1,813	No   Oc	1 11	Au Ja J		4,172 216 11 1,841	3,022 216 9 1,371	2	93	80	29,699 1,231 1,835 10
6 7 8 9 10	Leather, tanned, curried, and finished. Liquors, distilled. Liquors, malt. Liquors, vinous.	86 19 29 33 6	6,040 241 65 2,634 47	71 21 30 3 1	$163 \\ 7 \\ 3 \\ 132 \\ 12$	203 2 369 4	43  5 1	5,560 211 32 2,125 29	De Au Oc Jy Se	5,990	Jy Ja Ja Ja	5, 303 170 15 2, 034 22	6,000 196 64 2,124 30	5,836 195 62 2,112 25	409 61	36 103 1 2 11	25 	990 8,243 342 540 14,082 109
11 12 13 14 15	Lumber and timber products Marble and stone work Matches Mattresses and spring beds Millinery and lace goods	416 131 3 23 179	5,745 1,752 115 600 4,589	438 143 5 26 198	192 64 3 18 72	204 55 4 45 151	54 11 15 48	4,857 1,470 103 496 4,120	De No No Oc	5,212 1,547 125 520 4,285	Ja Ap Au Ja Je	4,658 1,414 57 453 3,971	5,383 1,497 119 493 4,342	5,288 1,496 61 428 905	5 65 58 62 3,243	27 1  3 35	3	15,760 2,756 290 288
16 17	Mirrors. Models and patterns, not including paper patterns.	6 36	187 304	5 49	10 1	12 <sup>`</sup> 1	2 2	158 251	Se Jy	171 280	Fe Au	141 191	165 270	139 267	19	4	159 3	1,380
18 19	Musical instruments and materials, not specified. Musical instruments, pianos and organs	7 • 18	435 1,500	5	13 28	18 33	14 40	385	De	442	Fe	350	442	341	92	5	4	841 335
<b>2</b> 0	Needles, pins, and hooks and eyes	7	586	1	15	9	40	1,393 557	Mh Ap	1,436 581	Au Ja	1, 325 539	1,468 582	1,253 232	204 220	2 113	9 17	1,121
21 22 23 24 25	Oil, not elsewhere specified Oileloth and linoleum Optical goods Paint and varnish. Paper and wood pulp	23 10 10 63 37	765 2, 264 75 2, 143 2, 445	3 6 9 41 11	63 32 4 128 81	224 73 1 397 89	56 30 5 84 41	419 2, 123 56 1, 493 2, 223	Oc Oc Je Ap No	463 2,230 59 1,535 2,344	Au Ap Ap Jy Ja	392 2,035 55 1,434 2,100	440 2, 294 57 1, 467 2, 348	404 2,247 33 1,353 2,148	35 16 20 112 168	1 31 4 2 14		524 1,824 7,819 51 5,924
26 27	Paper goods, not elsewhere specified Patent medicines and compounds and druggists' preparations.	19 111	659 1,424	7 77	34 81	30 184	25 77	563 1,005	No Mh	642 1,077	My Se	507 940	654 1,074	478 552	163 486	14 3 21	18 10 15	22,996 2,132 1,478
28 29 30	Photo-engraving Pottery, terra-cotta, and fire-clay prod- ucts.	10 3 88	73 33 10, 542	4 2 38	8 245	3 3 347	3 97	55 28 9,815	My Sei No	1 58	De Ja 1 Ja	53 25 8,840	55 30 10, 486	42 26 9,192	13 3 1,184	21 1 75	15  35	1,478 70 14 11,817
31 32 33 34 35	Printing and publishing. Rubber goods, not elsewhere specified. Scales and balances. Shipbuilding, including boat building. Signs and advertising novelties	684 36 11 97 17	7,364 4,860 234 5,533 1,327	647 7 7 97 8	301 115 14 190 40	745 362 38 368 134	220 121 5 9 101	5,451 4,255 170 4,869 1,044	No No Mh Ap No	5,732 4,458 194 5,223 1,123	Fe Ja Fe Fe Fe	5,245 4,151 158 4,431 952	5,789 4,477 173 4,881 1,120	4,717 3,846 168 4,879 715	954 554 3 2 380	103 51 2 	15 26	5,636 12,906 144 9,904
36 37	Silk and silk goods, including throw- sters.	348	32, 365	306	518	1,032	224	30, 285	мъ	30, 951	Jy	29,726		13,628		398	15 731	588 22,376
38 39 40	Silverware and plated ware Slaughtering and meat packing Smelting and refining, copper Smelting and refining, not from the ore.	26 84 4 14	1,564 2,420 2,564 1,194	21 93 10	63 81 60 18	97 366 177 101	87 63 5 8	1,296 1,817 2,322 1,057	No Ja De No	1,411 2,056 2,505 1,220	Jy Au Au Au	1,154 1,617 1,808 777	1,372 1,820 2,505 1,193	1,062 1,742 2,505 1,193	273 76	24 2	13 	1,211 3,610 22,320
41 42 43 44 45	Stan packing. Stareotyping and electrotyping Stores and furnaces, including gas and oil stores. Sulphuric, nitric, and mixed acids	21 11 4 8 6	2,301 140 38 893 494	10 2 4 2	57 25 1 28	409 14 1 155	226 11 1 12	1,599 88 31 696	No Mh Jy <sup>1</sup> Mh	1,724 97 32 778	Ja Se Ja <sup>1</sup> Ja	1,387 76 28 334	1, 190 1, 708 112 32 702	1,183 1,184 94 31 701	532 18 1 1 1		8	5,931 2,761 257 46 1,146
46 47 48 49 50 51	Surgical appliances and artificial limbs. Tobacco manufactures. Typewriters and supplies. Wall paper. Wall plaster. Wire. Woolen, worsted, and felt goods, and wool hats. All other industries <sup>2</sup> .	11 462 8 5 7 33 859	1,784 10,610 863 894 203 6,255 13,119	9 482 6 2 28	19 18 220 21 24 12 49 96	33 251 337 57 56 11 462 324		434 1, 412 9, 466 272 782 178 5, 646 12, 652	De Se De	475 1,523 10,248 318 935 211 6,077 13,712	Fo Ja Ja Fo Se Mh Je	395 1,269 9,034 233 658 137 5,392 11,586	452 1,523 10,257 315 935 200 6,077 13,716	452 583 2,538 287 800 200 5,581 6,110	929 7,201 28 121 467 6,984	5 81 14 29 326	6 437  296	1,575 3,188 3,302 512 1,442 977 17,436 20,254
}	<sup>1</sup> Same number reported for one or more		43,855	749 1	,101 2	909	797	38, 299	•••••						•••••			101,150

<sup>1</sup> Same number reported for one or more other months. <sup>2</sup> All other industries embrace—

776

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# STATE, BY INDUSTRIES: 1909-Continued.

=				•		EXPEN	SES.						
\$	Capital.			Services.		Mate	ərials.		Miscell	ancous.		Value of products.	Value added by manu-
	Capitan	Total.	Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other,	-	facture.
1	<b>\$</b> 28, 212, 208	\$11,042,405	\$297,031	<b>\$</b> 385,010	\$2, 823, 436	<b>\$</b> 837,030	\$5,798,010	<b>\$</b> 8,385	<b>\$</b> 54, 357	<b>\$</b> 7,671	\$831, 475	\$12,013,719	<b>\$</b> 5, 378, 679
2 3 4 5	$\substack{11,987,812\\1,183,567\\10,000\\2,755,070}$	$\begin{array}{r} 11,159,770\\ 668,564\\ 8,448\\ 3,765,738\end{array}$	675,094 46,920 164,818	581, 319 16, 410 520 167, 677	2, 536, 937 121, 543 6, 492 919, 929	35,660 46,270 150 19,906	6, 258, 738 368, 393 200 2, 120, 497	128, 567 3, 414 742 50, 944	25,063 5,435 158 11,952	14,869  1,953	903, 523 60, 179 186 308, 062	13, 272, 004 784, 833 15, 000 4, 004, 739	6, 977, 606 370, 170 14, 650 1, 864, 336
6 7 8 9 10	18,847,079 1,002,820 207,863 40,534,894 315,242	25, 477, 049 184, 419 177, 983 16, 257, 738 108, 309	516, 522 12, 250 6, 500 648, 376 12, 707	255,849 1,500 553,987 4,719	3, 473, 174 77, 932 18, 116 1, 836, 218 10, 368	$293,894 \\ 38,258 \\ 4,191 \\ 362,612 \\ 824$	19, 904, 576 34, 677 86, 339 4, 518, 775 58, 977	54,090 497 3,814 84 1,500	64,098 1,522 51,045 3,297,412 1,373	27,228 60 75 36,447	887, 618 17, 723 7, 903 5, 003, 827 17, 841	28, 430, 955 201, 357 213, 085 20, 183, 680 168, 771	8,232,485 128,422 122,555 15,302,293 108,970
11 12 13 14 15	9,562,967 3,117,236 222,644 810,647 4,594,854	11, 672, 195 3, 195, 771 187, 905 1, 200, 972 5, 753, 199	$281,670 \\135,008 \\7,400 \\52,390 \\136,460$	187, 039 61, 468 3, 350 40, 610 184, 793	$2, 631, 468 \\1, 328, 627 \\46, 038 \\235, 681 \\1, 687, 551$	89, 654 85, 790 3, 059 5, 639 63, 520	7, 920, 301 1, 342, 349 111, 768 802, 032 3, 121, 465	52,863 14,192 3,500 9,600 52,161	52, 937 12, 752 1, 690 2, 446 15, 337	59,758 84,463  226,440	397,005 181,122 11,100 52,574 265,472	13, 511, 162 3, 901, 393 215, 890 1, 322, 800 6, 895, 339	5,501,207 2,523,254 101,063 515,129 3,710,354
16 17	520, 285 816, 792	422, 701 346, 859	25,440 1,250	13,370 958	85,133 227,500	6, 826 7, 371	277, 192 84, 834	5,320 6,828	796 1,252	2,260	8,624 14,606	450, 968 444, 702	166, 950 852, 497
18 19	1,032,920 2,019,925	500, 888 2, 141, 486	40, 962 65, 962	13,005 62,605	180, 502 720, 594	5, 114 24, 766	202,957 1,051,307	456 26,700	3,607 7,647	78 24,994	54, 207 156, 911	635, 209 2, 229, 145	427,138 1,153,072
20	704, 828	497, 486	30, 751	6, 602	230, 175	15, 258	168,469	1,090	3, 765	3, 659	37, 717	620, 095	436, 368
21 22 23 24 25	4,762,137 8,109,744 84,372 11,372,234 10,741,820	7,439,549 8,839,919 87,738 11,091,618 7,024,916	229,160 96,003 7,290 460,456 315,768	245, 331 97, 334 3, 674 640, 036 140, 006	$\begin{array}{r} 250,253\\ 1,187,248\\ 26,278\\ 843,924\\ 1,181,485\end{array}$	54, 571 237, 217 849 193, 829 597, 233	6, 141, 816 6, 400, 777 34, 450 8, 032, 144 4, 171, 518	15,435 6,267 36,019 15,900	12,979 32,650 113 49,499 \$5,585	500 4,207 9,300	489, 504 784, 483 8, 817 826, 411 567, 421	7,851,465 10,142,596 114,784 12,766,929 7,554,428	${ \begin{smallmatrix} 1,655,078\\ 8,504,602\\ 79,485\\ 4,540,956\\ 2,786,677 \end{smallmatrix} }$
26 27	2,231,611 8,743,161	2, 416, 916 4, 516, 683	52, 580 256, 884	55, 717 230, 664	276, 820 432, 405	34, 567 55, 643	1, 662, 118 2, 033, 833	81, 473 31, 110	36,681 17,200	1,723	267, 460 1, 457, 221	2, 639, 947 5, 410, 127	943, 262 3, 320, 651
28 29 30	145, 420 29, 845 22, 348, 615	112, 761 39, 086 11, 349, 670	16,706 627,917	3, 504 1, 491 407, 646	32, 843 16, 482 5, 661, 153	2, 405 745 1, 171, 826	41, 033 13, 261 2, 379, 342	2,245 1,910 14,972	1,155 76,337	250 17,385	12, 620 5, 197 993, 092	116, 803 46, 900 13, 139, 000	73, 365 32, 894 9, 587, 832
81 32 33 34 35	13,816,049 15,765,767 657,032 19,175,516 1,451,379	9,775,922 17,197,201 369,753 8,607,459 1,937,607	591, 034 338, 971 42, 413 247, 907 129, 332	718, 342 433, 070 39, 822 355, 316 190, 526	3, 624, 266 2, 300, 053 89, 581 3, 299, 635 574, 412	153, 202 332, 950 6, 214 125, 026 20, 185	3, 318, 949 12, 699, 438 92, 626 4, 124, 250 587, 588	215, 244 38, 050 5, 336 52, 029 14, 255	49, 869 42, 692 1, 652 38, 845 5, 472	198,868 318 54,462 111,468	906, 148 1, 011, 977 91, 791 309, 989 804, 369	12, 332, 700 19, 543, 489 429, 632 8, 840, 515 2, 089, 935	8,860,549 6,511,101 330,792 4,591,239 1,482,162
36	43, 615, 438	59, 576, 339	1,201,586	1,115,270	13, 917, 360	537, 514	32, 727, 663	532,230	145,655	5, 503, 935	3, 895, 126	65, 429, 550	82, 164, 873
37 38 39 40	2,741,424 8,181,551 29,078,109 6,680,662	2, 487, 088 36, 575, 130 121, 338, 717 8, 445, 501	135,275 205,873 215,546 72,743	135,092 426,761 150,619 115,388	828,688 1,286,317 1,334,783 606,031	15,100 166,444 794,454 381,649	1,118,096 33,573,140 118,141,828 6,845,557	60, 159 88, 851 2, 148	5,272 47,405 57,015 29,893	950 68,589	188, 456 711, 750 644, 472 392, 092	3,034,543 37,583,395 125,651,087 9,598,023	1, 901, 347 3, 843, 811 6, 714, 805 2, 370, 817
41 42 43 44	8, 306, 346 323, 695 40, 567 1, 888, 083	11, 796, 074 349, 207 51, 726 1, 566, 801	842,131 87,169 5,000 70,651	538, 739 24, 845 884 181, 933	796, 156 46, 906 28, 244 606, 525	110, 328 7, 784 2, 024 24, 450	6, 973, 838 157, 632 12, 600 549, 815	4,210 5,570 2,108 *1,682	38,504 1,375 45 7,732	29,287	2, 992, 168 68, 426 821 94, 726	13, 673, 942 403, 463 53, 731 1, 687, 834	6,589,776 238,047 39,107 1,113,569
<b>4</b> 5	3, 450, 357	1,631,720	62, 460	42, 682	281, 437	103,622	958, 602		17,045		165, 872	2, 127, 637	1,065,418
46 47 48 49 50 51 52	$\begin{array}{r} 3,902,082\\ 21,104,367\\ 958,708\\ 3,326,315\\ 654,389\\ 21,828,514\\ 36,390,714 \end{array}$	$\begin{array}{c} 2,774,986\\ 20,894,113\\ 651,999\\ 2,563,474\\ 502,485\\ 27,352,436\\ 28,095,452\end{array}$	104,954 407,089 52,879 73,944 32,728 148,741 447,612	350, 267 422, 261 36, 749 79, 286 9, 408 474, 838 437, 315	$542,021 \\3,156,181 \\201,666 \\368,532 \\109,449 \\2,766,951 \\4,964,299$	46,904 103,278 8,219 28,104 10,673 424,705 403,317	$\begin{array}{r} 1,201,815\\ 10,692,996\\ 269,526\\ 1,471,473\\ 321,494\\ 21,873,032\\ 20,629,562\end{array}$	2,568 100,134 7,760 10,417 725 7,715	9,435 3,699,298 2,616 9,278 5,949 36,669 98,267		$517,022 \\ 2,291,597 \\ 72,584 \\ 522,440 \\ 12,059 \\ 1,627,500 \\ 1,065,739 \\ \end{array}$	$\begin{array}{c} 2,990,835\\ 24,177,343\\ 740,117\\ 2,872,424\\ 612,928\\ 28,858,428\\ 33,938,637\end{array}$	$1,742,116\\13,381,069\\462,372\\1,372,847\\280,761\\6,560,691\\12,905,758$
53	185, 957, 269	209, 686, 724		3, 543, 491	21,351,508	6, 397, 129	161, 697, 569	444, 489	737,187	86,496	12, 129, 542	229, 784, 039	61, 689, 341
Lan P Lag Loc Ma Ma Mu Oa Oil Oil Oil	and steel forp relry and instr- cleand tags d, refined, not acking establic is d, bar, pipe, a joundives, not king-glass and t. is and matting heral and soda clags and pass cum castor ottomsed, a sesantial	uistries embrac jugs , wrought ument cases , made in slaug hhments nd sheet made by raikr picture frames waters. te nd cake	htering and	9	Paving me Pencils, let Pens, foun Pens, steel Petroleum Phonograp Pipes, tob) Pulp good Pumps, no Roofing m Safes and Saws Sorews, mi Sewing ma Sholddy Smelting z	terials. ad tain, stylog , refining , hs and grap acco. s , t including, aterials. vaults. achine. , chines, case and refining.	aphic, and go hophones steam pumps s, and attach lead zino goods	id nents		Statuary am. Sugar refinin Toys and ga Type foundi Umbrellas a Upholsterin Vault lights: Winegar and Waste Wheelbarroo Window sha Wirework, h Wood distill rosin Wood presen	art goods ng, not includ mes ng and printi nd canes y materials and ventilato cider ws ws des and fixtu noluding wire lation, not i ving	riage where specified ling beet sugar ing materials pros prope and cable neluding turp	11 2 15 4 4 4 4 4 12 1 2 1 2 1 1 2 1 2 1 3 4 4 4 4 4 2 1 2 1 3 4 1 2 2 1 3 4 1 2 2 2 1 3 4 2 2 2 2 2 2 2 2 2 2 2 2 2

777

# TABLE III.-DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES.

### CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES.

BAYONNE.

					PERSC	NS ENG	AGED	IN INDUS	STRY.			WAGE E OR NEA	ARNERS REST RE		BER DE TATIVE	C. 15, DAY.	0
	INDUSTRY.	Num- ber of estab-		Pro- prie-	Sala- ried offl- cers,	Cler	ks.	(a	Wage ea verage nu	rners 1mber).			16 and	over.	Unde	er 16.	Pri- mary
		lish- ments	Total	tors and firm mem- bers.	super- intend- ents, and man- agers.	Male,	Fe- male.	Total.	16 and Male.	over. Fe- male,	Un- der 16,	Total.	Male.	Fe- male,	Małe.	-	horse- power,
1 2 3 4	All industries Bread and other bakery products Foundry and machine-shop products All other industries <sup>1</sup>	97 17 7 73	<b>8,790</b> 106 1,234 7,450	84 18 10 56	208 15 193	853 2 284 567	126 11 9 106	7,519 75 916 6,528	<b>6,624</b> 74 916 5,634	<b>718</b>  718	177 1 1 176	8,414 81 1,090 7,243	80 1,090	799  799		101  101	

<sup>1</sup>All other industries embrace: Automobiles, including bodies and parts, 1; brass and bronze products, 1; canning and preserving, 1; carriages and wagons and materials, 1; cars and general shop construction and repairs by steam-railroad companies, 1; chemicals, 2; clothing, men's, including shirts, 4; clothing, women's, 3; cooperage and wooden goods, not elsewhere specified, 2; dysing and fluishing textiles, 1; electrical machinery, apparatus, and supplies, 2; engraving and diesiking, 1; fancy articles, not elsewhere specified, 1; furnishing goods, men's, 2; furniture and refrgerators, 1; gas and electric fixtures and lamps and reflectors, 2; hats and caps, other than felt, straw, and wool, 2; instruments, professional and scientific, 1; iron and steel, bolk,

	P 1 .							:									
1	All industries	365	18,709	315	456	1,107	304	16, 527	12, 923	3,142	462	17, 643	13,788	3,375	224	256	29,056
2	Boots and shoes, including cut stock and findings.	10	456	- 13	12	9		422	225	185	12	442	236	194	7	5	99
3 4 5	Bread and other bakery products Foundry and machine-shop products Leather, tanned, curried, and finished	60 25 7	339 1,799 1,171		40 20	$     \begin{array}{r}       5 \\       163 \\       36     \end{array}   $	$ \begin{array}{c} 1 \\ 50 \\ 4 \end{array} $	$272 \\ 1,529 \\ 1,111 $	228 1,508 1,093	37 6	7 15 18	$\begin{array}{c} 281 \\ 1,644 \\ 1,111 \end{array}$	$^{236}_{1,621}_{1,093}$	38 6	17	·····	94 1,408 1,320
6 7 8 9	Lumber and timber products Printing and publishing Shipbulding, including boat building Slaughtering and meat packing	4 35 15 6	150 266 3,682 52	2 32 12 10	11 13 52	8 17 292	$\begin{array}{c}1\\13\\2\\\cdots\end{array}$	128 191 3,324 42	128 167 3,323 37	10 1 4	8 1	132 193 3,457 47	132 169 3,456 42	16 1 4			411 139 6,098 51
10 11 12	Soap Tobacco manufactures Woolen, worsted, and felt goods, and wool hats.	5 25 4	260 582 1,179	24 9	13 16 9	40 7 10	19 3 2	188 532 1, 149	121 63 324	65 414 642	2 55 183	184 604 1,108	118 71 313	64 471 619	2 3 111	59 65	270 293 2, 900
13	All other industries 1	169	8,773	135	270	520	209	7,639	5,708	1,772	161	8,440	6,301	1,962	50	127	15,973

<sup>1</sup> All other industries embrace: Artificial stone, 2; automobiles, including bodies and parts, 1; awnings, tents, and sails, 1; bioyeles, motorcycles, and parts, 1; blacking and cleansing and polishing preparations, 2; bluing, 1; bone, carbon, and lamp black, 1; boxes, fanoy and paper, 2; brass and bronze products, 2; brick and tile, 1; buttos, 1; candles, 1; carpets, rag, 2; cartiages and sleds, children's, 1; carriages and wagons and materials, 5; cars and general shop construction and repairs by steen-railroad companies, 1; chemicals, 4; dothing, men's, including by iteam-files panies, 2; cars and general shop construction and repairs by steen-railroad companies, 1; chemicals, 4; dothing, men's, including ghirts, 2; clothing, women's, 4; coffee and spice, roasting and grinding, 3; coke, 1; confectionery, 8; cooperage and wooden goods, not elsewhere specified, 2; copper, tin, and sheet-iron products, 10; cork, cutting; 1; cotton goods, including cotton small wares, 1; drug grinding, 1; dyeing and finishing textiles, 1; dyestuffs and extracts, 1; electrical machinery, appratus, and electro fixtures and lamps and reflectors, 1; gas, illuminating and heating, 2; glass cutting, staining, and ornamenting, 3; glucose and starch, 1; hair work, 1; hat and cap materials, 1;

Е	L	I	Z	A	в	16	т	н,	

1	All industries	163	13,670	132	221	472	108	12,737	11,291	1,408	38	13,260	11,757	1,466	9	28	20, 124
2 3 4 5 6 7	Bread and other bakery products Foundry and machine-shop products Leather, tanned, curried, and finished Oil, not elsewhere specified Printing and publishing All other industries <sup>1</sup> .	31 18 3 5 9 97	$142 \\ 1,095 \\ 207 \\ 76 \\ 548 \\ 11,602$	13 6 1. 7	34 4 15 7 161	$114 \\ 1 \\ 16 \\ 46 \\ 295$	18 3 1 9 77	111- 916 193 43 479 10,995	100 916 176 43 380 9,676	9 17 96 1,286	2  3 33	113 1,028 198 54 555 11,312	$102 \\ 1,028 \\ 181 \\ 54 \\ 440 \\ 9,952$	9 17 111 1,329	1 A	·····	225 425 661

<sup>1</sup> All other industries embrace: Artificial stone, 1; artists' materials, 1; automobiles, including bodies and parts, 1; awnings, tents, and sails, 1; carpets, rag, 1; cardages and wagons and materials, 14; cars and general shop construction and repairs by steam-railroad companies, 1; chemicals, 5; clothing, men's, including shirts, 3; coopeage and wooden goods, not elsewhere specified, 1; corp.r, tin, and sheet-iron products, 1; outlery and tools, not elsewhere specified, 2; dairymen's, poulterers', and aplatis's supplies, 1; electrical machinery, apparatus, and supplies, 1; fortilizers, 1; files, 1; flavoring extracts, 1; food preparations, 2; foundry supplies, 1; gas and electric fixtures and lamps and reflectors, 1; gas, illuminating and heating, 1; hosiery and knit goods, 1; ice, manufactured, 2; kaolin and ground earths, 2; lead, bar, pipe, and sheet, 1;

	the second se		·														
1	All industries	244	9,339	206	800	609	124	8,100	5,919	1,938	243	8, 423	6, 199	1,978	108	138 11,1	108
2 3 4 5 6	Bread and other bakery products Copper, tin, and sheet-iron products Foundry and machine-shop products Furniture and refrigerators Leather goods	23	492 132 957 676 274	36 4 9 4 1	7 10 43 11 10	20 7 46 33 17	8 3 4 12 8	421 108 855 616 243	411 107 854 595 92	8 1 19 118	2 2 33	415 131 977 655 244	405 130 976 633 93		$\begin{array}{c} 2 \\ \cdots \\ 2 \\ 10 \end{array}$	1,1	235 90 101 625 190
7 8 9 10	Lumber and timber products. Printing and publishing. Silk and silk goods, including throwsters All other industries <sup>1</sup>	- 17	150 344 339 5,975		8 9 8 194	5 72 9 400	3 12 3 76	$128 \\ 234 \\ 318 \\ 5,177$	128 203 117 3,412	30 187 1, 574	1 14 191	134 223 296 5,348	134 104 109 3,525	28 174 1,628		13	293 235 133 186

<sup>1</sup> All other industries embrace: Artists' materials, 1; automobiles, including bodies and parts, 2; awnings, tents, and sails, 3; baking powders and yeast, 1; baskes, and rattan and willow ware, 1; blacking and cleansing and polishing preparations, 2; boxes, fancy and paper, 2; brass and bronze products, 5; buttons, 1; canning and preserving, 1: card cutting and designing, 1; carriages and wagons and materials, 6; cars and general shop construction and repairs by street-railroad companies, 1; toking, men's, including shirts, 2; clothing, women's, 9; collins, burial cases, and undertakers' goods, 1; confectionery, 2; cooperage and wooden goods, not elsewhere specified, 3; dyeing and finishing textiles, 4; elostrial machinery, apparatus, and super, 2; jass, bailes, 2; fancy articles, not elsewhere specified, 3; fags, banners, regalia, society badges, and emblems, 1; food preparations, 2; gas and electric fixtures and lamps and reflectors, 1; gas, illuminating and heating, 2; glass, cutting, staining, and ornamenting, 1; hats, fur-fielt, 2; hats, straw, 1; ice, manufactured, 1; ink, printing, 1; instruments, professional and scientific, 1;

# HOBOKEN.

CAMDEN.

# AND TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909.

## CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES.

### BAYONNE,

-			. <u>.</u> *			EXPENS	ES.						
	Capital.			Services.	*	Mat	erials.		Miscel	laneous.		Value of products.	Value added by
	Capitan	Total.	Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue,	Contract work.	Other.	products.	manu- facture.
1	\$62, 280, 685	\$69, 354, 728	\$698, 827	\$1,063,354	\$4, 775, 257	\$1, 847, 597	\$57, 084, 944	\$39,759	\$350, 815	\$503, 400	\$2, 990, 775	\$73, 640, 900	\$14,708,359
2 3 4	159, 100 10, 648, 619 51, 472, 966	282, 605 3, 506, 380 65, 565, 743	82,350 616,471	4,796 369,325 689,233	57,919 635,665 4,081,673	6,730 82,094 1,758,773	200,006 1,559,508 55,325,342	2,657 6,447 30,655	$1,362 \\ 21,392 \\ 328,061$	472, 220 31, 180	9,135 277,285 2,704,355	339,660 4,155,110 69,146,130	182,924 2,513,420 12,062,015

nuts, washers, and rivets not made in steel works or rolling mills, 1; kaolin and ground earths, 1; lumber and timber products, 4; mattresses and spring beds, 1; millinery and hee goods, 1; minoral and soda waters, 3; models and patterns, not including paper patterns, 1; oil, essential, 1; oil, not elsewhere specified, 1; paint and varnish, 1; patent medicines and compounds and druggists' preparations, 1; petroleum, rofining, 3; printing and publishing, 5; shipbuilding, including boat building, 3; silk and silk goods, including throwsters, 1; smelting and refining, not from the ore, 1; sonp, 1; steam packing, 1; sulphuric, nitric, and mixed acids, 2; tobacco manufactures, 4; upholstering materials, 1.

### OAMDEN.

1	\$49, 158, 308	\$42, 679, 240	\$1,237,179	\$1,169,309	\$8,606,648	\$1,680,226	\$25, 703, 574	\$269, 414	\$224,630	<b>\$1</b> 38, 187	<b>\$</b> 3, 650, 073	\$49, 137, 874	\$21, 754, 074
2	382, 120	747,063	13,440	8,984	214,721	3, 409	493, 569	1,120	841	4,043	7,836	844, 821	347,843
3 4 5	398,296 4,538,084 3,461,007	645, 610 3, 873, 361 5, 330, 735	80,923 93,723	3,560 161,424 35,251	154,094 909,724 612,169	15,708 87,079 39,974	436,816 2,319,424 4,229,682	7,808 11,207 1,824	2, 543 11, 609 5, 193	2,228 6,166	22, 853 285, 805 812, 919	762, 271 3, 948, 106 5, 920, 238	309,747 1,541,603 1,650,582
6 7 8 9	177, 022 356, 506 14, 123, 528 147, 268	342,577 270,063 5,713,324 729,582	10,058 20,330 153,767	7,267 17,152 287,501	$79,279 \\ 104,676 \\ 2,046,874 \\ 32,280$	529 5,423 91,547 1,344	235,621 84,290 8,008,529 692,098	6, 503 7, 725 3, 945	1,000 934 8,349 1,141	10,060	2, 320 19, 273 112, 812 2, 719	362, 493 349, 877 5, 625, 597 763, 409	126, 343 260, 104 2, 525, 521 69, 967
10 11 12	951, 192 270, 008 3, 247, 965	1,096,767 549,331 3,262,617	75,817 21,132 49,900	69,688 6,985 13,099	79, 439 135, 194 354, 690	12,767 1,465 31,523	709, 932 256, 947 2, 672, 121	100 5,152 375	5,206 60,161 7,044	27,666	143, 818 62, 295 106, 199	$1,264,579 \\ 660,691 \\ 3,608,131$	541, 880 402, 279 904, 487
13	21, 105, 312	20, 117, 310	718,089	558,398	3,883,308	1, 389, 458	10, 564, 545	223, 655	120,609	88,024	2, 571, 224	25,027,661	13,073,658

hosiery and knit goods, 1; house-furnishing goods, not elsewhere specified, 1; ice, manufactured, 3; instruments, professional and scientific, 1; iron and steel forgings, 2; kaolin and ground earths, 1; leather goods, 2; lime, 1; liquors, mait, 2; marble and stone work, 3; millinery and lace goods, 5; mineral and soda waters, 12; models and patterns, not including paper patterns, 3; musical instruments and materials, not specified, 2; olicloth and linoleum, 2; paint and varnish, 6; paper and wood pulp, 1; paper goods, not elsewhere specified, 5; patent medicines and compounds and druggists preparations, 6; pens, steel, 2; phonographs and graphohones, 1; phofo-engraving, 1; pipes, tobacco, 1; pottery, ferra-coita, and free-clay products, 1; roofing materials, 1; scales and balances, 1; sewing machines, cases, and attachments, 1; show cases, 1; silk and silk goods, including throwsters, 2; smelting and refining, not from the ore, 1; steam packing, 2; stereotyping and electrotyping, 1; surgical appliances and artificial limbs, 1; toys and games, 1; umbrelias and cames, 1; window shades and fixtures, 1; wool scouring, 1.

### ELIZABETH.

10 a

1	<b>\$26,</b> 773, 807	\$26, 560, 257	\$522,081	\$530, 263	\$7, 512, 717	\$491,085	\$15,937,484	\$74, 252	\$371, 543	\$11,049	\$1, 109, 783	\$29,147,334	\$12, 718, 765
2 3 4 5 6 7	$194,136\\2,490,096\\741,822\\552,755\\2,305,975\\20,483,023$	262, 641 2, 017, 912 828, 351 948, 539 757, 980 21, 744, 834	9,300 39,988	$129,547 \\ 2,548 \\ 12,924 \\ 59,583 \\ 325,661$	$\begin{array}{r} 69,138\\ 603,933\\ 84,860\\ 29,410\\ 406,238\\ 6,319,132\end{array}$	$\begin{array}{r}9,154\\32,256\\8,419\\7,637\\9,726\\423,893\end{array}$	$173,276\\963,578\\704,415789,080\\155,814\\13,151,321$	$\begin{array}{r} 4,522\\ 13,214\\ 2,750\\ 5,400\\ 14,125\\ 34,241\end{array}$	$1,652 \\ 14,907 \\ 1,172 \\ 1,402 \\ 2,673 \\ 349,737$		4, 785 175, 337 14, 827 02, 192 91, 025 761, 617	$\begin{array}{r} 347,115\\ 1,877,113\\ 991,312\\ 1,004,767\\ 866,725\\ 24,000,302 \end{array}$	164,685 881,279 278,478 208,050 701,185 10,485,088

leather goods, 3; liquors, malt, 2; lumber and timber products, 4; marble and stone work, 1; mattresses and spring beds, 2; mineral and soda waters, 3; models and patterns, not including paper patterns, 2; patent medicines and compounds and druggists' preparations, 2; pottery, terra-cotta, and fire-clay products, 1; rubber goods, not elsewhere specified, 1; sewing machines, cases, and attachments, 1; shipbuilding, including boat building, 1; show cases, 1; silvetware and plated ware, 1; slaughtering and meat packing, 1; stationery goods, not elsewhere specified, 1; suphuric, nitric, and mixed acids, 1; tobacco manufactures, 17; toys and games, 1; umbrelias and canes, 1; upholstering materials, 1; wire, 1.

### HOBOKEN.

1	\$19, 898, 095	\$17,735,572	\$674, 816	\$690, 168	\$4, 552, 912	\$397,609	\$9, 071, 499	\$543,065	\$105,342	\$265,749	\$1, 434, 412	\$20, 413, 015	\$10, 943, 907
2 3 4 5 6	$\begin{array}{r} 419,745\\113,711\\1,843,080\\1,064,378\\216,410\end{array}$	$\substack{1,282,830\\206,796\\1,597,387\\1,110,409\\517,644}$	17,280 110,236	15,8886,30243,09646,03334,813	321,351 105,420 557,813 333,691 112,303	21, 234 3, 429 27, 784 7, 072 2, 336	$\begin{array}{r} 851,316\\ 122,156\\ 554,250\\ 549,488\\ 302,068 \end{array}$	19,9155,08039,0854,5001,200	3,445 295 16,672 4,936 1,491	700 147,100	42, 381 6, 134 101, 351 124, 489 25, 673	1,410,102301,0361,807,5191,314,102506,700	$537, 552 \\ 175, 451 \\ 1, 225, 485 \\ 756, 942 \\ 202, 296$
7 8 9 10	241,887440,137470,99415,087,753	397, 401 501, 543 629, 440 11, 432, 122	$11,084 \\ 27,840 \\ 18,660 \\ 405,056$	5, 208 80, 056 8, 950 449, 822	99,085 105,274 143,121 2,713,954	$\begin{array}{r} 4,285\\ 6,070\\ 6,248\\ 318,551\end{array}$	$\begin{array}{r} 222,418\\179,846\\391,089\\5,898,868\end{array}$	5,400 6,909 9,756 451,220	$\substack{1,170\\1,387\\1,104\\74,842}$	5,717 3,350 45,950 62,932	42, 134 80, 811 4, 562 1, 056, 877	441, 656 577, 070 708, 471 13, 348, 359	214,953 391,154 309,134 7,130,940

leather, tanned, curried, and finished, 1; liquors, distilled, 1; looking-glass and picture frames, 1; marble and stone work, 3; mattresses and spring beds, 2; millinery and lace goods, 4; mineral and soda waters, 6; mirrors, 1; moving pictures, 1; needles, pins, and hooks and eyes, 1; paint and varnish, 3; paper and wood pulp, 2; paper goods, not elsewhere speedled, 1; patent medicines and compounds and druggists' preparations, 8; pencils, lead, 1; shipbuilding, including boat building, 3; signs and advertising noveities, 1; slaughtering and meat packing, 3; smelting and refining, not from the ore, 1; soap, 1; soda-water apparatus, 1; sporting and athletic goods, 1; stationery goods, not elsewhere specified, 1; statuary and art goods, 1; surgleal appliances and artificial limbs, 1; tobacco manufactures, 21; toys and games, 1; wall paper, 1; wheelbarrows, 1; wood, turned and carved, 1. 

# TABLE III.-DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES, AND

### CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued.

JERSEY CITY.

	· · · · ·				PERSC	ONS ENG	AGED	IN INDUS	STRY,			WAGE E OR NEA	ARNERS REST RE	NUMI PRESEN	BER DE TATIVE	C. 15, DAY.	
	INDUSTRY.	Num- ber of estab-		Pro- prie-	Sala- ried offi- cers,	Cler	ks.	ی (a	Wage ea verage n	umber).			16 and	over.	Und	er 16.	Pri- mary
		lish- ments	Total.	tors and firm	super- intend- ents.		Fe-		16 and	over.	Un-	Total.					horse- power.
I				mem- bers.	and man- agers.	Male.	male.	Total.	Male.	Fe- male.	der 16.		Male.	Fe- male.	Male.	Fe- male.	
1	All industries	745	30, 239	614	966	2, 548	657	25,454	18, 140	6, 866	448	26,721	18, 861	7,394	171	295	35,917
2 3 4 5	Boxes, fancy and paper. Brass and bronze products. Bread and other bakery products. Cars and general shop construction and re- pairs by steam-railroad companies.	5 9 113 4	589 400 757 2,106	3 5 117	11 19 8 119	16 34 68 162	2 2 30 7	557 340 534 1,818	139 335 501 1,766	376 32 52	42 5 1 	563 424 547 1,870	141 418 518 1,817	380 83 53	5 6 1	37	194 550 221 927
6	Chemicals	5	244		16	29	4	195	187	6	2	200	192	6	2		657
7 8	Confectionery Cooperage and wooden goods, not elsewhore	7 6	389 232	23	18 19	30 5	11 3	328 202	156 200	172 2		347 217	165 215	182 2			493 205
9 10	specified. Copper, tin, and sheet-iron products Electrical machinery, apparatus, and sup- plies.	28 10	436 663	24 6	29 37	28 · 24	15 11	340 585	336 423	3 162	1	372 633	368 461	8 172	1		478 522
11 12 13 14	Foundry and machine-shop products Leather goods Lumber and timber products Millinery and lace goods	49 10 20 34	<b>2,119</b> 571 671 730	27 11 19 43	83 5 19 15	206 13 41 26	13 6 6 21	$1,790 \\ 536 \\ 586 \\ 625$	1,785 387 582 156	1 149 460	4 4 9	1,731 566 650 649	1,726 409 646 162	1 157 478	4	9	2,630 124 1,053 269
15 16 17	Paint and varnish. Paper and wood pulp Patent medicines and compounds and druggists' preparations.	6 4 13	156 171 142	2 7	12 10 16	38 2 26	7 2 17	97 157 76	84 143 36	13 14 40		98 154 91	85 140 43	13 14 48			410 1,250 185
18 19 20 21 22	Thinking and publishing. Silk and silk goods, including throwsters Slaughtering and meat packing. Tobacco manufactures. All other industries <sup>1</sup>	48 7 20 51 296	648 1,093 1,124 2,814 14,184	35 6 13 50 241	25 6 37 82 380	94 28 186 83 1,409	28 5 32 22 413	466 1,048 856 2,577 11,741	393 486 788 768 8,489	67 541 67 1,750 2,959	6 21 1 59 293	482 1,069 805 3,096 12,157	407 496 741 922 8,794	69 552 63 2, 102 3, 066	6  1 135	21 66 162	642 780 945 1,479 21,703

<sup>1</sup> All other industries embrace: Artificial flowers and feathers and plumes, 3; artificial stone, 3; automobiles, including bodies and parts, 2; awnings, tonts, and sails, 2; ake grease, 1; bags, other than paper, 1; baking powders and yreast, 1; belting and hoses, leather, 1; belting and hose, woven and rubber, 3; billiard tables and materials, 1; blacking and cleansing and polishing preparations, 4; boots and shoes, including cut stock and findings, 2; brushes, 3; buttons, 2; canning and preserving, 4; carpets and rugs, other than rag, 1; carriages and wagons and materials, 2; chocolate and coccoa products, 2; clocks and watches, including cases and materials, 1; blacking, men's, including stirts, 2; clothing, women's, 7; coffee and spice, roasting and grinding, 2; coffins, burnal cases, and undertakers' goods, 1; cordage and materials, 1; cotton goods, including cotton small wares, 1; cutilers and undertakers' goods, not elsewherespecified, 4; deirymen's, poulterers' and aplarists' supplies, 1; drug grinding, 1; dyeing and finishing taxtiles, 7; flavoring extracts, 2; electropiting, 2; coffies, and extracts, 2; electropities, 1; cottor geosd, 1; fortierers, 1; flavoring extracts, 2; flags, banners, regalia, society badges, and embras, 1; flour-mill and gristmill products, 1; food preparations, 8; foundry supplies, 1; fur goods, 2; furnishing goods, men's, 2; furniture and refrigerators, 8; fours, 4; glavanizing, 2; gas and electric fixtures and famps and reflectors, 6; gas, illuminating and heating, 4; glass, cutting, staining, and ornamenting, 2; gloves' and

1	All industries	1,858	69, 986	1,704	2, 160	4, 548	1, 619	59,955	42, 877	15,328	1, 750	63, 981	45,761	16, 370	954	896	78, 263
2	Boots and shoes, including cut stock and findings.	12	1,585	8	27	71	30	1,449	1,016	377	56	1,458	1,022	379	31	26	490
34 56	Boxes, fancy and paper. Brass and bronze products. Bread and other bakery products. Buttons.	13 22 205 30	661 304 1,357 1,608	10 18 204 31	15 20 36 38	8 18 61 22	8 7 30 20	620 241 1,026 1,499	144 225 968 1,016	430 11 56 418	46 5 2 65	673 278 1,059 1,552	157 259 999 1,052	466 13 58 433	7 6 1 28	43 1 39	301 264 566 786
7 8 9	Carriages and wagons and materials Chemicals. Clocks and watches, including cases and materials.	39 9 6	394 1,795 586	48 3 1	13 48 17	9 171 16	9 10	324 1,564 542	323 1,215 450	302 71	1 47 21	315 1,535 529	314 1,192 439	297 70	1 12 16	 34 4	277 4,455 363
10 11	Clothing, men's, including shirts Clothing, women's	73 30	2,177 2,615	91 30	27 29	47 65	16 171	1, 996 2, 320	1,004 155	958 2,035	34 130	2,084 2,405	1,048 161	1,001 2,110	15 6	20 128	285 382
12 13 14 15	Confectionery Copper, tin, and sheet-iron products Cullery and tools, not elsewhere specified Electrical machinery, apparatus, and sup- nlies.	16 43 39 21	471 2,883 1,759 3,346	17 35 38 6	16 65 28 72	36 93 90 317	21 27 27 131	381 2,663 1,576 2,820	154 1,976 1,402 1,805	224 527 139 1,012	3 160 35 3	364 2,939 1,612 3,374	147 2, 180 1, 435 2, 159	214 583 141 1,210	107 33 2	3 69 3 3	252 1,257 1,616 2,508
16	Fancy articles, not elsewhere specified	14	372	19	11	22	37	283	221	.51	11	290	227	52	11		251
17 18 19 20 21	Foundry and machine-shop products Hats, fur-felt. Jewelry. Leather goods. Leather, tanned, curried, and finished	$168 \\ 35 \\ 145 \\ 46 \\ 63 \\ 31 \\ 63 \\ 31 \\ 32 \\ 63 \\ 31 \\ 31 \\ 31 \\ 31 \\ 31 \\ 31 \\ 31$	7,585 2,384 4,777 865 4,149	121 47 162 43 51	266 51 218 42 127	405 112 353 71 145	126 16 195 22 32	6, 607 2, 158 3, 849 687 3, 794	6,167 1,601 2,752 578 3,703	400 514 939 85 23	$100 \\ 43 \\ 158 \\ 24 \\ 68$	7,030 2,747 4,012 689 4,192	6,502 2,040 2,870 580 4,091	422 653 977 85 26	88 20 85 23 75	18 34 80 1	8,923 2,553 1,214 505 6,786
22 23 24 25 26	Liquors, malt. Lumber and timber products. Marble and stone work. Mattresses and spring beds. Millinery and lace goods.	14 26 23 7 9	1,540 829 333 323 269	14 31 10 13	68 41 18 7 4	238 35 11 25 9	5 8 2 11 2	1,229 731 271 270 241	1,228 680 271 260 48	49  10 169	1 2 24	$1,250 \\ 730 \\ 334 \\ 269 \\ 207$	$\begin{array}{c c}1,249\\679\\334\\259\\53\end{array}$	49 10 187	1	2  27	8,319 1,413 696 113 98

### NEWARK.

780

# TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909-Continued.

## CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued.

# JERSEY CITY.

						EXPENS	25.						
	Capital.			Services.		Mat	erials.		Miscel	laneous.		Value of	Value added by
	Capiton	Total.	Officials.	Cierks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	products.	manu- faoture.
1	\$79, 793, 932	\$120, 141, 941	\$2, 276, 070	\$2, 772, 563	\$13, 215, 567	\$1, 898, 618	\$87, 418, 609	\$1, 674, 572	\$2, 749, 469	\$657,216	\$7, 479, 257	\$128, 774, 978	\$39, 457, 751
2 3 4 5	364, 663 1,277, 322 953, 751 404, 708	468, 479 1, 943, 879 2, 137, 109 2, 539, 435	27, 340 74, 038 12, 970 87, 373	14,768 38,484 61,854 103,219	$166,093 \\185,102 \\386,590 \\1,044,310$	4,794 23,443 41,923 57,317	$\begin{array}{r} 233,423\\ 1,553,863\\ 1,489,373\\ 1,216,053\end{array}$	1,800 3,021 39,419	2,885 6,946 10,733 5,235	2,900 955	14, 476 58, 982 93, 792 25, 928	526, 644 2, 180, 089 2, 485, 417 2, 539, 435	288,427 602,783 954,121 1,266,065
6	1,300,965	1, 396, 843	75, 305	28, 879	124, 986	46, 589	1,020,720	1,920	5,710	11,431	81,353	1, 625, 511	558,202
78	665, 274 423, 806	1,105,917 516,147	26, 300 30, 380	20, 519 5, 222	145, 802 98, 823	13, 205 3, 385	825,477 347,570	11,337 4,200	2,925 2,825		$\begin{array}{c} 60,352\\ 23,742 \end{array}$	1,150,571 546,653	211, 889 195, 698
9 10	861,990 932,528	$1,121,744 \\ 1,132,863$	46, 891 59, 035	26, 956 26, 112	240, 864 292, 850	9,168 16,387	722, 941 579, 411	8,520 5,858	4,191 4,099		62,213 149,111	$1,283,634 \\ 1,253,122$	551, 525 657, 324
11 12 13 14	5,783,655 591,593 1,394,780 799,714	4,120,194 977,357 1,398,197 909,840	191, 109 38, 920 36, 600 22, 010	205, 399 26, 233 43, 628 36, 620	$\substack{\substack{1,235,374\\228,452\\329,222\\269,192}$	65, 402 2, 217 6, 962 13, 664	1,876,188 572,708 928,819 490,704		17,848 2,257 7,933 2,682	184,942 9,357 13,860	282, 337 104, 870 29, 109 48, 576	4,699,895 986,232 1,619,002 1,085,418	2, 758, 305 411, 307 683, 221 581, 050
15 16 17	571,120 566,623 361,893	746,238 410,866 835,115	37, 485 32, 608 33, 453	40, 425 3, 368 42, 591	62, 549 90, 337 39, 932	5, 424 31, 662 3, 459	550,960 210,684 137,548	1,300 6,000 4,860	2,139 3,323 2,436	9,000 1,500	36, 956 32, 884 69, 336	881, 867 462, 205 478, 959	325, 483 219, 859 337, 952
18 19 20 21 22	$\begin{array}{c} 1,166,394\\ 1,199,724\\ 4,250,453\\ 4,959,229\\ 50,903,747 \end{array}$	$\begin{array}{c} 1,010,860\\ 1,921,801\\ 22,081,595\\ 9,975,513\\ 63,891,859\end{array}$	72,280 26,180 99,867 134,490 1,111,424	88,924 27,869 251,539 88,158 1,592,296	204, 549 550, 204 592, 576 943, 048 5, 894, 762	13, 439 15, 833 74, 498 62, 785 1, 387, 062	443, 681 986, 496 20, 462, 929 5, 822, 946 46, 946, 115	$15,469 \\ 5,640 \\ 45,085 \\ 22,201 \\ 1,415,554$	5,822 5,137 25,802 2,124,780 503,761	9,208 203,500 68,551 19,467 122,545	67,488 101,032 460,748 757,632 4,918,340	$\begin{array}{r} 1, 193, 302\\ 2, 071, 206\\ 22, 313, 974\\ 11, 064, 778\\ 68, 326, 974\end{array}$	736, 182 1, 068, 967 1, 776, 547 5, 179, 047 19, 993, 797

mittens, leather, 4; gold and silver, leaf and foil, 7; grease and tallow, 1; hair work, 1; hats and caps, other than felt, straw, and wool, 2; hosiery and knit goods, 5; ink, printing, 1; ink, writing, 2; iron and steel, steel works and rolling mills, 2; iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills; 1; iron and steel forgings, 1; jewelry, 1; jewelry and instrument cases, 3; leather, tanned, curried, and finished, 2; liquors, distilled, 2; liquors, math, 2; looking-glass and pleture frames, 1; marble and stone work, 11; mattresses and spring beds, 3; mineral and soda waters, 16; mirrors, 1; models and patterns, not including paper patterns, 5; musical instruments, pianos and organs and materials, 2; oakum, 1; oil, castor, 1; o

NEWARK.

'1	\$154, 232, 686	\$181, 530, 641	\$5,959,917	\$5, 817, 426	\$33,075,595	\$2, 807, 267	\$111, 872, 141	\$2, 820, 060	\$3, 010, 478	\$616, 463	\$15, 551, 294	<b>\$</b> 202, 511, 520	\$87, 832, 112
2	1,504,928	2,754,100	75, 335	98,651	704, 438	10, 461	1, 662, 391	15,876	3, 517		183, 431	2,900,697	1,227,845
3 4 5 6	293, 958 312, 979 1, 646, 096 1, 018, 489	537,021 541,576 3,908,453 1,711,174	23, 576 30, 393 90, 080 95, 550	11,081 16,794 72,518 26,930	186,729 138,992 737,599 624,612	$\begin{array}{r} 4,742 \\ 11,180 \\ 87,970 \\ 23,696 \end{array}$	255, 814 309, 943 2, 623, 326 832, 497	17,018 7,282 91,534 29,357	$1,141 \\ 1,086 \\ 12,896 \\ 2,574$	50 120 3,170	36, 870 25, 906 192, 410 72, 788	648, 232 611, 428 4, 627, 010 1, 906, 836	387,676 290,305 1,915,714 1,050,643
7 8 9	687,602 6,629,087 1,762,817	477,353 4,128,893 1,036,311	21, 050 199, 536 53, 560	6,064 186,478 18,052	204, 426 823, 185 323, 507	9, 431 169, 495 12, 592	204, 549 2, 234, 010 580, 496	12,376 7,413 2,302	3,761 35,823 3,724	1, 135 72, 532	14, 561 400, 421 44, 078	598, 915 4, 805, 295 1, 179, 158	384,935 2,401,790 586,070
10 11	1,131,020 1,739,171	2, 198, 865 2, 813, 969	44,776 87,834	50, 567 123, 698	997,846 767,032	17, 222 10, 346	784, 463 1, 558, 489	66,338 48,005	9,432 3,057	86,759	141, 462 215, 508	2, 473, 483 3, 349, 187	1,671,798 1,780,352
12 13 14 15	$\substack{1,327,876\\3,611,797\\2,161,769\\7,432,789}$	$\begin{array}{r} 1,317,505\\3,729,769\\1,821,713\\4,648,049 \end{array}$	33, 259 158, 582 74, 495 213, 434	30, 376 122, 892 117, 886 445, 042	131, 464 1, 424, 232 755, 623 1, 515, 668	9, 855 52, 374 43, 034 54, 061	827,115 1,747,143 603,079 1,428,179	12,450 21,291 15,443 15,103	10, 583 12, 169 9, 482 15, 766	5,110	256, 403 185, 976 202, 671 960, 796	1, 634, 928 4, 165, 653 2, 081, 125 5, 617, 326	797, 958 2, 366, 136 1, 435, 012 4, 135, 086
16	368, 523	376, 447	23,905	28,026	136, 998	8,154	146, 716	7,976	1,259	, 203	23, 210	438, 606	283,736
17 18 19 20 21	13, 136, 490 2, 176, 421 11, 937, 304 1, 304, 343 12, 837, 341	$\begin{array}{r} 13,863,588\\ 3,997,494\\ 11,066,405\\ 1,493,836\\ 17,112,810 \end{array}$	867, 627 93, 010 672, 594 71, 152 380, 947	508, 247 102, 923 579, 819 62, 374 185, 510	4,227,919 1,419,337 2,510,625 382,218 2,503,968	258, 395 80, 930 34, 484 11, 860 219, 103	6,402,232 1,992,911 6,205,335 847,377 13,197,069	101, 823 12, 018 126, 563 30, 282 35, 000	49, 201 10, 345 25, 050 6, 320 50, 679	17,679 96,720 13,569 1,607 27,228	1, 430, 465 189, 294 898, 366 80, 646 513, 306	$\begin{array}{r} 15, 481, 898 \\ 4, 433, 132 \\ 13, 152, 340 \\ 1, 665, 657 \\ 18, 858, 046 \end{array}$	$\begin{array}{r} 8,821,271\\ 2,359,201\\ 6,912,521\\ 806,420\\ 5,441,874 \end{array}$
22 23 24 25 26	19,928,449 1,328,766 712,555 379,002 214,950	10,019,180 1,613,558 725,998 629,985 361,133	379, 256 58, 316 34, 820 24, 130 4, 390	334,866 27,515 12,031 19,748 8,102	$\begin{array}{r} 1,040,671\\ 345,827\\ 249,699\\ 131,423\\ 103,699 \end{array}$	182, 430 12, 095 7, 673 1, 842 2, 012	2,616,716 1,064,131 314,171 435,602 198,859	12,015 7,586 5,568 3,528	1,951,357 8,709 3,196 256 1,474	26,632 37,964	3, 513, 884 58, 318 58, 858 11, 416 39, 069	$\begin{array}{c} 12,361,455\\ 1,916,178\\ 833,583\\ 664,404\\ 404,267\end{array}$	9, 562, 309 839, 952 511, 739 226, 960 203, 396

# TABLE III.-DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES, AND OITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued.

NEWARK-Continued.

					PERSC	ONS EN	GAGED	IN INDU	STRY.			WAGE OR NEA	EARNER AREST RI	S-NUM	BER DE	D. 15, DAY,	
	INDUSTRY.	Num- ber of estab-		Pro- prie-	Sala- ried offi- cers.	Cle	cks.	(8	Wage ea average n	umber).			1	d over.	Unde		Pri-
		lish- ments	Total.	tors and firm mem- bers,	super- intend- ents, and man- agers.	Male.	Fe- male.	Total.	16 and Male.	over. Fe- male.	Un- der 16.	Total.	Male,	Fe- male.		Fe- male,	mary horse- power,
27 28 29 30 31 32 33 34	Oil, not elsewhere specified	5 25 33 113 4 13 101 451	217 1,033 244 2,180 109 355 1,735 19,086	6 20 120 2 12 106 387	20 72 27 79 79 25 619	50 284 38 257 13 30 66 1,360	18 58 21 56 2 16 13 472	129 613 138 1,668 145 288 1,525 16,248	123 569 96 1,285 65 287 366 10,724	6 44 42 365 77 1,103 4,890	18 3 56 634	132 596 173 1,821 158 301 1,027 17,186	126 553 120 1,402 71 300 390 11,351	6 43 53 399 84 1,176 5,172	17 10 359	•••••	172 2,548 184 1,307 470 687 175 28,047

<sup>1</sup> All other industries embrace: Artificial flowers and feathers and plumes, 1; artificial stome, 1; artists' materials, 1; automobiles, including bodies and parts, 6: awnings, tents, and sails, 3; axie grease, 1; babbitt metal and solder, 3; baskets, and ratian and willow ware, 1; belting and hose, leather, 6; belting and hose, woren and carpets, rag, 1; carriages and sides, oblidren's, 3; cars and general shop construction and repairs by street-railroad companies, 1; chocade products, 1; elothing, cardage and twine and jute and linen goods, 1; cordials and sirups, 1; cork, eutling, 4; corsets, 9; cotton goods, icitize and wooden goods, not elsewhere specified, 8; apiarists' supplies, 1; dentists' materials, 1; dyeing and finishing textiles, 1; dyestuffs and extracts, 0; electropiating, 7; emergy and other abraive wheels, 2; enamely, builterers', and and japamning, 13; engraving, wood, 1; fertilizers, 2; files, 4; fings, bunners, regulia, society badges, and emblems, 4; flowring extracts, 3; folor-mill and gristmill products, 1; food preparations, 10; fur goods, 3; furnishing goods, men's, 2; furniture and faring cars, 3; galvanizing, 1; gola and electing, 1; gold and silver, leaf and foli, 1; gold and silver, leaf and foli, 1; gold and silver, leaf and foli, 1; gold and silver, 1; gold and end, 1; 1; gold and end, 1; 1; gold and elever, 0; has and caps, other than folt, straw, and wool, 1; hats, straw, 1; hones and whetstones, 1; hosiery and knit goods, 7; house-furnishing goods, not elsewhere specified, 2; ice, manufactured, 3; ink, printing, 4;

PASSAIC.

																	-
1	All industries	169	16, 386	145	221	708	226	15,086	8,020	6,629	437	16, 613			<u> </u>		
2	Bread and other bakery products.	42	196	46	7	2	6	135	132	0,025	107			7,305	228	254	23, 245
4	Foundry and machine-shop products	5	1,371 282		22	$3\overline{6} \\ 49$	7	1,306 201	680 199	579	47	$\begin{array}{r}141\\1,412\end{array}$		626	18	32	30 2,510
	Woolen, worsted, and felt goods, and wool hats.	6	7, 184	6	40	247	ĕ	6, 885	3,408	3,291	186	$225 \\ 7,675$	$223 \\ 3,795$	$\frac{1}{3,672}$	$1 \\ 125$	83	468 8.960
-	All other industries 1	103	7, 353	80	141	374	199	6, 559	3,601	2,755	203	7,160	3, 934	3,003	84	139	11.277

<sup>1</sup> All other industries embrace: Artificial stone, 2; belting and hose, woven and rubber, 2; blacking and eleansing and polishing preparations, 2; boxes, fancy and paper, 1; brass and bronze products, 1; carriages and wagons and materials, 1; chemicals, 1; confectionery, 1; oopper, tin, and sheet-iron products, 6; dyleing and finishing textles, 3; electrical machinery, apparatus, and supplies, 1; flour-mill and gristmill products, 1; food preparations, 3; furnishing goods, men's, 5; gas and electric fixtures and langs and reflectors, 1; glass, cutting, staining, and ornamenting, 1; hosiery and knit goods, 1; instruments, professional and scientific, 3; jewelry, 1; leather goods, 1; liquors

					PA	T E B	s o	N.									
1	All industries	702	35,116	871	699	1,305	237	32,004	18.530	12,478	996	32, 863	18 909	10 017	508	E20	35, 889
2 3 4 5	Bread and other bakery products Clothing, men's, including shirts Cordage and twine and jute and linen goods. Cotton goods, including cotton small wares.	10.	1,985 2,007	312 11 6	4 26 14 9	6 67 53 32	$12 \\ 25 \\ 5 \\ 1$	238 1,850 1,935 224	228 520	4 1,260 960 86	6 76 201 26	245 2,032 1,983 257	235 569 793 128	1,380 983 99	5 35 114	1 48 93	95 411 4,150
6 7 8 9	Dysing and finishing textiles Foundry and machine-shop products Lumber and timber products Printing and publishing	47 8 42	3,858 2,530 193 425		55 81 10 24	115 131 12 44	24 5 3 7	$3,650 \\ 2,269 \\ 163 \\ 312$	3,478 2,058 159 261	$     \begin{array}{r}       157 \\       175 \\       2 \\       25     \end{array}   $	15 36 2 26	$     \begin{array}{r}         237 \\         3,687 \\         2,344 \\         164 \\         345     \end{array} $	3,513	159 181 2 28	9 13 29 2 19	21 2 8 	365 7,739 1,880 861 471
10 11 12 13	Silk and silk goods, including throwsters Slaughtering and meat packing Tobacco manufactures. All other industries <sup>1</sup>	276 6 37 153	$20,099 \\ 166 \\ 208 \\ 2,801$	250 4 42 145	349 11 2 114	548 35 4 258	$124 \\ 1 \\ 1 \\ 29$	18,828 115 159 2,255	8,698 115 142 1,985	9,565 12 232	505 5 38	19,381 118 179 2,128	8,945 118 160 1,873	9,849 13 219	249	338 9	13,361 408 26 6,622

<sup>1</sup> All other industries embrace: Artificial stone, 7; automobiles, including bodies and parts, 2; awnings, tents, and sails, 4; baskets, and rattan and willow ware, 2; blacking and cleansing and polishing preparations, 2; boots and shoes, including cut stock and findings, 2; boxes, cigar, 1; boxes, fancy and paper, 8; brass and brouze 5; cooperage and wooden goods, not elsewhere specified, 4; copper, tin, and sheet-iron products, 7; cuttery and tools, not elsewhere specified, 1; certilizers, 1; files, 1; files, 1; files, banners, regalia, society badges and emblems, 2; food preparations, 1; fur goods, 3; furniture and refrigerators, 1; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 2; hand stamps and stencils and brands, 1; hats, fur-felt, 3; hosiery

					. T	REN	TOR	I.,									
1	All industries	840	20,679	295	496	1,047	298	18, 543	14,751	3.484	308	19,756	15. 736	3, 691	161	68	29, 839
5 6 7 8 9 10	Bread and other bakery products Clothing, men's, including shirts Confectionery. Foundry and machine-shop products Furniturs and refrigerators Pottery, ferra-cotta, and fire-clay products. Printing and publishing Rubber goods, not elsewhere specified Slaughtoring and meat packing Tobacco manufactures All other industries 1.	10 28 4 34 33	442 240 188 2,261 246 5,347 431 1,059 66 1,116 9,283	53 9 8 21 3 13 40 1 10 17 120	$ \begin{array}{r}     6 \\     9 \\     6 \\     57 \\     8 \\     112 \\     21 \\     37 \\     1 \\     37 \\     1 \\     34 \\     205 \\ \end{array} $	23719161171373460816565	$ \begin{array}{c} 11\\ 1\\ 1\\ 24\\ 1\\ 55\\ 12\\ 25\\ 25\\ 21\\ 136\\ \end{array} $	349 214 143 1,998 217 5,030 324 930 47 1,023 8,257	$\begin{array}{r} 302\\ 22\\ 53\\ 1,970\\ 216\\ 4,009\\ 286\\ 828\\ 47\\ 66\end{array}$	$ \begin{array}{r} 12\\ 192\\ 89\\ 26\\ 1\\ 956\\ 34\\ 96\\ 856\\ \end{array} $	35 1 2  65 4 12 	357 218 157 2,215 204 5,444 323 943 72 1,074	309 22 58 2,184 203 4,337 285 834 72 69	12 196 98 29 1 1,036 34 97 	35 1 2  40 4 10 1	1  31  09	221 52 96 3,327 282 3,113 255 2,614 104 120 19,655
					_~~	000	100	0,201	6,952	1,222	83	8,749	7,363	1,293	68	25    3	10,000

<sup>1</sup> All other industries embrace: Agricultural implements, 1; artificial stone, 2; automobiles, including bodies and parts, 4; bags, other than paper, 1; belting and hese, woven and rubber, 3; bluing, 1; boots and shoes, including cut stock and findings, 1; boxes, cigar, 1; boxes, faney and paper, 1; brass and bionze products, 8; brick and nices, 1; cars and general shop construction and repairs by street-railroad companies, 2; clina decorating, 3; clocks and watches, including cases and materials, 1; clothing, and roots, 5; coffee and spice, rootsting and grinding, 4; cooperage and wooden goods, not elsewhere specified, 3; electrical machinery, apparatus, and supplies, 3; electroplating, 3; engraving and diesinking, 1; fortilizers, 1; fiour-mill and gristill

782

# TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909-Continued.

### CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued.

### NEWARK-Continued.

					· · ·	EXPENS	ES.	- <u></u>					
				Services.		Mat	erials.		Miscell	aneous.		Value of products.	Value added by manu-
	Capital.	Total.	Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work,	Other.	producis.	facture.
27 28 29	\$1,087,452 6,028,021 699,593	\$1,543,268 6,029,747 1,311,406	\$74,609 261,197 117,040	\$57,903 508,508 71,547	\$75,849 385,191 62,659	\$20,032 68,613 6,626	\$1,195,444 4,198,946 365,534	\$26,095 15,991	\$4,450 31,782 1,890	\$300	\$114,981 549,115 670,179	\$1,613,708 6,733,293 1,338,042	\$398,232 2,465,734 965,882
30	4, 272, 651	3, 486, 535	179, 453	269, 996	1,184,208	36,766	1,210,124	86,570	13,421	87,623	418,374	4, 519, 359	3,272,469
31 32 33 84	616, 660 886, 386 2, 298, 245 42, 759, 156	610, 551 4, 134, 781 2, 438, 256 69, 090, 852	15,030 21,970 41,081 1,437,930	19,104 32,949 104,912 1,552,317	74,784 187,856 555,584 8,161,727	6,652 18,298 7,189 1,307,654	470, 053 3, 741, 434 995, 803 50, 622, 190	600 15,981 26,568 1,944,108	8,661 4,503 419,197 298,717	271 137,785	20,667 111,790 287,651 3,628,424	691,266 4,296,800 2,771,308 73,738,905	$\begin{array}{r} 214,561\\ 537,068\\ 1,768,316\\ 21,809,061\end{array}$

ink, writing, 1; instruments, professional and scientific, 3; iron and steel, steel works and rolling mills, 2; iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills, 1; iron and steel, doors and shutters, 1; iron and steel forgings, 3; iron and steel pipe, wrought, 1; jeweiry and instrument cases, 9; kaolin and ground earths, 2; lapidary work, 3; lasts, 4; lime, 1; looking-glass and picture frames, 3; mait, 1; imineral and soda waters, 23; mirrors, 2; models and praters, not including paper patterns, 11; mucilage and paste, 1; musical instruments and materials, not specified, 1; musical instruments, planos and organs and materials, 1; needles, plins, and hooks and eyes, 2; olloloth and linoleum, 1; optical goods, 3; paper and wood pulp, 2; paper goods not elsewhere specified, 4; pottery, terra-cotta, and fire-clay products, 3; roofing materials, 2; short, 2; short,

1	\$42, 840, 818	\$35,018,909	\$763,612	\$1,020,343	\$6, 268, 915	\$606,355	\$23, 728, 490	\$65, 091	\$194, 368	\$270, 348	\$2, 101, 387	\$41, 729, 257	\$17, 394, 412
2 3 4 5	191, 529 3, 529, 496 709, 837 20, 889, 322	$\begin{array}{r} 455,220\\3,485,001\\623,254\\12,993,332\end{array}$	71,536 27,970	3, 320 40, 301 62, 415 325, 952	91, 892 543, 741 132, 018 2, 752, 310	$10,633 \\ 45,076 \\ 7,297 \\ 222,178$	310,506 2,498,711 310,812 8,721,390	13,4146001,3904,590	1,491 8,245 2,885 55,054	50,129 5,950 840	$\begin{array}{r} 20,544 \\ 226,002 \\ 72,522 \\ 690,452 \end{array}$	3,953,583	$\begin{array}{r} 232,560\\ 1,409,796\\ 373,714\\ 7,638,256\end{array}$
8	17, 520, 634	17, 462, 102	440, 180	588,355	2, 748, 959	321,171	11,887,011	45,097	126,693	213,429	1,091,207	19,948,268	7, 740, 086

distilled, 1; liquors, malt, 1; liquors, vinous, 1; lumber and timber products, 1; marble and stone work, 2; matches, 1; mattresses and spring beds, 2; millinery and lace goods, 6; mineral and soda waters, 5; paint and varnish, 1; paper goods, not elsewhere specified, 1; patent medicines and compounds and druggists' preparations, 1; printing and publishing, 18; pumps, not including steam pumps, 1; roofing materials, 1; silk and silk goods, including throwsters, 4; slaughtering and meat packing, 2; soap, 2; stationery goods, not elsewhere specified, 1; tobacco manufactures, 10; upholstering materials, 1; wood, turned and carved, 2.

DATERSON.

											······	··	
1	\$66, 401, 725	\$62, 876, 266	\$1,693,506	\$1,287,409	\$15, 204, 544	\$1,081,057	\$33, 648, 541	\$1, 252, 600	\$588,930	\$4, 206, 511	\$3,915,168	\$69, 584, 351	\$34, 856, 753
2 3 4 5	388, 484 2, 219, 264 3, 670, 722 663, 845	921, 291 8, 378, 110 2, 763, 063 344, 870	39,170	8,114 66,786 39,904 18,090	154, 610 827, 633 575, 952 78, 156	$19,762 \\ 17,295 \\ 40,690 \\ 6,518$	671,880 1,998,357 1,840,946 197,815	17,696 11,739 5,840	3,716 4,740 24,672 2,090	265,286 369 3,115	$\begin{array}{r} 42,941\\96,161\\201,300\\24,521\end{array}$	$1,010,715 \\3,444,928 \\2,794,011 \\380,253$	$\begin{array}{r} 319,073\\ 1,429,276\\ 912,375\\ 1.75,920 \end{array}$
6 7 8 9	$\substack{\substack{11,047,733\\6,594,193\\353,161\\644,020}$	5, 394, 733 3, 171, 517 379, 647 472, 143	199,993 156,588 14,188 46,281	120, 355 122, 925 14, 105 26, 519	$\substack{\substack{1,831,526\\1,177,717\\99,330\\183,485}}$	252,380 68,907 2,229 10,123	$2,506,304 \\ 1,466,421 \\ 232,201 \\ 148,739$	29, 994 45, 681 492 7, 820	$23,178 \\ 26,535 \\ 2,707 \\ 4,137$	2,132 10,220	431, 003 104, 611 14, 895 34, 819	6,206,830 3,796,568 420,016 609,770	3, 448, 146 2, 261, 240 185, 586 450, 908
10 11 12 13	577,920 169,259	36, 683, 178 2, 761, 788 326, 527 6, 279, 399	42,510 5,489	610,938 30,296 4,284 225,093	8,872,283 117,856 89,686 1,196,310	314, 842 18, 799 553 328, 959	$\substack{19,205,578\\2,510,276\\171,652\\2,696,372}$	10,612 3,275	97, 618 4, 371 35, 595 359, 571	3,924,410 	2,330,822 27,002 15,993 591,480	40,358,271 3,003,139 333,223 7,226,627	20,837,851474,064161,0184,201,296

and knit goods, 1; house-furnishing goods, not elsewhere specified, 1; iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills, 1; iron and steel forgings, 1; iron and steel pipe, wrought, 1; jewelry, 1; leather goods, 3; liquors, distilled, 2; liquors, malt, 1; locomotives, not made by railroad companies, 2; looking-glass and picture frames, 4; marble and stone work, 2; mattresses and spring beds, 3; mineral and soda waters, 17; models and patterns, not including paper patterns, 1; musical instruments, pianos and organs and materials, 1; oil, not elsewhere specified, 1; oricial goods, 3; pape goods, not elsewhere specified, 2; rubber goods, not elsewhere specified, 1; oricial goods, 3; pape goods, not elsewhere specified, 1; soll, and artificial limbs, 1; well paper, 1; wall plaster, 1; wirework, includ-ing wire rope and cable, 1; wood distillation, not including turpentine and rosin, 1; wood, turned and carved, 6; woolen, worsted, and felt goods, and wool hats, 2.

-	TRENTON.													
1	\$46, 638, 757	\$43, 610, 937	\$1, 117, 554	\$1, 114, 051	\$9,725,718	\$1, 316, 571	\$26,355,978	\$101, 460	\$363, 636	<b>\$108, 180</b>	\$3,407,789	\$49,008,715	\$21, 336, 166	
2 3 4 5 6	496,002 216,983 189,799 4,959,861 355,450	$\begin{array}{r} 1,089,504\\ 354,788\\ 290,224\\ 3,360,608\\ 330,323 \end{array}$	9,056 14,815 8,690 139,117 14,420	$19,757 \\7,474 \\22,353 \\138,975 \\10,041$	187,16856,73742,8301,096,002131,152	$24,678 \\ 3,650 \\ 3,779 \\ 76,021 \\ 5,637$	$\begin{array}{r} 807,768\ 243,482\ 185,716\ 1,708,850\ 129,520 \end{array}$	9, 116 2, 019 5, 436 · 7, 239	$egin{array}{c} 3,433\ 365\ 1,269\ 22,616\ 1,214 \end{array}$		$\begin{array}{r} 28,528\\12,848\\20,091\\171,788\\38,339\end{array}$	$1,278,826 \\375,211 \\374,382 \\3,838,381 \\392,117$	$\begin{array}{r} 446,380\\ 128,079\\ 184,887\\ 2,053,510\\ 250,900 \end{array}$	
7 9 10 11 12	$\substack{\substack{641,180\\2,930,339\\202,105\\407,806\\27,347,480}}$	4, 590, 030 594, 625 1, 249, 159	$298, 393 \\58, 144 \\99, 882 \\416 \\54, 346 \\420, 275$	$152, 524 \\ 22, 399 \\ 76, 041 \\ 4, 214 \\ 38, 625 \\ 621, 648$	$\begin{array}{r} 3,143,166\\ 223,222\\ 500,806\\ 30,084\\ 287,126\\ 4,027,365\end{array}$	119,869	$1,552,074 \\ 175,415 \\ 3,561,425 \\ 538,210 \\ 597,599 \\ 16,855,919$	9,860 11,386 31,290 780 4,696 19,638	39,791 3,686 6,005 1,464 109,505 174,228	1, 391 16, 364 	$\begin{array}{r} 494,425\\ 40,967\\ 194,652\\ 16,679\\ 155,432\\ 2,234,040\end{array}$	6,995,793 737,732 4,969,259 638,120 1,528,238 27,882,656 <b>2</b>	$\begin{array}{c} 4,960,451\\ 549,309\\ 1,267,905\\ 95,132\\ 928,876\\ 10,444,617\end{array}$	

products, 2; food preparations, 1; furnishing goods, men's, 1; gas and electric fixtures and lamps and reflectors, 3; hats and caps, other than felt, straw, and wool, 1; hosiery and 'mit goods, 1; house-furnishing goods, not elsowhere specified, 1; ice, manufactured, 3; iron and steel forgings, 1; jewelry, 1; kaolin and ground earths, 2; liquors, malt, 3; lumber and timber products, S; marble and stone work, 5; mats and matting, 1; mattresses and spring beds, 2; mineral and soda waters, 6; models and patterns, not including paper patterns, 2; mucilage and paste, 1; musical instruments, pianos and organs and materials, 1; optical goods, 2; patent medicines and compounds and drug-gists' preparations, 4; shipbuilding, including boat building, 2; smolting and refining, zinc, 1; surgical appliances and artificial limbs, 1; wall plaster, 1; wire, 2; wire-work, including wire rope and cable, 1; wood, turned and carved, 2; woolen, worsted, and felt goods, and wool hats, 2.

# TABLE III.-DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES, AND CITIES OF 10,000 TO 50,000 INHABITANTS-ALL INDUSTRIES COMBINED.

<u> </u>	1		Î.											•			
					PERS	ONS EN	JAGED	IN INDU	STRY.	•		WAGE ORNE	EARNER AREST RI	S-NUM	BER DI	Park         Primary           por 16,         Primary           powes         powes           Fe-         33           mary         35           2         2,10           11         1,00           59         5,41           2         2,102           11         1,00           59         5,41           2         1,02           12         8,02           145         5,57           1,22         1,24           72         1,24           73         7,06           43         7,06           43         7,06           91         1,47           27         1,44           27         1,47           27         1,47	
۰ <b>.</b>	CITY.	Num- ber of estab-		Pro- prie-	Sala- ried offi- cers.	Cle	rks.	(1	Wage es average n	umber)	•			d over.	ver. Under 16		Pri-
		lish- ments	Total.	tors and firm mem-	super- intend- ents,		Fe-		16 and	l over,	Un-	Total.		1		<u> </u>	mary horse- power.
				bers.	and man- agers.	Male.	male.	Total,	Male.	Fe- male.	der 16.		Male,	Fe- male.	Male,		
1 2 8 4 5	ASBURY PARK. Atlantic City. Bloomfield Bridgeton East Orange	27 94 45 74 42	$332 \\ 973 \\ 3,435 \\ 2,649 \\ 1,861$	28 94 35 62 45	11 43 71 61 21	21 77 256 95 338	8 33 116 44 76	264 726 2,957 2,387 1,386	258 703 1,475 1,647	6 11 1,390 095	12 92 45	244 680 3,205 3,545	238 659 1,598 2,445	6 10 1,506 1,032	 11 46 66		392 1,718 6,031
6 7 8 9 19	GARFIELD HACKENSACK HABRISON IRVINGTON KEABNY	25 46 54 51 18	2,661 873 7,339 656 3,111	20 44 33 40 14	26 21 126 40 62	62 52 568 29 205	23 18 112 7 10	2,530 738 6,500 540 2,820	1,042 1,025 527 4,471 436 2,495	323 1,412 206 1,975 76 295	21 98 5 54 28 30	1, 410 2, 879 878 7, 059 617 2, 817	1,060 1,166 627 4,856 498 2,492	329 1,606 245 2,145 87 295	10 48 4 46 18	11 59 2 12 14	2,105 1,087 5,416 1,021 8,021 967
11 12 13 14 15	LONG BRANCH	23 31 03	562 3,144 321 278 5,948	36 37 17 32 72	20 39 15 23 102	35 241 28 16 344	56 66 9 6 166	415 2,701 252 201 5,264	260 2,206 219 177 2,411	153 411 32 22 2,711	$2 \\ 144 \\ 1 \\ 2 \\ 142 \\ 142 \\ 1$	411 3,400 304 225 5,377	257 2,718 264 198 2,462	152 505 39 25 2,770	15 2 156 1 2 61	21	5,879 922 3,681 1,245 766 6 337
17 18 19 20	PHILIPSBURG. PLAINFIELD.	85 80 39 60	5,054 6,595 3,753 2,027	65 55 27 55	120 155 107 67	395 431 158 121	91 88 29 26	4,383 5,806 3,432 1,758	3,572 4,364 2,718 1,454	$745 \\ 1,355 \\ 649 \\ 292 $	$\begin{array}{c} 66 \\ 147 \\ 65 \\ 12 \end{array}$	5,617 6,344 3,751 1,976	4,580 4,721 2,971 1,635	953 1,462 710 827	31 57 27 10	104 43	5,962 22,314 7,061
20 21 22 23	UNION WEST HOBOKEN. WEST NEW YORK WEST ORANGE.	83 137 66 10	3,155 3,179 1,779 530	83 154 70 8	99 22 27 14	65 196 161 31	$14 \\ 25 \\ 13 \\ 1$	2,894 2,782 1,508 470	1,340 1,127 770 429	1,438 1,541 694 47	$116\\114\\44$	2,842 2,938 1,708 698	1,315 1,190 873 629	1,414 1,629 785 69	10 41 28 23	72 91	3,912 3,034 1,477 1,443 1,032

# TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909-Continued.

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

1			•			EXPENS	es,						
				Services.		Mat	erials,		Miscell	aneous.		Value of products,	Value added by manu-
	Capital.	Total.	Officials.	Clerks.	Wage earners,	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	products.	faeture.
1 2 3 4 5	\$536, 553 4, 241, 805 7, 768, 644 3, 301, 750 3, 849, 230	\$539, 492 1, 977, 401 5, 485, 678 3, 677, 563 3, 296, 385	\$15,792 53,839 182,615 106,982 75,940	\$14,584 56,584 408,175 99,889 188,483	\$174, 881 480, 413 1, 300, 533 1, 163, 297 857, 979	\$9,870 174,322 124,187 146,507 41,728	\$284,594 961,284 2,176,586 1,850,912 1,725,872	\$3, 807 23, 169 11, 037 6, 653 9, 369	\$4, 567 44, 327 27, 365 16, 818 11, 468	\$1,861 150 7,219	\$31, 397 181, 602 1, 255, 030 286, 505 378, 327	\$002, 194 2, 259, 616 5, 894, 710 4, 070, 508 3, 724, 879	\$307,730 1,124,010 3,593,937 2,073,089 1,957,279
6 7 8 9 10	8,005,510 1,845,897 20,602,053 1,405,795 6,551,151	$7,612,011 \\1,787,311 \\11,241,701 \\2,806,290 \\7,415,452$	120, 178 53, 636 859, 906 74, 375 65, 782	85,039 64,868 565,228 28,281 203,350	$1,080,245 \\ 360,170 \\ 3,672,161 \\ 277,878 \\ 1,540,345 \\$	113, 186 26, 093 340, 623 39, 409 158, 797	5,862,322 873,247 5,072,850 2,303,592 5,104,265	2,814 4,774 23,900 10,543 2,468	$18,808 \\ 5,208 \\ 188,574 \\ 4,765 \\ 40,391$	13,120 108,942 9,952 17,407 85	316, 299 290, 373 1,008, 507 50, 045 299, 969	8,893,710 1,977,966 13,142,377 3,017,824 8,306,276	$\begin{array}{c} 2,918,202\\ 1,078,626\\ 7,728,904\\ 674,823\\ 3,043,214 \end{array}$
11 12 13 14 15	2,362,055 3,577,804 1,104,570 947,532 11,188,972	939,960 3,823,920 982,042 594,755 8,657,819	33,785 146,809 17,306 26,660 327,978	40,774 221,045 26,405 12,107 451,588	225, 408 1, 424, 231 138, 761 130, 182 2, 020, 439	85,660 228,028 11,738 28,598 115,826	498, 682 1, 371, 149 656, 841 340, 075 4, 432, 939	2,697 3,866 29,056 7,070 37,951	$11,704 \\ 34,398 \\ 3,844 \\ 4,444 \\ 232,246$	70,510 2,900 309 5,890	41, 250 323, 884 95, 191 45, 310 1,032, 962	$\begin{array}{r} 1,116,663\\ 4,181,824\\ 1,025,585\\ 724,233\\ 10,004,802 \end{array}$	532, 321 2, 582, 647 357, 006 355, 560 5, 456, 037
16 17 18 19	11, 147, 977 25, 100, 426 9, 763, 750 6, 508, 056	8,362,617 69,109,510 7,664,870 3,058,155	301, 640 496, 431 185, 066 143, 859	470, 642 489, 570 177, 059 136, 698	2,462,908 2,679,329 1,731,531 968,274	135, 480 713, 633 543, 018 67, 431	3,552,952 63,218,421 4,226,646 1,462,904	28, 911 24, 304 1, 466 40, 758	92, 173 204, 401 30, 035 19, 757	23, 945 34, 960 3, 780 3, 600	1,295,966 1,248,461 766,269 214,874	9,175,910 73,092,703 9,150,227 3,648,745	5,487,478 9,160,649 4,380,563 2,118,410
20 21 22 23	10, 910, 251 4, 861, 242 4, 162, 662 1, 994, 486	6,827,482 4,860,311 8,953,573 818,150	141, 664 63, 520 81, 294 25, 799	88,005 204,410 155,294 18,471	1,410,816 1,424,927 729,238 285,454	109,692 55,744 80,277 25,531	3,428,893 2,432,281 7,328,432 373,514	25, 653 44, 641 42, 401 10, 104	$242,288 \\ 132,095 \\ 22,808 \\ 2,980$	133,402 228,490 253,948	$\substack{1,247,069\\274,203\\259,881\\76,297}$	7,941,047 5,577,439 9,273,717 747,684	4,402,462 3,089,414 1,865,008 348,639

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# NEW MEXICO.

### INDUSTRIES IN GENERAL.

General character.—New Mexico, with an area of 122,460 square miles, is the fourth largest among the 49 states and territories embraced in continental United States, being exceeded in size only by Texas California, and Montana. Its population in 1910 was 327,301, as compared with 195,310 in 1900 and 160,282 in 1890. It ranked forty-fourth among the 49 states and territories as regards population both in 1910 and in 1900. Manufacturing in the territory is still in its infancy. The mining of coal, copper, gold, and silver are of considerable importance, but the principal pursuits are stock raising and agriculture. Fourteen and two-tenths per cent of the entire population of the territory resides in incorporated cities and towns having a population of 2,500 inhabitants or over. as against 14 per cent in 1900.

Albuquerque, with a population of 11,020, is the only city in the territory having a population of over 10,000. The territory is very sparsely settled, as is indicated by the fact that its density of population is only 2.7 per square mile.

Importance and growth of manufactures.—The following table gives the more important figures relative to all classes of manufactures combined for the territory as returned at the censuses of 1909, 1904, and 1899, together with percentages of increase from census to census:

	Alter data data data data data data data dat	NUMBER OR AMOUNT.		PER CENT O	F INCREASE.
and and a second se Second second	1909	1904	1899	1904-1909	1899-1904
Number of establishments		13 199	174	57.3 22.5	14.4
Persons engaged in manufactures Proprietors and firm members	4,7	66 3,891 88 189	$\left  \right\rangle $	52.4	
Salaried employees.	3	35 224	88	49.6	154.5
Salaried employees Wage earners (average number)		43 3,478	2,490	19.1	39.7
Primary horsepower			3, 658	160.0	62.6
Capital			\$2, 161, 000	66.9	114.6
Expenses. Services.			3, 428, 000	38.7	48.2
Services			1, 290, 000 91, 000	23.0 45.1	87.4 190.1
Salaries			1, 199, 000	20.3	79.6
Wages Materials			1, 999, 000	45.8	11.9
Miscellaneous			139,000	90.2	207.9
Value of products	7, 898, 0		4,061,000	38.4	40.5
Value of products	of prod-				
ucts less cost of materials)	4,637,0	00 3, 470, 000	2, 062, 000	33.6	68.3

<sup>1</sup> Figures not available.

In 1909 New Mexico had 313 manufacturing establishments, which gave employment to an average of 4,766 persons during the year and paid out \$2,974,000 in salaries and wages. Of the persons employed, 4,143 were wage earners. These establishments turned out products to the value of \$7,898,000, to produce which materials costing \$3,261,000 were consumed. The value added by manufacture was thus \$4,637,000, which figure, as explained in the Introduction, best represents the net wealth created by manufacturing operations during the year.

In general, this table brings out the fact that the manufacturing industries of New Mexico as a whole showed a considerable development during each of the five-year periods 1904–1909 and 1899–1904. During the period 1904–1909 the average number of wage earners increased 19.1 per cent, while the value of products increased 38.4 per cent and the value added by manufacture 33.6 per cent. As pointed out in the Introduction, it would be improper to infer that manufactures increased in volume during the period 1904–1909 to the extent indicated by these figures regarding values, since the increase shown is certainly due, in part, to the increase that has taken place in the price of commodities. It will be noticed that for most of the items the percentages of increase from 1899 to 1904 were larger than those from 1904 to 1909.

The relative importance and growth of the leading manufacturing industries of the territory are shown in the table on page 788.

		WAQE EA	RNERS.	VALUE OF PR	ODUCTS.		E ADDED BY UFACTURE. PER CENT				OF INCREASE.	
INDUSTRY.	Num- ber of estab- lish- ments.	Average	Per cent distri-	cent    Amount   cent		Amount.	Per cent distri-	Value of products.		Value added by manu- facture,		
			bution.	-	bution.		bution.	1904- 1909	1899- 1904	1904- 1909	1899- 1904	
All industries	813	4,143	100.0	\$7,898,000	100.0	\$4,637,000	100.0	88.4	40.5	88.6	68.3	
Cars and general shop construction and repairs by steam- rallroad companies Lumber and timber products Printing and publishing Flour-mill and gristmill products	11 76 93 16	1,489 1,475 283 28	35.9 35.6 6.8 0.7	2,251,000 2,162,000 589,000 462,000	28.5 27.4 7.5 5.8	$1,288,000 \\1,584,000 \\468,000 \\108,000$	27.8 34.2 10.1 2.3	-10.3 50.7 99.7 19.1	134, 8 212, 6 49, 0 0, 8	-7.0 41.9 95.0 42.1	128.5 257.7 40.3 -20.0	
Bread and other bakery products. Ice, manufactured. Brick and tile. All other industries.	32 10 13 62	54 50 92 672	$1.3 \\ 1.2 \\ 2.2 \\ 16.2$	272,000 144,000 123,000 1,895,000	3.4 1.8 1.0 24.0	118,000 102,000 91,000 878,000	2.5 2.2 2.0 18.9	78.9 71.4 51.9	23.6 7.7 5.2	81.5 50.0 44.4	1 7.6	

<sup>1</sup> Percentages are based on figures in Table I; a minus sign (-) denotes decrease,

It should be borne in mind, in considering this table, that the value of products in some of the industries involves a certain amount of duplication due to the use of the product of one establishment in the industry as material for another establishment.

The important industries listed in this table, in which they are arranged in the order of the value of products, call for brief consideration.

Cars and general shop construction and repairs by steam-railroad companies.—This industry represents the work done in the car shops operated by steamrailroad companies and is exclusive of minor repairs in roundhouses. Although there may be a limited amount of new construction, the operations consist almost exclusively of repairs to the rolling stock and equipment of the companies reporting. Although there was a slight decrease shown in the total value of products from 1904 to 1909, in the latter year these shops gave employment to an average of 1,489 wage earners and reported products to the value of \$2,251,-000, a greater number of wage earners and a greater value of products than reported for any other manufacturing industry in the territory.

Lumber and timber products.—This industry covers the operations of timber camps, sawmills, and planing mills. It gave employment to 1,475 wage earners in 1909, and the value of its products amounted to \$2,162,000.

Printing and publishing.—The majority of the establishments in this industry are small newspaper and job printing offices, and although the number of establishments is in excess of that reported for any other industry, the number of wage earners and value of products are not correspondingly large. Employment was given to an average of but 283 wage earners, and the total value of products was \$589,000.

Flour-mill and gristmill products.—There were 16 mills reported for this industry, and as a rule were small and located in the rural districts. They gave employment to an average of 28 wage earners and reported \$462,000 as the value of their products.

Measured by value added by manufacture, these industries held a somewhat different rank than when measured by value of products, the lumber industry becoming first in order instead of steam-railroad repair shops, which, in turn, becomes second, while bakery products becomes fourth in order instead of flour-mill and gristmill manufactures, which, in turn, becomes fifth. Owing to the comparatively simple processes involved in the latter industry, and the extent to which these processes are carried on by machinery, the value added by manufacture is not commensurate with the gross value of products or the number of the establishments.

This table shows also the percentages of increase for the leading industries in respect to value of products and value added by manufacture. Of the specified industries, printing and publishing shows the greatest percentage of increase from 1904 to 1909 both in value of products and in value added by manufacture.

In addition to the seven industries presented separately, there are two important industries included in the group "All other industries." One of these is the manufacture of coke, which ranks among the leading industries of the territory, but for which separate figures can not be given without disclosing individual operations. The other is the manufacture of malt liquors, for which comparative figures are not available for prior years, but the 1909 statistics will be found in Table II.

Persons engaged in manufacturing industries.—The table following shows the distribution of the number of persons engaged in manufactures, the average number of wage earners being distributed by sex and age. It should be borne in mind, however, that the sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the Introduction.

The average number of persons engaged in manufactures during 1909 was 4,766. Of these, 4,143 were wage earners, 446 were proprietors and officials, and

177 were clerks. Corresponding figures for individual industries will be found in Table II.

CLASS.		NS ENGAG NUFACTUR	
01.001	Total.	Male.	Female.
All classes	4,766	4,659	107
Proprietors and officials	446	440	6
Proprietors and firm members	288 41 117	282 41 117	0
Clerks	177	161	16
Wage earners (average number)	4,143	4,058	88
16 years of age and over Under 16 years of age	4,077 66	3,995 63	82 3

The following table shows the percentage of proprietors and officials, clerks, and wage earners, respectively, in the total number of persons employed in manufactures. It covers all industries combined and four important industries individually.

	PERSONS ENGAGED IN MANUFACTURES.								
		Per	cent of to	cent of total.					
INDUSTRY.	Total number.	Proprie- tors and officials.	Clerks.	Wage earners (average number).					
All industries. Cars and general shop construction and repairs by steam-railroad companies. Flour-mill and gristmill products. Lumber and timber products. Printing and publishing. All other industries.	4,766 1,594 48 1,620 436 1,068	9.4 2.0 39.6 7.8 27.3 14.8	<b>3.7</b> 4.6 2.1 1.7 7.8 3.9	86.9 93.4 58.3 91.0 64.9 81.3					

Of the total number of persons engaged in manufacturing industries, 9.4 per cent were proprietors and officials, 3.7 per cent clerks, and 86.9 per cent wage earners. In the flour-mill and gristmill and the printing and publishing industries the majority of the establishments are small and the work is done to a large extent by the proprietors or their immediate representatives. Therefore the proportion of persons engaged in the industry falling in the class of proprietors and officials is very much higher than for other industries or for all industries combined. The smallest proportion for this class is shown for steamrailroad repair shops, and is due to the fact that corporations, to which class these establishments belong, report no proprietors, in addition to which general officials are not as a rule assigned to the supervision of this particular branch of work.

The following table shows, in percentages, for all industries combined, the distribution of the average number of wage earners by age periods and sex, calculated in the manner described in the Introduction. It also shows, for some of the important industries separately, the percentage distribution, by age periods and sex, of wage earners as reported for December 15, or the nearest representative day. As a means of judging the importance of the several industries, the average total number employed for the year is also given in each case.

	WAGE EARNERS.							
		Per	Per cent of total.					
INDUSTRY.	Average number.1	16 year and	s of age over.	Under 16 years				
		Male.	Female.	of age.				
All industries. Cars and general shop construction and re-	4,143	96.4	2.0	1.6				
pairs by šteam-railróad companies. Flour-mill and gristmill products. Lumber and timber products. Printing and publishing. All other industries.	1,489 28 1,475 283	100.0 96.4 97.3 80.2 94.1	14.8 4.6	3.6 2.7 4.9 1.3				

<sup>1</sup> For method of estimating the distribution, by sex and age periods, of the average number in all industries combined, see Introduction.

For all industries combined, 96.4 per cent of the average number of wage earners were males over 16 years of age, 2 per cent females over 16 years of age, and 1.6 per cent persons of both sexes under the age of 16. The largest part of the total number of female wage earners is employed in the printing industry. Of the number of employees in that industry, about one-seventh were females 16 years of age and over.

The printing and publishing industry gave em-, ployment to the largest proportionate number of wage earners under 16 years of age.

In order to compare the distribution of persons engaged in manufactures in 1909 with that shown at the census of 1904, it is necessary to use the classification employed at the earlier census. (See Introduction.) The following table makes this comparison according to occupational status:

	PERSONS ENGAGED IN MANUFACTURES.									
CLASS.	190	9	190	4	Per cent					
ULLASS,	Number.	Per cent distri- bution.	Number.	Per cent distri- bution.	cent of in- crease, 1904- 1909.					
<b>Total.</b> Proprietors and firm members Salaried employees. Wage earners (average number)	4,766 288 335 4,143	100.0 6.0 7.0 86.9	<b>3,891</b> 189 224 3,478	100.0 4.9 5.8 89.4	22.5 52.4 49.6 19.1					

Comparable figures are not obtainable for 1899. The table shows the percentage of increase in the number of wage earners to be much smaller than the percentages of increase in the number of proprietors and firm members and the salaried employees. This was due largely to the increase in the number of the smaller establishments where the proprietors perform most of the work, requiring few or no employees.

The next table shows the average number of wage earners, distributed according to age periods, and in

the case of those 16 years of age and over according to sex, for 1909, 1904, and 1899. The averages for 1909 are estimated on the basis of the actual number reported for a single representative day. (See Introduction.)

	AVERAGE NUMBER OF WAGE EARNERS.										
07.459	190	9	190	4	189	ə					
CLASS.	Number.	Per cent distri- bution.	Number.	Per cent distri- bution.	Number.	Per cent distri- bution.					
Total 16 years of age and over. Male. Female. Under 16 years of age	<b>4,143</b> 4,077 3,995 82 66	100,0 98.4 96.4 2.0 1.6	8,478 3,440 3,388 52 38	100.0 98.9 97.4 1.5 1.1	2,490 2,464 2,403 61 26	100.0 99.0 96.5 2.4 1.0					

This table indicates that, although the proportion of wage earners under 16 years of age was but 1.1 per cent of all wage earners in 1904 and 1.6 per cent in 1909, there has been a greater relative increase in their employment than in either males or females over that age. The proportion, however, which each class formed of the total number of wage earners reported at the three censuses shows but little variation.

Wage earners employed, by months.—The following table gives the number of wage earners employed on the 15th of each month during the year 1909, for all industries combined, for the lumber industry, and for all other industries combined; it gives also the percentage which the number reported for each month is of the greatest number reported for any month. In Table II, page 796, is shown, for each industry in the territory, the largest number and the smallest number of employees reported for any month. The number for each month relates to the 15th day, or the nearest representative day, of that month.

		WAGE EARNERS.										
•				Lui	nber and th	nber produ	ets.		411.	othen		
Month.	Allind	ustries.	To	Total. In mills. In logging operations.					All other industries,			
	Number.	Per cent of maxi- mum.	Number.	Per cent of maxi- mum.	Number.	Per cent of maxi- mum,	Number.	Per cent of maxi- mum,	Number,	Per cent of maxi- mum.		
January February March. April	3,060 3,010 3,775 3,965	79.9 78.8 82.2 86.4	1,311 1,303 1,348 1,388	74. 1 73. 6 76. 2 78. 4	814 842 853 890	69. 2 71. 5 72. 5 75. 6	497 461 495 498	83, 8 77, 7 83, 5 84, 0	2, 355 2, 313 2, 427 2, 577	80. 9 79. 4 83. 3 88. 5		
May June. July August.	. 4,103 . 4,142 . 4,389 . 4,532	89.4 90.2 95.6 98.7	1,435 1,355 1,488 1,620	81. 1 76. 6 84. 1 91. 5	954 948 1,041 1,071	81.1 80.5 88.4 91.0	481 407 447 549	81. 1 68. 6 75. 4 92. 6	2, 008 2, 787 2, 901 2, 912	91. 6 95. 7 99. 6 100. 0		
September October November December	. 4, 591 . 4, 346 . 4, 320 . 4, 273	100. 0 94. 7 94. 1 93. 1	1,770 1,590 1,606 1,486	100. 0 89. 8 90. 7 84. 0	1,177 1,014 1,037 930	100. 0 86. 2 88. 1 79. 0	593 576 569 556	100. 0 97. 1 96. 0 93. 8	2, 821 2, 756 2, 714 2, 787	96, 9 94, 6 93, 2 95, 7		

There is no industry of importance in the territory which is distinctively seasonal, but nevertheless the number of wage earners underwent considerable change from month to month. The last six months of the year showed a larger number employed than during the first six months. The number in February, the lowest month, was 78.8 per cent of the number in September.

The lumber industry is the second industry in the territory in respect to number of wage earners employed; and the variation in this number, which is considerable, affects to some extent the totals for all industries combined. This industry gave employment in 1909 to an average of 1,475 wage earners, or 35.6 per cent of the total number employed in all the industries of the territory. Of these wage earners, an average for the year of 964, or 65.4 per cent, were employed in the mills, and 511, or 34.6 per cent, were employed in the logging branch of the

industry. The maximum number of wage earners, both in the mills and in logging, was reached in the month of September, when 1,177 were employed in the former and 593 in the latter branch of the industry. The smallest number employed in the mills, 814, or 69.2 per cent of the maximum, was in January, and the smallest number employed in logging operations, 407, or 68.6 per cent of the maximum, was in June.

Prevailing hours of labor.—In the table following wage earners have been classified according to hours of labor prevailing in the establishments in which they are employed. In making this classification the average number of wage earners employed during the year is used; and the number employed in each establishment is classified as a total according to the hours prevailing in that establishment, even though some few employees work a greater or less number of hours.

	AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS GROUPED ACCORDING TO PREVAILING HOURS OF WORK PER WEEK.											
INDUSTRY.	Total.	48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	0 ver 72.			
All industries Bread and other bakery products Broke and tile Cars and general shop construction and repairs by steam-railroad companies Flour-mill and gristmill products Ioe, manufactured Lumber and timber products Printing and publishing All other industries	1,489 28 50 1,475	<b>356</b> 10 9 6 148 141 42	294 	280 7 18 34  19 79 73	90 3  	3,074 31 65 1,190 10 3 1,291 32 452	81  12 18 1 	25 3  22	48  29  14			

It is evident from these figures that for the great majority of wage earners employed in the manufacturing industries of New Mexico the prevailing hours of labor are 60 a week, or 10 a day, only 23.4 per cent of the total being employed in establishments working less than 10 hours a day, and only 2.4 per cent being employed in establishments working more than 10 hours a day.

The railroad repair shops and the establishments manufacturing lumber and timber products are operated principally on a 10-hour-per-day basis. As these two industries gave employment to more than twothirds of the wage earners reported for the territory, the prevailing hours of labor reported for them largely determine the prevailing hours shown for all industries combined.

Location of establishments.—The next table shows the extent to which the manufacturing industries of the territory are located in the city of Albuquerque. (See Introduction.)

					ENT OF TAL.	
ITEM.	Year.	Total.	Albu- querque.	Outside districts.	Albu- querque.	Outside districts
Population	1910	327, 301	11,020	316,281	3.4	96, 6
Number of estab- lishments	1909	313	31	282	9.9	90.1
Average number of wage earners	1909 1909	4,143 \$7,897,756	587 \$1,288,349	3,556 \$6,609,407	14.2 16.3	85.8 83.7
Value added by man- ulacture	1909	4, 636, 713	704, 525	3,932,188	15.2	84.8

In 1909, of the total number of establishments 9.9 per cent were located in Albuquerque, 16.3 per cent of the total value of products was reported from this city, and 14.2 per cent of the total average number of wage earners were employed there. As separate statistics for Albuquerque are not available for the censuses of 1904 and 1899, no comparison showing the growth of the manufactures of the city can be made.

Character of ownership.—The table that follows has for its purpose the presentation of conditions in respect to the character of ownership, or legal organization, of manufacturing enterprises. For all industries combined comparative figures are given covering the censuses of 1909 and 1904. Comparative data for 1899 are not available. Figures for 1909 are only presented for two important industries individually. In order to avoid disclosing the operations of individual concerns, it is necessary to omit two important industries from this table and the one following.

<u></u>				
INDUSTRY AND CHARACTER OF OWNERSHIP.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture.
ALL INDUSTRIES: 1909 1904 Individual:	818 199	4,143 3,478	\$7,897,756 5,705,880	\$4,636,713 3,469,946
1909 1904	158 109	499 255	1,177,829 761,825	`747,908 381,202
Firm: 1909 1904	59 37	262 119	466, 238 298, 455	291, 508 189, 324
Corporation: 1909 1. 1904 1.	96 53	3, 382 3, 104	6, 253, 689 4, 645, 600	3, 597, 297 2, 899, 420
Per cent of total: 1909 1904 Tudividual:	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
1909	50.5 54.8	12.0 7.3	14.9 13.4	16.1 11.0
Firm: 1909 1904	18.8 18.6	6.3 3.4	5.9 5.2	6.3 5.5
Corporation: 1909 <sup>1</sup> 1904 <sup>1</sup>	30.7 26.6	81.6 89.2	79.2 81.4	77.6 83.6
Lumber and timber products, 1909 Individual. Firm Corporation	22	<b>1,475</b> 258 174 1,043	\$2,162,396 422,208 188,169 1,552,019	\$1,584,774 352,413 144,246 1,088,115
Per cent of total. Individual Firm Corporation	50.0	100.0 17.5 11.8 70.7	100.0 19.5 8.7 71.8	100.0 22.2 9.1 68.7
Printing and publishing, 1909 Individual. Firm. Corporation <sup>1</sup> .	56 12	283 94 25 164	<b>\$588,782</b> 166,019 57,126 365,637	<b>\$467,739</b> 131,378 45,221 291,140
Per cent of total Individual Firm Corporation <sup>1</sup>	60.2	100.0 33.2 8.8 58.0	100.0 28.2 9.7 62.1	$100.0 \\ 28.1 \\ 9.7 \\ 62.2$

<sup>1</sup> Includes the group "Other" to avoid disclosure of individual operations.

The most important distinction shown is that between corporate and all other forms of ownership. For all industries combined, 30.7 per cent of the total number of establishments were in 1909 under corporate ownership, as against 69.3 per cent under all other forms. The corresponding figures for 1904 were 26.6 per cent and 73.4 per cent, respectively. For all industries combined, as measured by value of products and value added by manufacture, relatively, corporations lost ground to a slight extent. Size of establishment.—The tendency for manufacturing to become concentrated in large establishments or the reverse, is a matter of interest from the standpoint of industrial organization. To throw some light upon it, the following table groups the establishments according to the value of their products. The table also shows the average size of establishments for all industries combined and for important industries separately, as measured by number of wage earners, value of products, and value added by manufacture. The totals for all industries are shown for the last two censuses, while for two important industries figures are given for 1909 only.

INDUSTRY AND VALUE OF PRODUCTS.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture.
				·
ALL INDUSTRIES: 1909 1904	818 199	4,143 3,478	\$7,897,756 5,705,880	\$4,636,713 8,469,946
Less than \$5,000: 1909 1904	143 94	221 100	329,169 212,673	243, 159 159, 787
1904. 1904. \$5,000 and less than \$20,000: 1909. 1904.	114 63	562 269	1, 088, 650 604, 205	689, 587 378, 129
\$20,000 and less than \$100,000:		778	1, 996, 506 1, 385, 931	1,062,426 724,668
1904 \$100,000 and less than \$1,000,000: 1909	13	2,582	4, 483, 431	2,641,541
1904 1	9	2,572	3, 503, 071	2,207,362
Per cent of total: 1909 1904	100.0 100.0	100.0 100.0	100.0 100.0	100. 0 100. 0
Less than \$5,000: 1909- 1904- \$5,0000 and less than \$20,000:		5.3 2.9	4.2 3.7	5.2 4.6
1909	. 00.2	13.6 7.7	13.8 10.6	14.9 10.9
1904 \$20,000 and less than \$100,000: 1909 1904.	13.7	18.8 15.4	25.3 24.3	22. 9 20. 9
1904. \$100,000 and less than \$1,000,000: 1909.	4.2	62.8	56.8	57.0 63.6
1904 1. A verage per establishment: 1909. 1904.		13 17	\$25,232 28,673	
Lumber and timber products, 1909 Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000	. 76 . 34 . 27 . 10	223 170	\$2,162,996 77,300 247,686 408,299 1,429,111	\$1,584,774 60,093 189,654 247,540 1,087,487
Per cent of total Less than \$5,000 \$5 000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 A verage per establishment	. 44.7 . 35.5 . 13.2 . 6.6	$     \begin{array}{r}       6.2 \\       15.1 \\       11.5 \\       67.1     \end{array} $	100.0 3.6 11.5 18.9 66.1 \$28,453	12.0 15.6 68.6
Printing and publishing, 1909. Less than \$5,000. \$5,000 and less than \$20,000 \$20,000 and less than \$100,000	.) 63	78 113	<b>\$588,782</b> 145,055 205,044 238,683	159,714
Per cent of total Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 Average per establishment	. 67.7 25.8 6.5	27.6 39.9 32.5	100. 0 24. 6 34. 8 40. 5 \$6, 331	25.6 34.1 40.3

1 Includes the group "\$1,000,009 and over."

This table shows that, in 1909, of the 313 establishments, only 13, or 4.2 per cent, had a value of product exceeding \$100,000. These 13 establishments, however, had an average number of wage earners of 2,582, or 62.3 per cent of the total number in all establishments, and reported 56.8 per cent of the total value of

products and 57 per cent of the total value added by manufacture.

On the other hand, small establishments—that is, those having a value of product of less than \$5,000 constituted a very considerable proportion (45.7 per cent) of the total number of establishments, but the value of their product amounted to only 4.2 per cent of the total. The bulk of the manufacturing was carried on in establishments having a product of not less than \$100,000.

The fact that the average number of wage earners per establishment decreased from 17 in 1904 to 13 in 1909 and the average value of products from \$28,673 to \$25,232 is to be explained, at least in part, by the fact that the increase in the number of establishments from 1904 to 1909 is largely in those establishments having less than \$20,000 worth of products. Out of a total increase of 114 establishments, only 14 reported more than \$20,000 worth of products. The table shows further that when the size of establishments is measured by value of products the printing and publishing industry is conducted mainly in the smaller establishments, and the lumber and timber industry mainly in establishments producing between \$100,000 and \$1,000,000 each.

In some respects, and especially from the standpoint of conditions under which persons engaged in manufactures work, the best classification of establishments to bring out the feature of size is a classification according to the average number of wage earners employed. The next table shows such a classification for all industries combined and for four important industries, and gives not only the number of establishments falling in each group but also the average number of wage earners employed.

The per cent distribution of the number of establishments is not shown in this table; of the 313 establishments reported for all industries combined, 91.7 per cent employed either no wage earners or under 21 wage earners each. The most numerous single group consists of the 202 establishments employing 1 to 5 wage earners, the next being the group employing from 6 to 20 wage earners, with 54 establishments. There were 2 establishments that employed over 250 wage earners; 1 employed over 500.

Of the total number of wage earners, 57.6 per cent were in establishments employing over 100 wage earners. The single group having the largest number of employees was the group employing from 101 to 250 wage earners. This group employed 1,039 wage earners, or 25.1 per cent of the total. The railroad repair shop industry is one in which comparatively large establishments do most of the business, as appears from the classification according to number of wage earners. The reverse is true of the flour-mill and gristmill industry, in which all the establishments employed less than 6 wage earners.

				E	STABLISH	MENTS EL	(PLOYING			
INDUSTRY.	Total.	No wage earners.	1 to 5 wage earners.	6 to 20 wage earners.	21 to 50 wage earners.	51 to 100 wage earners.	101 to 250 wage earners.	251 to 500 wage earners.	501 to 1,000 wage earners.	Over 1,000 wage earners.
		·		NUMBE	R OF EST	ABLISHME	NTS.		<b></b>	
All industries	818	31	202	54	11	6	6	2	1	
panies Flour-mill and gristmill products		2	 14 44	1	1	4	3	2		
Lumber and timber products. Printing and publishing. All other industries.		20 9	61 83	11 18	6 1 3	2	$\frac{1}{2}$	· · · · · · · · · · · · · · · · · · ·	1	
•			7A	ERAGE N	UMBER O	F WAGE 1	CARNERS.		- -	
All industries. Cars and general shop construction and repairs by steam-railroad com-	4,148		476	527	867	389	1,039	662	683	
panies Plausmill and gristmill products	1,489 28			15	34	269	509	662		
Finite and timber products Printing and publishing. All other industries.	1,475 283 868		$128 \\ 148 \\ 172$	246 109 157	237 26 70	120	181 349		683	
			PER CENT	OF AVE	RAGE NUN	BER OF	WAGE EA	RNERS.	<u> </u>	••••••••••••••••••••••••••••••••••••••
All industries.	<b>100.0</b> 100.0		11.5	12.7	8.9	9.4	25.1	16.0	16.5	••••
panies Flour-mill and gristmill products Lumber and timber products Printing and publishing	100.0 100.0 100.0 100.0		100.0 8.7 52.3	1.0 16.7 38.5	2, 3 16, 1 9, 2	18.1 	34.2 12.3	44.5	46.3	
All other industries.	100.0		19.8	18.1	8.1	13.8	40, 2	••••••		

**Expenses.**—As stated in the Introduction, the census does not purport to furnish figures that can be used for determining the cost of manufacture and profits. Facts of interest can, however, be brought out concerning the relative importance of the different classes of expenses going to make up the total.

The following table shows, in percentages, the distribution of expenses among the classes indicated for all industries combined and for certain important industries separately. The figures on which the percentages are based appear in Table II.

	PER CE	NT OF T REPO		PENSES
INDUSTRY.	Sala- ries.	Wages.	Ma- terials.	Miscel- laneous ex- penses.
All industries. Cars and general shop construction and repairs	5.4	36.8	46,8	11.5
	5.2	50.5	42.8	1.4
Elulit-mill Shi gristmill producte	1 1 0	4.4	91.1	8.3
		37.9	30.6	26.8
		39.7	27.7	16.5
All other industries	4.9	26.3	59.7	9,2

This table shows that, for all industries combined, 46.3 per cent of the total expenses was incurred for materials, 42.2 per cent for services—that is, salaries and wages—and but 11.5 per cent for other purposes. As would be expected, these proportions vary greatly in the different industries.

Engines and power.—The following table shows, for all industries combined, the number of engines or other motors, according to their character, employed in generating power (including electric motors operated by purchased current) and their total horsepower at the censuses of 1909, 1904, and 1899. It also shows separately the number and horsepower of electric motors, including those operated by current generated in the manufacturing establishments.

POWER.	OFE	UMBE NGINI IOTOR	SOR	PER CEN HORSEPOWER. DISTRIBUTIO HORSEPOW			ION OF		
	1909	1904	1899 ( <sup>1</sup> )	1909	1904	1899 ( <sup>1</sup> )	1909	1904	1809
Primary power, total	348	109	105	15,465	5,948	8,658	100.0	100.0	100.0
Owned	206	109	105	12,220	5,680	3,650	79.0	95.5	99.8
Steam engines Gas and oil en-	159	74	85	11,781	5,097	3,283	76.2	85.7	89.7
gines Water wheels Water motors Other	43 4	23 6 6	11 9 	365 74	114 136 13 320	64 153 150	2,4 0.5	1.9 2.3 0.2 5.4	1,7 4.2 4.1
Rented	142	(2)	(2)	3,245	268	8	21.0	4.5	0.2
Electric motors Other	142	$\begin{pmatrix} 2\\ 2 \end{pmatrix}$	(2)	8,245	203 65	8	21.0	3.4 1.1	0, 2
Electric motors	212	1	(2)	4,586	233	8	100,0	100.0	100.0
Run by current gener- ated by establish- ment	70 142	1 ( <sup>2</sup> )	 (²)	1,341 3,245	30 203		29.2 70.8	12.9 87.1	100.0

 $^{\rm l}$  Includes the neighborhood industries and hand trades, omitted in 1904 and 1909.  $^{\rm s}$  Not reported.

This table shows that the increase in primary power was principally in power generated by steam engines. A slight increase in the number and horsepower of gas engines is also shown. The figures also show that the practice of renting power is greatly on the increase, 21 per cent of the total power being rented in 1909, as compared with but 4.5 per cent in 1904 and with 0.2 per cent in 1899. The use of electric motors for the purpose of applying the power generated within the

establishments is also shown as becoming more common, the horsepower of such motors increasing from 30 in 1904 to 1,341 in 1909.

Fuel.—Closely related to the question of kind of power employed is that of the fuel used in generating this power, or otherwise as material in the manufacturing processes. By far the greater part of the fuel used in the territory was consumed in the manufacture of coke and brick and tile, and is included under "All other industries" in the following table, which shows the quantity of each kind of fuel used in 1909.

INDUSTRY.	An- thra- cite coal (tons).	Bitu- minous coal (tons).	Coke (tons).	WOOD	Oil, in- cluding gaso- line (bar- rels).	Gas (1,000 feet).
All industries Cars and general shop construction and repairs by steam-railroad	498	854,622	888	27,447	14,012	225
companies. Flour-mill and gristmill products. Lumber and timber products. Printing and publishing. All other industries.	42	$\begin{array}{r} 40,712\\ 1,359\\ 6,697\\ 455\\ 805,399\end{array}$	110 778	$20,800 \\ 736 \\ 5 \\ 120 \\ 5,780$	1,944 91 49 159 11,767	213 12

NOTE .- In addition, there were 2 tons of other varieties of fuel reported.

### SUPPLEMENTARY DATA REGARDING IMPORTANT INDUSTRIES.

### (With statistics for laundries and custom gristmills.)

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantity and value of materials and products which do not appear on the general schedule. Data for one of these industries in New Mexico are here presented.

Lumber and timber products.—This industry, which is second in importance in value of products and average number of wage earners, is carried on largely in comparatively small plants, 34 out of the total of 76 establishments having products valued at less than \$5,000 each. The following statement gives the kind and quantity of the principal products of the sawmill branch of the industry for 1909 and 1899:

			QUAN	TITY.
	PRODUCT.		1909	1899
Rough lumber Lath Shingles		M feet b. m thousands thousands	91,987 10,571 150	30, 880 2, 165 4, 800

The table shows a large increase in the production of rough lumber and lath, but a considerable decrease in the quantity of shingles manufactured.

Laundries.—Statistics for steam laundries are not included in the general tables. In 1909 there were eight such establishments in the territory of New Mexico, two of which were in Albuquerque.

The following statement summarizes the statistics:

0	-
Number of establishments.	. 8
Persons engaged in the industry	168
Proprietors and firm members	
Salaried employees	16
Wage earners (average number)	146
Primary horsepower	146
Capital	\$164, 187
Capital Expenses	
Expenses	128, 344
Expenses	128, 344 77, 698

Of the eight establishments reported, four were operated by individuals, three by corporations, and one by a general partnership. Six establishments had receipts for the year's business of \$5,000 but less than \$20,000; and two over \$20,000 but less than \$100,000. The number of persons employed each month and the per cent which this number represented of the greatest number employed in any one month were as follows:

	WAGE E.	ARNERS.		WAGE E	ARNERS,
MONTH.	Number.	Per cent of maxi- mum,	MONTH.	Number.	Per cent of maxi- mum.
January. February. March. April. May. June.	133 139 139	81.7 81.1 84.8 84.8 92.1 90.2	July August. September October November December	143 148 164 156	90. 2 87. 2 90, 2 100. 0 95. 1 88. 4

The different kinds of primary power, the number of engines, and the amount of horsepower used in 1909 are shown in the following tabular statement:

KIND.	Number of engines.	Horse- power.
Primary power, total. Owned—Steam. Rented—Electric	) ð.	146 89 57

The kind and amount of fuel used are shown in the following statement:

KIND.	Unit.	Quantity.
Bituminous coal	Tons	1,690
Oil	Barrels	31
Gas	1,000 feet	33

Custom gristmills.—Statistics for custom gristmills are not included in the general tables, but are presented in the following general summary:

00		10
Number of establishments	 	19
Persons engaged in the industry	 	37
Proprietors and firm members	 	29
We are say (and min memories)	 1997 - 1997 1997 - 1997 - 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1	8
Wage earners (average number)	 •••••	1 255
Primary horsepower	 	1, 200
Capital		
Expenses		118,678
Expenses	 •••••	3 806
Services	 	1 7 7 9 170
Services	 	113,178
Miggollomooya	 	
Value of products	 	1 141, 653
value of products	 	

1 Includes estimate of all grain ground.

## TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899.

## THE TERRITORY-ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

		-	PERS	INDU	NGAGEI STRY.	IN						Talua	Value
INDUSTRY AND CITY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prie- tors and firm mem-	Sala- ried em- ploy-	Wage earn- ers (aver- age	Pri- mary horse- power.	Capital.	Salaries	Wagos.	Cost of mate- rials.	Value of prod- ucts,	added by manu- fac- ture.
				-bers.	ees.	num- ber).			Ex	pressed in	n thousai	nds.	
TERRITORY-All industries	1909 1904 1899	818 199 174	4,766 3,891	288 189	835 224 88	4,143 8,478 2,490	15,465 5,948 3,658	\$7,743 4,638 2,161	\$383 264 91	\$2,591 2,158 1,199	\$3,261 2,236 1,999	\$7,898 5,706 4,061	\$4,637 3,470 2,062
Bread and other bakery products	1909 1904 1899	32 27 18	94 62 72	37 28 24	3 1 6	54 33 42	26 6	100 64 52	(1) <sup>2</sup> 4	43 21 23	154 87 55	272 152 123	118 65 68
Brick and tile	1909 1904 1899	13 10 10	112 79 101	9 11 16	11 4 4	92 64 81	668 163 255	330 42 30	13 4 4	42 31 34	52 18 19	123 81 77	91 63 58
Cars and general shop construction and repairs by steam- railroad companies.	1909 1904 1899	11 10 7	1,594 1,736 1,080		105 69 19	1,489 1,667 1,061	3, 059 822 760	1,652 937 387	118 91 19	$1,138 \\ 1,229 \\ 585$	963 1,125 463	2, 251 2, 510 1, 069	1,288 1,385 606
Flour-mill and gristmill products	1909 1904 1899	16 13 16	48 45	13 14	7 2 2	28 29 35	532 399	257 139 167	5 2 2	17 14 20	354 312 296	462 388 391	108 76 95
Ice, manufactured	1909 1904 1899	10 7 4	69 32 27	4 5 3	15 $4$ $2$	50 23 22	$1,378 \\ 462 \\ 75$	424 190 118	16 5 2	33 20 15	42 16 15	144 84 78	102 68 63
Lumber and timber products	1909 1904 1899	76 31 33	1,620 1,280	84 32	61 78 9	1,475 1,170 637	4,885 3,140	2,374 1,945 214	90 93 6	714 565 198	578 319 147	2, 162 1, 435 459	1,584 1,116 312
Printing and publishing	1909 1904 1899	93 \$ 56 \$ 35	436 239 195	84 55 36	69 35 17	283 149 142	1,230 103 45	516 277 163	70 29 19	174 93 75	121 55 34	589 295 198	468 240 164
All other industries	1909 1904 1899	62 45 51	793 418	57 44	64 31 29	672 343 470	3, 687 853	2,090 1,044 1,030	69 40 35	430 180 249	1,017 304 970	1,895 761 1,666	878 457 696
CITIES OF 10,000 ?	го 50,0	000 INE	IABITA	NTS-	ALL I	NDUSI	TRIES (	OMBI	VED.				•
Albuquerque	1909	31	686	32	67	587	1,626	\$847	\$71	\$489	<b>\$</b> 584	\$1,288	\$704

Less than \$500.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.

TABLE II.-DETAIL STATEMENT FOR THE

					PERSON	s eng.	AGED I	n indu	STRY.			EARNE OR NEA DAY,	RS-NU REST R	MBER EPRESI	DEC. INTA-	
		Num- ber of		Pro-	Sala- ried	Cle	rks.		Wage earn	ers.		16 and	over,	Und	er 16,	Pri-
	INDUSTRY.	estab- lish- ments.	Total.	prie- tors and	officers, super- intend-			Aver-	Nun	aber.	Total.					mary horse- power.
				firm mem- bers.	ents, and man- agers.	Male.	Fe- male.	age num- ber.	Maximum month.	Minimum month.		Male.	Fe- male.	Male.	Fe- male.	
1	All industries	313	4,766	288	158	161	16	4,143	Se 4,591	Fe 3,616	(1)	(1)	(1)	(1)	(1)	15,465
2 3 4 5	Artificial stone. Bread and other bakery products Brick and tile. Cars and general shop construction and repairs by steam-railroad companies.	4 32 13 11	19 94 112 1, 594	5 37 9	1 10 32	1 73	2	14 54 92 1,489	My <sup>2</sup> 15 Fe <sup>2</sup> 55 Jy 130 De 1,687	No <sup>2</sup> 13 Au <sup>2</sup> 53 Mh 44 Fe 1, 322	15 55 186 1,687	15 52 184 1,687	2	1 2		28 668 3,059
6	Flour-mill and gristmill products	16	48	13	6	1		28	De 42	My 15	47	46			1	532·
7 8 9 10	Foundry and machine-shop products Ice, manufactured. Jewelry. Lime.	4 10 5 5	49 69 17 23	9 4 6 3	1 9 2	1 6	· · · · · · · · · · · · · · · · · · ·	38 50 11 18	No 46 Jy 78 Se <sup>2</sup> 12 My 32	Ja 31 Fe 21 Mh <sup>2</sup> 9 Se <sup>2</sup> 8	44 39 12 32	44 39 11 32		1		83. 1,378. 
11 12 18 14	Liquors, malt. Lumber and timber products. Printing and publishing. All other industries ?	3 76 93 41	37 1,620 436 648	1 84 84 33	34 34 35 25	3 23 26 27	4 8 2	30 1,475 283 561	Jy 44 Se 1,770 De 289	Ja <sup>2</sup> 21 Fe 1, 303 Mh 277	23 1,672 283	23 1,627 227	42	45 12		174 4,885 1,230 3,390
Bu	<sup>1</sup> No figures given for reasons explained in <sup>3</sup> Same number reported for one or more o <sup>6</sup> All other industries embrace	2	Carria	ges and	wagons a nd sheet-i				2	Food prej   Gas, illun   Leather g	nnating	and he	ating			0.

TABLE III .- DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES,

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

					PERSO	NS ENG	AGED	IN INDUS	TRY.			WAGE I OR NEA					
	and the second	Num- ber of estab-		Pro- prie-	Sala- ried ofii-	Cler	ks.	(a	Wage ea verage ni	rners umber).			16 and	l over.	Unde	er 16.	Pri- mary
		lish- ments	Total.	tors	cers, super- intend- ents, and man-	Male.	Fe- male.	Total.	10 and	over. Fe- male.	Un- der 16,	Total.	Male.	Fe- male.	Male.	1	power.
1	ALBUQUERQUE	31	686	32	agers.	40	, 5	587	576	5	6	632	621	5	6		1,626

# TERRITORY, BY INDUSTRIES: 1909.

T						EXPENSES.							
P				Services.		Mate	erials.		Miscel	lancous.		Value of	Value added by
	Capital.	Total.	Officials.	Clerks,	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	products.	manufac- ture.
1	\$7,742,617	\$7,048,798	\$288,225	\$145,031	\$2,591,379	\$853,054	\$2,407,989	\$31,386	\$61,512	\$125,405	\$594,817	\$7,897,756	\$4,636,713
2 3 4 5	12,680 100,160 329,771 1,652,406	27,296 211,579 98,784 2,250,921	900 12,870 53,542	1,200 425 64,417	13,090 42,563 41,764 1,137,686	8,346 25,911 41,088	13, 645 145, 430 5, 934 921, 749	125 5,588 105	101 987 537 7,110	100 4,200	335 6,465 7,038 25,329	$\begin{array}{r} 31,850\\ 272,403\\ 122,551\\ 2,250,920 \end{array}$	$18,205 \\ 118,627 \\ 90,706 \\ 1,288,083$
6	256,766	388, 392	3,940	600	17,168	11,073	342, 817	1,390	2,023		9,381	461,621	107,731
7 8 9 10	109,176 424,336 13,000 33,200	66,882 111,344 19,768 15,335	1,400 10,872 1,410	1,200 5,166	30,538 32,605 5,678 6,700	3,883 32,977 284 2,990	26, 564 9, 124 12, 760 2, 970	225 50 744 5	481 4,155 52 50	22 550	2,591 16,373 250 660	71,962 144,164 24,970 18,750	41, 515 102, 063 11, 926 12, 790
11 12 13 14	201, 743 2, 374, 496 516, 469 1, 718, 414	84,126 1,885,834 436,008 1,451,929	3, 300 66, 081 41, 172 42, 738	3,480 23,570 28,677 16,296	21,616 714,022 173,551 354,398	9,141 15,302 9,206 692,853	29,577 562,320 111,837 223,262	2,454 15,713 4,987	12,163 21,255 4,159 8,439	119,608 925	4,849 361,222 51,368 108,956	$\begin{array}{c c}107,101\\2,162,396\\588,782\\1,640,286\end{array}$	68, 383 1, 584, 774 467, 739 724, 171
Mit Pat	eral and soda ent medicines	dustries embra waters and compour	ids and drug	gists'	Pottery, terra- Salt Tobacco manı				2   Wa 1   Wo 2	il plaster ol scouring		·····	

# AND TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909.

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

						EXPENS	es.						
	Capital.			Services.		Mat	erials.		Miscell	ancous.		Value of products,	Value added by manu-
		Total.	Officials.	Clerks.	Wage earners.	Fuel and rent of power,	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	Production	facture.
1	\$847,142	\$1,214,456	\$26, 523	<b>\$</b> 44, 696	\$489,169	\$39,988	\$543,836	\$7,685	\$23,141	\$1,015	\$38,403	\$1, 288, 349	\$704,525

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# NEW YORK.

# INDUSTRIES IN GENERAL.

General character of the state.—New York, with a gross area of 49,204 square miles, of which 1,550 square miles represent water surface, ranks twenty-ninth in size among the states of the Union. Its population in 1910 was 9,113,614, as compared with 7,268,894 in 1900 and 6,003,174 in 1890. It has ranked first among the states and territories as regards population since 1820. In density of population New York is the fifth state in the Union, having 191.2 persons per square mile in 1910, the corresponding figure for 1900 being 152.5. Seventy-eight and eight-tenths per cent of the entire population of the state in 1910 resided in incorporated places having a population of 2,500 or over, as against 72.9 per cent in 1900.

In 1910 the following 9 cities in the state had a population of over 50,000: New York City, 4,766,883; Buffalo 423,715; Rochester, 218,149; Syracuse, 137,249; Albany 100,253; Yonkers, 79,803; Troy, 76,813; Utica, 74,419; and Schenectady, 72,826. There were also 42 cities and villages having a population of over 10,000 but less than 50,000.<sup>1</sup> The 51 cities and villages having more than 10,000 inhabitants contained 74.3 per cent of the total population of the state, while only 4.5 per cent resided in incorporated places having between 2,500 and 10,000 inhabitants.

The geographic position and topography of New York, as well as the abundant natural wealth of its fields, forests, mines, and quarries, have contributed to its industrial development and have been instrumental in making it the leading manufacturing state of the Union. The Mohawk, upper Hudson, Black, and Genesee Rivers and Niagara Falls furnish the major part of the water power, which, either directly or through the agency of transmitted electric current, serves a large percentage of the manufacturing establishments of the state. The Hudson River, the Erie Canal, connecting Lake Erie with the Hudson River, and a system of canals which connect Lake Ontario with the Erie Canal and Lake Champlain with the Hudson River, form a network of inland waterways for the exchange of various commodities within the state and furnish excellent communication by water from Duluth and Chicago in the West and from various points in Canada on the north to New York City, thereby affording an outlet for coastwise and foreign commerce through the most important seaport in the United States. A large majority of the commercial and manufacturing centers of the state are located on

these waterways or on the connecting waterways which border the state. The 8,448 miles<sup>2</sup> of steam-railway trackage within the state also afford excellent transportation facilities.

Importance and growth of manufactures.—Although New York has important interests in agriculture and mining, its predominance is most marked in manufacturing. Since the completion of the Erie Canal in 1825, New York has held the foremost rank in this respect, though since 1849, when the first authoritative census of manufactures was taken, the proportion which the state has contributed to the total value of manufactured products in the entire United States has decreased somewhat. This proportion was 23.3 per cent in 1849 and only 16.3 per cent in 1909.

In 1849 the total value of the manufactured products of New York, including those of the neighborhood and hand industries, amounted to \$237,597,249, while in 1909, exclusive of the value of the products of the neighborhood and hand industries, it reached a total of \$3,369,490,192, or more than fourteen times that in 1849. During the same period the population of the state increased 194.2 per cent. In 1849 an average of 199,349 wage earners, representing 6.4 per cent of the total population were employed in manufactures, while in 1909 an average of 1,003,981 wage earners, or 11 per cent of the total population, were so engaged. During this period the gross value of products per capita of the total population of the state increased from \$77 to \$370.

The table on page 800 gives the most important figures relative to all classes of manufactures combined for 1909, 1904, and 1899, together with the percentages of increase from census to census.

In 1909 the state of New York had 44,935 manufacturing establishments, which gave employment to an average of 1,203,241 persons during the year and paid out \$743,263,000 in salaries and wages. Of the persons employed, 1,003,981 were wage earners. These establishments turned out products to the value of \$3,369,490,000, to produce which materials costing \$1,856,904,000 were utilized. The value added by manufacture was thus \$1,512,586,000, which figure, as explained in the Introduction, best represents the net wealth created by manufacturing operations during the year.

The totals presented in the table on page 800 do not include the statistics for five establishments operated by

 $<sup>^{1}</sup>$  For the names and the population of these cities and villages, see the table on p. 814.

<sup>&</sup>lt;sup>2</sup> Interstate Commerce Commission, Statistics of Railways in the United States, 1909.

the Federal Government—the United States Naval Clothing Factory and the United States navy yard at Brooklyn, the United States Lighthouse Establishment at Tompkinsville, the Watervliet Arsenal, and the West Point gas plant. In 1909 these plants employed an average of 4,095 wage earners and reported products valued at \$9,330,918.

In general, this table shows that the manufacturing industries of New York as a whole developed at about the same rate during each of the two five-year periods covered by the table. The earlier five-year period, 1899-1904, shows the larger percentages of increase in value added by manufacture and in number of wage earners, but the later period, 1904–1909, shows the greater gains in number of establishments and in value of products. During this latter period the number of establishments increased 20.8 per cent and the average number of wage earners 17.2 per cent, while the value of products increased 35.4 per cent and the value added by manufacture 32.7 per cent.

As pointed out in the Introduction, it would be improper to infer that manufactures increased in volume to the full extent indicated by these figures relating to values, since the increase shown is certainly due, in part, to the increase that has taken place in the prices of commodities.

		NUMBER OR AMOUNT,		PER CENT O	F INCREASE
	1909	1904	1899	1904-1909	1899-1904
Number of establishments. Persons engaged in manufactures. Proprietors and firm members. Salaried employees. Wage earners (average number). Primary horsepower. Capital. Expenses. Services. Salaries. Wages. Materials. Miscellaneous. Value of products. Value added by manufacture (value of products less cost of materials).	$\begin{array}{r} 1, 203, 241 \\ 47, 569 \\ 151, 691 \\ 1, 003, 981 \\ 1, 997, 662 \\ \$2, 779, 497, 000 \\ 2, 986, 241, 000 \\ 743, 263, 000 \\ 186, 032, 000 \\ 186, 032, 000 \\ 1, 856, 904, 000 \end{array}$	$\begin{array}{r} 37, 194\\ 996, 725\\ 41, 766\\ 98, 012\\ 856, 947\\ 1, 516, 592\\ \$2, 031, 460, 000\\ 2, 191, 339, 000\\ 541, 160, 000\\ 111, 145, 000\\ 430, 015, 000\\ 1, 348, 603, 000\\ 301, 576, 000\\ 2, 488, 346, 000\\ 1, 139, 743, 000\\ \end{array}$	$\begin{array}{c} 35, 957 \\ (1) \\ (1) \\ 68, 030 \\ 726, 909 \\ 1, 099, 931 \\ \$1, 523, 503, 000 \\ 1, 617, 605, 000 \\ 414, 064, 000 \\ 76, 740, 000 \\ 337, 324, 000 \\ 1, 018, 377, 000 \\ 1, 851, 164, 000 \\ 1, 871, 831, 000 \\ 853, 454, 000 \\ \end{array}$	$\begin{array}{c} 20.8\\ 20.7\\ 13.9\\ 54.8\\ 17.2\\ 31.7\\ 36.8\\ 36.3\\ 37.3\\ 67.4\\ 29.6\\ 37.7\\ 28.0\\ 35.4\\ 32.7\\ \end{array}$	3. 4 44. 1 17. 9 37. 9 33. 3 35. 5 30. 7 44. 8 27. 5 32. 4 62. 9 32. 9 33. 5

<sup>1</sup> Figures not available.

The relative importance and growth of the leading manufacturing industries of the state are shown in the table on pages 801 and 802.

It should be borne in mind, in considering that table, that the value of products in some of the industries involves a certain amount of duplication, due to the use of the products of one establishment in the industry as material for other establishments.

The table referred to gives separate statistics for 139 industries or industry groups for which products valued at more than \$1,000,000 were reported in 1909. These industries include 12, with products exceeding \$50,000,000 in value; 20, with products between \$25,000,000 and \$50,000,000 in value; and 26, with products between \$10,000,000 and \$25,000,000, making an aggregate of 58 industries with a value of products in excess of \$10,000,000 each. The other industries shown separately comprise 30 with products between \$5,000,000 and \$10,000,000 in value, and 51 with products between \$1,000,000 and \$5,000,000.

In addition to the industries presented separately in the table, there were 32 other industries in the state which reported products in 1909 to the value of \$1,000,000 or over, comprising 5, with products exceeding \$10,000,000 in value; 2, with products between \$5,000,000 and \$10,000,000 in value; and 25, with products between \$1,000,000 and \$5,000,000 in value. These industries are included under the head

of "All other industries" in the table, in some instances, because the operations of individual establishments would be disclosed if they were shown separately; in others, because the returns do not present properly the true condition of the industry, for the reason that it is more or less interwoven with one or more other industries; and in still others, because comparative statistics can not be presented for either 1904 or 1899 on account of changes in classification or because such figures would disclose the operations of individual establishments.<sup>1</sup> Of the industries which are not presented separately in this table, the refining of cane sugar is of special importance, as New York contributed over one-third of the total value of products for the industry in 1909. The 1909 statistics for the manufacture of moving pictures and of signs and advertising novelties are presented separately in Table II, page 878.

<sup>1</sup> These industries are:	
A wnings, tents, and sails. Baking powders and yeast. Bolting and hose, woven and rubber. Billiard tables and materials. Coke. Flavoring extracts. Gluce. Grease and tallow. Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or roll- ing mills. Iron and steel forgings. Labels and tags. Liquors, distilled. Locomotives, not made by railroad com- panies.	Matches. Mineral and Moving pict Mucilage an. Oil, not else Paving mat Petroleum, j Roofing mai Signs and ac Signs and ac Signs and ac Signs reflati Sulphuric, I Tin Ioil. Upholsterin Waste.

Mineral and soda waters. Moving pictures. Moving pictures. Oil, not elsewhere specified. Paving materials. Petroleum, refining. Roofing materials. Signs and advertising novelties. Simulting and refining, copper. Sporting and athletic goods. Sugar refining, not including beet sugar. Sulphuric, nitric, and mixed acids. Fin foil. Upholstering materials.

# MANUFACTURES-NEW YORK.

There are a large number of industries in New York which are of considerable importance, not only in the state, but in the United States. Furthermore, it will be seen from the following table, or still more clearly from Table II, where figures are given separately for an even larger number of industries, that there is a

wide diversity in the manufacturing activities of the state. With the exception of Pennsylvania, the diversity is greater in New York than in any other state in the Union. Of the 264 classifications used in the presentation of the 1909 manufactures, statistics for the country as a whole, 243 were represented in New York.

		WAGE EAT	INERS.	VALUE OF PRO	DUCTS.	VALUE ADDE MANUFACTU		PER	CENT OF	INCREASE	1.1
INDUSTRY.	Num- ber of estab- lish-		Per	· · ·	Per		Percent	Valu produ		Value ad manufa	ded by oture.
	ments.	Average number.	cent distri- bution.	Amount.	cent distri- bution.	Amount.	distri- bution.	1904- 1909	1899- 1904	1904- 1909	1899- 1904
All industries	44, 935	1, 003, 981	100. 0	\$3, 369, 490, 000	100.0	\$1, 512, 588, 000	100.0	35.4	32.9	32.7	33.5
Clothing, women's. Clothing, men's, including shirts. Printing and publishing. Foundry and machine-shop products. Slaughtering and meat packing.	3, 083 2, 983 4, 426 1, 872 238	98, 104 91, 363 63, 120 64, 066 6, 110	9.8 9.1 6.3 6.4 0.6	$\begin{array}{c} 272, 518, 000\\ 266, 075, 000\\ 216, 946, 000\\ 154, 370, 000\\ 127, 130, 000\end{array}$	8.1 7.9 6.4 4.6 3.8	$\begin{array}{r} 124,376,000\\ 130,748,000\\ 160,452,000\\ 92,749,000\\ 16,962,000\end{array}$	$8.2 \\ 8.6 \\ 10.6 \\ 6.1 \\ 1.1$	57.0 42.0 31.6 20.7 68.3	62.4 25.9 39.6 0.2 29.4	52.0 41.3 28.0 18.2 93.4	$\begin{array}{c} 63.5\\ 25.4\\ 44.0\\ 11.7\\ 21.3 \end{array}$
Bread and other bakery products. Liquors, malt Tobacco manufactures. Lumber and timber products. Flour-mill and gristmill products.	3, 978 184 3, 371 2, 263 983	21, 357 8, 781 30, 019 27, 471 2, 990	2.1 0.9 3.0 2.7 0.3	86, 233, 000 77, 720, 000 76, 662, 000 72, 530, 000 69, 802, 000	2.6 2.3 2.3 2.2 2.1	33, 495, 000 58, 837, 000 45, 321, 000 30, 825, 000 9, 332, 000	2.2 3.9 3.0 2.0 0.6	41.3 25.4 16.9 17.0 28.0	41. 8 10. 4 22. 2 16. 9 51. 8	35.9 27.6 12.3 5.5 30.1	26.4 3.1 16.8 30.9 47.2
Hoslery and knit goods. Millinery and hace goods. Electrical machinery, apparatus, and supplies. Paper and wood pulp. Boots and shoes, including cut stock and findings	360 931 217 178 296	35,950 21,078 18,972 12,073 21,627	3.6 2.1 1.9 1.2 2.2	$\begin{array}{r} 67,130,000\\52,106,000\\49,290,000\\48,800,000\\48,186,000\end{array}$	2.0 1.5 1.5 1.4 1.4	28,453,000 24,971,000 21,807,000 17,093,000 19,211,000	$1.9 \\ 1.6 \\ 1.4 \\ 1.1 \\ 1.3$	44.9 58.6 39.4 29.4 28.4	$\begin{array}{c} 28. \ 6\\ 56. \ 1\\ 55. \ 8\\ 41. \ 3\\ 33. \ 4\end{array}$	57.1 56.5 24.6 14.4 27.0	14.9 61.8 72.3 23.0 39.9
Butter, cheese, and condensed milk. Gas, illuminating and heating Furnishing goods, men's Furniture and refrigeratofs. Fur goods.	$\begin{array}{c c} 1,552\\ 141\\ 375\\ 676\\ 863\end{array}$	2,866 6,422 18,186 20,281 8,244	0, 3 0, 6 1, 8 2, 0 0, 8	$\begin{array}{r} 42, 458, 000\\ 42, 347, 000\\ 42, 197, 000\\ 41, 929, 000\\ 41, 301, 000\end{array}$	$ \begin{array}{c c} 1.3\\ 1.3\\ 1.3\\ 1.2\\ 1.2\\ 1.2 \end{array} $	6,297,000 27,329,000 20,621,000 22,773,000 17,161,000	$\begin{array}{c} 0.4 \\ 1.8 \\ 1.4 \\ 1.5 \\ 1.1 \end{array}$	36.7 19.9 43.8 43.0 57.4	16. 9 68. 8 18. 9 65. 8	48.0 12.1 40.6 34.3 55.9	4.5 61.9 18.7 55.1
Iron and steel, steel works and rolling mills Copper, tin, and sheet-iroft products	. 25 686	10,091 14,689	1.0 1.5	39, 532, 000 38, 452, 000	1 I		$\begin{array}{c} 0.9\\ 1.2 \end{array}$	86.2 40.8	140.9 41.6	71.2	71.6
Iron and steel, steel works and rolling mills. Copper, tin, and sheet-iroff products. Patent medicines and compounds and druggists' prep- arations. Chemicals. Musical instruments, planos and organs and materials.	. 743. 74 184	4,728 5,746 11,938	0.5 0.6 1.2	37,343,000 35,346,000 33,680,000	1.0	15,637,000	$1.6 \\ 1.0 \\ 1.1$	30, 4 53, 5 44, 0	7.9 43.9 58.6	24.8 55.4 30.1	21.0 37.4 52.0
Automobiles, including bodies and parts. Paint and varnish. Leather, tanned, curried, and finished Iron and steel, blast furnaces. Silk and silk goods, including throwsters.	113 147 109 9 170	9,861 3,047 5,688 2,298 12,903	0.2	30, 980, 000 28, 559, 000 27, 642, 000 26, 621, 000 26, 519, 000	0.8	10,664,000 6,701,000 5,704,000	0.4	627.2 13.7 27.7 208.3 31.4	834.2 33.1 -6,7 71.1 58.8	29.2 24.8 152.3	-7.2 47.0
Carpets and rugs, other than rag. Confectionery Woolen, worsted, and feit goods, and wool hats. Soap. Brass and bronze products.	16 249 64 67 247	11,898 8,570 9,460 2,976 6,651	0.9	25, 540, 000 23, 739, 000 23, 583, 000	0.8	9,896,000 8,995,000 7,971,000	0.7	32.0 40.0 21.9 76.0	29.1 34.0 23.4	29.0	41.5 23.4
Cars and general shop construction and repairs by steam-railroad companies Artificial flowers and feathers and plumes Leather goods Jewelry Cotton goods, including cotton small wares		8,493 7,586 5,379	0.8	21,162,000 20,997,000 20,363,000		3 8,904,000 3 9,365,000 3 9,930,000	0.6	21.5 429.4 21.9 64.8 51.5	$ \begin{array}{c} 10, 4\\ -20, 3\\ 42, 5\\ 20, 6\\ 24, 5 \end{array} $	251.419.259.280.1	$ \begin{array}{r} -10.0 \\ 41.3 \\ 29.4 \\ -5.5 \end{array} $
Canning and preserving Photographic apparatus and materials Marble and stone work. Coffee and spice, roasting and grinding. Food preparations.		4,088 6,939 1,519	0.4	18,764,000 17,921,000 17,430,000		13,797,000           5         10,845,000           5         4,776,000	0.9	13.2 97.0 10.1 -35.4 51.9	11,9	103.5 2.9 11.5 61.0	$ \begin{array}{c c} 187.0 \\ 16.8 \\ -1.3 \\ 49.9 \end{array} $
01, linseed Agricultural implements. Gloves and mittens, leather. Boxes, fancy and paper. Carriages and wagons and materials.		6,28 11,53	7 0.6 7 0.6 8 1.1	14,971,00 14,336,00 14,234,00	0 0. 0 0. 0 0.	4 8,556,00 4 6,313,00 4 8,121,00	0 0.6 0 0.4 0 0.5	44.1	23. 8 8. 3 52, 1	3 16. 3 48. 1 13.	29.0 -6.1 42.8
Gas and electric fixtures and lamps and reflectors Cordage and twine and jute and linen goods Paper goods, not elsewhere specified. Shipbuilding, including boat building Majt	183 1( 107 251 32	5,95 5,95 4,30 5,64	2 0.6 3 0.4 4 0.6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 0. 0 0. 0 0. 0 0.	4 4,626,00 4 5,325,00 3 7,492,00	0 0.5 0 0.3 0 0.4 0 0.5 0 0.1	-23.0 59.7 1.3	35. 24. 30,	$ \begin{array}{c cccc} 9 & -12. \\ 8 & 57. \\ 3 & 3. \\ \end{array} $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Typewriters and supplies. Hais, fur-feit. Wire. Dyeing and finishing textiles. Buttons.		4 5,01 7 1,43 1 5,25	9 0.	5 10,219,00 1 10,065,00 5 9,673,00	0 0. 0 0. 0 0.	3 4,813,00	NU   U.9	32.0 7.1 121.8	38. 4,745. 20.	2 12, 9 60, 3 83, 3 120,	0 42.3 5 3,002.2 1 35.9 5 65.3
Smelting and refining, not from the ore Stoves and furnaces, including gas and oll stoves Rubber goods, not elsewhere specified Lapidary work. Brick and tile	1	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(7) (6) (9) (9)	2 8,784,0	00 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 0,4 0 0,5 0 0,5 0 0,5	6. 17, 13.	1 3 55. 3 34. 5 30.	$\begin{array}{c c}  & 51. \\  & -4. \\  & 2 \\  & 82. \\  & 7 \\  & 10. \\ \end{array}$	$\begin{array}{c} 4\\ 3\\ 5\\ 5\\ 30.1\\ 8\\ 32.5 \end{array}$
Fancy articles, not elsewhore specified Hatr work Silverware and plated ware Hats and caps, other than felt, straw, and wool House-turnishing goods, not elsewhere specified <sup>1</sup> Percentages are based on figures in Table I.		2 2,3 3 3,0 4 3,3 9 1,8	13 0. 35 0. 48 0. 12 0.	2 7,861,0 3 7,859,0 3 7,826,0 2 7,789,0	00   U 00   C 00   C	.2         4,541,0           .2         3,361,0           .2         4,270,0           .2         3,951,0           .2         2,099,0           entages are omiti	00 0. 00 0. 00 0.	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c cccc} 6 & 6.0 \\ 3 & 14.1 \\ 3 & -11.6 \\ 7 & 22.3 \end{array}$

Percentages are based on figures in Table I; a minus sign (-) denotes decrease. Where the percentages are omitted, compare Less than one-tenth of 1 per cent.

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# MANUFACTURES-NEW YORK.

		WAGE EA	RNERS.	VALUE OF PRO	DUCTS.	VALUE ADDI MANUFACT		PER	CENT OF	INCREAS	E. <sup>1</sup>
INDUSTRY.	Num- ber of estab- lish- ments.	Average	Per cent	Amount.	Per cent distri-	Amount.	Per	Valu produ		Value ad manufe	ided by source.
		number.	distri- bution.		bution.		distri- bution.	1904- 1909	1899- 1904	1904 1909	1899- 1904
Hats, straw Cooperage and wooden goods, not elsewhere specified	46 364	2,508 2,611	0. 2 0. 3	\$7,617,000 7,526,000	0. 2 0. 2	\$3,624,000 2,596,000	0. 2 0. 2	190. 2 0, 4	32.7	186. 3 3. 3	
Hats, straw Cooperage and wooden goods, not elsewhere specified Cars and general shop construction and repairs by street-railroad companies Umbrellas and canes Belting and hose, leather	62 142 28	4,480 1,919 604	0.4 0.2 0.1	6,640,000 6,427,000 6,420,000	0.2 0.2 0.2	3,460,000 2,296,000 2,319,000	0, 2 0, 2 0, 2	$71.1 \\ 36.4 \\ 11.7$	10.4 9.8 74.6	34. 0 23. 8 16. 8	29.9 2.9 122.3
Brooms and brushes. Cutlery and tools, not elsewhere specified Clocks and watches, including cases and materials. Babbitt metal and solder. Cars, steam-railroad, not including operations of rail- rond companies.	171 161 27 24 4	2,897 4,478 2,467 192 2,387	0.3 0.4 0.2 ( <sup>3</sup> ) 0.2	6, 290, 000 6, 218, 000 6, 184, 000 6, 123, 000 5, 940, 000	0.2 0.2 0.2 0.2 0.2	3,110,000 4,365,000 3,903,000 1,052,000 2,514,000	0.2 0.3 0.3 0.1	16. 4 35. 8 50. 1 23. 3 39. 7	24.6 81.8 -16.5 61.4	21, 8 31, 3 106, 9 59, 6	23.4 91.0 5.9 84.1
Mattresses and spring beds. Wirework, including wire rope and cable Chocolate and cocoa products. Bags, paper. Window shades and fixtures.		1,621 1,649 755 1,032 911	0.2 0.2 0.1 0.1 0.1	5,899,000 5,875,000 5,823,000 5,613,000 5,476,000	0. 2 0. 2 0. 2 0. 2 0. 2 0. 2	2,438,000 2,090,000 1,656,000 1,680,000 1,530,000	0.2 0.1 0.1 0.1 0.1 0.1	28.7 61.4 42.8 96.4 89.9	-18,7 24.3 50.1 50.2 68.6 -2,1	68.0 37.5 -5.5 17.9 57.6 72.1	0.9 4.4 78.0 85.0 85.1 11.5
Wall paper. Corsets Dentisits' materials Bags, other than paper Glass, cutting, staining, and ornamenting	13 47 15	1,602 2,436 266 1,000 3,118	0.2 0.2 ( <sup>2</sup> ) 0.1 0.3	5,277,000 5,161,000 5,114,000 4,986,000 4,847,000	0.2 0.2 0.2 0.1 0.1	2,803,000 2,677,000 537,000 870,000 3,178,000	0.2 0.2 ( <sup>2</sup> ) 0.1 0.2	$\begin{array}{r} -5.7\\ 208.1\\ 40.1\\ 36.7\\ 14.0 \end{array}$	16, 3 4, 4 505, 1 62, 1 19, 5	(2) 153.0 -42.1 36.8 8.3	23,0 22,3 291,6 15,2 36,3
Glass. Dyestuffs and extracts. Wall plaster Fertilizers. Dairymen's, poulterers', and apiarists' supplies	24 18 31 15 31	3,114 418 1,337 908 802	0.3 ( <sup>2</sup> ) 0.1 0.1 0.1	$\begin{array}{r} 4,509,000\\ 4,505,000\\ 4,494,000\\ 4,251,000\\ 4,213,000\end{array}$	0.1 0.1 0.1 0.1 0.1	$     \begin{array}{r}       3,350,000 \\       1,638,000 \\       2,069,000 \\       1,596,000 \\       2,928,000 \\     \end{array} $	$\begin{array}{c} 0.2\\ 0.1\\ 0.1\\ 0.1\\ 0.2\end{array}$	5.4 66.5 20.3 104.2 67.8	55. 2 28. 1 	16, 8 55, 4 26, 1 113, 4 136, 5	54.4 24.3 
Ink, printing. Optical goods. Blacking and cleansing and polishing preparations Hat and cap materials. Ice, manufactured.	29 51 88 32 89	525 2,047 658 965 1,124	0.1 0.2 0.1 0.1 0.1	4,059,000 3,996,000 3,836,000 3,835,000 3,808,000	$\begin{array}{c} 0.1 \\ 0.1 \\ 0.1 \\ 0.1 \\ 0.1 \\ 0.1 \\ 0.1 \end{array}$	$\begin{array}{c} 2,181,000\\ 2,771,000\\ 2,009,000\\ 1,060,000\\ 2,764,000 \end{array}$	0.1 0.2 0.1 0.1 0.2	75.0 113.7 41.1 13.4 117.7	63. 6 6. 2 42. 1 93. 1 66, 4	79. 2 132. 5 54. 4 0. 3 135. 8	84.8 113.5
Coffins, burial cases, and undertakers' goods Steam packing. Looking-glass and picture frames. Olleicht and linoleum. Pottery, terra-cotta, and fire-clay products	34 36 140 4 39	1,235 901 1,491 1,102 2,367	0.1 0.1 ,0.1 0.1 0.2	3, 785, 000 3, 783, 000 3, 555, 000 3, 522, 000 3, 403, 000	0, 1 0, 1 0, 1 0, 1 0, 1	$\begin{array}{c}1,714,000\\1,812,000\\2,092,000\\1,356,000\\2,528,000\end{array}$	0.1 0.1 0.1 0.1 0.2	2.9 61.0 28.2 3.5	36, 1 270, 5 10, 7 37, 7	-4.4 27.1 14.5 4.6	336.1 0.1
Wood distillation, not including turpentine and rosin Stationery goods, not elsewhere specified Instruments, professional and scientific Mirrors Pens, fountain, stylographic, and gold	29 55 87 47 30	503 1,243 1,964 983 730	$\begin{array}{c} 0.1 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.1 \end{array}$	3, 402, 000 3, 344, 000 3, 308, 000 3, 262, 000 3, 219, 000	0.1 0.1 0.1 0.1 0.1	$\begin{array}{r} 883,000\\ 1,734,000\\ 2,333,000\\ 1,263,000\\ 1,656,000\end{array}$	0.1 0.1 0.2 0.1 0.1	1.332.162.012.865.5	$ \begin{array}{r}     18.2 \\     23.2 \\     -26.7 \\     64.6 \end{array} $	50, 6 25, 0	16.5 27.0 30.1
Pipes, tobacco. Photo-engraving. Salt. Gold and silver, reducing and refining, not from the ore. Emery and other abrasive wheels.	30 66 33 10 10	$1,063 \\ 1,395 \\ 1,525 \\ 42 \\ 719$	0.2 0.1 0.2 ( <sup>2</sup> ) 0.1	3, 212, 000 2, 908, 000 2, 897, 000 2, 603, 000 2, 561, 000	0.1 0.1 0.1 0.1 0.1	$\begin{array}{c}1,780,000\\2,353,000\\1,702,000\\207,000\\1,481,000\end{array}$	0.1 0.2 0.1 ( <sup>2</sup> ) 0.1	70.8 46.3 8.5 31.1 3,360.8	$ \begin{array}{c} 11.2\\ 68.6\\ 17.3\\ -16.6\\ \end{array} $	49.4	64.9 13.8 59.3
Cordials and sirups. Models and patierns, not including paper patierns Wood, turned and carved. Cement Firearms and ammunition	38 136 159 15 8	294 1,082 1,279 1,443 1,781	( <sup>3</sup> ) 0.1 0.1 0.1 0.2	2, 513, 000 2, 461, 000 2, 422, 000 2, 409, 000 2, 374, 000	0.1 0.1 0.1 0.1 0.1	$\begin{array}{c} 1,023,000\\ 1,841,000\\ 1,503,000\\ 1,609,000\\ 1,866,000\end{array}$	0:1	127.4 95.2 86.5 23.2 87.5		96, 1 74, 8	24.5 16.5
Vinegar and cider. Boxes, cigar. Stereotyping and electrotyping . Paper patterns. Lead, bar, pipe, and sheet.	56 47 16	529 1,531 905 761 185	0.1	2,246,000 2,234,000 2,228,000 2,166,000 2,069,000	0.1	766,000 1,108,000 1,602,000 1,643,000 348,000	0.1	$ \begin{array}{c} 17.5 \\ -4.7 \\ 39.0 \\ -3.4 \\ -37.0 \end{array} $	52.5 46.5 476.3	-10.4 29.7 -14.0	59.2 42.8 532.4
Baskets, and rattan and willow ware . Flags, banners, regalia, society badges, ar.; emblems Toys and games Cork, cutting Liquors, vinous.	169 64 67 32 41	1,237 813 1,197 835 271	0.1	1,947,000 1,864,000 1,849,000 1,817,000 1,817,000	0.1	$\begin{array}{c} 1, 127, 000\\ 972, 000\\ 1, 002, 000\\ 647, 000\\ 1, 036, 000\end{array}$	0.1 0.1 (2)	$\begin{array}{r} -0.1\\ 93.4\\ 12.5\\ 171.2\\ -19.2\end{array}$	90. 1 43. 5	100. 8 19, 9 102, 2	8 8.3 60-2 81.8 5 136.1
Jewelry and instrument cases. Candles. Surgical appliances and artificial limbs. Artificial stone. Furs, dressed.	67 9 72 176 52	1,172 347 464 711 755		$\begin{array}{c} 1,781,000\\ 1,670,000\\ 1,490,000\\ 1,357,000\\ 1,357,000\\ 1,240,000\end{array}$	(3) (3) (3) (3) (3)	$\begin{array}{c} 1,103,000\\ 571,000\\ 983,000\\ 834,000\\ 968,000\end{array}$	(*) 0.1 0.1	24. 4 25. 4 23. 1 45. 9 -11. 4	40, 2	43. 1 10. 2 28. 7	1 2 3 3 3 91.9
Scales and balances. Bicycles, motorcycles, and parts. Electroplating. Cloth, sponging and refinishing. All other industries.	16 20 130 25 2, 262	453 558 652 604 40,369	0.1	1,180,000 1,165,000 1,116,000 1,030,000 314,400,000		760,000 643,000 874,000 970,000 78,300,000	(*) 0.1 0.1	36.6 53.5 5.8 37.5	-80.5	2 56.1 ) 6.1 [ 34.2	1 -79.8 5 9.9

<sup>1</sup> Percentages are based on figures in Table I; a minus sign (-) denotes decrease. Where the percentages are omitted, comparable figures can not be given. <sup>2</sup> Less than one-tenth of 1 per cent.

Some of the most important of the industries listed in the above table, together with certain groups of industries formed by combining two or more of those shown in the tables, are given special consideration, as follows. Clothing.—The women's clothing and men's clothing industries combined gave employment in 1909 to an average of 189,467 wage earners, and the total output was valued at \$538,593,000, being 18.9 per cent and 16 per cent of the respective totals for all manufac-

turing industries in the state, whereas in 1904, with 138,952 wage earners and \$360,957,000 as the value of products, the corresponding proportions were 16.2 per cent and 14.5 per cent, respectively. The increase in the value of clothing manufactured in New York from 1904 to 1909 was \$177,636,000, or 49.2 per cent, and that from 1899 to 1904 was \$105,221,000, or 41.1 per cent, percentages which were greater than those for all manufacturing industries in the state combined. The manufacture of clothing under the factory system in New York began about 1835, but the early development of the industry was associated particularly with the invention of the sewing machine about 1846. In 1849 there were 976 establishments in the state manufacturing ready-made clothing, which gave employment to an average of 41,071 wage earners and turned out products valued at \$16,008,000. The introduction about 1870 of the cutting machine, by which many garments could be cut at one operation, had a stimulating effect upon this industry. At the census of 1889, when the first attempt was made to segregate the statistics for establishments manufacturing clothing under the factory system from establishments doing custom tailoring and dressmaking, there were 3.843 establishments in which ready-made clothing was manufactured, which employed an average of 96,822 wage earners and turned out products valued at \$159,452,000.

The value of products of the clothing industries in New York has not only increased remarkably during the last 20 years, but at each succeeding census it has formed a greater proportion of the aggregate value reported for the clothing industries in the United States, this proportion being 45.2 per cent in 1889 and 56.5 per cent in 1909. Measured by value of products. the women's clothing branch shows the greatest progress, surpassing the men's clothing branch in this respect for the first time in 1909. The total value of products for the former branch was \$45,087,000 in 1889, \$106,892,000 in 1899, and \$272,518,000 in 1909, an increase of \$61,805,000, or 137.1 per cent, from 1889 to 1899, and of \$165,626,000, or 154.9 per cent, from 1899 to 1909. The proportion which the value of women's clothing formed of the combined value of products reported for the two branches increased from 41.8 per cent in 1899 to 48.1 per cent in 1904, and to 50.6 per cent in 1909.

Printing and publishing.—This industry includes the printing and publishing of books, newspapers and periodicals, and music, job printing, bookbinding and blank-book making, plate printing, and lithographing. New York led all the states in the industry as a whole and in each of its branches, with combined products valued at \$216,946,000 in 1909, this amount representing 29.4 per cent of the total value of products for the industry in the United States. Printing and publishing was the first industry in the state both in number of establishments, with 4,426, or 9.8 per cent of the total number shown for all manufacturing industries, and in value added by manufacture, with \$160,452,000, or 10.6 per cent of the state total. Although the proportions shown for wage earners (6.3 per cent) and value of products (6.4 per cent) were not so great, decided increases occurred in both of these items during each five-year period, the gains during the more recent period, 1904–1909, being 9,684, or 18.1 per cent, and \$52,112,000, or 31.6 per cent, respectively.

Textiles .-- The textile industries of New York--comprising the manufacture of hosiery and knit goods; silk and silk goods; carpets and rugs, other than rag; woolen, worsted, and felt goods, and wool hats; cotton goods, including cotton small wares; cordage and twine and jute and linen goods; and fur-felt hats-considered as a unit, rank high among the manufacturing industries of the state when measured by value of products. Combined, the seven allied branches gave employment in 1909 to an average of 91,839 wage earners and manufactured products to the value of \$185,780,000, these figures representing increases over 1904 of 11,233, or 13.9 per cent, in the number of wage earners and of \$43,358,000, or 30.4 per cent, in value of products. In 1909 the textile industries employed 9.1 per cent of the total number of wage earners engaged in the manufacturing industries of the state, and contributed 5.5 per cent of the total value of manufactured products. The corresponding proportions for 1904 were 9.4 per cent and 5.7 per cent, respectively. New York was the third state in the Union in the production of all textiles combined, of silk and silk goods, and of fur-felt hats, first in the manufacture of hosiery and knit goods and of carpets and rugs, other than rag, and second in that of cordage and twine and jute and linen goods. It ranked fifth in the production of woolen, worsted; and felt goods, and wool hats, and eleventh in that of cotton goods, including cotton small wares.

Foundry and machine-shop products .- All foundries and machine shops except those which manufacture a distinctive product covered by some other designation. such as agricultural implements, cash registers and calculating machines, sewing machines and attachments, or electrical machinery, are included in this classification. Establishments engaged in the manufacture of bells, gas machines and gas and water meters, hardware, cast-iron and cast-steel pipe, plumbers' supplies, steam fittings and heating apparatus, and structural ironwork, the majority of which were reported under separate classifications at previous censuses, are included in this industry. A number of the most important establishments are engaged in the manufacture of typesetting machines, steam-heating apparatus, electric elevators, locomotive, tender, and car brakes, metal-working machinery, pumps and pumping machinery, and structural ironwork. Although the industry was practically at a standstill from 1899 to 1904, the value of products increased from

\$127,915,000 in 1904 to \$154,370,000 in 1909, or 20.7 per cent. New York was the second state of the Union in this industry at all three censuses.

Slaughtering and meat packing.—This classification includes establishments doing wholesale slaughtering and meat packing, and those engaged in the manufacture of sausage only. It does not include the numerous retail butcher shops, which slaughter a large number of animals. The value of products for this industry in New York increased from \$58,403,000 in 1899 to \$75,550,000 in 1904 and \$127,130,000 in 1909, when the total was \$68,727,000, or 117.7 per cent, greater than in 1899. The percentage of increase during the five-year period 1904-1909 in value of products was more than twice, and in value added by manufacture more than four times as great, as during the preceding five-year period, 1899-1904. Of the 238 establishments reported for the industry as a whole in 1909, 76 were engaged in wholesale slaughtering only, 74 in both wholesale slaughtering and wholesale meat packing, and 88 in the manufacture of sausage only, the value of the output of these three branches representing 51.2 per cent, 47.2 per cent, and 1.6 per cent, respectively. of the total for the combined industry. For the last three censuses, New York has ranked third among the states in this industry.

Liquors.-The manufacture of malt, distilled, and vinous liquors forms a very important group of industries in New York. The value of the combined output for 1909 can not be given, however, because the statistics for the distilled-liquor industry can not be presented separately without disclosing the operations of individual establishments. The manufacture of malt liquors was by far the most important of the three industries comprising this group. The total output of this industry in 1909 was valued at \$77,720,000, an increase over 1904 of \$15,762,000, or 25.4 per cent, which was considerably more than double the gain for the preceding five-year period. The figures for both value of products and value added by manufacture in the case of the brewery industry include \$12,666,000 paid to the Federal Government as internal-revenue tax, and are therefore to that extent misleading as an indication of the relative importance of this industry from a purely manufacturing standpoint. The distilled-liquor industry shows a substantial increase from 1904 to 1909 in all items covered in the preceding table except number of establishments, which decreased from 18 to 13. The value of products for the vinous-liquor industry, the least important of the liquor group, was \$1,817,000 in 1909, representing a decrease of \$432,000, or 19.2 per cent, as compared with 1904. At the census of 1909 New York ranked first among the states of the Union in the manufacture of malt liquors, sixth in that of distilled liquors, and second in that of vinous liquors.

Tobacco manufactures.—While this designation covers in general the manufacture of cigars, cigarottes, chewing and smoking tobacco, and snuff, the industry in New York was confined largely to the manufacture of cigars and cigarettes, 3,284 of the 3,371 establishments reported in 1909 being engaged in this branch, the value of the output of such establishments representing 98 per cent of the total for the industry. The total value of tobacco manufactures for New York in 1909 was \$76,662,000, an increase over 1904 of \$11,065,000, or 16.9 per cent, whereas from 1899 to 1904 the gain was \$11,936,000, or 22.2 per cent. New York leads all other states of the Union in this industry.

Lumber and timber products. This classification includes logging operations, sawmills, planing mills, and establishments engaged in the manufacture of wooden packing boxes. It does not include those mills, however, which are engaged exclusively in custom sawing for local consumption, the statistics for which are shown separately on page 849. This industry in the state in 1909 was represented by 674 independent planing mills, 1,389 sawmills and logging plants, and 200 packing-box factories, which reported 65.9 per cent, 20.7 per cent, and 13.4 per cent, respectively, of the total value of products for the industry. The corresponding percentages for 1899 were 56.4, 28.7, and 14.9, respectively. The value of the output of the sawmills and logging plants of the state was \$15,131,000 in 1899, \$13,310,000 in 1904, and \$15,036,000 in 1909. The industry as a whole shows an increase in value of products from \$52,738,000 in 1899 to \$61,677,000 in 1904 and to \$72,530,000 in 1909, an increase for the decade of \$19,792,000, or 37.5 per cent, and for the more recent five-year period, of \$10,853,000, or 17.6 per cent. It is apparent, therefore, that the growth of the entire industry was due very largely to the increase in the production of the planing mills. Measured by value of products, New York ranked second in 1909 among the states of the Union in the lumber industry.

Flour-mill and gristmill products.—The statistics for all merchant mills grinding wheat, rye, buckwheat, corn, or other grains are included in this classification. It does not, however, include factories making fancy cereals or other food preparations as a chief product, or mills doing custom grinding exclusively, the statistics for the latter mills being presented separately on page 849. This is one of the oldest industries in the state, probably dating from the latter part of the seventcenth century. It is said that the first gristmill in America was a horsepower mill located on the island of Manhattan. The industry developed gradually, but was especially prosperous during the years immediately following the opening of the Erie Canal in 1825, which greatly extended the sources of grain supply for the state. New York led all other states of the Union in the milling industry until 1889, since when it has held second place, having been displaced by Minnesota. The total value of flour-mill and gristmill products reported for New York was \$35,930,000 in 1899 and \$69,802,000 in 1909, representing 7.2 per cent and 7.9 per cent, respectively, of the total value of such products reported for the United States for these two census years.

Iron and steel, steel works and rolling mills and blast furnaces .-- Combined, these two allied industries gave employment in 1909 to an average of 12,389 wage earners, and the value of their products amounted to \$66,153,000. These figures represent increases over 1899 of 6,971, or 128.7 per cent, in number of wage earners, and \$52,295,000, or 377.4 per cent, in value of products. The classification "Steel works and rolling mills" includes establishments engaged in the manufacture of steel or the hot rolling of iron and steel. It also includes the making of forgings and castings and the manufacture of rolled iron and steel into more highly finished forms when conducted as a part of the rolling-mill operations, as well as the few extant forges and bloomeries. It does not, however, include the making of cold-rolled products, nor of forgings, castings, and manufactures of iron and steel by establishments not equipped with steel-making furnaces or hot trains of rolls. The output of the steel works and rolling mills in 1909 was valued at \$39,532,000, representing an increase over 1904 of \$18,305,000, or 86.2 per cent. This gain, although pronounced, was not so great relatively as the increase of \$12,415,000, or 140.9 per cent, shown for the preceding five-year period. The blast furnaces include the establishments engaged in the manufacture of pig iron from the ore. In 1909 the products of the blast furnaces were valued at \$26,621,000, showing the remarkable gain over 1904 of \$17,986,000, or 208.3 per cent. Measured by value of products, New York ranked fourth in the manufacture of iron and steel and in each of the two branches in 1909.

Millinery and lace goods .- This industry includes all establishments engaged primarily in the manufacture of muslin and lace curtains; dress, cloak, and millinery trimmings; embroideries and crocheted goods; hat and bonnet frames; ladies' belts, collars, neckwear, and handkerchiefs; hats, trimmed and untrimmed; laces; pleating and puffs; ruching and ruffing; and veilings. In 1909 the value of products was \$52,-106,000, as compared with \$32,844,000 in 1904, a gain of \$19,262,000, or 58.6 per cent, for the five-year period. The relative gain in this respect from 1899 to 1904 was slightly less, but the actual increase was only a little over one-half as great. New York led all other states of the Union in this industry, and of the aggregate value of millinery and lace goods produced in the United States, New York contributed 60.7 per cent in 1909, 64.7 per cent in 1904, and 71.4 per cent in 1899.

Electrical machinery, apparatus, and supplies.—The exceptionally rapid extension during recent years of the use of electricity has created a demand for electrical appliances. The industry in New York, therefore, shows decided development during the past decade, the value of products increasing from \$22,695,000 in 1899 to \$49,290,000 in 1909. Although New York retained the lead among the states in this industry,

the proportion which it contributed of the total value of products for the industry in the United States, which increased from 24.6 per cent in 1899 to 25.1 per cent in 1904, decreased to 22.3 per cent in 1909.

Paper and wood pulp.-Mills which manufacture paper exclusively, pulp exclusively, or both paper and pulp are included in this classification. The mills engaged in the production of paper predominated largely in New York in 1909. In 1849 there were 106 establishments reported for the state, which employed an average of 1,267 wage earners and manufactured products valued at \$1,638,579. The growth of the industry since that time has been rapid, but during the decade 1899–1909 it was particularly noteworthy, the value of products increasing from \$26,716,000 in 1899 to \$48,860,000 in 1909, a gain of \$22,144,000, or 82.9 per cent. Although the actual gain in this respect for the 10 years was about equally divided between the two five-year periods, the percentage of increase from 1904 to 1909 (29.4) was considerably less than that from 1899 to 1904 (41.3). New York led all other states in this industry at the last three censuses, the value of the output for the state forming 18.3 per cent of the total for the United States in 1909, 20 per cent in 1904, and 21 per cent in 1899.

Boots and shoes, including cut stock and findings.-Of the 296 establishments in the state included in this classification in 1909, 21 were engaged primarily in the manufacture of boot and shoe cut stock, 56 in the production of boot and shoe findings, and 219 in the manufacture of boots and shoes. There is some overlapping of these three branches which makes it desirable to combine them in presenting the statistics. With products valued at \$28,117,000 in 1899 and \$37,521,000 in 1904, New York held second place at both censuses among the states of the Union, but in 1909, when products valued at \$48,186,000 were reported, it had dropped to third place. The proportions which New York contributed of the total value of products for the industry in the United States in the respective years were, however, comparatively small, owing to the fact that the state first in rank manufactured so large a percentage of the products as to dwarf, in a measure, all others. These proportions were 9.4 per cent in 1909, 10.5 per cent in 1904, and 9.7 per cent in 1899.

Butter, cheese, and condensed milk.—Of the 1,552 establishments included in this industry in 1909, 426 were engaged primarily in the manufacture of butter, 1,090 in the manufacture of cheese, and 36 in the manufacture of condensed milk, the value of the output of these three branches representing 41 per cent, 35.6 per cent, and 23.4 per cent, respectively, of the total for the entire industry. Of the 1,766 establishments reported for 1904, 543 manufactured butter as a chief product, 1,198 cheese, and 25 condensed milk, and the proportions which each class of establishments contributed of the total value of products reported for the entire industry were 41.1 per cent, 36.7 per cent, and 22.1 per cent, respectively. The number of establishments in the butter and cheese branches of the industry decreased during the fiveyear period 1904-1909, but the value of products for each of the three branches increased, the condensed-milk branch making the greatest relative gain. The value of products for the industry as a whole in New York increased from \$26,558,000 in 1899 to \$42,458,000 in 1909, a gain of 59.9 per cent. As measured by value of products, New York was the leading state of the Union in this industry in 1899 and in 1904, but dropped to second place in 1909, having been displaced by Wisconsin. The proportion which New York contributed of the total value of products for the industry in the United States decreased during the decade, being 20.3 per cent in 1899, 18.5 per cent in 1904, and 15.5 per cent in 1909.

Gas, illuminating and heating.—This industry includes all establishments engaged in the manufacture of gas for illuminating or heating purposes from coal. coke, oil, benzine, gasoline, or calcium carbide, or from a combination of two or more of these materials. The industry in New York dates from about 1823, when lighting by gas was introduced into New York City. The industry as a whole did not, however, receive its first real impetus until 1873, when the Lowe process for the manufacture of water gas was introduced. The total value of gas manufactured for sale in New York was \$8,513,000 in 1869, \$18,717,000 in 1889, and \$42,347,000 in 1909. Of the total quantity of all classes of gas manufactured in the state in 1909, namely, 45,768,354,000 cubic feet, 75.9 per cent was carbureted water gas, 10.1 per cent mixed coal and water gas, and 13.7 per cent coal gas. New York held first rank in the manufacture of illuminating and heating gas at the last three censuses, reporting 25.4 per cent of the total value of products for the industry in the United States in 1909, 28.2 per cent in 1904, and 27.6 per cent in 1899.

Furnishing goods, men's.-The 375 establishments reported for this industry in the state in 1909 included. in addition to 241 engaged primarily in the manufacture of a general line of men's furnishings, such as neckwear, belts, and handkerchiefs, 100 which manufactured suspenders, garters, and elastic woven goods as their leading products and 34 which made collars and cuffs. Of the value of products reported for the entire industry in 1909, \$15,897,000 represented the value of collars and cuffs, constituting 92.3 per cent of the total value of collars and cuffs manufactured in the United States. The value of products for the industry as a whole increased from \$29,337,000 in 1904 to \$42,197,000 in 1909, the proportions which these figures represented of the corresponding totals for the industry in the United States being 59.8 per cent and 48.1 per cent, respectively. New York not only outranked all other states in the industry as a

unit, but also in each of the three branches except the manufacture of suspenders, garters, and elastic woven goods, in which it ranked second.

Furniture and refrigerators.—This industry embraces the manufacture of wood and metal furniture of all kinds, refrigerators and ice boxes, and store and office fixtures, with the exception of products such as show cases, which are provided for by a distinct classification. This industry ranks eleventh among those shown separately in the preceding table in average number of wage earners, thirteenth in value added by manufacture, and nineteenth in value of products, The value of the output of the furniture and refrigerator factories of New York increased from \$24,658,000 in 1899 to \$29,326,000 in 1904 and \$41,929,000 in 1909. which figures represented 18.9 per cent, 16.5 per cent, and 17.5 per cent of the respective totals for the United States. For several decades New York has led all other states in this industry.

Fur goods.—Those establishments engaged primarily in the manufacture of garments in which fur is the chief material, such as coats, cloaks, capes, muffs, scarfs, and robes, and gloves, mittens, and trimmings, are included in this classification. It does not include establishments engaged mainly in tanning and dyeing skins with the fur on. The value of products increased from \$15,829,000 in 1899 to \$26,244,000 in 1904 and \$41,301,000 in 1909. New York outranked all other states at each of the three censuses in the manufacture of fur goods, the value of its output constituting 73.8 per cent of the total for the United States in 1909, 70.7 per cent in 1904, and 61.1 per cent in 1899.

Copper, tin, and sheet-iron products.-This classification comprises the manufacture of sheet-metal products of copper, tin, and sheet iron, including the preparation of copper, tin, and sheet-iron material for building construction. The 686 establishments reported for this industry in 1909 included 61 in which stamped and enameled ware was manufactured and 69 in which tinware was produced. The value of the stamped and enameled ware was \$13,140,000, and that of tinware was \$10,386,000, which amounts represent 34.2 per cent and 27 per cent, respectively, of the total value of products for the industry. New York ranked first among the states of the Union in the manufacture of copper, tin, and sheet-iron products at each of the three censuses, with \$38,452,000 as the total value of such products in 1909, \$27,314,000 in 1904, and \$19,287,000 in 1899.

Patent medicines and compounds and druggists' preparations.—Under this head are included the manufacture of so-called patent medicines, and of some compounds that are not used for medicinal purposes, and also the manufacture of capsules, extracts, tinctures, and other pharmaceuticals, and of perfumery and cosmetics. Of the 743 establishments reported in 1909, 509 were engaged primarily in the manufacture of patent medicines and compounds, the value of which represented 56.6 per cent of the total for the industry. New York led all other states of the Union in the industry as a whole at each of the last three censuses, the total output being valued at \$37,343,000 in 1909, \$28,646,000 in 1904, and \$26,538,000 in 1899. *Chemicals.*—This industry includes the manufacture

of acids (except sulphuric, nitric, and mixed acids, for which there is a separate classification), sodas, potashes, alums, coal-tar products, cyanides, bleaching materials, plastics, compressed or liquefied gases, alkaloids, gold, silver, and platinum salts, chloroform. ether, glycerin, Epsom salts, copperas, blue vitriol, and other bases and salts, when they are made as a chief product by the establishment reporting. It does not include, however, the manufacture of chemicals as byproducts in establishments classified in the census reports under a different head. In the production of chemicals New York held first rank among the states at each of the last three censuses, the value of its output constituting 30 per cent of the total for the United States in 1909, 30.6 per cent in 1904, and 25.5 per cent in 1899. The total value of products of the chemical industry in New York in 1909 was \$35,346,000, an increase over 1904 of \$12,324,000, or 53.5 per cent, and over 1899 of \$19,352,000, or 121 per cent.

Musical instruments, pianos and organs and materials .- Of the 184 establishments included in this classification in 1909, 117 were engaged primarily in the manufacture of pianos, 19 in the manufacture of organs, and 48 in the manufacture of piano and organ materials. The output of the piano establishments represented 79.1 per cent of the \$33,680,000 reported as the total value of products for the industry as a whole. At each of the last three censuses New York outranked all other states of the Union in the manufacture of pianos and organs and materials, contributing 37.5 per cent of the total value of the output for the United States in 1909, 35.4 per cent in 1904, and 35.9 per cent in 1899. The value of products for the industry in the state considerably more than doubled during the decade.

Automobiles, including bodies and parts.-The manufacture of automobiles in New York began only a few years before 1899, in which year there were 15 establishments in operation in the state, reporting products valued at \$456,000, and the state ranked fifth among the states in the industry. The development of the industry thereafter was remarkable, for by 1904 New York had become third in the manufacture of automobiles, which position it retained in 1909. In 1899 New York contributed 9.6 per cent of the total value of products for this industry in the country as a whole, and in 1904 the proportion had increased to 14.2 per cent, but in 1909 it had dropped to 12.4 per cent. The total value of products for 1909 was \$30,980,000, which was more than seven times the amount reported for 1904. This classification also includes the manufacture of automobile parts and accessories, but this branch of the industry has become so interwoven with such industries as the foundry and machine-shop industry and the manufacture of rubber goods, electrical machinery, apparatus, and supplies, and brass and bronze products that it is impossible to determine to what extent the statistics presented under this head cover the actual production of parts and accessories.

Manufactures from precious metals.—The manufacture of jewelry is allied closely with the production of silverware and plated ware, and the reduction and refining of gold and silver from clippings, sweepings, and scrap. In 1909 these three industries combined employed an average of 8,486 wage earners and turned out products valued at \$30,825,000.

Paint and varnish.—Of the 147 establishments included in this classification in 1909, 104 were engaged primarily in the manufacture of paint, with products valued at \$20,557,000, representing 72 per cent of the total for the industry as a whole. The value of paint and varnish manufactured in New York was \$25,121,000 in 1904 and \$28,559,000 in 1909, an increase of \$3,438,-000, or 13.7 per cent, for the five-year period. In value of products New York led all other states in this industry at each of the last three censuses, reporting 22.9 per cent of the total for the United States in 1909, as compared with 27.7 per cent in 1904 and 27.1 per cent in 1899.

Leather, tanned, curried, and finished.—Establishments which were engaged primarily in the manufacture of leather, as well as those which treated hides and skins for others, are included in this classification. The cost of materials and the value of products, however, do not include the value of the hides or skins treated for others under contract. New York ranked third among the states in the manufacture of leather in 1899, with a value of products amounting to \$23,206,000. In 1904, however, the value of products had decreased to \$21,643,000 and the state fell to fourth place, while in 1909, though the value of the products increased to \$27,642,000, the state had dropped to fifth place.

In 14 of the less important industries shown separately in the table, New York led all other states of the Union in value of products in 1909 and contributed more than half of the value of products reported for each in the United States. These industries, together with the percentages of the value of products contributed by the state, were as follows: Lapidary work, 94.4; artificial flowers and feathers and plumes, 88.2; photographic apparatus and materials, 83.2; paper patterns, 83; hair work, 70.1; pens, fountain, stylographic, and gold, 67.9; cloth, sponging and refinishing, 66.7; gloves and mittens, leather, 60.7; pipes, tobacco, 60.5; hats and caps, other than felt, straw, and wool, 57.2; jewelry and instrument cases, 57.1; candles, 53.4; typewriters and supplies, 52.2; furs, dressed, 51.9.

It will be seen from the table on page 801 that some of the industries that hold a very high rank in the gross value of products rank comparatively low in the number of wage earners employed and in value added by 豣

manufacture. Where this is the case, it indicates that the cost of materials represents a large proportion of the total value of products, and that therefore the value added by manufacture, of which wages constitute usually the largest item, is only a small proportion of the total value of products. Thus the slaughtering and meat-packing industry, which ranks fifth in gross value of products, and the flour-mill and gristmill industry, which ranks tenth in that respect, rank comparatively low with regard to number of wage earners and value added by manufacture. Other important industries which rank much higher in gross value of products than in the number of wage earners or the value added by manufacture are the butter, cheese, and condensed-milk industry; the tanning, currying, and finishing of leather; the blast furnaces; the roasting and grinding of coffee and spice; and the manufacture of linseed oil.

On the other hand, there are several industries the rank of which according to the number of wage earners or the value added by manufacture is considerably higher than the rank according to the value of products; in other words, the cost of materials is relatively a smaller part of the total value of products for these industries than for most others. Among the important industries of this class are the manufacture of furniture and refrigerators, the steam-railroad repair shops, and marble and stone work. Four of the textile industries—the manufacture of hosiery and knit goods, silk goods, carpets and rugs, and cotton goods—also rank much higher in number of wage earners, and somewhat higher in value added by manufacture, than in value of products.

The table on page 801 shows very great differences among the several industries with respect to the percentages of increase or decrease in the value of products and the value added by manufacture, although the great majority of the industries show an increase in both items for each of the five-year periods. The reduction and refining of gold and silver from sweepings, clippings, and scrap, however, shows a decrease in value of products for both five-year periods, while 13 other industries show decreases from 1904 to 1909 and 15 decreases from 1899 to 1904. None of the industries presented separately in the table show decreases in value added by manufacture for both five-year periods, but 16 show decreases from 1904 to 1909, and 14 show decreases from 1899 to 1904. Of the 58 industries for which products valued at more than \$10,000,000 were reported in 1909, two---the manufacture of carriages and wagons and of cordage and twine and jute and linen goods—show decreases in both value of products and value added by manufacture since 1904, while one other-the roasting and grinding of coffee and spice-shows a decrease in value of products.

The manufacture of emery and other abrasive wheels shows the highest percentage of increase in both value

of products and value added by manufacture between 1904 and 1909, the gross value of the products of this industry being nearly thirty-five times as great in 1909 as in 1904 and the value added by manufacture over twenty-seven times as great. Other industries which show exceptionally large increases during the same fiveyear period in both items are the hair-work and the automobile industries, the manufacture of artificial flowers and feathers and plumes, the blast furnaces, and the manufacture of corsets, in which the value of products in 1909 was from three to seven times that in 1904. The manufacture of lead bars, lead pipe, and sheet lead shows the largest relative decrease in value of products for this period, 37 per cent, and the manufacture of dentists' materials the largest in value added by manufacture, 42.1 per cent.

Of the 12 industries shown in the table for which products valued at more than \$50,000,000 were reported in 1909, five—the making of men's clothing, the foundries and machine shops, the brewery industry, slaughtering and meat packing, and the manufacture of hosiery and knit goods—show greater percentages of increase in both value of products and value added by manufacture for the five-year period 1904–1909 than for the period 1899–1904.

Persons engaged in manufacturing industries.—The following table shows, for 1909, the distribution of the number of persons engaged in manufactures, the average number of wage earners being distributed by sex and age. It should be borne in mind, however, that the sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the Introduction.

		IS ENGAGED	
CLASS.	Total.	Male.	Female.
All classes	1, 203, 241	869, 434	333, 807
Proprietors and officials	78,874	75,389	3,488
Proprietors and firm members Salaried officers of corporations Superintendent and managers	47,569 12,916 18,389	45,429 12,481 17,479	2,140 435 910
Clerks	120,386	87,404	32, 982
Wage earners (average number)	1,003,981	706,641	297,84
16 years of age and over Under 16 years of age	996,162 7,819	702,637 4,004	293, 52 3, 810

The average number of persons engaged in manufactures during 1909 was 1,203,241, of whom 1,003,981 were wage earners. Of the remainder, 78,874 were proprietors and officials and 120,386 were clerks. Corresponding figures for individual industries will be found in Table II, page 878.

The table on the following page shows, for 1909, the percentages of proprietors and officials, clerks, and wage earners, respectively, among the total number of persons employed in manufactures. It covers all industries combined and 58 important industries individually.

### MANUFACTURES-NEW YORK.

	PERSONS 1	ENGAGED	IN MANUR	ACTURES.
<b>-</b>		Per	cent of t	otal.
INDUSTRY.	Total number.	Proprie- tors and officials.	Clerks.	Wage earners (average number).
All Industries. gricultural implements. triticial flowers and feathers and plumes intomobiles, including bodies and parts bods and shoes, including cut stock and all the stock and the stock as a stock	1,203,241 6,851 9,813 11,610	6.6 4.9 5.7 3.6	<b>10.0</b> 11.7 7.7 11.5	<b>83. 4</b> 83. 4 86. 5 84. 9
incomparison of the paper in the products is and bronze products. Bread and other bakery products is a product in the paper is a product in the paper is a product in the paper is a paper is and page other than rag. Arpots and Augs, other than rag.	$\begin{array}{r} 23,815\\ 12,702\\ 7,596\\ 29,039\\ 4,930\\ 8,818\\ 12,272\\ 7,333\end{array}$	8.3 5.1 6.1 15.6 35.6 13.3 0.7 12.1	5.8 4.0 6.4 10.8 6.3 6.5 2,4 4.5	90.8 90.8 87.6 73.5 58.1 80.2 97.0 83.4
rars and general shop constitution and repairs by steam-railroad companies hemicals hothing, mon's, including shirts office and spice, roasting and grinding office and spice, roasting and grinding opper, tin, and sheet-iron products opper, thus and inte and lines.	18,003 6,869 104,567 114,925 2,394 10,116 17,153	3.0 3.6 5.1 5.2 8.0 4.8 6.8	5.6 12.8 7.5 9.5 28.6 10.5 7.6	91. 4 83. 7 87. 4 85. 4 63. 4 84. 7 85. 6
goods	6,230 11,032	1.1 1.4	8.3 2.0	95.5 96.7
Piles. Nour-mill and gristmill products. Food preparations. Soundry and machine-shop products. Aurgoods. Furnishing goods, men's. Uurniture and refrigerators.	22,819 6,120 4,163 75,746 11,263 20,758 23,195	4.2 27.8 8.0 5.6 13.3 3.6 6.0	$12.6 \\ 13.8 \\ 19.4 \\ 9.8 \\ 13.5 \\ 8.8 \\ 6.5$	83.1 58.4 72.6 84.6 73.2 87.6 87.4
ordage and the fine tild yies tild yies and sup- pools. The set of the set o	$\begin{array}{c} 7,188\\ 9,221\\ 7,105\\ 5,379\\ 37,673\\ 2,562\\ 11,080\\ 7,146\\ 9,283\\ 6,278\\ 10,705\\ 32,458\\ 10,705\\ 32,458\\ 8,409\\ 25,369\end{array}$	$5.6 \\ 4.52 \\ 2.15 \\ 10.90 \\ 4.22 \\ 1.56 \\ 10.90 \\ 4.22 \\ 10.98 \\ 10.98 \\ 13.8$	$\begin{array}{c} 10.7\\ 25.9\\ 6.4\\ 4.6\\ 2.5\\ 8.8\\ 7.4\\ 13.8\\ 9.3\\ 5.2\\ 12.2\\ 4.5\\ 9.0\\ 5.0\\ 10.1\end{array}$	83.7 69.6 87.4 93.2 95.4 89.7 91.0 75.3 81.6 81.6 81.6 81.6 81.2 81.9 83.1
and materials. 11] linseed waint and warnish. aper and wood pulp. aper goods, not elsewhere specified	$13,102 \\ 691 \\ 4,741 \\ 13,018 \\ 5,257$	3.6 4.5 8.1 8.7 4.5	5.3 13.6 27.7 3.5 13.6.	91.1 81.9 64.3 92.7 81.9
atent matternes and compounds and druggists preparations		13.72.98.26.12.95.55.311.83.11.4	$\begin{array}{c} 31.1\\ 18.3\\ 25.3\\ 3.3\\ 13.9\\ 18.9\\ 5.3\\ 9.0\\ 3.9\\ 3.9\\ 18.9\\ 5.3\\ 9.0\\ 3.9\end{array}$	55.2 78.8 60.5 90.6 91.3 80.6 75.8 82.9 87.9 94.6
Voolen, worsted, and felt goods, and wool hats il other industries	9,907 203,337	2.2 7.0	2.3 9.6	95.5 83.4

Of the total number of persons engaged in all manufacturing industries, 6.6 per cent were proprietors and officials, 10 per cent clerks, and 83.4 per cent wage earners. The highest percentage of proprietors and officials shown for any industry, 35.6, is for the manufacture of butter, cheese, and condensed milk. In this, as well as in the flour-mill and gristmill industry, the majority of the establishments are small and the work is to a large extent done by the proprietors or their immediate representatives, so that the proportion of persons engaged in these industries falling into the class of proprietors and officials is very much higher than in other individual industries or in all industries combined. Similar conditions

prevail to some extent in the bakery industry, in canning and preserving, in the manufacture of carriages and wagons, fur goods, and patent medicines and compounds and druggists' preparations, in marble and stone work, and in tobacco manufactures, where the proportions of proprietors and officials ranged from 15.6 per cent to 11.8 per cent of the total number of persons engaged in each industry. On account of the large average number of wage earners employed in the establishments manufacturing carpets and rugs, cordage and twine, and cotton goods, and in the blast furnaces, steel works and rolling mills, and wireworks, these industries show the smallest proportions of proprietors and officials of any given in the table. The largest proportion of wage earners, 97 per cent, was reported for the carpet and rug industry, while the smallest, 55.2 per cent, was for the manufacture of patent medicines and compounds and druggists' preparations. Among the industries presented separately in the above table, however, the patent-medicine industry shows the largest proportion of clerks.

The first table on the following page shows, for 1909, in percentages, for all industries combined, the distribution of the average number of wage earners by age periods, and for those 16 years of age and over by sex, calculated in the manner described in the Introduction. It also shows, for some of the important industries separately, a similar distribution of the wage earners reported for December 15, or the nearest representative day. As a means of judging the importance of the several industries the average number employed for the year is also given in each case.

For all industries combined, 70 per cent of the average number of wage earners in 1909 were males 16 years of age and over; 29.2 per cent, females 16 years of age and over; and eight-tenths of 1 per cent, children, under the age of 16. The larger part of the total number of female wage earners 16 years of age and over was made up of those employed in the clothing. textile, millinery and lace goods, tobacco manufactures, and men's furnishing goods industries; the industry having the largest proportion of women, however, was the manufacture of artificial flowers and feathers and plumes, in which such wage earners formed 84.2 per cent of the total. In the manufacture of men's furnishing goods, and of millinery and lace goods, over threefourths of the wage earners were women 16 years of age and over; in the hosiery and knit goods, fancy and paper box, and silk and silk goods industries, over three-fifths; and in seven other industries shown in the table the proportion was over one-half.

The textile, clothing, printing and publishing, boot and shoe, fancy and paper box, and millinery and lace goods industries employed the larger part of the wage earners under 16 years of age. The proportion of such wage earners was largest (2.9 per cent) in the manufacture of fancy and paper boxes, while

in the cotton-goods industry they formed 2.8 per cent of the total number, and in the silk-goods industry 2.5 per cent. The proportion was also relatively high in the manufacture of artificial flowers and feathers and plumes, jewelry, boots and shoes, confectionery, and woolen goods, in each of which children under 16 years of age formed at least 2 per cent of the total number of wage earners.

		WAGE EARNERS.					
		Per	tal.				
INDUSTRY.	Average number.1	16 year and	Under 16 years				
		Male.	Female.	of age.			
All industries. Agricultural implements. Artificial flowers and feathers and plumes Automobiles, including bodies and parks Boots and shees, including cut stock and	8,493 9,861	70.0 98.7 13.5 98.7	<b>29.2</b> 1.1 84.2 1.2	0.8 0.2 2.3 0.1			
findings. Boxes, fancy and paper Brass and bronze products. Bread and other bakery products. Butter, cheese, and condensed milk Canning and preserving. Carpats and rugs, other than rag Carriages and wagons and materials	11,898	63.6 34.2 94.4 86.2 90.7 43.8 55.0 98.3	$34.3 \\ 62.9 \\ 5.3 \\ 13.3 \\ 8.8 \\ 55.1 \\ 44.3 \\ 1.7$	2.0 2.9 0.3 0.5 0.5 1.0 0.6			
Cars and general shop construction and re- pairs by steam-railroad companies. Chemicals. Clothing, mem's, including shirts. Clothing, women's. Coffee and spice, roasting and grinding Confectionery. Copper, tin, and sheet-iron products. Cordage and twine and jute and linen goods. Cotton goods, including cotton small wares. Electrical machinery, apparatus, and sup-	16,454 5,746 91,363 98,104 1,519 8,570 14,689 5,952	$\begin{array}{c} 99.9\\ 96.9\\ 58.5\\ 42.3\\ 69.3\\ 40.0\\ 87.5\\ 46.4\\ 55.3\end{array}$	$\begin{array}{c} 0.1\\ 2.9\\ 41.1\\ 57.3\\ 30.6\\ 58.0\\ 11.9\\ 52.8\\ 42.0 \end{array}$	$\binom{2}{0.2}$ 0.4 0.5 0.1 2.0 0.6 0.8 2.8			
Electrical machinery, apparatus, and sup- plies	18,972 2,990 3,023 64,066 8,244	86.0 95.6 61.5 98.0 67.3 22.4 96.9	$13.8 \\ 4.2 \\ 37.3 \\ 1.8 \\ 32.5 \\ 77.2 \\ 2.6$	0.2 0.2 1.2 0.3 0.5 0.6			
nectors. Gas, illuminating and heating Gloves and mittons, leather. Hats, fur-felt Hosiery and knit goods. Iron and steel, blast furnaces. Iron and steel, blast furnaces. Iron and steel, steel works and rolling mills. Jeweiry. Leather goods. Leather, tanned, curried, and finished. Liquors, malt. Lumber and timber products. Malt. Marble and stone work. Millinery and lace goods. Musical instruments, planos and organs and materials. Oil, linseed. Pener and wood num	6,017 6,422 6,287 5,013	$\begin{array}{c} 93.2\\ 99.7\\ 49.2\\ 60.4\\ 34.6\\ 99.9\\ 99.0\\ 84.8\\ 81.2\\ 97.3\\ 99.9\\ 99.1\\ 100.0\\ 98.9\\ 21.5\\ 94.6\\ 100.0\\ 91.6\\ 96.$	6.5 0.2 40.1 32.8 63.6 0.1 0.9 13.1 17.8 2.3 0.1 0.7 7.1 4.3 ***********************************	0.3 0.1 1.6 0.8 1.8 1.8 1.0 1.2 1.0 0.4 0.3 			
ratent intercentes and compounds and drug- gists' preparations. Printing and publishing. Shipbuilding, including boat building. Silk and silk goods, including throwsters. Slaughtering and meat packing Soap. Tobacco manufactures. Typowriters and supplies. Wire. Woolen, worsted, and felt goods, and wool hats.	4,728 4,088 63,120 5,644 12,903 6,110 2,976 30,019 4,538 1,439 9460	96. 6 45. 0 46. 1 72. 7 76. 9 99. 8 35. 1 97. 2 77. 8 48. 5 85. 9 90. 8 55. 6	8.4 53.1 53.2 22.5 0.1 62.4 2.7 22.1 50.6 13.9 8.8 42.4	1.9 0.7 0.9 1.0 0.1 2.5 0.1 0.1 0.9 0.2 0.4 2.0			
All other industries	169,534	80.7	18.4	0.9			

<sup>1</sup> For method of estimating the distribution, by sex and age periods, of the average number in all industries combined, see Introduction. <sup>3</sup> Less than one-tenth of 1 per cent.

In order to compare the distribution of persons engaged in manufactures in 1909 with that shown at the census of 1904 it is necessary to use the classification employed at the earlier census. (See Introduction.) The following table makes this comparison according to occupational status:

	PERSONS ENGAGED IN MANUFACTURES,							
CLASS.	190	9	190	Per				
	Number.	Percent distri- bution.	Number.	Percent distri- bution.	1004			
Total. Proprietors and firm members Salaried employees. Wage earners (average number)	1,203,241 47,569 151,691 1,003,981	100.0 4.0 12.6 83.4	<b>996,725</b> 41,766 98,012 856,947	100.0 4.2 9.8 86.0	20.7 13.9 54.8 17.2			

Comparable figures are not obtainable for 1899. Salaried employees show the greatest percentage of increase and the only gain in relative numerical importance.

The following table shows the average number of wage earners distributed according to age periods, and in the case of those 16 years of age and over according to sex, for 1909, 1904, and 1399. The averages for 1909 are estimated on the basis of the actual number reported for a single representative day. (See Introduction.)

•	AVERAGE NUMBER OF WAGE EARNERS.							
CLASS.	190	9	190	14	1899			
	Number.	Percent distri- bution.	Number.	Percent distri- bution.	Number.	Percent distri- bution,		
<b>Total</b> 16 years of age and over. Male Female Under 16 years of age	1,003,981 996,162 702,637 293,525 7,819	100, 0 99, 2 70, 0 29, 2 0, 8	<b>856, 947</b> 848, 968 603, 519 245, 449 7, 979	100.0 99.1 70.4 28.6 0.9	<b>726, 909</b> 714, 508 503, 674 210, 834 12, 401	100.0 98.3 69.2 29.0 1.1		

This table indicates that for all industries combined there has been both an absolute and a relative decrease during the 10 years in the employment of children under 16 years of age. Although the number of each class of wage earners 16 years of age and over shows a decided increase during the same period, the proportions of such employees remained practically the same. In 1909 males 16 years of age and over formed 70 per cent of all wage earners in the manufacturing industries, as compared with 70.4 per cent in 1904 and 69.3 per cent in 1899.

Wage earners employed, by months.—The first table on the following page gives the number of wage earners employed on the 15th of each month during the year 1909 for all industries combined. It gives also the percentage which the number reported for each month is of the greatest number reported for any month. In Table II, page 878, are shown, for practically all of the important industries in the state, the largest number and also the smallest number of wage earners reported for any month. The figures are for the 15th day, or the nearest representative day, of the month.

## MANUFACTURES-NEW YORK.

	WAGE EARNERS.				WAGE EARNERS.			
MONTH.	Number.	Per cent of maxi- mum.	MONTH.	Number.	Per cent of maxi- mum,			
January February March. April May June	991,633 989,498	88.9 91.4 93.3 93.1 92.6 92.2	July. August. September. October. November. December.	977, 203 998, 896 1,041, 333 1,063, 162 1,059, 852 1,045, 110	91. 9 94. 0 97. 9 100. 0 99. 7 98. 3			

There were no seasonal industries of importance in New York, nor did any of the more important industries show very great fluctuations from month to month in the number of wage earners employed. Among the seasonal industries the greatest relative variations took place in canning and preserving and in the manufacture of brick and tile, but the numbers of wage earners employed in these industries were not large enough to affect very greatly the totals for the entire state. There was a larger absolute variation in the number of wage earners engaged in the women's clothing industry than in either of the seasonal industries mentioned, but these fluctuations were due mainly to trade conditions which affected to a less extent many other industries, and through them the totals for the state as a whole. In all manufacturing industries combined, the smallest number of wage earners, 945,356, were employed in the month of January, and the largest number, 1,063,162, in the month of October, the difference between these figures being 117,806, or 11.1 per cent of the maximum.

Prevailing hours of labor.—In the following table wage earners have been classified according to the hours of labor prevailing in the establishments in which they are employed. In making this classification the average number of wage earners employed during the year is used, and the number employed in each establishment is classified as a total according to the hours prevailing in that establishment, even though a few employees work a greater or less number of hours.

								<u> </u>		
	AVERAGE	NUMBER	OF WAGE PREVAI	GE EARNERS IN ESTABLISHMENTS GROUPED ACCORDING TO EVALUNG HOURS OF WORK FER WEEK.						
INDUSTRY.	Total.	48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.	
All industries	1, 003, 981	102, 279	173, 887	169, 492	290, 905	225, 930	21, 397	10, 544	9, 547	
Agricultural implements Artificial flowers and feathers and plumes Artificial stone Automobiles, including bodies and parts Babbit metal and solder	5,717 8,493 711 9,861 192	20 1,914 186 86 18	× 4,658 88 1,525 13	132 1,480 189 4,068 3	3,540 297 32 2,248 94	2, 016 144 215 1, 932 64		1 2		
Bags, other than paper. Bags, paper Baskets, and rattan and willow ware Belting and hose, leather Bicycles, motorcycles, and parts.	1,000 1,032 1,237 604 558	2 56 97 1	171 26 69 247 4	2 34 64 208 3	678 493 250 31 39	147 479 747 21 509		25	8	
Blacking and cleansing and polishing preparations Boots and shoes, including out stock and findings Boxes, faury and paper Boxes, fancy and paper Brass and bronze products	658	65 77 65 354 230	63 1,110 21 2,695 487	172 4,851 205 2,021 2,049	114 10,057 708 3,959 1,701	235 5,441 532 2,342 2,184	9 85	2	4	
Bread and other bakery products Briek and tile. Brooms and brushes Butter, cheese, and condensed milk	2,866	1,133 1,467 147 169	694 121 375 63	2,886 1,449 471 98	1,980 258 1,275 398	13,345 4,667 627 608	1,054 49 1,436	176 57 2 2	89 12 92	
Buttons Candles. Canning and preserving Carpets and rugs, other than rag	6,126 347 7,075 11,898	113 381	583 279 124	370 63 191 6,463	4, 453 37 735 742	601 247 5, 269 4, 569	6 156	56	8	
Carriages and wagons and materials Cars and general shop construction and repairs by steam-railroad companies Cars and general shop construction and repairs by streat-railroad companies Cars, steam-railroad, not including operations of railroad companies	6,116 16,454	224 374	1,410 1,137	1,329 2,188 84 956	1,235 3,946 1,400	1,918 2,488 2,362 1,431	5,124 608		1,197 26	
Cement. Chemicals. Chocolate and coccoa products. Clocks and watches, including cases and materials. Cloth, sponging and refinishing.	755 2,467 604	38  14 32	190 142 45 396	2 61 1 376 167	298 3, 599 47 1, 950 9	498 1,324 565 82	360 37	122	285 375	
Clothing, men's, including shirts. Clothing, women's. Coffee and spice, roasting and grinding. Coffins, burial cases, and undertakers' goods. Confectionery.	1,235 8,570	9,044 3,898 128 10 152	13,328 48,982 170 217 855	12,772 20,101 132 90 914	46, 713 18, 697 937 411 3, 803	9,002 5,475 151 507 2,819	829 1	54 82 10		
Cooperage and wooden goods, not elsewhere specified Copper, tin, and sheet-iron products. Cordage and twine and jute and linen goods. Cordals and sirups. Cork, eutting	2,611 14,089 5,952 294 835	118 2,918 . 58 22	113 625 29 128	273 1,440 3 36 11	1,110 6,530 3,269 1 666	989 3,176 2,680 161 8		•••••		
Corsets Cotton goods, including cotton small wares. Cutlery and tools, not elsewhere specified Dairymen's, poulterers', and apiarists' supplies Dentists' materials.	2,436 10,663 4,478 802 266	192 131 136 7	364 247 550 186	1,441 17 378 480 17	436 1,277 1,192 80 56	3 9,122 2,227 106				
Dyeing and finishing textiles. Dystiffs and extracts. Electrical machinery, apparatus, and supplies. Electroplating. Emery and other abrasive wheels.	5,252 418 18,972	$ \begin{array}{c}     65 \\     39 \\     164 \\     32 \\     1 \end{array} $	816 6 2,769 165	197 2 2,170 147	2,830 34 13,048 207 608	1,324 337 821 101 110				

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# MANUFACTURES-NEW YORK.

	AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS GI PREVAILING HOURS OF WORK PER WEEK.						AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS GROUPED ACCORDING TO PREVAILING HOURS OF WORK PER WEEK.			
INDUSTRY.	Total.	48 and under.	Between 48 and 54,	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.	
Fancy articles, not elsewhere specified Fertilizers. Firearms and ammunition Flags, banners, regalia, society badges, and emblems Flour-mill and gristmill products.	3, 430 908 1, 781 818 2, 990	187 11  109 79	773 2 87 12	338 2 527 539	1,796 1 1,308 80 57	336 578 469 10 1,839	258  119	60		
Food preparations. Foundry and machine-shop products. Fur goods. Furnishing goods, men's. Furnishing goods, men's.	3,023 64,066 8,244 18,186 20,281	117 2,001 518 806 1,999	$151 \\ 7,087 \\ 4,213 \\ 3,658 \\ 1,460$	328 23,062 2,870 2,070 1,098	736 15,091 544 11,307 6,441	1,356 16,665 95 283 9,272	335 160 4 11	2	1U	
Furs, dressed Gas and electric fixtures and lamps and reflectors. Gas, illuminating and heating. Glass, cutting, staining, and ornamenting.	755 6,017 6,422 3,114 3,118	28 87 22 869 598	73 1,458 776 907	98 1,702 280 122	$311 \\ 1,900 \\ 100 \\ 328 \\ 1,358$	245 864 400 1,361 133	5 888	1,001	3,349	
Gloves and mittens, leather. Gold and silver, reducing and refining, not from the ore Hair work Hat and cap materials. Hats and caps, other than folt, straw, and wool	6,287 42 2,313 905 3,348	115 10 152 50 55	241 27 861 151 1,473	193 5 1, 143 14 682	5,490  70 747 825	248 62 3 291	25 22			
Hats, fur-felt. Hats, straw. Hosiery and knit goods. House-furnishing goods, not elsewhere specified. Ice, manufactured.	5,013 2,508 35,950 1,812 1,124	672 236 427 121 91	1,060 1,126 1,312 959	36 258 454 397 76	3,236 384 7,945 63 65	9 504 24,934 253 107	878 19 225	26	534	
Ink, printing. Instruments, professional and scientific. Iron and steel, blast furnaces. Iron and steel, steel works and rolling mills. Jewelry.	525 1,964 2,298 10,091 5,379	110 65 	31 350 67 2,943	64 467 423 1,376	264 1,072 1,695 728	56 10 101 4,745 50	374	335 8,161		
Jewelry and instrument cases. Lapidary work. Lead, bar, pipe, and sheet. Leather goods. Leather, tanned, curried, and finished.	1, 172 499 185 7, 586, 5, 688	86 274 179 18	346 138 788 226	162 83 38 1,019 211	$200 \\ 4 \\ 54 \\ 4,245 \\ 2,470 \\ 2,470 \\ 100 \\ 1$	378 93 1,324 2,763	9			
Liquors, malt Liquors, vinous. Looking-glass and ploture frames Lumber and timber products. Malt.	8,731 271 1,491 27,471 524	1,528 2 74 1,878 10	292 45 282 1,336 4	5,176 195 3,822 22	314 456 5,949 27	758 222 484 14,105 77	663 2 381 378			
Marble and stone work. Mattresses and spring beds. Millinery and lace goods. Mirrors. Models and patterns, not including paper patterns.	1,621 21,078 983	4,377 65 1,471 53 62	256 167 10,562 587 458	590 252 4,786 201 180	684 692 3,970 72 320	1,004 421 289 70 62	19 22			
Musical instruments, planos and organs and materials Oil, linseed Oileioth and linoleum Optical goods. Paint and varnish	$560 \\ 1,102 \\ 2,047$	364 	1,481 101 951	0,967 7 20 1,400 512	649 310 420 844	2,477 275 772 11 619	35			
Paper and wood pulp Paper goods, not elsewhere specified. Paper patterns. Patent medicines and compounds and druggists' proparations. Pans, fountain, stylographic, and gold	4.728	1,2953320661,53341	1,079 1,095 . 89 1,762 104	279 608 6 491 429	502 1,372 692 156	2,656 296 239	2,563			
Photographic apparatus and materials. Photo-engraving. Pipes, tobacco. Pottery, tarra-cotta, and fire-clay products. Printing and publishing.	1,663 2,367	59 432 39 234 34,754	98 895 1,344 423 15,083	3,753 135 570 8,512	178 65 113 617 4,081	3 82 451 670		. 72	2	
Rubber goods, not elsewhere specified Salt. Scales and balances. Shipbuilding, including boat building. Silk and silk goods, including throwsters.	1,525 453 5,644 12,903	101 2,271 32	82 9 882 1,305	88 238 120 2,000 1,042	939 16 214 160 7,753	856 984 107 331 2,771				
Silverware and plated ware. Slaughtering and meat packing. Smelting and refning, not from the ore. Soap. Stationery goods, not elsewhere specified.	284 2,976 1,243	99 549 3 20 42	331 326 315 196	1,135 718 1,152 742	1,27545095753235	225 3,995 143 736 28	50 43			
Steam packing Stereotyping and electrotyping Stoves and furnaces, including gas and oil stoves Surgical appliances and artificial limbs Tobacco manufactures	905 4,247 464 30,019	35 759 373 97 10,419	143 95 105 162 5,252	40 48 811 110 1,132	622 3 1,543 72 10,542	55 1,347 23 2,657	68 16			
Toys and games. Typewriters and supplies. Umbreilas and canes. Vinegar and cider. Wall paper.		$ \begin{array}{c c} 161 \\ 123 \\ 59 \\ 14 \\ 1 \end{array} $		$26 \\ 125 \\ 234 \\ 14 \\ \dots \dots$	660 3,563 1,112 9 613	35 540 133 484 976			1    i  i i	
Wall plaster Window shades and fixtures Wire. Wirework, including wire rope and cable	. 1,439 1,649	52 114 10	122	8 119 424	6 227 640 820	1,271 328 799 291				
Wood distillation, not including turpentine and rosin. Wood, turned and carved. Woolen, worsted, and felt goods, and wool hats All other industries.	593 1,279 9,460 40,369	215 30 2,964	649	160 6,592	492 4,570 11,594	117 279 4,211 9,644	14	i		

More than two-thirds of the wage earners employed in the manufacturing industries of New York in 1909 worked from 54 to 60 hours a week, while more than one-fourth (27.5 per cent) were employed in establishments where the usual hours were less than 54 a week, and only 4.1 per cent of the total were employed in establishments where more than 60 hours prevailed. The largest number was reported for establishments where the prevailing hours were more than 54 and less than 60 per week.

It will be noted that in most of the larger industries the employment was confined mainly to a week of from 54 to 60 hours. Over two-thirds of the wage earners in the cotton-goods, canning and preserving, and hosiery and knit-goods industries, and more than half of those in the slaughtering and meat-packing, bakery, brick and tile, and lumber industries, however, were employed in establishments where the usual hours were 60 per week. The majority of the wage earners engaged in the blast-furnace and in the gas industries worked more than 72 hours per week, while in marble and stone work, in printing and publishing, and in several smaller industries the prevailing hours of labor for a majority of the wage earners were 48 or less per week.

Location of establishments.—The following table shows the extent to which the manufactures of New York are centralized in cities or villages of 10,000 inhabitants or over. (See Introduction.) Statistics for Lackawanna, a city having over 10,000 inhabitants, whose manufactures are practically all carried on by a single corporation, are included with those for the sections of the state outside of such cities and villages, so as to avoid the disclosure of individual operations.

			CIT	CITIES AND VILLAGES HAVING A POPULATION OF 10,000 AND OVER.							DISTRICTS OUTSIDE OF CITIES AND VIL-		
ITEM.	Year.	Aggregate.	Total.		10,000 to 25,000. 25,000 to 100		00,000. 100,000 and		OVER. 10,000 ANI		TION OF		
an Ang ang ang ang ang ang ang ang ang ang a		· · .	Number or amount.	Per cent of total.	Number or amount.	Per cent of total.	Number or amount.	Per cent of total.	Number or amount.	Per cent of total.	Number or amount.	Per cent of total.	
Population	1910 1900	9,113,614 7,268,894	6, 756, 593 4, 917, 781	74.1 67.7	425,022 446,342	4.7 6.1	685, 322 410, 868	7.5 5.7	5, 646, 249 4, 060, 571	62. 0 55. 9	2,357,021 2,351,113	25.9 32.3	
Number of establishments	1909 1899	44,935 35,957	$34,436 \\ 26,467$	76.6 73.6	1,915 2,073	4.3 5.8	2, 494 1, 822	5.6 5.1	30,027 22,572	66.8 62.8	10,499 9,490	23.4 26.4	
Average number of wage earn- ers,	1909 1899	1,003,981 726,909	856, 875 605, 358	85.3 83.3	67,243 72,177	6.7 9.9	117, 101 70, 462	11.7 9.7	672, 531 462, 719	67.0 63.7	147,106 121,551	14.7 16.7	
Value of products	1909 1899	\$3,369,490,192 1,871,830,872	\$2,925,071,637 1,613,789,902	86. 8 86. 2	\$179,359,667 124,970,992	5.3 6.7	\$312, 278, 868 124, 106, 211	.3 6.6	\$2,433,433,102 1,364,712,699	72.2 72.9	\$444, 418, 555 258, 040, 970	13.2 13.8	
Value added by manufacture	1909 1899	1,512,585,850 853,453,686	1,338,483,993 743,566,680	88.5 87.1	75, 178, 787 56, 794, 694	5.0 6.7	141, 536, 506 63, 000, 645	9.4 7.4	$\substack{1,121,768,700\\623,771,341}$	74.2 73.1	174, 101, 857 109, 887, 006	$\begin{array}{c} 11.5\\12.9\end{array}$	

In 1909, 86.8 per cent of the total value of products for all manufacturing industries in the state was reported from cities and villages having over 10,000 inhabitants, and 85.3 per cent of the average number of wage earners were employed in such cities and villages. While comparatively little change occurred during the decade, the industries located in incorporated places of this size were somewhat more important relatively and those located outside of such places somewhat less important in 1909 than in 1899.

It should be borne in mind, in considering this table, that the increase in the population of certain cities and villages between 1900 and 1910 has caused considerable change in the make-up of some of the groups shown in the table. Eleven places-White Plains, Olean, Port Chester, North Tonawanda, Batavia, Cortland, Ossining, Hudson, Plattsburg, Rensselaer, and Fulton—which had more than 10,000 inhabitants in 1910, had less than that number in 1900, so that for 1899 their statistics are not included with those for incorporated places having a population above that limit. The total value of products reported for these 11 places in 1909 was \$55,595,612, or 1.6 per cent of the total shown for the entire state. If the figures for these places were subtracted from those shown in the table for cities and villages of 10,000 inhabitants or over for 1909 and added to those for the remainder of the state,

the proportion for the former would be 85.2 per cent and for the latter 14.8 per cent of the aggregate. These percentages would therefore represent the proportions of the total value of products in 1909 reported for the same areas for which statistics are given for 1899. In 1900 Jamestown, Amsterdam, Mount Vernon, Niagara Falls, New Rochelle, Poughkeepsie, Newburgh, Watertown, and Kingston were cities of the first group—10,000 to 25,000 inhabitants—but during the following decade the population of each so increased that in 1910 all were cities of the second group—25,000 to 100,000 inhabitants. Albany was a city of the second group in 1900, but by 1910 the increase in the population enabled it to be classed in the third group— 100,000 inhabitants or over.

Each of the three groups into which the incorporated places of 10,000 inhabitants or over are divided in the table shows a substantial increase in number of manufacturing establishments, average number of wage earners, value of manufactured products, and value added by manufacture in 1909 as compared with 1899, except that the group comprising the cities and villages having between 10,000 and 25,000 inhabitants shows a decrease in number of establishments and average number of wage earners, due principally to the changes in its composition which have already been referred to. Of the total value of products reported for the state in 1909, 5.3 per cent was reported from the 29 cities and villages having between 10,000 and 25,000 inhabitants, 9.3 per cent from the 16 cities having between 25,000 and 100,000 inhabitants, 72.2 per cent from the 5 cities having more than 100,000 inhabitants, and 13.2 per cent from the remainder of the state.

The population in 1910 and 1900 of the 51 cities and villages which had 10,000 inhabitants or over in 1910 is given in the following statement:

CITY OR VILLAGE.	1910	1900	CITY OR VILLAGE.	1910	1900
New York City Buffalo Rochester Syracuse Albany Yonkers Troy Utica Schenectady Binghamton Elmira Auburn Jamestown Auburn Jamestown Mount Vernon Niagara Falls New Rochelle Poughkeepsie Newburgh Watertown Cahoes Oswego Gloversville Rome Lockport	$\begin{array}{c} 423,715\\218,149\\137,249\\100,253\\776,813\\776,803\\776,813\\774,419\\72,826\\45,443\\87,176\\34,668\\37,176\\34,668\\37,176\\33,297\\31,227\\83,919\\30,445\\225,867\\27,936\\27,805\\226,730\\26,730\\26,730\\26,730\\26,730\\26,730\\26,730\\26,730\\26,368\\20,642\\20,642\\20,649\\20,497\end{array}$	$\begin{array}{c} 3,437,202\\ 852,387\\ 102,008\\ 108,374\\ 94,151\\ 47,031\\ 175,057\\ 56,383\\ 31,682\\ 30,647\\ 30,647\\ 30,647\\ 30,647\\ 30,647\\ 30,647\\ 20,929\\ 20,929\\ 20,929\\ 20,929\\ 20,929\\ 10,467\\ 14,720\\ 24,929\\ 10,467\\ 14,720\\ 24,943\\ 21,606\\ 24,535\\ 23,910\\ 23,910\\ 23,910\\ 23,910\\ 33,910\\ 35,343\\ 16,343\\ 10,581\\ \end{array}$	Dunkirk. White Plains. Ogdensburg. Middlotown. Peekskill. Glens Falls. Watervilet. Ithaca. Olean Lackawanne <sup>2</sup> . Corning. Hornel. Port Chester Saratoga Springs. Geneva. Littlo Falls. North T o n a- wanda. Batavia. Cortland. Ossining Hudson. Plattsburg. Reensselaer. Fulton.	11,613 11,504 11,480 11,417 11,138 10,711	$\begin{array}{c} & 11,616 \\ 7,899 \\ 12,633 \\ 14,522 \\ 10,358 \\ 12,613 \\ 14,522 \\ 10,358 \\ 12,613 \\ 14,321 \\ 13,136 \\ 13,136 \\ 13,136 \\ 13,136 \\ 14,321 \\ 13,136 \\ 13,136 \\ 14,321 \\ 13,136 \\ 14,321 \\ 14,321 \\ 10,381 \\ 10,3$
	1	1	11	1 · · · ·	

<sup>1</sup> Includes population of parts of the towns of Brunswick, Lansingburg, and North Greenbush, annexed in 1900. <sup>2</sup> Incorporated from part of West Senece town in 1909. Manufacturing statistics for this city can not be shown separately without disclosing individual operations. <sup>3</sup>Includes population of Oswego Falis, annexed in 1902.

The relative industrial importance of these cities and villages is shown in the next table, in which the value of products and the average number of wage earners are shown separately for 1909, 1904, and 1899, so far as figures are available. Lackawanna is not included in that table, for reasons already referred to.

Every city or village for which comparative statistics are available shows an increase in value of products, and all but seven an increase in the number of wage earners, for the decade 1899-1909. For the five-year period 1904-1909 all except five-Dunkirk, Hudson, Ithaca, Watervliet, and Corning-show increases in value of products, and all except nine increases in the number of wage earners. The largest decrease in value of products during this period, \$3,-333,596, or 33.6 per cent, took place in Dunkirk, and was the result of the decline in the output of the locomotive works, which constituted the leading industry in that city. The decrease in Hudson was due mainly to the decline in the production of cement, while the loss in Corning was chiefly in the value of foundry and machine-shop products, two plants engaged in this branch of manufacture having moved to Rochester since 1904, and one having gone out of business. The other two cities showing losses in value of products are comparatively small industrial centers whose manufactures cover many industries. The largest relative increase for the five-year period, 196.9 per cent, was made by Plattsburg, and was due largely to the establishment of an automobile factory there since 1904. The next largest relative gain, 113.9 per cent, was made by Olean, and was due in part to the resumption of business by a steam-railroad repair shop and a petroleum refinery in that city, both of which were idle in 1904. Other noteworthy gains occurred in Little Falls (89.2 per cent), principally as a result of the increased production of hosiery and knit goods and of leather; in Mount Vernon (79.8 per cent), mainly on account of the establishment of new industries since 1904; in Yonkers (76.9 per cent), largely as the result of the gains in the output of refined sugar. carpets and rugs, and fur-felt hats; and in Glens Falls (72.6 per cent), chiefly because of the growth of the manufacture of men's clothing (including shirts) and of cement, and the starting of new industries there since 1904.

		E NUMI E EARNI		VAL	UE OF PRODU	CTS,
CITY OR VILLAGE.	1909	1904	1899	1909	1904	1899
New York City.	554,002	464,716	388, 586	\$2,029,692,576	\$1,526,523,006	\$1,172,870,261
Boroughs; Manhattan Bronx	385,358 14,434	339, 221 ( <sup>1</sup> )	285,265	1,388,408,005 42,680,793	1 (1)	810, 807, 975
Brooklyn Queens Richmond		104,995 14,905 5,595	( <sup>1</sup> ) 87,445 10,684 5,192	417, 222, 770 151, 680, 120 29, 700, 888	373,462,930 92,941,158	813, 617, 489 35, 427, 561 13, 017, 236
Buffalo Rochester <sup>2</sup>	51,412 39,108	43, 567 31, 779	34, 275 28, 049	218,803,994 112,676,215	147 977 979	105 407 100
Yonkers. Syracuse <sup>2</sup> Schenectady	12,711 18,148 14,931	9,779 14,554 14,818 19,114	7.555	59, 333, 865 49, 434, 615	33, 548, 688 34, 687, 109	59,668,959 17,803,690 26,546,297 17,604,859
Troy. Utica Niagara Falls	20,020 13,153	10,882	8,898	38, 164, 699 37, 979, 986 31, 199, 261	44,000,011	10,419,321
Albany	6,089 9,861 10,284	4, 574 8, 970 7, 993	6,261	28,651,913 22,825,702 22,449,057	20, 208, 715	8,540,184 17,268,690 10,643,310
Binghamton Auburn Cohoes	0,823	5,636 6,660	5,011	$\begin{array}{c} 22,449,057\\17,114,214\\15,961,022\\14,830,722\end{array}$	13,420,803	10, 539, 242 9, 575, 000 11, 031, 169
Jamestown Rome	8,209 6,789 3,633 5,741	3,209	4,528 2,274	14,720,240 14,423,437	10,349,752	5 548 622
Oswego	3,817	5,048 3,740 1,175	3,457	10, 412, 888 10, 005, 443	4,0((,4()	7,486,637 6,210,156 5,357,742
Newburgh <sup>2</sup> North Tona- wanda Poughkeepsie	1 2.824	4,013	1,656	and the second second second	6, 499, 812	6, 293, 686
Watertown <sup>2</sup> Little Falls	$     \begin{array}{r}         8,299 \\         3,291 \\         4,211 \\     \end{array}   $	8,775 3,020 2,621	8,223 2,980	8,527,416 8,460,408	7,250,744	6,887,831
Lockport Elmira <sup>2</sup> Peekskill	$2,138 \\ 3,647 \\ 2,055$	2,323 3,208 1,957	$3,570 \\ 1,281$	1 7,000,100	1 1,201,001	5,352,669 6,596,603 1,782,977
Fulton Dunkirk Johnstown	2,799 2,756 2,589	(*) 3,395 2,420	3,695	H H. 573, 525	9,909,200	9 5.123.37
Cortland Port Chester Kingston <sup>2</sup>	2,589 2,356 2,122 3,281	2,282 ( <sup>8</sup> ) 2,630	1,412 ( <sup>3</sup> ) 2.042	6, 394, 624 6, 243, 051 5, 985, 738	4, 574, 191 (3) 4, 811, 850	3, 952, 34
Geneva. Ogdensburg Glens Falls 2	1,526 1.259	1,580 929 2,052	1,180 809 3 101	4,947,970	3,057,271	3,993,63
Middletown Batavia Hornell	2,774 1,733 2,007 2,183	1,596 1,603 2,200	1,396	4,658,240 4,400,774 3,647,630	3, 356, 330 3, 589, 400 3, 162, 677	2,104,74
Hudson Mount Vernon Plattsburg	1,302 1,207 1,049	1,524 670 750	438	3,500,504	1,877,50	2,603,67 909,71 1 043,13
Corning Saratoga Springs	2,074	2,355 590 ( <sup>3</sup> )	1,600	3,050,410	1,709,07	1,334,32 (8)
Rensselaer Ithaca. New Rochelle	873	873 517	861 198	1,919,968	2,080,000 1,102,810	2 1,500,60 508,16 2 1,507,29
Watervliet <sup>2</sup> Ossining. White Plains	753 356 249	1,111 ( <sup>8</sup> ) ( <sup>3</sup> )	1,000 ( <sup>3</sup> ) ( <sup>8</sup> )	1,668,579 1,328,928 815,789	5 ( <u>*</u> )	(3) (2)

<sup>1</sup> Included in Manhattan Borough. <sup>2</sup> Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city. <sup>3</sup> Figures not available.

New York City is not only the leading city and the commercial center of the United States, but also the industrial metropolis, holding first place in the total value of manufactured products as well as in many individual industries. In 1909 the population of New York City was practically equal to that of the state of Ohio, and exceeded only by Pennsylvania, Illinois, and New York itself, but the value of its manufactured products exceeded that reported by any state except Pennsylvania and New York. This predominance in manufactures is connected closely with the abundant supply of labor, its large immigrant population being in particular an influential factor in causing manufacturing enterprises to locate there. New York City is the chief center of trade between the United States and Europe and also one of the principal distributing points for domestic trade. This commercial importance has also contributed greatly to the high rank of the city in manufacturing industries and to making New York the financial center of the United States, thereby rendering it easy to obtain capital for the establishment and extension of such industries.

Measured by the increase in value of manufactured products, the industrial development of New York City from 1904 to 1909 was greater than from 1899 to 1904, the increase being \$503,169,570, or 33 per cent, for the period 1904-1909, and \$353,652,745, or 30.2 per cent, for the period 1899-1904. During the more recent five-year period the average number of wage earners in the manufacturing industries of the city increased 89,286, or 19.2 per cent, as compared with an increase of 76,130, or 19.6 per cent, for the earlier period. Of the 44,935 manufacturing establishments reported for the state in 1909, 25,938, or 57.7 per cent, were located in this city; the proportion for 1904 was 56 per cent, and for 1899, 53.5 per cent.

The establishments in New York City reported 55.2 per cent of the wage earners and 60.2 per cent of the value of products for the state in 1909, as compared with 54.2 per cent and 61.3 per cent, respectively, in 1904. The value of the city's manufactures represented 9.8 per cent of the total value of manufactured products for the United States in 1909 and 10.3 per cent in 1904. Of the 243 industry classifications employed in compiling the 1909 statistics for manufactures of the state, 217 were represented in this city, 131 of which covered industries with products valued at more than \$1,000,000.

There were 21 industries in New York City in 1909 for which a value of products in excess of \$20,000,000 was reported. For 2 of these industries, the refining of cane sugar and the smelting and refining of copper, statistics can not be presented separately without disclosing the operations of individual establishments. The other 19 industries, arranged in order of value of products, are indicated in the following tabular statement, which shows the absolute and relative increase in this respect between 1904 and 1909, and also the percentage which the value of products for each industry represents of the corresponding total for the state:

	VALUE OF PRODUCTS: 1909.						
INDUSTRY.		Per cent of	Increase over 1904.				
	Amount.	total for the state,	Amount.	Per cent.			
Clothing, women's	\$266, 477, 000 218, 411, 000 183, 509, 000 65, 802, 000 63, 853, 000 61, 904, 000 53, 469, 000 51, 239, 000 39, 874, 000 34, 117, 900 26, 664, 000 25, 516, 000 24, 984, 000 24, 984, 000 24, 984, 000 21, 098, 000 20, 002, 000	97. 8 82. 1 84. 6 75. 8 81. 5 71. 8 98. 3 96. 5 80. 6 98. 4 75. 8 60. 4 66. 9 33. 3 60. 6 99. 7 99. 7	\$98,058,000 (88,927,000 45,007,000 (1,963,000 17,904,000 18,896,000 14,595,000 4,402,000 (3,834,000 6,586,000 2,903,000 (5,914,000 17,132,000 (6,017,000	$\begin{array}{c} 58.2\\ 46.1\\ 32.2\\ 71.4\\ 10.2\\ 23.2\\ 40.2\\ 23.2\\ 58.4\\ 57.2\\ 14.8\\ 16.8\\ 34.8\\ 53.8\\ 37.2\\ 13.7\\ 34.6\\ 37.2\\ 13.7\\ 34.6\\ 432.0\\ 432.6\\ 432.6\\ 42.8\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34.6\\ 37.6\\ 34$			

It will be noted that for five of the industries included in the preceding tabular statement more than 90 per cent of the total value of products for the state was reported from New York City, the proportion rising as high as 99.7 per cent in the case of the manufacture of artificial flowers and feathers and plumes. In seven other industries the establishments located in New York City contributed more than three-fourths of the total value of products for the state. For only two industries included in the table—the foundry and machine-shop and the lumber industries—was less than one-half of the total value of products for the state reported from New York City.

The leading industries in New York City in 1909 were the making of women's clothing and of men's clothing. There were 5,521 establishments in the two industries combined, which gave employment to an average of 161,400 wage earners and manufactured products valued at \$484,888,000. The printing and publishing industry was next in importance, with 2,883 establishments, 48,322 wage earners, and products valued at \$183,509,000. The value of the products of the three industries just mentioned represented 32.9 per cent of the total value of manufactured products for the city, and they employed 37.9 per cent of the average number of wage earners engaged in all manufacturing industries.

In addition to the 118 industries presented separately for New York City in Table I, page 858, there were 99 others which, for various reasons, are included under the head of "All other industries." Some of these industries were among the most important in the city, 36 reporting products in 1909 exceeding \$1,000,000 in value.<sup>1</sup> Of these, 4 reported products valued at \$10,000,000 or over; 6, products between \$5,000,000 and \$10,000,000 in value; and 26, products between \$1,000,000 and \$5,000,000 in value.

Of the five boroughs which form New York City, the Borough of Manhattan is the most important industrially, the value of the manufactured products reported by the establishments within its limits in 1909 constituting 68.4 per cent of the total for the entire city. The proportions of the total contributed by the other boroughs in that year were as follows: Brooklyn. 20.6 per cent; Queens, 7.5 per cent; the Bronx, 2.1 per cent; and Richmond, 1.5 per cent. Each borough made substantial gains from 1904 to 1909 in all items covered by the manufactures statistics, with the single exception that the Borough of Richmond shows a decrease in the number of proprietors and firm members. The relative increase in value of products was much greater in the boroughs of Richmond and Queens, however, than in the city as a whole, while in the Borough of Brooklyn it was considerably less, the percentages of increase being as follows: New York City, 33; Borough of Richmond, 76.1; Borough of Queens, 63.2; Borough of Brooklyn, 11.7; and the boroughs of Manhattan and the Bronx combined, 37.2. The leading industries in the Borough of Manhattan were to a large extent the same as those previously enumerated for the city as a whole, while in the Borough of Brooklyn refined sugar was the leading product; in the Borough of Queens, smelted and refined copper; in the Borough of the Bronx, pianos and organs and materials; and in the Borough of Richmond, soap.

The totals presented for New York City do not include the statistics for three establishments operated by the Federal Government, namely, the United States navy yard, with 3,622 wage earners and products valued at \$7,032,416 in 1909; the United States Naval Clothing Factory, with 96 wage earners and products valued at \$670,198, located in Brooklyn; and the United States Lighthouse Establishment, with 60 wage earners and products, such as illuminating and signal apparatus and machinery and other lighthouse supplies, valued at \$995,745, located at Tompkinsville, in the Borough of Richmond.

<sup>1</sup> These industries are:	
Awnings, tents, and sails. Babbitt metal and solder. Bags, other than paper. Baking powders and yeast. Billiard tables and materials. Chocolate and cocca products. Clotch, sponging and refinishing. Cordials and sirups. Cork, cutting. Dentists' materials. Dyestuffs and extracts. Flavoring extracts. Flavoring extracts. Flour-mill and gristmill products. Glue. Grease and tallow. Hat and cap materials. Hats, straw. Iron and steel, steel works and rolling mills.	Iron and Labels an Labels an Lapidary Liquors, c Mineral an Moving pi Mucilage a Oil, not el Oileloth a Paper pat Petroleum Signs and Smelling Sugar, refi Tin foil.

Iron and steel forgings. Labels and tags. Lapidary work. Liquors, distilled. Mineral and soda waters. Moving pictures. Mucilage and paste. Oil, inseed. Oil, inseed. Oil, ot elsewhere specified. Oilcloth and linoleum. Paper patterns. Pencils, lead. Petroleum, refining. novelties. Signs and advertising novelties. Smelling and refining, copper. Smeling hot including beet sugar. Tin foil. Buffalo, the second city of importance in the state, shows an increase from 1904 to 1909 of \$71,426,121, or 48.5 per cent, in value of products, and of 7,845, or 18 per cent, in the average number of wage earners. Ranked by value of products, Buffalo was ninth among the cities of the United States in 1909, as compared with eleventh in 1904. In 1909 the average number of wage earners employed in manufacturing industries in Buffalo represented 5.1 per cent, and the value of its manufactured products, 6.5 per cent, of the respective totals for the state.

The leading industries of Buffalo, arranged in the order of value of products, are indicated in the following tabular statement, which shows the absolute and relative increase in this respect between 1904 and 1909, and also the percentage which the value of products for each industry represents of the corresponding total for the state:

	VALUE OF PRODUCTS: 1909,							
INDUSTRY.		Per cent of	Increase over 1904.					
	Amount.	total for the state.	Amount.	Per cent.				
Slaughtering and meat packing Foundry and machine-shop products Flour-mill and gristmill products Automobiles, including bodies and parts Soap. Printing and publishing Malt.	\$25,410,000 20,775,000 19,942,000 9,598,000 8,653,000 7,679,000 7,095,000	$20.0 \\ 13.5 \\ 28.6 \\ 31.0 \\ 36.7 \\ 3.5 \\ 64.2$	\$9, 196, 000 6, 218, 000 10, 134, 000 8, 212, 000 3, 860, 000 1, 233, 000 4, 059, 000	56.7 42.7 103.3 592.5 80.5 19.1 133.7				

The blast-furnace industry, the manufacture of linseed oil, and the smelting and refining of copper, which are also among the principal industries of the city, are not included in the above table, since statistics for these three industries can not be presented separately without disclosing the operations of individual establishments. More than one-half of the value of the linseed oil manufactured in New York in 1909 was, however, reported from Buffalo.

In addition to the 43 industries shown separately for Buffalo in Table I, page 856, and the 3 industries referred to in the preceding paragraph, there were a number of others which, for reasons similar to those given in the discussion of the corresponding group for the state as a whole (p. 800), are included under the head of "All other industries" in Table I. Some of these industries were among the more important in the city; in fact, 13 reported products between \$1,000,000 and \$5,000,000 in value for 1909.<sup>2</sup>

Rochester shows an increase in 1909, as compared with 1904, of \$31,566,780, or 38.9 per cent, in value of

<sup>2</sup> These industries are:
A gricultural implements. Belting and hose, woven and rubber. Boxes, fancy and paper. Cars, steam-railroad, not including oper- ations of railroad companies. Fortilizers. Food preparations. Iron and steel, steel works and rolling

Musical instruments, planes and organs and materials. Paint and varnish. Petroleum, refining. Rubber goods, not elsewhere specified. Sulphuric, nitric, and mixed acids. W cod distillation, not including turper

tine and rosin.

816

products, and 7,329, or 23.1 per cent, in the average number of wage earners. It ranked twentieth in 1909 and twenty-first in 1904 among the manufacturing cities of the United States, as measured by value of products. The average number of wage earners and the total value of products reported from this city in 1909 formed 3.9 per cent and 3.3 per cent, respectively. of the corresponding totals for the state. The leading industries of the city, named in the order of the value of their products, are the making of men's clothing, the manufacture of photographic apparatus and materials, the manufacture of boots and shoes, the foundry and machine-shop industry, and printing and publishing. The larger part of the photographic apparatus and materials manufactured in New York are made in Rochester, while 27.9 per cent of the value of products for the boot and shoe industry of the state in 1909, over one-half of that for the optical-goods industry, and 19.4 per cent of that for the button industry were reported from this city.

In addition to the 40 industries shown separately for Rochester in Table I, page 871, there were 12 other industries having a value of products in excess of \$500,000 in 1909 which are included under the head of "All other industries,"<sup>1</sup> some of these being among the most important industries of the city.

The manufacturing activities of Yonkers were confined largely to five industries which, named in order of their relative importance as measured by value of products, were as follows: Sugar refining, not including beet sugar; carpets and rugs, other than rag; fur-felt hats; foundry and machine-shop products; and rubber goods, "not elsewhere specified." With the exception of the foundry and machineshop industry, less than three establishments were reported for each of these industries, so that their statistics can not be presented separately without disclosing the operations of individual establishments.

The factories of Syracuse in 1909 showed an increase over 1904 of 3,594, or 24.7 per cent, in the number of wage earners, and of \$14,747,506, or 42.5 per cent, in value of products. This city has a considerable number of important industries, 14 of which had a value of products in 1909 exceeding \$1,000,000. The most important of these were the manufacture of automobiles, the foundry and machine-shop industry, the manufacture of typewriters and typewriter supplies, and the making of men's clothing.

Schenectady owes its importance largely to the manufacture of electrical machinery, apparatus, and

<sup>1</sup> These industries, named in order of the value of products, are: Photographic apparatus and materials. Petroleum, refining. Optical goods. Copper, tin, and sheet-iron products. Stationery goods, not elsewhere specified. Gas, illuminating and heating. 53063°-12-52 supplies and the construction of steam-railroad locomotives. Three establishments were reported for the former industry and one for the latter, but the statistics for these industries can not be presented separately without disclosing the operations of individual establishments. It may be stated, however, that these two industries contributed the bulk of the total value of products shown for all manufacturing industries in the city combined. The city as a whole shows an increase in 1909, as compared with 1904, of \$5,080,248, or 15.4 per cent, in value of products and 615, or 4.3 per cent, in the average number of wage earners.

Troy, which shows an increase for the five years from 1904 to 1909 of \$6,119,157, or 19.2 per cent, in value of products, and of 906, or 4.7 per cent, in the average number of wage earners, owes its importance in manufactures mainly to the collar and cuff branch of the men's furnishing-goods industry, the men's clothing industry, and the output of the steel works and rolling mills, breweries, foundries and machine shops, and knitting mills. These 6 industries combined reported products in 1909 valued at \$29,252,466, or 77 per cent of the total value of products for the city. Troy is known throughout the country as a center for the manufacture of collars and cuffs. The 21 establishments which were engaged in this branch of manufacturing in Troy during 1909 reported products valued at \$13,638,745, which represented 85.8 per cent of the total value of such products for the state and 79.2 per cent of the total for the United States.

Utica is one of the leading cities of the state in the manufacture of textiles. During 1909 there were 15 knitting mills, 3 cotton mills, 1 worsted mill, and 1 cordage and twine mill in operation in the city, which together gave employment to an average of 7,725 wage earners and reported products valued at \$15,977,371, representing 58.7 per cent and 51.2 per cent of the respective totals for the city. Other industries of particular importance, as measured by value of products, were the making of men's clothing and the foundry and machine-shop, brewery, and lumber industries. For all industries combined the increases in 1909 over 1904 were \$8,318,944, or 36.4 per cent, in value of products, and 2,271, or 20.9 per cent, in average number of wage earners.

Niagara Falls is the center of the chemical industry in the state, the value of its chemical products in 1909 amounting to \$11,996,726, which was 33.9 per cent of the total for the industry in the state, and also represented 41.9 per cent of the total value of products for all manufacturing industries of the city combined. Furthermore, Niagara Falls far outranks all other cities of the United States in the manufacture of chemical substances by electrolytic processes, this branch of the chemical industry having developed very rapidly as a result of the utilization of the water power of the falls for the generation of electric current. Other industries of importance in 1909 were the manufacture of food preparations, the flour-mill and gristmill industry, and the manufacture of paper and wood pulp, silverware and plated ware, and emery and other abrasive wheels.

Albany shows an increase in 1909 over 1904 of \$2,616,987, or 12.9 per cent, in value of products, and 885, or 9.9 per cent, in the average number of wage earners. The manufacturing interests of this city include a considerable number of industries, the most important of which were printing and publishing, breweries, steam-railroad repair shops, foundries and machine shops, bakeries, and hosiery and knitting mills. Gloversville is the center of the leather glove and mitten industry not only in the state but also in the United States. Of the 225 establishments reported for the state in 1909, 87 were located in this city, the total value of their products being \$8,869,706, or 61.9 per cent of the total for the industry in the state and 62.6 per cent of the total value reported for all industries in the city. Johnstown, with 54 establishments manufacturing leather gloves and mittens in 1909, reported a product valued at \$3,258,362, which was nearly one-half the amount reported for all the manufacturing industries of the city.

The following tabular statement shows the principal industry or industries, as measured by value of products, in each of the remaining cities and villages having 10,000 inhabitants or over:

CITY OR VILLAGE.	Principal industry.	CITY OR VILLAGE.	Principal industry.
Amsterdam Binghamton Auburn Cohoes Jamestown Rome Oswego Olean Newburgh North Tonawanda Poughkeepsie Watertown Little Falls Lockport Elmira Peekskill Fulton Dunkirk Cortland Port Chester	Hosiery and knit goods. Tobacco manufactures. Agricultural implements. Cordage and twine. Hosiery and knit goods. Worsted goods. Furniture and refrigerators. Brass and bronze products. Matches. Starch. Petroleum, refining. Clothing, men's, including shirts. Lumber and timber products. Iron and steel, blast furnaces. Dairymen's, poulterers', and apiarists' supplies. Foundry and machine-shop products. Hosiery and machine-shop products. Flour-mill and gristmill products. Foundry and machine-shop products. Lumber and timber works and rolling mills.	Kingston Geneva	Flour-mill and gristmill products. Clothing, men's, including shirts. Cars and general shop construction and repairs by steam- railroad companies. Condensed milk. Leather, tranned, curried, and finished. Agricultural implements. Cars and general shop construction and repairs by steam- railroad companies. Hoslery and knik goods. Bruss and bronze products. Automobiles. Glass. Druggists' preparations. Felt goods. Printing and publishing. Printing and publishing. Foundry and inachine-shop products. Collars and cuffs.

The totals presented for Watervliet in Table I do not include the statistics for the arsenal in that city, operated by the Federal Government. In 1909 this plant employed an average of 308 wage earners and manufactured products valued at \$619,124.

Lackawanna is the center of the iron and steel industry in the state. The manufactures of the city are almost exclusively confined to that industry, which is represented mainly by two establishments, and for this reason the statistics for the city can not be presented separately, for to do so would disclose the operations of these establishments.

Character of ownership.—The table on page 819 has for its purpose the presentation of conditions in respect to the character of ownership, or legal organization, of manufacturing enterprises. For all industries combined comparative figures are given covering the censuses of 1909 and 1904. Comparative data for 1899 are not available. Figures for 1909 only are presented for several important industries individually. In order to avoid disclosing the operations of individual concerns it is necessary to omit several important industries from this table and the one following. The most important distinction shown is that be-

tween corporate and all other forms of ownership. For all industries combined, 20.8 per cent of the total number of establishments were in 1909 under corporate ownership, as against 79.2 per cent under all other forms. The corresponding figures for 1904 were 16.4 per cent and 83.6 per cent, respectively. Of the total value of products, however, the establishments operated by corporations reported 62.6 per cent in 1909, as against 37.4 per cent reported by those under all other forms of ownership, while in 1904 the corresponding figures were 56.1 per cent and 43.9 per cent, respectively. The greatest decrease in relative numerical importance from 1904 to 1909 is shown for establishments operated by individuals, which represented 56.5 per cent of the total number of establishments in 1909, as compared with 59.4 per cent in 1904. Among the industries given separately in the table, the gas industry shows the greatest proportion of the total value of products reported by establishments under the corporate form of ownership, namely, 99.9 per cent. The largest percentage for establishments operated by firms was 55.7 per cent, in the manufacture of men's clothing, and for those owned by individuals, 33.4 per cent, in the carriage and wagon industry.

INDUSTRY AND CHARACTER OF OWNERSHIP.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture,	INDUSTRY AND CHARACTER OF OWNERSHIP,	Num- ber of estab- lish- ments,	A verage number of wage earners.	Value of products.	Value added by manu- facture.
ALL INDUSTRIES: 1909 1904 Individual:	44,935 37,194	856,947	2, 488, 345, 579	\$1, 512, 585, 850 1, 139, 742, 293	Clothing, women's, 1909 Individual. Firm. Corporation 1.	3,083 1,470 1,344 269	98, 104 33, 552 48, 436 16, 116	\$272, 517, 792 89, 237, 856 137, 676, 990 45, 602, 946	\$124, 375, 317 40, 725, 856 62, 150, 256 21, 499, 205
1909 1904 Firm:	9,822	194,240 186,317 218,203	552, 350, 324 443, 142, 687 698, 928, 348 641, 741, 427	264, 480, 758 215, 989, 876 304, 973, 706	Per cent of total. Individual Firm	$100.0 \\ 47.7 \\ 43.6$	100.0 34.2 49.4	100. 0 32, 7 50. 5	100. 0 32. 7 50. 0
1909. 1904. Corporation: 1909. 1904.	8,737 9,345 6,086	214,520 589,771 454,396	2,108,026,670 1,396,924,211	279, 059, 847 940, 082, 508 642, 475, 934	Corporation 1	8.7 249	16.4 8,570	16.7 \$25, 540, 394	17.3 \$9,896,318
Other: 1909 1904	361 290	1,767 1,714	10, 184, 850 6, 537, 254	3,048,878 2,216,636	Individual. Firm Corporation	105 58 86	2,043 1,922 4,605	6, 101, 430 6, 203, 654 13, 235, 310	1,888,700 2,229,893 5,777,725
Per cent of total: 1909 1904 Individual:		100. 0 100. 0	100. 0 100. 0	100. 0 100. 0	Per cent of total Individual. Firm. Corporation	100.0 42.2 23.3 34.5	100.0 23.8 22.4 53.7	100.0 23.9 24.3 51.8	$100.0 \\ 19.1 \\ 22.5 \\ 58.4$
1909 1904 Firm:	56.5 59.4 21.9	19.3 21.7 21.7	16.4 17.8 20.7	17.5 19.0 20.2	Copper, tin, and sheet- iron products, 1909 Individual.	686 357	14, 689	\$38, 452, 127 5, 723, 130	<b>\$17, 417, 341</b> 3, 164, 499
1903 1904 Corporation: 1909 1904	23.5 20.8 16.4	25.0 58.7 53.0	25.8 62.6 56.1	24, 5 62, 2 56, 4	Firm. Corporation Per cent of total	144 185	2, 176 1, 647 10, 866 100. 0	5,723,130 3,914,233 28,814,764 100.0	2, 151, 314 12, 101, 528 100. 0
O ther: 1909 1904	0.8 0.8	0. 2 0, 2	0.3	0.2	Individual. Firm. Corporation	52.0 21.0 27.0	100.0 14.8 11.2 74.0	100.0 14,9 10.2 74,9	18.2 12.4 69.5
Agricultural implements, 1909 Findividual. Firm. Corporation	57 19 10 28	5,717 145 53 5,519	\$14, 970, 980 271, 450 245, 308 14, 454, 222	\$8,556,330 160,578 158,821 8,236,931	Flour-mill and gristmill products, 1909 Individual. Firm. Corporation.	983 591 271 121	2,990 771 468 1,751	\$69, 802, 278 12, 859, 782 8, 929, 954 48, 012, 542	\$9,331,977 1,929,975 1,312,740 6,089,262
Per cent of total Individual Firm. Corporation	100.0 33.3 17.5 49.1	100. 0 2. 5 0. 9 96. 5	100.0 1.8 1.6 96.5	100.0 1.9 1.9 96.3	Per cent of total Individual Firm Corporation	100.0 60.1 27.6 12.3	100. 0 25. 8 15, 7 58. 6	100.0 18.4 12.8 68.8	100.0 20.7 14.1 65.3
Automobiles, including bodies and parts, 1909. Individual. Firm. Corporation.	113 23 17 73	9,861 413 258 9,190	\$30, 979, 527 1, 003, 804 686, 829 29, 288, 894	<b>\$16, 071, 425</b> 604, 838 382, 963 15, 083, 624	Food preparations, 1909 Individual Firm Corporation	177 88 36 53	3, 023 263 589 2, 171	\$17, 324, 076 1, 630, 683 2, 006, 644 13, 686, 749	\$7,663,823 629,713 933,983 6,100,127
Per cent of total Individual Firm. Corporation.	20.4 15.0 64.6	100.0 4.2 2.6 93.2	100. 0 3. 2 2. 2 94. 5	100. 0 3. 8 2. 4 93. 9	Per cent of total Individual. Firm Corporation	100.0	100. 0 8. 7 19. 5 71. 8	100.0 9.4 11.6 79.0	100. 0 8. 2 12. 2 79. 6
Boots and shoes, if clud- ing cut stook and find- ings, 1909. Individual Firm. Corporation.	296 148 61 87	21,627 2,602 7,155 11,870	\$48, 185, 914 5, 359, 600 17, 534, 152 25, 292, 162	\$19, 211, 403 2, 290, 683 6, 366, 057 10, 554, 663	Foundry and machine- shop products, 1909 Individual. Firm. Corporation	1,872 731 329 812	64,066 6,809 6,047 51,210	<b>\$154, 370, 346</b> 14, 728, 284 12, 705, 821 126, 936, 241	<b>\$92,749,146</b> 8,876,449 7,947,174 75,925,523
Per cent of total Individual Firm Corporation	50.0 20.6	100.0 12.0 33.1 54.9	100. 0 11. 1 36. 4 52. 5	$     \begin{array}{r}       100.0 \\       11.9 \\       33.1 \\       54.9     \end{array} $	Per cent of total Individual Firm. Corporation	$   \begin{array}{r}     100.0 \\     39.0 \\     17.6 \\     43.4   \end{array} $	100.0 10.6 9.4 79.9	100.0 9.5 8.2 82.2	100.0 9.6 8.6 81.9
Carriages and wagons and materials, 1909 Individual. Firm. Corporation.	414	6,116 2,116 916 3,084	<b>\$13, 292, 531</b> 4, 434, 217 1, 605, 750 7, 252, 564	<b>\$7, 483, 813</b> 2, 661, 493 1, 057, 207 3, 765, 113	Furnishing goods, men's, 1909 Individual Firm Corporation	375 201 118 56	<b>18, 186</b> 2, 474 4, 457 11, 255	<b>\$42, 197, 117</b> 8, 180, 665 13, 918, 011 20, 098, 441	<b>\$20,620,777</b> 3,246,180 5,963,274 11,411,323
Per cent of total Individual. Firm. Corporation.	87 0	$     \begin{array}{r}       100.0 \\       34.6 \\       15.0 \\       50.4     \end{array}   $	100. 0 33. 4 12. 1 54. 6	$100. 0 \\ 35. 0 \\ 14. 1 \\ 50. 3$	Per cent of total Individual. Firm. Corporation	53.6 31.5	100.0 13.6 24.5 61.9	100. 0 19. 4 33. 0 47. 6	100.0 15.7 28.9 55.3
Chemicals, 1909 Individual. Firm Corporation	. 12	<b>5,748</b> 105 12 5,629	<b>\$35, 346, 072</b> 749, 025 74, 218 34, 522, 829	<b>\$15, 637, 518</b> 303, 022 46, 259 15, 288, 237	Gas, illuminating and heating, 1909 Individual Corporation <sup>2</sup> . Other	8 130	6,422 7 6,413 2	<b>\$42, 346, 726</b> 18, 405 42, 321, 805 6, 516	\$27,328,320 7,875 27,319,387 1,058
Per cent of total Individual Firm Corporation	16.2 5.4 78.4	100.0 1.8 0.2 98.0	100.0 2.1 0.2 97.7	100. 0 1. 9 0. 3 97. 8	Per cent of total Individual. Corporation <sup>2</sup> . A. Other.	5.7 92.2	100.0 0.1 99.9 ( <sup>3</sup> )	100. 0 ( <sup>8</sup> ) 99. 9 ( <sup>8</sup> )	( <sup>8</sup> ) ( <sup>3</sup> ) ( <sup>3</sup> )
Clothing, men's, includ- ing shirts, 1909 Individual. Firm Corporation.	1,648	<b>91, 363</b> 30, 630 37, 820 22, 913	\$266,075,427 51,761,642 148,106,755 66,207,030	\$130, 748, 784 32, 264, 669 65, 052, 806 32, 531, 309	Hats, fur-felt, 1909 Individual Firm. Corporation	44 24 9 11	5, 013 423 641 3, 949	<b>\$10, 218, 660</b> 1, 558, 550 1, 630, 879 7, 029, 231	\$4, 812, 395 559, 556 852, 768 3, 400, 071
Per cent of total Individual. Firm. Corporation.	. 55.2		55.7 24.9	$ \begin{array}{r} 100. \ 0 \\ 24. \ 7 \\ 50. \ 4 \\ 24. \ 9 \end{array} $	Per cent of total Individual Firm Corporation oid disclosure of individual operation		12.8	100.0 15.3 16.0 68.8	100.0 11.6 17.7 70.7

Includes the group "Other," to avoid disclosure of individual operations.
 Includes the group "Firm," to avoid disclosure of individual operations.
 Less than one-tenth of 1 per cent.

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INDUSTRY AND CHARACTER OF OWNERSHIP.	Num- ber of estab- lish- ments.	A verage number of wage earners.	Value of products.	Value added by manu- facture.	INDUSTRY AND CHARACTER OF OWNERSHIP.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture,
Hosiery and knit goods, 1909. Individual. Firm Corporation. Per cent of total. Individual.	360 131 73 150 100. 0 36. 4	<b>35,950</b> 3,634 7,231 25,085 100.0 10.1	\$67, 130, 296 7, 360, 501 13, 969, 732 45, 800, 063 100, 0 11, 0	\$28, 452, 925 3,012, 405 6,087, 870 19, 352, 650 100, 0 10, 6	M u s i c a l instruments, planos and organs and materials, 1909 Individual Firm. Corporation Per cent of total.	184 55 26 . 103 100,0	11, 938 1, 744 1, 612 8, 582 100. 0	\$33,679,953 5,744,849 2,801,525 25,073,579 100,0	\$16, 185, 206 2, 402, 897 1, 719, 915 12, 002, 394
Firm. Corporation		20.1 69.8	20.8 68.2	21.4 68.0	Individual Firm. Corporation	$\begin{array}{c} 29.9 \\ 14.1 \\ 56.0 \end{array}$	$     \begin{array}{r}       14.6 \\       13.5 \\       71.9     \end{array} $	17.1 8.5 74.4	100.0 15.2 10.6 74.2
Leather goods, 1909 Individual Firm. Corporation.	272	7, 586 2, 223 2, 763 2, 600	\$20, 996, 602 5,883, 479 7,812, 400 7,300,723	<b>\$9, 364, 501</b> 2, 501, 382 3, 414, 884 3, 448, 235	Paint and varnish, 1909 Individual. Firm. Corporation	147 36 17 94	3, 047 402 196 2, 449	\$28, 559, 474 3, 799, 659 2, 047, 838 22, 711, 977	\$10, 864, 108 1, 226, 900 813, 220 8, 623, 988
Per cent of total Individual Firm Corporation	56.3 28.4 15.3	100.0 29.3 36.4 34.3	100. 0 28. 0 37. 2 34. 8	100. 0 26. 7 36. 5 36. 8	Per cent of total Individual. Firm. Corporation.	$100.0 \\ 24.5 \\ 11.6 \\ 63.9$	$100.0 \\ 13.2 \\ 6.4 \\ 80.4$	100.0 13.3 7.2 79.5	100.0 11.5 7.6 80.9
Leather, tanned, curried, and finished, 1909 Individual. Firm. Corporation.	109 41 35 33	<b>5,688</b> 1,133 1,728 2,827	\$27, 642, 383 3, 783, 188 9, 202, 647 14, 656, 548	\$6,701,650 1,188,789 1,892,428 3,620,433	Paper and wood pulp, 1909 Individual Firm Corporation	178 21 16 141	12,073 273 280 11,520	\$48, 859, 610 957, 261 975, 251 46, 927, 098	\$17,092,327 371,027 370,378 16,344,022
Per cent of total Individual Firm Corporation	100.0 37.6 32.1 30.3	100. 0 19. 9 30. 4 49. 7	100. 0 13. 7 33. 3 53. 0	$100.0 \\ 17.7 \\ 28.2 \\ 54.0$	Per cent of total Individual Firm. Corporation	100.0 11.8 9.0 79.2	$ \begin{array}{r} 100.0\\2.3\\2.3\\95.4\\\end{array} $	100.0 2.0 2.0 96.0	100.0 2.2 2.2 95.6
Liquors, malt, 1909 Individual. Firm. Corporation	184 24 17 143	<b>8,731</b> 1,145 223 7,363	<b>\$77, 720, 045</b> 10, 989, 795 1, 286, 179 65, 444, 071	\$58, 837, 018 8, 069, 890 867, 985 49, 899, 143	Printing and publishing, 1990. Individual Firm. Corporation. Other.		63, 120 10, 736 6, 683 45, 044 657	\$216, 946, 482 34, 420, 640 18, 983, 100 161, 017, 212 2, 525, 530	<b>\$160, 452, 222</b> 25, 878, 131 13, 606, 595 119, 154, 268 1, 813, 228
Per cent of total Individual Firm. Corporation.	13.0	100. 0 13. 1 2. 6 84. 3	100.0 14.1 1.7 84.2	100.0 18.7 1.5 84.8	Per cent of total Individual. Firm. Corporation. Other.	. 52.2 14.6 30.3	$ \begin{array}{r} 100.0 \\ 17.0 \\ 10.6 \\ 71.4 \\ 1.0 \end{array} $	100.0 15.9 8.8 74.2 1.2	100.0 16.1 8.5 74.3 1.1
Lumber and timber prod- ucts, 1909 Individual Firm Corporation <sup>1</sup>	. 2,263	27,471 7,141 5,522 14,808	<b>\$72, 529, 813</b> 16, 730, 064 13, 731, 620 42, 068, 123	\$30, 824, 722 8, 258, 813 5, 952, 774 16, 613, 135	Slaughtering and meat packing, 1909. Individual. Firm Corporation.	238 146 50 42	6, 110 949 937 4, 224	\$127, 130, 051 17, 134, 093 25, 164, 429 84, 830, 929	\$16, 961, 817 2, 191, 463 2, 510, 493 12, 259, 861
Per cent of total Individual Firm. Corporation 1	. 63.9	20.1	100. 0 23. 1 18. 9 58. 0	100. 0 26. 8 19. 3 53. 9	Per cent of total Individual Firm Corporation	$\begin{array}{c c} 100.0\\ 61.3\\ 21.0\\ 17.6\end{array}$	100.0 15.5 15.3 69.1	100.0 13.5 19.8 66.7	100.0 12.9 14.8 72.3
Malt, 1909 Individual. Firm Corporation	. 32 . 12 . 3 . 17	9	\$11, 051, 078 1, 174, 874 159, 193 9, 717, 011	\$2, 178, 636 318, 155 31, 170 1, 829, 311	Soap, 1909 Individual Firm. Corporation	. 67 . 27 . 9 . 31	2, 976 423 310 2, 243	\$23, 582, 977 2, 932, 231 1, 942, 807 18, 707, 939	\$7, 970, 595 963, 718 711, 531 6, 205, 346
Per cent of total Individual. Firm. Corporation	. 37.5	20.2 1.7	100. 0 10. 6 1. 4 87. 9	100.0     14.6     1.4     84.0	Per cent of total Individual. Firm. Corporation	. 40.3	14,2	100.0 12.4 8.2 79.3	100,0 12,1 8,9 79,0
Matble and stone work, 1909 Individual Firm Corporation	. 655 . 375	1,968 1,461	\$17, 921, 285 4, 968, 149 3, 978, 056 8, 975, 080	\$10, 845, 761 3, 043, 484 2, 523, 665 5, 278, 612	Tobacco manufactures, 1969 Individual Firm Corporation	. 3,371 2,926 . 325	9,160	<b>\$76, 661, 552</b> 18, 038, 101 10, 464, 576 42, 158, 875	\$45, 320, 146 11, 024, 114 9, 562, 638 24, 733, 394
Per cent of total Individual Firm. Corporation	. 57.3	28.4 21.1	$100. 0 \\ 27. 7 \\ 22. 2 \\ 50. 1$	100.0 28.1 23.3 48.7	Per cent of total Individual. Firm Corporation	86.8	30.5 22.0	100.0 23.5 21.5 55.0	24.3 21,1
Millinery and lace goods, 1909 Individual Firm. Corporation	- 931	6,773 9,565	\$52, 106, 200 16, 495, 172 22, 996, 632 12, 614, 396	\$24,971,417 8,070,934 10,964,278 5,936,205	Woolen, worsted, and felt goods, and wool hats, 1909 Individual. Firm Corporation	. 64 . 14 . 17	96 1,433	\$23, 739, 421 200, 029 3, 773, 116 19, 766, 276	1,504,913 7,385,785
Por cent of total Individual. Firm Corporation	49.5	32.1 45.4	$ \begin{array}{c} 100.0\\ 31.7\\ 44.1\\ 24.2 \end{array} $	32.3	Per cent of total Individual. Firm. Corporation.	21.9	1,0 15.1		1.2

<sup>1</sup> Includes the group "Other," to avoid disclosure of individual operations.

Size of establishment.—The tendency for manufacturing to become concentrated in large establishments, or the reverse, is a matter of interest from the standpoint of industrial organization. In order to throw some light upon it the table on page 821 groups the establishments according to the value of their products. The table also shows the average size of establishments for all industries combined and for important industries separately as measured by number of wage earners, value of products, and value added by manufacture. The totals for all industries are shown in the table for the last two censuses, while for the industries separately the figures given are confined to the census of 1909.

INDUSTRY AND VALUE OF PRODUCTS.	Num- ber of estab- lish- ments.	A verage number of wage earners.	Value of products.	Value added by manu- facture.	INDUSTRY AND VALUE OF PRODUCTS.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture.
					Chemicals, 1909	74	5,746	\$35, 346, 072	\$15, 637, 518
ALL INDUSTRIES: 1909 1904	44, 935 37, 194	1, 003, 981 856, 947	\$3, 369, 490, 192 2, 488, 345, 579	\$1, 512, 585, 850 1, 139, 742, 293	Chemicals, 1909 Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$10,000 \$100,000 and less than \$1,000,000	6 10	17 33	18,028 126,950	\$15, 637, 518 1 4, 166 58, 531
Less than \$5,000: 1909 1904 \$5,000 and less than \$20,000: 1909	12, 274 10, 338	15,130 14,734	29, 649, 739 25, 515, 212	18,996,135 16,635,765	\$20,000 and less than \$1,000,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over	16 33 9	$204 \\ 1,601 \\ 3,891$	884,558 9,975,004 24,341,526	496, 400 4, 520, 730 10, 566, 023
1904. \$5,000 and less than \$20,000:	10, 335	14, 794 83, 503		93,919,002		-	100.0	100.0	100.0
1909 1904. \$20,000 and less than \$100,000: 1909	13, 352	80,845	165,058,226 138,932,903	79,360,544	Less than \$5,000 \$5,000 and less than \$20,000	8.1 13.5	0,3 0,6	0.1 0.4	<sup>(2)</sup> 0.4
\$20,000 and 1033 children 1909	11,614 9,111	211,736 188,008	515,939,471 405,213,693	266,722,940 217,005,036	Per cent of total Less than \$5,000 and less than \$20,000 and less than \$20,000 and less than \$100,000 and set than \$1,000,000 and set than \$1,000,	21.6	3.6 27.9	2.5 28.2 68.9	3.2 28.9 67.6
1909 1904 \$100,000 and less than \$1,000,000: 1909 1909 1904 1904	5,252 4,099	438, 229 393, 872	1,412,874,684 1,102,583,934	664,347,244 531,335,282	Average per establishment	12.2	67.7 78	\$477,650	\$211,318
1904 \$1,000,000 and over: 1909 1904	4,055	255, 383	1,245,968,072	468,600,529	Clothing, men's, including shirts, 1909. Less than \$5,000 \$5,000 and less than \$20,000. \$20,000 and less than \$1,000,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over.	2, 983	91, 363	\$266, 075, 427	\$130, 748, 784
1909	294	179,488	816,099,837	295, 405, 666	Less than \$5,000 \$5,000 and less than \$20,000	307 1,146	1,077 17,377 29,106	844, 529 13, 519, 432	744,970 11,987,085
Per cent of total: 1909 1904	100.0	100.0	100.0	100.0	\$20,000 and less than \$1,000,000 \$100,000 and less than \$1,000,000	1,013 475 42	29,100 28,609 15,194	42,774,000 133,760,202 75,177,264	11, 987, 085 28, 090, 785 57, 572, 978 32, 352, 966
1904 Less than \$5,000:	100.0 27.3	100.0 1.5	100.0	100.0			100.0	100.0	100.0 0.6
1909 1904	27.8	1.7	1.0	1.5	\$5,000 and less than \$20,000	$10.3 \\ 38.4 \\ 34.0$	1.2 19.0 31.9	0,3 5.1 16,1	9.2 21.5
1909	34.1 35.9	8.3 9,4	4.9 5.6	6.2 7.0	Less than \$5,000. \$5,000 and less than \$20,000. \$20,000 and less than \$10,000. \$100,000 and less than \$1,00,000. \$1,000,000 and over	15.9	31.3 16.6	50.3 28.3	$44.0 \\ 24.7$
1004 Less than \$5,000: 1009 \$5,000 and less than \$20,000: 1909 20,000 and less than \$100,000: 1904 \$20,000 and less than \$100,000: 1904	25.8 24.5	21.1 21.9	15.3 16.3	17.6 19.0	Average per establishment	<u></u>	31	\$89,197	\$43,831
20,000 1909 1909 1009 1009 1004 \$1,000,000 and less than \$1,000,000: 1004 \$1,000,000 and over: 1609 1904	11.7	43.7	41.9	43.9	Clothing, women's, 1909 Less than \$5,000	3, 083 232	98, 104 828	\$272, 517, 792 671, 083	\$124, 375, 317 497, 531
1909 1904 \$1 000 000 and over:	11.0	46.0	44.3	46.6	\$5,000 and less than \$20,000 \$20,000 and less than \$100,000	816 1,238 781	8,651 27,858 56,539	9,399,448 62,855,088 177,726,446	6,750,553 29,082,856
1909 1904	1.0	25.4 20.9	37.0 32.8	31.0 25.9	\$100,000 and less than \$1,000,000 \$1,000,000 and over	.) 16	4,228	21,865,727	77,997,679 10,046,698
Average per establishment: 1909		22 23	\$74,986 66,902	\$33,662 30,643	Per cent of total Less than \$5,000	100.0 7.5 26.5	100.0 0.S	100.0 0.2 3.4	100.0 0.4 5.4
a surfaultured implements	1		:		Per cent of total Less than \$5,000. \$5,000 and less than \$20,000. \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000	40.2	8.8 28.4 57.6	· 23.1 65.2	23.4 62.7
Agricultural implements, 1009	57	5,717 14	\$14,970,980 30,602	19.647	\$1,000,000 and over Average per establishment	0.5	4.3 32	8,0 \$88,839	8.1 \$40,342
\$5,000 and less than \$20,000 \$20,000 and less than \$100,000	12	47 432	109,650 911,827	$\begin{array}{r} 62,128\\560,949\\1,567,281\end{array}$	Confectionery 1909	249	8, 570	\$25, 540, 394	\$9, 896, 318
\$1,000,000 and over	- 0	967 4,257	3, 298, 526 10, 620, 375	6, 346, 325	Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000	56	1 76	\$20,040,384 172,931 877,328 3,185,189 15,472,987 5,831,959	94,401 425,772
Per cent of total Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000	. 100.0	100.0	100.0	0.2	\$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over	. 67 48	383 1,270 5,330 1,511	3,185,189 15,472,987	1,220,851 5,740,717 2,414,577
\$5,000 and less than \$20,000 \$20,000 and less than \$100,000	. 21.1 . 29.8	0.8	0.7	6.6	Per cent of total	100.0	100.0	100.0	100.0
\$100,000 and less than \$1,000,000. \$1,000,000 and over Average per establishment.	- 17.5 . 8.8	16.9 74.5	22.0 70.9 \$262,649	74.2	Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000	22.5 30.1 26.9	0.9 4.5 14.8	0.7 3.4 12.5	1.0 4.3 12.3
		10	-		\$100,000 and less than \$1,000,000 \$100,000 and less than \$1,000,000	19.3	62.2	60. 6 22. 8	58.0 24.4
Automobiles, including bodies and parts, 1909. Less than \$5,000	. 113	9,861 14	29,928	19,865	\$1,000,000 and over Average per establishment			\$102,572	\$39,744
booles and parts, 100. Less than \$5,000. \$5,000 and less than \$20,000 \$20,000 and less than \$1,000,000 \$100,000 and less than \$1,000,000. \$1,000,000 and over	. 21		2,167,178	1,303,796	Copper, tin, and sheet- iron products, 1909 Less than \$5,000 \$5,000 and less than \$20,000	. 686 . 154		\$38, 452, 127 417, 602	\$17, 417, 341 274, 952
\$1,000,000 and less than \$1,000,000 \$1,000,000 and over	. 30 . 7			4,931,341 9,664,564	1 320.000 and less man \$100,000	· 1 TOO	1,344 2,845	3,150,875	1,884,975 3,804,490
Per cent of total Less than \$5,000	-) 9.7	100.0	0.1	0.1	\$1,000,000 and less than \$1,000,000 \$1,000,000 and over	. 8	4,626	16, 159, 577 11, 757, 059	
\$5 000 and less than \$20 000	A 91	1.2	0.8	8.1	Per cent of total Less than \$5,000	. 100.0	1.3	100.0 1.1 8.2	100.0 1.6 10.8
\$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over Average per establishment	- 26.5 - 6.2	31.2 58.1 87	61.8	60.1	\$5,000 and less than \$20,000 \$20,000 and less than \$100,000	43.3 24.2 8.9	19.4	18.1 42.0	21.8 39.1
Boots and shoes, includ-			=		Less than \$5,000 \$5,000 and less than \$20,000 \$100,000 and less than \$100,000 \$1,000,000 and less than \$1,000,000. Average per establishment.	1.2	31.5	30.6 \$56,053	26.7 \$25,390
Boots and shoes, includ- ing out stock and find- ings, 1909. Less than \$5,000. \$5,000 and less than \$20,000. \$20,000 and less than \$100,000. \$100,000 and less than \$1,000,000. \$1,000,000 and over.	. 296		\$48, 185, 914	\$19,211.403	Flour-mill and gristmill products, 1909 Less than \$5,000 \$5,000 and less than \$20,000 \$100,000 and less than \$1,000,000 \$1,000,000 and less than \$1,000,000.	983	2, 990	\$69, 802, 278	\$9, 331, 977
\$5,000 and less than \$20,000	. 57 	. 579	919,022	\$19,211.403           93,540           2         456,673           3         1,661,113           9         8,955,348           4         8,044,723	Less than \$5,000 \$5,000 and less than \$20,000	- 68 476	25 440	227,145 5,850,180 14,293,096 16,051,511 32,780,346	35,402 971,996 2,205,430 1,808,660 4,310,489
\$100,000 and less than \$1,000,000 \$1,000,000 and less than \$1,000,000	. 74 . 71 . 13	9,858	21,019,139	8,955,348	\$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000.		660	14,293,090	1,808,660
				1 B	Per cent of total	100.0	100.0	100.0	100.0
Less than \$5,000. \$5,000 and less than \$20,000.	19.3	0.8	0.1	3 0.5 2.4	Per cent of total. Less than \$5,000. \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and over Average per establishment.	6.9 48.4 37.0	14.7	0.3 8.4 20.5	10.4
\$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000		8.9	7.43.	4 8.6 6 46.6	\$100,000 and less than \$1,000,000. \$1,000,000 and less than \$1,000,000.	6.6	22,1	23.9 47.0	19.4 46.2
Per cent of total Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and over \$1,000,000 and over Åverage per establishment	4.4	42.4	46.		PI CONTRACTOR OF		3	\$71,009	\$9,493
Carriages and wagons and materials, 1909	610	6,110	\$ \$13, 292, 53	1 \$7, 483, 813	Food preparations, 1909 Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$10,000 \$100,000 and less than \$1,000,000. \$1,000,000 and over	177	59	\$17, 324, 076 158, 022	83,396
Less than \$5,000. \$5,000 and less than \$20,000.	228	3 260	5 559,95	6 362,725 6 1,752,665	\$5,000 and less than \$20,000 \$20,000 and less than \$100,000	53 41	1 462	507,265 2,151,747 6,228,989 8,278,053	236, 269 806, 417 2, 317, 943
Carriages and wagons and materials, 1909 Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000.	90 25	1,830	) 3,565,18	6 [ 2,051,842 ]	\$1,000,000 and less than \$1,000,000. \$1,000,000 and over	20	1 011	8, 278, 053	4,219,798
Dow south a first of	1.	100.0		0 100.0	Per cent of total		100.0 2.0 4.9	0.9	1.1
Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 A verage per establishment.	37.4 43.8	4. 4. 8 3 23. 0	) 20.	0 23.4	\$1,000,000 and over Per cent of total. Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$10,000 \$100,000 and less than \$1,00,000. \$1,000,000 and over Average per establishment.		2 15.3 3 44.4	12.4 36.0	10.5 30.2
\$100,000 and less than \$1,000,000. Average per establishment	4.1	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	48.	9 44.3	\$1,000,000 and over Average per establishment.		3 33, 4 17	47.8	55.1
				,	· ·		nth of 1 pe	acont	

i Loss.

<sup>2</sup> Less than one-tenth of 1 per cent.

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INDUSTRY AND VALUE OF PRODUCTS.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture.	INDUSTRY AND VALUE OF PRODUCTS.	Num- ber of estab- lish- ments.	A verage number of wage earners.	Value of products.	Value added by manu- facture.
Foundry and machine- shop products, 1909 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over	1,872 358 621 567 305 21	64,066 464 3,385 11,828 33,110 15,279	\$154, 370, 346 932, 256 6, 701, 871 26, 043, 771 81, 694, 075 38, 998, 373	\$02, 749, 146 643, 314 4, 305, 393 15, 713, 541 46, 343, 320 25, 653, 578	Liquors, malt, 1909. Less than \$5,000. \$5,000 and less than \$20,000. \$20,000 and less than \$10,000. \$100,000 and less than \$1,000,000 \$1,000,000 and over.	$     \begin{array}{r}       6 \\       7 \\       34 \\       117 \\       20 \\     \end{array} $	8,731 11 24 347 5,029 3,320	\$77, 720, 045 17, 057 74, 721 2, 000, 060 41, 459, 150 34, 168, 457	\$58, 837, 018 10, 948 48, 499 1, 402, 301 31, 120, 908 26, 254, 302
Per cent of total Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$1000,000 and ver 1,000,000 and over Average per establishment	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$100.0 \\ 0.7 \\ 5.3 \\ 18.5 \\ 51.7 \\ 23.8 \\ 34$	$100.0 \\ 0.6 \\ 4.3 \\ 16.9 \\ 52.9 \\ 25.3 \\ \$82,463$	100.0 0.7 4.7 16.9 50.0 27.7 \$49,545	Per cent of total. Less than \$5,000 and less than \$20,000 \$20,000 and less than \$20,000 \$100,000 and less than \$1,000,000. \$1,000,000 and over. Average per establishment.	100.0 3.3 3.8 18.5 63.6 10.9	$100.0 \\ 0.1 \\ 0.3 \\ 4.0 \\ 57.6 \\ 38.0 \\ 47 \\ 47 \\ 100 \\ 47 \\ 100$	( <sup>1</sup> ) ( <sup>1</sup> ) 0.1 2.6 53.3 44.0 \$422,392	(1) 0.1 2.4 52.9 44.6 \$319,766
Furnishing goods, men's, 1009	375 47 113 124 87 4	<b>18, 186</b> 134 1, 020 1, 913 7, 623 7, 496	<b>\$42, 197, 117</b> 125, 773 1, 222, 298 5, 463, 434 23, 674, 657 11, 710, 955	\$20, 620, 777 91, 042 750, 712 2, 092, 590 10, 047, 966 7, 638, 467	Lumber and timber prod- nots, 1909. Less than \$5,000 \$20,000 and less than \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over	2,263 1,057 660 379 161 6	27, 471 1, 388 3, 921 7, 342 12, 740 2, 074	\$72, 529, 813 2, 198, 541 6, 785, 205 16, 863, 586 36, 806, 620 9, 875, 861	\$30, 824, 722 1, 358, 891 4, 005, 902 8, 324, 816 15, 061, 294 2, 073, 819
Per cant of total Less than \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over Åverage per establishment	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c}     " 100.0 \\             0.7 \\             5.6 \\             10.5 \\             41.9 \\             41.2 \\             48 \\             48         $	100.0 0.3 2.9 12.9 56.1 27.8 \$112,526	100.0 0.4 3.6 10.2 48.7 37.1 \$54,989	Per cent of total Less than \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over Average per establishment.	100.0 46.7 29.2 16.7 7.1 0.3	$\begin{array}{c} 100.\ 0\\ 5.\ 1\\ 14.\ 3\\ 26.\ 7\\ 46.\ 4\\ 7.\ 5\\ 12\end{array}$	$100. 0 \\ 3. 0 \\ 9. 4 \\ 23. 3 \\ 50. 7 \\ 13. 6 \\ \$32, 050$	100.0 4.4 13.0 27.0 48.9 6.7 \$13,621
Gas, illuminating and heating, 1909 Less than \$5,000 \$5,000 and less than \$20,000 \$100,000 and less than \$1,000,000 \$100,000 and less than \$1,000,000	. 141 47 . 34 . 32 . 20 . 8	6,422 22 127 453 1,495 4,325	$\begin{array}{r} \$42, 346, 726\\ 77, 208\\ 409, 437\\ 1, 606, 910\\ 6, 585, 366\\ 33, 667, 805 \end{array}$	$\begin{array}{r} \$27, 328, 320\\ 30, 001\\ 264, 510\\ 1, 080, 408\\ 4, 940, 402\\ 21, 012, 933 \end{array}$	Malt, 1909. \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over	- 3	<b>524</b> 7 74 263 180	\$11,051,078 43,076 675,160 5,174,154 5,158,688	\$2, 178, 636 13, 508 213, 483 1, 033, 521 918, 124
Per cont of total Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over Averago per establishment.	100.0 33.3 24.1 22.7 14.2	0, 3 2, 0 7, 1 23, 3	100.0 0.2 1.0 3.8 15.6 79.5 \$300,331	100.0 0.1 1.0 4.0 18.1 76.9 \$193,818	Por cent of total \$20,000 and less than \$20,000 \$100,000 and less than \$100,000 \$1,000,000 and over Average per establishment Marble and stone work,	9.4	50.2	100.0 0.4 6.1 40.8 46.7 \$345,346	100,0 0,6 9,8 47,4 42,1 \$68,082
Hats, fur-felt, 1909 Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000	. 44 . 5 . 11 . 13 . 12	5,013 5 60 232 1,535	\$10, 218, 660 14, 193 132, 650 745,079 3, 624, 073 5, 702, 656	\$4, 812, 395 8, 308 51, 576 313, 103 1, 675, 366 2, 764, 042	1909	. 655 - 192 - 264 - 156 - 43	2,686 2,679	\$17, 921, 285 513, 940 2, 605, 678 6, 669, 947 8, 041, 720 100, 0 2, 9	\$10, 845, 761 385, 049 1, 700, 880 4, 135, 771 4, 624, 061 100, 0 3, 6
Per cent of total 55,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$100,000 \$100,000 and over \$1,000,000 and over	. 100.0 11.4 25.0 29.5 27.3 - 6.8	$ \begin{array}{c c} 100.0 \\ 0.1 \\ 1.2 \\ 4.6 \\ 30.6 \end{array} $	$100.0 \\ 0.1 \\ 1.3 \\ 7.3 \\ 35.5 \\ 55.8 \\ \$232,242$	100.0 0.2 1.1 6.5 34.8 57.4 \$109,373	Per cent of total Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$1,000,000 Average per establishment Millinery and lace goods. 1909.			15.0 37.2 44.9 \$27,301 \$52,106,200	16, 7 38, 1 42, 6 \$16, 558 \$24, 971, 417
Hosiery and knit goods, 1909	- <b>360</b> - 22 - 56	<b>35, 950</b> 51 444 3,560 19, 955	\$67, 130, 296 63, 324 732, 389 6, 952, 288 38, 655, 565 20, 726, 730	\$28, 452, 925 31, 642 367, 719 2, 845, 925 15, 810, 221 15, 810, 221	Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 3 Per cent of total Less than \$5,000.	. 373	312 2,165 7,910 10,685 100.0	357,617 3,011,348 17,431,090 31,306,145 100.0 0.7	266,722 2,001,973 8,859,194 13,843,528 100.0 1.1
Per cent of total Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100.000 and less than \$1.000.000.	. 100.0 . 6.1 . 15.6 . 38.1	$ \begin{array}{c c} 100.0\\ 0.1\\ 1.2\\ 9.9\\ 55.5 \end{array} $	100.0 0.1 1.1 10,4	9,397,418 100.0 0.1 1.3 10.0 55.6 33.0	Per cent of total Less than \$5,000 \$5,000 and less than \$20,000 \$100,000 and less than \$100,000 \$100,000 and less than \$1,000,000 % Average per establishment Musical instruments planos and organs and	ί	$ \begin{array}{r} 10.3 \\ 37.6 \\ 50.7 \\ 23 \\ \hline \end{array} $	5.8 33.5 60.1 \$55,968	8.0 35.5 55.4 \$26,822
\$1,000,000 and over Average per establishment Leather goods, 1909 Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$20,000	483 . 113 . 169 . 150	7,586 7,586 175 727 2,696	\$186,473 \$20,996,602 324,474 1,611,050 7,349,056	\$9,364,501 203,509 741,180 3,397,981	materials, 1909 Less than \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000. \$1,000,000 and over	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23 81 1,505 8,125 2,204	\$33, 679, 953 49, 408 208, 506 3, 998, 103 21, 924, 333 7, 499, 603	\$16, 185, 206 36, 568 129, 444 2, 005, 905 10, 371, 782 3, 641, 507 100. 0
\$100,000 and less than \$1,000,000. Per cont of total Less than \$5,000 \$0,000 and less than \$20,000 \$100,000 and less than \$1,000,000. Avorage por establishment.		100.0 2.3 9.6 35.5 52.0	11,712,022 100.0 1.5 7.7	5,021,831 100.0 2.2 7.9 36.3 53.6 \$19,388	Per cent of total Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$1,000,000 \$100,000 and less than \$1,000,000. \$1,000,000 and over A verage per establishment	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} 100.0\\ 0.2\\ 0.7\\ 12.6\\ 68.1\\ 18.5\\ 65 \end{array} $	100.0 0,1 0.6 11.9 65.1 22.3 \$183,043	0.2 0.8 12.4 64.1
Leather, tanned, curried and finished, 1909 Eess than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$1,000,000 and less than \$1,000,000.		5,688 25 98 716 2,995 1 95	\$27, 642, 383 40, 429 128, 609 1, 510, 284 13, 937, 927	\$6, 701, 650 34, 053 79, 174 715, 609 3, 402, 662 2, 470, 152	Paint and varnish, 1909.           Less than \$5,000           \$5,000 and less than \$20,000           \$20,000 and less than \$100,000           \$100,000 and less than \$1,000,000.           \$1,000,000 and less than \$1,000,000.		3,047 11 83 311 1,570	\$28,559,474 24,945 440,518 2,203,840 14,202,147 11,628,024	179, 129 918, 911 5, 620, 038 3, 940, 083
Per cent of total. Less than \$5,000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	100.0 0.1 0.5 5.5 50.4 43.5	100.0 0.5 1.2 10.7 50.8 36.9	Per cent of total Less than \$5,000 \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000.000 and over	100.0 7.5 26.0 	$ \begin{array}{c cccc} 0.4 \\ 2.7 \\ 10.2 \\ 51.5 \\ \end{array} $	1.5 7.7 49.9 40.7	0,1 1.7 8.6 52.7 36.9
t Less t	han one-	tenth of 1 p			» * Includes the	group "	\$1,000,000 8	and over."	

INDUSTRY AND VALUE OF PRODUCTS.	Num- ber of estab- lish- monts.	Average number of wage earners.	Value of products.	Value added by manu- facture.	INDUSTRY AND VALUE OF PRODUCTS.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture.
Paper and wood pulp, 1909.           Less than \$5,000.           \$5,000 and less than \$20,000.           \$20,000 and less than \$100,000.           \$100,000 and less than \$1,000,000.           \$1,000,000 and less than \$1,000,000.	90	12,073 17 85 1,136 7,400 3,435	\$48, 859, 610 28, 036 134, 463 3, 255, 305 28, 781, 527 16, 660, 279	\$17,092,327 13,578 63,779 1,350,946 10,160,593 5,503,431	Soap, 1909. Less than \$5,000. \$5,000 and less than \$20,000. \$20,000 and less than \$100,000. \$100,000 and less than \$1,000,000. \$1,000,000 and over.	18 10 6	2,976 16 44 179 521 2,216	\$23, 582, 977 49, 280 174, 857 1, 064, 936 4, 303, 259 17, 990, 645	\$7, 970, 595 25, 763 78, 843 390, 679 1, 362, 516 6, 112, 794
Per cent of total	$     \begin{array}{r}       100.0 \\       5.1 \\       5.6 \\       32.6 \\       50.6 \\       6.2 \\     \end{array} $	$100.0 \\ 0.1 \\ 0.7 \\ 9.4 \\ 61.3 \\ 28.5 \\ 68$	$100.0 \\ 0.1 \\ 0.3 \\ 6.7 \\ 58.9 \\ 34.1 \\ \$274,492$	100.0 0.1 0.4 7.9 59.4 32.2 \$96,024	Per cent of total Less than \$5,000 \$5,000 and less than \$20,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over A verage per establishment	26.9 22.4 26.9 14.9	$ \begin{array}{r} 100.0 \\ 0.5 \\ 1.5 \\ 6.0 \\ 17.5 \\ 74.5 \\ 44 \\ \hline \end{array} $	100.0 0.2 0.7 4.5 118.2 76.3 \$351,985	100.0 0.3 1.0 4.9 17.1 76.7 \$118,964
Avoiage per           Printing and publishing, 1809	4,426 1,559 1,572 930 333	63, 120 1, 881 7, 063 14, 132 25, 931 14, 113	\$216, 946, 482 4, 074, 169 15, 845, 601 40, 601, 847 90, 743, 703 65, 681, 162	\$160, 452, 222 3, 176, 631 12, 497, 692 30, 284, 593 66, 924, 150 47, 569, 156	Tobacco manufactures, 1909. Less than \$5,000. \$5,000 and less than \$20,000 and less than \$100,000 \$100,000 and less than \$10,000,000 \$1,000,000 and over.	208 88 11	30,019 1,862 2,854 4,405 11,795 9,103	\$76, 661, 552 4, 723, 167 5, 408, 991 8, 392, 863 25, 424, 502 32, 712, 029	\$45,320,146 3,015,897 3,367,618 5,068,237 14,579,257 19,289,137
Per cent of total	$ \begin{array}{c} 100.0 \\ 35.2 \\ 35.5 \\ 21.0 \\ 7.5 \\ \end{array} $	$100.0 \\ 3.0 \\ 11.2 \\ 22.4 \\ 41.1 \\ 22.4 \\ 14 \\ 14$	100.0 1.9 7.3 18.7 41.8 30.3 \$49,016	100.0 2.0 7.8 18.9 41.7 29.6 $$36,252$	Per cent of total. Less than \$5,000. \$5,000 and less than \$20,000. \$20,000 and less than \$100,000. \$100,000 and less than \$1,000,000 \$1,000,000 and over. A verage per establishment	73.2 17.7 6.2 2.6	100. 0 6. 2 9. 5 14. 7 39. 3 30. 3 89	100. 0 6. 2 7. 1 10. 9 33. 2 42. 7 \$22, 741	100.0 6.7 7.4 11.2 32.2 42.6 \$13,444
Average for total           Slaughtering, and meat           packing, 1909	238 20 53 67 74	6,110 12 86 295 1,259 4,458	\$127, 130, 051 43, 402 626, 413 3, 086, 392 25, 250, 030 98, 123, 754	\$16, 961, 817 17,070 161, 251 651, 420 3, 143, 123 12, 988, 953	Woolen, worsted, and felt goods, and wool hats, 1909           Less than \$5,000           \$5,000 and less than \$20,000           \$20,000 and less than \$100,000           \$100,000 and less than \$1,000,000           \$1,000,000 and over	10 3 16 30	$\begin{array}{c}11\\38\\415\end{array}$	\$23, 739, 421 19, 664 35, 739 732, 866 12, 654, 411 10, 296, 741	<b>\$8,995,393</b> 10,061 18,058 327,360 4,768,879 3,871,035
Per cent of total Less than \$5,000 and less than \$20,000 and less than \$20,000 and less than \$100,000 \$100,000 and less than \$100,000 \$1,000,000 and over Average per establishment	8.4 22.3 28.2 81.1 10.1	20.6 73.0	100.0 ( <sup>1</sup> ) 0.5 2.4 19.9 77.2 \$534,160	100. 0 0. 1 1. 0 3. 8 18. 5 76. 6 \$71, 268	Per cent of total Less than \$5,000 and less than \$20,000 \$20,000 and less than \$100,000 \$100,000 and less than \$1,000,000 \$1,000,000 and over A verage per establishment	15.6 4.7 25.0 46.9 .7.8	0.1 0.4 4.4 49.3 45.8	100.0 0.1 0.2 3.1 53.3 43.4 \$370,928	100. 0 0. 1 0. 2 3. 6 53. 0 43. 0 \$140, 553

<sup>1</sup> Less than one-tenth of 1 per cent.

This table shows that in 1909 of the 44,935 establishments only 470, or 1 per cent, had a value of products exceeding \$1,000,000. These establishments, however, employed an average of 255,383 wage earners, or 25.4 per cent of the total number in all establishments, and reported 37 per cent of the total value of products and 31 per cent of the total value added by manufacture.

On the other hand, the very small establishments that is, those having a value of products of less than \$5,000—constituted a considerable proportion (27.3 per cent) of the total number of establishments, but the value of their products amounted to only ninetenths of 1 per cent of the total. The great bulk of the manufacturing was done in establishments having products valued at \$100,000 or over.

It will be seen from the above table that during the five years from 1904 to 1909 there was a considerable increase in the relative importance, as measured by value of products, of the largest establishments those reporting products valued at \$1,000,000 or over—and a slight decrease in that of all other classes.

The fact that the average value of products per establishment increased from \$66,902 to \$74,986, and the average value added by manufacture from \$30,-643 to \$33,662, can not be taken as in itself indicating a tendency toward concentration. These increased values may be, and probably are, due in part to the increase that has taken place in the prices of commodities. The average number of wage earners per establishment decreased from 23 to 22.

This table shows further that when the size of the establishments is measured by the average value of products per establishment, the chemical, brewery, and slaughtering and meat-packing industries were conducted in comparatively large establishments, while the carriage and wagon, marble and stone work, tobacco manufactures, and lumber industries were conducted in rather small establishments.

Of the industries shown separately, slaughtering and meat packing had the largest establishments, with an average value of products amounting to \$534,160, and the carriage and wagon industry the smallest, with products valued on the average at \$21,791 per establishment.

In some respects, and especially from the standpoint of conditions under which persons engaged in manufactures work, the best classification of establishments to bring out the feature of size is a classification according to the number of wage earners employed. The table on the following page shows, for 1909, such a classification for all industries combined and for 58 important industries individually, and gives not only the number of establishments in each group, but also the average number of wage earners employed.

				ES	FABLISHM	ENTS EMP	LOYING-			_
INDUSTRY.	Total.	No wage earners.	1 to 5 wage earners.	6 to 20 wage earners.	21 to 50 wage earners.	51 to 100 wage earners.	101 to 250 wage earners.	251 to 500 wage earners.	501 to 1,000 wage earners.	Over 1,000 wage
		<u>.</u>		N	UMBER OI	F ESTABLI	SHMENTS.		carnets.	earners,
All industries	44, 935	4, 667	20, 799	10, 524	5,057	2, 050	1, 253	384	143	
Agricultural implements. Artificial flowers and feathers and plumes. Automobiles, including bodies and parts. Boots and shoes, including cut stock and findings. Boxes, fancy and paper.	$57 \\ 310 \\ 113 \\ 290 \\ 315$	2 7 2 10 1	22 72 27 94 42	$9 \\ 115 \\ 29 \\ 72 \\ 115$	13 87 · 24 39 94	4 23 13 29 39	1 14 10 30 22	$2 \\ 1 \\ 3 \\ 11 \\ 1$	3 3 2 10	58 1 
Brass and bronze products Bread and other bakery products Butter, cheese, and condensed milk Canning and preserving Carpets and rugs, other than rag.	$247 \\ 3,978 \\ 1,552 \\ 790 \\ 16$	12 291 234 9	110 2,991 1,249 579	$77 \\ 595 \\ 42 \\ 129 \\ 4$	20 59 21 47 1	$12 \\ 26 \\ 5 \\ 17 \\ 4$	$11 \\ 10 \\ 1 \\ 8 \\ 1$	4 5 2	1 1 1	1
Carriages and wagons and materials. Cars and general shop construction and repairs by steam-tailroad com- panics.	610 69 74	55	349 3 22	154 12 17	26 10 15	18 13 8	7 11 8	2 1 8 2	 11	3 1
Chemicals Clothing, men's, including shirts Clothing, women's		93 44	640 494	1,140 1,145	755 895	$\begin{array}{c} 216\\324\end{array}$	92 154	33 25	12 2	2
Coffee and spice, roasting and grinding. Confectionery. Copper, tin, and sheet-iron products. Cordage and twine and jute and linen goods Cotton goods, including cotton small wares.			36 103 364 3 2	35 61 189 9	7 37 55 2 8	1 16 29 1 8	2 17 15 5 9	4 8 2 5	1 2 3 1 2	 1 2 3
Electrical machinery, apparatus, and supplies Flour-mill and gristmill products. Food preparations. Foundry and machine-shop products. Fur goods.	217 983 177 1,872 803	4 156 16 81 53	86 762 105 701 428	64 47 31 549 292	28 13 9 268 72	16 3 8 138 13	15 1 7 88 5	1 1 32	1 1 11	2
Furnishing goods, men's Furniture and refrigerators. Gas and electric fixtures and lamps and reflectors Gas, Illuminating and heating. Gloves and mittens, leather		19 14 3 27 17	125 237 64 -56 78	125 194 52 27 69	55 120 35 12 23	21 70 13 5 23	19 31 14 8 11	$\begin{bmatrix} 6\\10\\2\\4\\4\\4 \end{bmatrix}$	4	1
Hats, fur-felt. Hoslery and knit goods Iron and steel, blast furnaces. Iron and steel, steel works and rolling mills Jewelry.	44 360 9 25 479	4 7 53	$\begin{array}{c} 13\\ 44\\ \\ \\ 228\\ \end{array}$	8 107 1 137	9 57 3 45	4 44 8 4 12	68 2 4 2	4 21 3 6 2	1 9 1 2	
Leather goods. Leather, tanned, curried, and finished. Liquors, malt. Lumber and timber products. Malt.	$\substack{ \begin{array}{c} 483 \\ 109 \\ 184 \\ 2,263 \\ 32 \end{array} }$	20 4 2 105	219 21 15 1,361 10	144 23 47 506 16	70 28 67 177 2	21 18 35 68 4	7 12 15 37	2 3 3 7		· · · · · · · · · · · · · · · · · · ·
Marble and stone work. Millinery and lace goods. Musical instruments, planos and organs and materials. Oil, linsed. Paint and varnish.	655 931 184 6 147	37 30 1 2	382 244 32 78	145 364 51 1 31	69 197 40 1 19	10 65 27 2 9	6 29 23 1 8	2 7 1	3	
Paper and wood pulp. Paper goods, not elsewhere specified . Patent medicines and compounds and druggists' preparations. Photographic apparatus and materials. Printing and publishing.	$178 \\ 107 \\ 743 \\ 42 \\ 4,426$	3 156 2 1,261	11 36 423 16 1,771	44 32 109 10 885	52 14 37 8 280	38 , 9 13 3 111	24 9 5 2 72	8 4 	1	   
Shipbuilding, including boat building. Silk and silk goods, including throwsters. Slaughtering and meat packing. Soap. Tobacco manufactures.	238 67 3,371	37 3 15 8 1,096	121 19 129 28 1,794	61 38 49 15 294	17 37 25 7 95	$     \begin{array}{c}       13 \\       32 \\       9 \\       1 \\       36     \end{array} $	2 28 5 5 33	2 11 4 2 13	1 2 2 6	i
Typewriters and supplies. Wire Woolen, worsted, and felt goods, and wool hats All other industries.	43 7 64 8,011	1 5 025	18 1 7 3,932	12 1 9 1,985	4 11 830	2 1 9 325	2 2 12 211	1 1 7 68	1. 3	·····i
$ \frac{1}{2} \left[ \frac{1}{2} $			A,	VERAGE N	UMBER C	F WAGE	EARNERS			
All industries		<b></b>	48, 402	121, 330	162, 696	145, 116	189, 485	132, 046	98, 443	
Agricultural implements. Artificial flowers and feathers and plumes. Automobiles, including bodies and parts. Boots and shoes, including cut stock and findings. Boxes, fancy and paper.	9,861 21,627 11,538		53 218 75 260 136	125 1,390 380 865 1,460	485 2,829 773 1,313 2,909	$\begin{array}{c} 321\\ 1,698\\ 934\\ 2,194\\ 2,692\end{array}$	$150 \\ 2,027 \\ 1,672 \\ 4,890 \\ 3,230$	688 331 984 3,790 313	2, 130 1, 520 7, 156 738	3, 523 1, 159
Brass and bronze products Bread and other bakery products Butter, cheese, and condensed milk Caming and preserving Carpets and rugs, other than rag.	6,651 21,357 2,866 7,075 11,898			910 5,285 402 1,368 46	582 1,818 673 1,580 47	789 1,876 321 1,306 324	$1,691 \\ 1,539 \\ 104 \\ 1,183 \\ 225$	1,301 1,541 	984 	1,629
Carriages and wagons and materials Cars and general shop construction and repairs by steam-railroad com- panies	6,116		913	1,612	819	1,288 985	1,116	368 3,007	8,21	
Chemicals. Clothing, men's, including shirts. Clothing, women's.	5 746		12 74 1,733 1,589	$ \begin{array}{r} 170\\222\\14,679\\14,707\end{array} $	400 546 24,132 28,779	985 537 14,880 22,099	1,490 13,822	3,007 690 11,624 7,688	8,40	1,473 2,086

				E	STABLISH	MENTS EM	PLOYING-	-				
INDUSTRY.	Total.	No wage earners.	1 to 5 wage earners,	6 to 20 wage earners.	21 to 50 wage earners.	51 to 100 wage carners.	101 to 250 wage earners.	251 to 500 wage earners.	501 to 1,000 wage earners.	Over 1,000 wage earners.		
Coffee and spice, roasting and grinding. Confectionery Copper, in, and sheet-iron products. Cordage and twine and jute and linen goods. Cottan goods, including cotton small wares.	1, 519 8, 570 14, 689 5, 952 10, 663		76 236 940 6 7	386 722 1,976  109	$179 \\ 1,225 \\ 1,718 \\ 66 \\ 269$	55 1,107 2,018 80 621	316 2,691 2,212 744 1,232	1,446 2,494 840 1,695	507 1,143 1,910 827 1,135	1,421 3,389 5,595		
Electrical machinery, apparatus, and supplies. Flour-mill and gristmill products. Food preparations. Foundry and machine-shop products. Fur gods.	18,972 2,990 3,023 64,066 8,244	· · · · · · · · · · · · · · · · · · ·	224 1,255 228 1,875 1,291	677 448 340 6,278 3,004	848 399 293 8,756 2,250	$1,147 \\ 190 \\ 064 \\ 9,699 \\ 805$	2, 327 194 1, 149 13, 187 894	457 349 10,988	638 504 7,973	12, 654 5, 310		
Furnishing goods, men's. Furniture and refrigerators. Gas and electric fixtures and lamps and reflectors. Gas, illuminating and heating. Gloves and mittens, leather.	18, 186 20, 281 6, 017 6, 422 6, 287	· · · · · · · · · · · · · · · · · · ·	$345 \\ 651 \\ 176 \\ 150 \\ 208$	1,452 2,264 639 285 841	1,845 3,930 1,118 383 726	1,550 4,990 934 313 1,656	2,767 4,700 2,496 1,145 1,486	1,370	2,663	5, 560 2, 779		
Hats, fur-felt. Hosiery and knit goods. Iron and steel, blast furnaces. Iron and steel, steel works and rolling mills. Jewelry.	5,013 35,950 2,298 10,091 5,379	· · · · · · · · · · · · · · · · · · ·	37 133 	$109 \\ 1,409 \\ 12 \\ 1,536 \\ 100 \\ 1$	257 1,912 118 1,503	279 3,298 281 291 839	10,326 348 588 299	$1,521 \\ 8,167 \\ 1,149 \\ 2,219 \\ 631$	527 6,451 520 1,573	2, 283 4, 254 5, 285		
Leather goods. Leather, tanned, curried, and finished. Liquots, malt. Lumber and timber products. Malt.		· · · · · · · · · · · · · · · · · · ·	529 51 47 2,696 37	1,718 306 620 5,613 203	2, 191 810 2, 341 5, 583 47	1,520 1,338 2,452 4,813 237	1,027 1,953 2,165 5,330	601 1,230 1,106 2,062				
Marble and stone work. Millinery and lace goods. Musical instruments, planos and organs and materials. Ofl, lineed. Paint and varnish.		· · · · · · · · · · · · · · · · · · ·	931 780 71 195	1,631 4,373 655 7 319	2,261 6,379 1,343 35 625	1,148 4,612 1,981 146 649	968 4,209 3,655 103 1,259	725 2,363 275				
Paper and wood pulp. Paper goods, not elsewhere specified. Patent medicines and compounds and druggists' preparations. Photographic apparatus and materials. Printing and publishing.	03,120		28 116 862 47 4,638	587 401 1,238 130 9,574	1,709 445 1,172 276 9,231	2,808 608 909 223 8,089	3,884 1,344 547 228 10,884	2,556 1,389  8,543	501  7,250	3,184 4,911		
Shipbuilding, including boat building Silk and silk goods, including throwsters Slaughtering and meat packing. Soap. Tobacco manufactures.	5,644 12,903 6,110 2,976 30,019		264 61 310 70 3,236	724 482 548 156 3,021	600 1,190 770 192 2,894	934 2,255 607 69 2,554	348 4,170 808 777 4,984	5843,7031,3616104,133	548 1,042 1,706 4,077	1,642 1,102 5,120		
Typewriters and supplies Wire Woolen, worsted, and felt goods, and wool hats All other industries	4, 538 1, 439 9, 460 169, 534		64 1 21 9,419	$ \begin{array}{r} 155\\18\\116\\22,627\end{array} $	123 344 20,595	154 60 711 23,172	272 387 2,067 32,027	323 409 2,290 23,559	512 564 2,260 18,317	2,935 1,651 13,818		
		<b>د</b>	ER CENT	OF AVER	AGE NUM	BER OF V	VAGE EAR	NERS.		· .		
All industries. Agricultural implements	100.0 100.0		4.8	12.1 2.2	16.2 8.5	14.5 5.6	18.9 2.6	13.2 12.0	9.8 37.3	10.6 30.9		
Artificial flowers and feathers and plumes. Automobiles, including bodies and parts. Boots and shoes, including cut stock and findings. Boxes, fancy and paper.	100.0 100.0 100.0	· · · · · · · · · · · · · · · · · · ·	2.6 0.8 1.2 1.2	16.4 3.9 4.0 12.7	33.3 7.8 6.1 25.7	20.0 9.5 10.1 23.3	23.9 17.0 22.6 28.0	3.9 10.0 17.5 2.7	15.4 33.1 6.4	35.7 5.4		
Brass and bronze products. Bread and other bakery products. Butter, cheese, and condonsed milk. Canning and preserving. Carpets and rugs, other than rag.	100.0 100.0 100.0		4.6 35.9 47.7 15.7	13.7 24.7 14.0 19.3 0.4	8.8 8.5 23.5 22.3 0.4	11.9 8.8 11.2 18.5 2.7	25.4 7.2 3.6 16.7 1.9	20.9 7.2 6.0	14.8 7.4 4.7	7, 6 83, 9		
Carriages and wagons and materials. Cars and general shop construction and repairs by steam-railroad com- panies. Chemicals. Clothing, men's, including shirts. Clothing, women's.	100.0		14.9 0.1 - 1.3 1.9 1.0	26.4 1.0 3.9 16.1 15.0	13.4 2.4 9.5 26.4 29.3	21.1 6.0 9.3 16.3 22.5	18. 2 10. 4 25. 9 15. 1 22. 6	6.0 18.3 12.0 12.7 7.8	49.9 12.4 9.2 1.1	2.3		
Coffee and spice, roasting and grinding. Confectionery. Copper, tin, and sheet-iron products. Cordage and twine and jute and linen goods Cotton goods, including cotton small wares.	100.0 100.0 100.0 100.0		5.0 2.8 6.4 0.1	25.4 8.4 13.5	11.8 14.3 11.7 1.1 2.5	3.6 12.9 13.7 1.3 5.8	20, 8	16.9 17.0 14.1 15.9	33.4 13.3 13.0 13.9 10.6	9.7 56.9		
Electrical machinery, apparatus, and supplies. Flour-mill and gristmill products Food preparations. Foundry und machine-shop products. Fur goods.				15.0 11.2 9.8	13.7	$\begin{array}{c} 6.0\\ 6.4\\ 22.0\\ 15.1\\ 9.8 \end{array}$	38.0 20.6	17.2	3.4 16.9 12.4	66.7 8.3		
Furnishing goods, men's Furniture and refrigerators Gas and electric fixtures and lamps and reflectors Gns, illuminating and heating Gloves and mittens, leather				11.2 10.6	19.4 18.6 6.0	24.6 15.5 4.9	23.2 41.5 17.8	18.5 10.9 21.3	14.6	43.3		

				E	STABLISH	MENTS EL	<b>APLOYING</b>			
INDUSTRY.	Total,	No wage earners.	1 to 5 wage earners.	6 to 20 wage earners.	21 to 50 wage earners.	wage	101 to 250 wage earners.	251 to 500 wage earners.	501 to 1,000 wage earners.	Over 1,000 wage carners.
		PER (	CENT OF	VERAGE	NUMBER	OF WAGE	E EARNER	scontin	ued.	<u> </u>
Hats, fur-felt Hosiery and knit goods. Iron and steel, blast furnaces. Iron and steel, steel works and rolling mills. Jewelry.	100, 0 100, 0 100, 0 100, 0		0.7 0.4 ( <sup>1</sup> ) 10.6	2, 2 3, 9 0, 1 28, 6	5.1 5.3 1.2 27.9	5.6 9.2 12.2 2.9 15.6	$28.7 \\ 15.1 \\ 5.8 \\ 5.6$	30. 3 22. 7 50. 0 22. 0 11. 7	10.5 17.9 22.6 15.6	45.5 11.8 52.4
Leather goods. Leather, tanned, curried, and finished. Liquors, malt. Lumber and timber products. Malt.	100. 0 100. 0 100. 0 100. 0 100. 0		7.0 0.9 0.5 9.8 7.1	$\begin{array}{c c} 22.6\\ 5.4\\ 7.1\\ 20.4\\ 38.7 \end{array}$	$\begin{array}{c} 28.9 \\ 14.2 \\ 26.8 \\ 20.3 \\ 9.0 \end{array}$	$\begin{array}{c} 20.0\\ 23.5\\ 28.1\\ 17.5\\ 45.2\end{array}$	13.5 34.3 24.8 19.4	7.9 21.6 12.7 7.5		
Marble and stone work. Millinery and lace goods. Musical instruments, pianos and organs and materials. Oil, linseed. Paint and varnish.	100.0			23.520.75.51.210.5	$\begin{array}{c} 32.6\\ 30.3\\ 11.2\\ 6.2\\ 20.5 \end{array}$	$ \begin{array}{c c} 16.5 \\ 21.9 \\ 16.6 \\ 25.8 \\ 21.3 \\ \end{array} $	$ \begin{array}{c c} 14.0\\ 20.0\\ 30.6\\ 18.2\\ 41.3 \end{array} $	8.4 19.8 48.6	15.7	· · · · · · · · · · · · · · · · · · ·
Paper and wood pulp. Paper goods, not elsewhere specified. Patent medicines and compounds and druggists' preparations. Photographic apparatus and materials. Printing and publishing.	100.0		2.7 18.2 1.1	$\begin{array}{r} 4.9\\ 9.3\\ 26.2\\ 3.2\\ 15.2\end{array}$	$\begin{array}{c c} 14.2 \\ 10.3 \\ 24.8 \\ 6.8 \\ 14.6 \end{array}$	$23.3 \\ 14.1 \\ 19.2 \\ 5.5 \\ 12.8$	$\begin{array}{c} 32.2\\ 31.2\\ 11.6\\ 5.6\\ 17.2\end{array}$	21. 2 32. 3  13. 5	4.1	77.9
Shipbuilding, including boat building . Silk and silk goods, including throwsters. Slaughtering and meat packing. Soap. Tobacco manufactures.	100.0 100.0 100.0 100.0		0.5 5.1 2.4	12.8 3.7 9.0 5.2 10.1	$ \begin{array}{c} 10.6\\ 9.2\\ 12.6\\ 6.5\\ 9.6 \end{array} $	$ \begin{array}{c} 16.5 \\ 17.5 \\ 9.9 \\ 2.3 \\ 8.5 \\ \end{array} $	$\begin{array}{c} 6.2\\ 32.3\\ 13.2\\ 26.1\\ 16.6\end{array}$	10.3 28.7 22.3 20.5 13.8	9.7 8.1 27.9 13.6	37.0
Typewriters and supplies. Wire. Woolen, worsted, and felt goods, and wool hats All other industries.	100.0 100.0 100.0 100.0		0.1	3.4 1.2 1.2 13.3	2.7 3.6 15.7	3.4 4.2 7.5 13.7	6.0 26.9 21.8 18.9	7.128.424.213.9	11.3 39.2 23.9 10.8	17.5

<sup>1</sup> Less than one-tenth of 1 per cent.

Of the 44,935 establishments reported for all industries, 10.4 per cent employed no wage earners; 46.2 per cent, from 1 to 5; 23.4 per cent, 6 to 20; and 11.3 per cent, 21 to 50. The most numerous single group consists of the 20,799 establishments employing from 1 to 5 wage earners, and the next of the 10,524 establishments employing from 6 to 20 wage earners. There were 585 establishments that employed over 250 wage earners; 58 of these employed over 1,000, of which 4 each were engaged in the foundry and machine-shop and printing and publishing industries, and tobacco manufactures, and 3 each in the automobile, carpet and rug, cotton-goods, hosiery and knit-goods, and steel works and rolling-mill industries.

Of the total number of wage earners, 33.6 per cent were in establishments employing over 250 wage earners. The single group having the largest number of wage earners was the group comprising the establishments employing from 101 to 250. This group employed 189,485 wage earners, or 18.9 per cent of the total number. In 21 of the 58 industries listed separately in the table, establishments employing more than 250 wage earners reported more than one-half of the total number employed in each industry. In 11 of these industries, establishments employing over 500 wage earners reported more than one-half of the total number, while in 7, establishments employing over 1,000 wage earners reported more than one-half of the total. The highest proportion (83.9 per cent)

of wage earners employed by establishments reporting an average of more than 1,000 was in the manufacture of carpets and rugs.

**Expenses.**—As stated in the Introduction, the census does not purport to furnish figures that can be used for determining the cost of manufacture and profits. Facts of interest can, however, be brought out concerning the relative importance of the different classes of expense which make up the total. The first table on the following page shows, in percentages, for 1909, the distribution of expenses among the classes indicated, for all industries combined and for certain important industries separately. The figures on which the percentages are based appear in Table II, page 878.

This table shows that, for all industries combined, 62.2 per cent of the total expenses were incurred for materials, 24.9 per cent for services—that is, salaries and wages—and 12.9 per cent for other purposes. As would be expected, these proportions vary greatly in the different industries. The largest proportions shown for the various classes of expenses in the industries presented separately are as follows: For salaries, 17.7 per cent, in printing and publishing; for wages, 45.1 per cent, in the steam-railroad repair shops; for materials, 92.6 per cent, in the flour mills and gristmills; and for miscellaneous expenses (which in this case include internal-revenue taxes), 50.4 per cent, in the breweries.

	PER CI		TOTAL E	XPENSES		PER CE	NT OF T REPO	OTAL EX RTED.	PENSES
INDUSTRY.	Sala- ries.	Wages.	Ma- terials.	Miscel- laneous ex- penses,	INDUSTRY.	Sala- ries,	Wages.	Ma- terials,	Miscel- laneous ex- penses.
All industries. Aricultural implements. Artificial flowers and feathers and plumes. Automobiles, including bodies and parts. Boots and shoes, including cut stock and findings. Boots and shoes, including cut stock and findings. Borses and bronze products. Bread and other bakery products. Butter, cheese, and condensed milk. Carniages and rugs, other than rag. Carpies and rugs, other than rag. Carpies and wagons and materials. Cars and general shop construction and repairs by steam-railroad companies. Clothing, men's, including shirts. Clothing, women's. Clothing, women's. Clothing, women's. Clothing at the sheet-iron products. Cordage and twine and jute and linen goods. Cording cods, including cotton small wares. Electrical mechaney. apparatus, and supplies. Flour-mill and gristnill products. Foundry and machine-shop products. Furnishing goods, men's. Furnishing good	8.569032263427 5.5634224 5.54803223 5.54803223 5.54803223 5.54800 8.5000 8.50000 8.5000 8.5000 8.50000 8.50000 8.50000 8.50000 8.50000 8.50000 8.50000 8.50000000000	$\begin{array}{c} \textbf{18.7}\\ \textbf{26.7}\\ \textbf{19.0}\\ \textbf{23.8}\\ \textbf{33.99}\\ \textbf{18.4}\\ \textbf{4.11}\\ \textbf{15.1}\\ \textbf{15.1}\\ \textbf{15.1}\\ \textbf{27.1}\\ \textbf{22.9}\\ \textbf{45.1}\\ \textbf{122.3}\\ \textbf{22.7}\\ \textbf{4.8}\\ \textbf{32.4}\\ 32$	$\begin{array}{c} \textbf{62. 2} \\ \textbf{52. 3} \\ \textbf{67. 4} \\ \textbf{54. 5} \\ \textbf{48. 6} \\ \textbf{36. 8} \\ \textbf{91. 9} \\ \textbf{99. 9} \\ \textbf{69. 0} \\ \textbf{61. 4} \\ \textbf{51. 1} \\ \textbf{46. 4} \\ \textbf{71. 7} \\ \textbf{56. 3} \\ \textbf{56. 6} \\ \textbf{69. 9} \\ \textbf{66. 3} \\ \textbf{62. 6} \\ \textbf{62. 6} \\ \textbf{63. 6} \\ \textbf{169. 1} \\ \textbf{51. 0} \\ \textbf{45. 4} \\ \textbf{62. 4} \\ 6$	$\begin{array}{c} 12.9\\ 12.8\\ 8.0\\ 14.0\\ 6.7\\ 10.2\\ 8.6\\ 2.8\\ 10.5\\ 8.3\\ 9.5\\ 2.8\\ 10.1\\ 19.3\\ 8.9\\ 10.4\\ 19.6\\ 12.3\\ 8.9\\ 11.5\\ 10.1\\ 19.6\\ 12.6\\ 10.5\\ 14.1\\ 19.6\\ 10.5\\ 14.1\\ 12.0\\ 0.7\\ 10.$	Hats, fur-felt. Hosiery and knit goods. Iron and steel, blast furnaces. Iron and steel, steel works and rolling mills Jewelry. Leather goods. Leather, tanned, curried, and finished. Liquors, mait. Limber and timber products. Marble and stone work. Millinery and lace goods. Musical instruments, planos and organs and ma- terials. Oil, linseed. Paint and varnish. Paper and vood pulp. Paper and vood pulp. Paper and vood pulp. Paper and vood pulp. Paper goods, not elsewhere specified. Printing and publishing. Photographic apparatus and materials. Printing and publishing. Sill& and silk goods, including throwsters Slaughtering and meat packing. Soap. Tobacco manufactures. Typewriters and supplies. Wire. Woolen, worsted, and felt goods, and wool hats. All other industries.	3.47707627032152 7.6770832152 6.342152 6.342152 1.10076334 10076334 10076334 117.5634 1.133	$\begin{array}{c} 28.3\\ 24.8\\ 24.8\\ 18.2\\ 22.2\\ 22.2\\ 11.3\\ 11.6\\ 23.2\\ 4.0\\ 36.6\\ 21.6\\ 25.4\\ 15.9\\ 7.7\\ 22.3\\ 15.4\\ 15.9\\ 7.7\\ 22.3\\ 15.4\\ 15.9\\ 7.7\\ 22.3\\ 18.2\\ 23.1\\ 15.4\\ 15.2\\ 15.$	$\begin{array}{c} 56.2\\ 04.7\\ 88.0\\ 74.7\\ 88.0\\ 81.1\\ 30.0\\ 04.1\\ 38.3\\ 45.9\\ 00.8\\ 57.2\\ 90.0\\ 99.0\\ 99.0\\ 99.7\\ 2.6\\ 61.3\\ 43.8\\ 43.8\\ 43.8\\ 43.8\\ 58.0\\ 04.5\\ 91.1\\ 77.5\\ 83.9\\ 90.0\\ 69.0\\ $	$\begin{array}{c} 11.4\\ 7.0\\ 2.9\\ 3.3\\ 9.8\\ 4.9\\ 50.4\\ 8.3\\ 5.5\\ 10.9\\ 10.4\\ 11.3\\ 4.3\\ 13.1\\ 34.2\\ 22.2\\ 22.2\\ 21.5\\ 3.9\\ 12.7\\ 3.9\\ 11.3\\ 22.7\\ 22.5\\ 22.2\\ 25.6\\ 7.8\\ 9.7\\ 9.7\\ \end{array}$

Engines and power.—The following table shows, for all industries combined, the number of engines or other motors, according to their character, employed ingenerating power (including electric motors operated by purchased current), and their total horsepower at the censuses of 1909, 1904, and 1899. It also shows separately in the lower part of the table the number and horsepower of electric motors, including those operated by current generated in the manufacturing establishments.

POWER.	NUMBE	E OF ENGIN MOTORS.	NES OR	I		PER CENT DISTRIBUTION OF HORSEFOWLR.			
	1909	1904	1899 1	1909	1904	1899 <sup>1</sup>	1909	1904	1899
Primary power, total	. 67, 137	19,032	19, 699	1, 997, 662	1, 516, 592	1, 099, 931	100.0	100.0	100.0
Owned	21,239	19,032	19,699	1,579,977	.1, 345, 697	1,017,392	79.1	88.7	92.5
Steam Gas. Water wheels Water motors. Other	12,538 4,656 3,789 250	12,215 2,928 3,629 260	13,346 1,944 4,409 ( <sup>2</sup> )	$1,080,877 \\99,899 \\394,221 \\1,397 \\3,583$	850, 497 44, 288 445, 197 937 4, 778	659,702 16,221 335,411 ( <sup>2</sup> ) 6,058	54.1 5.0 19.7 0.1 0.2	56.1 2.9 29.4 0.1 0.3	60.0 1.5 30.5 ( <sup>3</sup> ) 0.6
Rented	45,898	(2)	(2)	417,685	170, 895	82, 539	20.9	· 11.3	7.5
Electric Other	45,898	(2)	(2)	389,945 27,740	95,284 75,611	47, 768 34, 771	19.5 1.4	6.3 5.0	4.3 3.2
Electric motors	66,979	8,422	2,323	689,976	222,111	77,598	100.0	100.0	100,0
Run by current generated by establishment Run by rented power	21,081 45,898	8,422 ( <sup>3</sup> )	2, 323 (²)	300,031 389,945	126,827 95,284	29,830 47,768	43.5 56.5	57, 1 42, 9	38.4 61.6

<sup>1</sup> Includes the neighborhood industries and hand trades, omitted in 1904 and 1909.

<sup>2</sup> Not reported.

This table indicates that the total primary power increased 481,070 horsepower, or 31.7 per cent, from 1904 to 1909, and 416,661 horsepower, or 37.9 per cent, from 1899 to 1904. The greater part of the increase for the more recent period was in steam and rented electric power. In 1909, as in 1904 and 1899, steam power formed the major part of the primary power, but notwithstanding an increase of 421,175 horsepower during the decade the proportion which such power formed of the total primary power decreased from 60 per cent in 1899 to 56.1 per cent in 1904 and 54.1 per cent in 1909. The more general use of gas engines in recent years is shown by the fact that 4,656 such engines, with an indicated capacity of 99,899 horsepower, were reported in 1909, as against 2,928 engines, with 44,288 horsepower, in 1904 and 1,944 engines, with 16,221 horsepower, in 1899. The figures also show that the practice of renting electric power is increasing rapidly, the horsepower having increased from 95,284 in 1904 to 389,955 in 1909, and 19.5 per cent of the total primary power having been of this character in 1909, as compared with 6.3 per cent in 1904 and 4.3 per cent in 1899. This condition was due in great measure to the utilization of the electrical energy developed at Niagara Falls, by the establishments located within the considerable area for which this current is made available by transmission.

The use of electric motors for the purpose of applying the power generated within the establishments is shown also to be rapidly becoming more common, the horsepower of such motors having increased from 29,830 in 1899 to 126,827 in 1904 and 300,031 in 1909.

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

The following table shows the quantity of each kind of fuel used in 1909 for all industries combined and for certain selected industries:

INDUSTRY.	Anthracite coal (tons).	Bituminous coal (tons).	Coke (tons).	Wood (cords),	Oil, including gasoline (barrels),	Gas (1,000 feet).
All industries	4, 021, 671	7, 687, 039	2, 644, 148	306, 593	3, 995, 260	5, 129, 045
Agricultural implements. Artificial flowers and feathers and plumes. Automobiles, including bodies and parts Boots and shoes, including cut stock and findings. Boxes, fanoy and paper		58,963 33 33,557 13,103 5,188	10, 745 98 5, 207	1, 595 11 2 52 39	43, 191 4, 590 135 162	27,910 12,841 70,739 23,062 80,327
Brass and bronze products Bread and other bakery products Butter, cheese, and condensed milk. Camping and preserving. Carpets and rugs, other than rag.	$\begin{array}{c} 24,198\\151,844\\23,216\\26,979\\8,409\end{array}$	$\begin{array}{r} 34,580\\ 10,378\\ 09,204\\ 34,934\\ 100,693\end{array}$	6,307 30,983 59 727	1,063 11,281 33,808 693 1	13,915 194 1,236 2,134 16	34, 196 298, 584 13, 266 21, 383 145
Carriages and wagens and materials . Cars and general shop construction and repairs by steam-railroad companies. Chemicals. Clothing, men's, including shirts. Clothing, women's.	5,705 89,602 366,505 29,108 14,120	$\begin{array}{r} 28,110 \\ 183,584 \\ 105,056 \\ 6,546 \\ 1,886 \end{array}$	301 170 3,514 799 3	1,123 120 54 383 28	2,087 25,222 6,872 350 407	22,511 1,610 229,978 380,352 271,092
Coffee and spice, reasting and grinding Confectionery Copper, tin, and sheet-iron products Cordage and twine and jute and linen goods Cotton goods, including cotton small wares	32, 307 40, 063 21, 497 20, 748 39, 624	7,401 9,728 40,518 32,532 85,025	1 1,199 3,345	19 228 13	3 40 57,256 43	13,968 30,684 78,198 377 3,953
Electrical machinery, apparatus, and supplies Flour-mill and gristmill products Food preparations. Foundry and machine-shop products Fur goods	44,898 7,515 13,600 137,241 1,607	$139,883 \\93,485 \\25,130 \\252,022 \\952$	5,303 60 152 168,607 13	36 1,370 9,731 8	84,605 7,372 106 39,487 4	80,966 630,395 29,951 224,142 10,753
Furnishing goods, men's. Furniture and refrigerators. Gas and electric fixtures and lamps and reflectors. Gas, illuminsting and heating. Gloves and mittens, leather.	$\begin{array}{r}9,118\\22,462\\6,942\\485,900\\1,382\end{array}$	6,064 73,829 4,782 832,970 3,474	5,300 864 119,602	2,895 17 120 127	1,794 233 302 3,430,773 112	27,095- 31,404 26,106 8,983
Hats, fur-felt. Hoslery and knit goods. Iron and steel, blast furnaces. Iron and steel, steel works and rolling mills. Jewelry.		7,790 139,576 74,586 769,404 250	205 2, 155, 893 32, 678 31	9 15 946 6,015 1	220 71,464 6	5,525 18,373 831,417 26,308
Leather goods Leather, tanned, curried, and finished Liquors, mat. Lumber and timber products. Malt.	2,442 25,327 227,666 26,829 35,676	3,201 78,802 220,195 82,258 12,931	1 30 614 1,526 176	39 59 35 5,551	2,391 248 92 2,998 1	22,486 19,430 73,001 41,268 2,861
Marble and stone work Millinery and lace goods. Musical instruments, planos and organs and materials. Oil, linseed Paint and varnish.	24,461 4,562 23,062 4,000 37,408	$20,511 \\ 340 \\ 26,120 \\ 20,684 \\ 23,408$	788 13 1,338 4,518	89 6 83 48 11	1, 192 4 19 331	25,895 49,098 4,673 8,634
Paper and wood pulp Paper goods, not elsewhere specified Patent medicines and compounds and druggists' preparations Photographic apparatus and materials. Printing and publishing.	173,387 21,534 20,072 2,268 75,871	872,378 2,508 5,266 39,212 20,814	40 797 244	2,775 1 106 629	176 65 18 1 1,840	5,576 16,825 7,382 235,216
Shipbuilding, including boat building. Silk and silk goods, including throwsters. Slaughtering and meat packing. Scap. Tobacco manufactures.	$\begin{array}{c} 6,247\\ 16,140\\ 71,124\\ 22,441\\ 11,818\end{array}$	30,881 20,357 83,556 83,609 2,754	100 3,601 152 80 31	272 6 1,328 24 136	1,626 114 566 	36,591
Typewriters and supplies Wire Woolen, worsted, and felt goods, and wool hats All other industries	6,091 18,356 30,972 1,410,108	10.066	575 7,059 70,283	2 50 153 223,936	2,880 4,891 18 231,403	

NOTE.-In addition, there were 7,165 tons of other varieties of fuel reported.

### SUPPLEMENTARY DATA REGARDING IMPORTANT INDUSTRIES.

### (With statistics for laundries and custom sawmills and gristmills.)

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantity and cost of materials and the quantity and value of products and other information for securing which no provision is made on the general schedule. Certain data of this character for 28 important industries in New York are here presented.

Printing and publishing .--- Though the printing and publishing industry in New York as a whole shows considerable growth during the last five years when measured by the financial statistics, the growth in the newspaper and periodical branch has been slight, neither the number of publications nor the aggregate circulation showing any considerable increase.

The following table shows the number of the different classes of newspapers and periodicals published in the state in 1909, 1904, and 1899, together with the aggregate circulation per issue for each class:

PERIOD OF ISSUE.		IMBER BLICATIO		AGGREGATE	CIRCULATION	PER ISSUE.
PERIOD OF RECEI	1909	1904	1899	1909	1904	1899
Total Daily Sunday Semiweekly and tri-	1,953 231 48	1,933 217 44	1, 526 207 49	43, 953, 617 5, 253, 521 2, 957, 727	42, 640, 395 4, 573, 640 3, 061, 565	30, 216, 095 3, 896, 967 ( <sup>1</sup> )
Weekly Weekly Monthly Quarterly All other classes	56 975 521 54 68	63 981 521 53 54	60 872 272 35 31	$\begin{array}{r} 250,403\\ 6,756,243\\ 25,635,615\\ 2,437,289\\ 662,819\end{array}$	362,797 5,330,435 28,217,126 909,317 179,515	607,042 6,997,099 15,277,062 2,126,625 1,311,300

1 Included in circulation of dailies.

New York ranks first among the states in the number of newspapers and periodicals published as well as in the circulation of such publications. The number of publications increased 20, or 1 per cent, from 1904 to 1909, and, 407, or 26.7 per cent, from 1899 to 1904, while the aggregate circulation increased 1,313,222, or 3.1 per cent, during the more recent period, and 12,424,300, or 41.1 per cent, during the earlier period. From 1904 to 1909 the number of each class of publications increased, with the exception of the semiweeklies and triweeklies, and the weeklies, which decreased, and of the monthlies, the number of which was the same in both years. There was a decrease of 112,394 in the circulation of the semiweeklies and triweeklies and of 2,581,511 in that of the monthlies, while the circulation of the weeklies shows an increase. The Sunday publications show a decrease of 103,838 in circulation, although there was an increase of 4 in the number of such publications. The largest increase in number shown for any class of publications is that of 14 for the dailies, while the largest increase in circulation, 1,527,972, was in that of the quarterly publications. Of the 231 dailies, in 1909, 84, with an aggregate circulation of 2,168,690, were morning papers.

The following table shows the number and circulation of the different classes of publications in English and in foreign languages, respectively, for 1909 and 1904:

			IOTAL.	IN	ENGLISH.	IN FOREIGN LANGUAGES.		
PERIOD OF ISSUE.	Cen- sus.	Num- ber.	Aggregate circulation per issue.	Num- ber.	Aggregate circulation per issue.	Num- ber.	Aggregate circula- tion per issue.	
Total	1909	1, 953	43, 953, 617	1, 753	41, 656, 507	200	2, 297, 110	
	1904	1, 933	42, 640, 395	1, 764	40, 520, 198	169	2, 120, 197	
Daily and Sunday .	1909	279	8, 211, 248	228	6, 858, 818	51	1, 352, 430	
	1904	261	7, 635, 205	221	6, 737, 085	40	898, 120	
Semiweekly and triweekly.	1909	56	250, 403	45	206, 203	11	44, 200	
	1904	03	362, 797	48	326, 412	15	36, 385	
Weekly	1909	975	6, 756, 243	881	6, 338, 749	94	417, 494	
	1904	98 <b>1</b>	5, 336, 435	910	4, 955, 985	71	380, 450	
Monthly	1909	52 <b>1</b>	25, 635, 615	486	25, 251, 499	35	384, 116	
	1904	52 <b>1</b>	28, 217, 126	492	27, 984, 084	29	233, 042	
Quarterly	1909	54	2, 437, 289	52	2, 424, 789	2	12, 500	
	1904	53	909, 317	48	365, 817	5	543, 500	
All other	1909 1904	68 54	662, 819 179, 515	61 45	576, 449 150, 815	7 9	86, 370 28, 700	

In 1909 as well as in 1904 the largest class of publications in foreign languages consisted of the weeklies, but the daily and Sunday papers had the largest circulation during both years. With the exception of quarterlies, each class of the publications in foreign languages increased in circulation from 1904 to 1909.

The following tabular statement distributes the publications in foreign languages in 1909 according to the language in which printed:

		NUMI	SER OF P	UBLICAT	ions.	
LANGUAGE.	All classes.	Daily and Sun- day publi- cations.	Semi- week- lies and tri- week- lies.	Week- lics.	Month- lies.	All other classes.
Total. German. Italian. Yiddish. German and English. Polish. Spanish. Swedish. Bohemian. Croatian. French. Hungarian. Russian. Rubtenian. Spanish and English. Syriau. Danish. All other	6 4 4 4 3 3 3 3	51 21 7 7 3 4 2 2 2 2 5 3	11 3 1 2 1 1 1 1 	94 23 199 9 2 5 5 	35 10 1 2 6  8 1  1  8 1  1 2  8 1  8 1  8 1  8 1  10 	S 12 2] 3] 

<sup>1</sup> Two semimonthlies and 1 published every two weeks.
<sup>2</sup> Published every two weeks.
<sup>4</sup> Semimonthly.
<sup>6</sup> Includes 1 each in Arabic, Greek, and Slovenic.
<sup>6</sup> Includes 1 each in Arabic, Greek, and Slovenic.
<sup>6</sup> Includes 1 each in Arabic, Greek, and Slovenic.
<sup>6</sup> Includes 1 each in Arabic, Greek, and Slovenic.
<sup>7</sup> Includes 1 each in Arabic, Greek, and Slovenic.
<sup>8</sup> Includes 1 each in Arabic, Greek, and Slovenic.
<sup>8</sup> Includes 1 each in Arabic, Greek, and Slovenic.
<sup>8</sup> Includes 1 each in Arabic, Greek, and Slovenic, Slovak, and Welsh.
<sup>8</sup> Includes 1 in German, French, and English; 1 in German, French, Spanish, and English; and 1 in Spanish and Portuguese.
<sup>9</sup> Includes 1 published every two weeks in Russian and English, and 1 semi-annual in German, French, Spanish, and English.

In 1909 a total of 1,080 publications, with an aggregate circulation of 10,116,760 copies per issue, were devoted to politics and family news; 135, with a circulation of 4,037,905, were religious in character; and 112, with a circulation of 12,664,213, were devoted to general literature. The circulation for 1909 of the first class increased 56.8 per cent and that of the last class shows but a slight increase over that reported for 1904, while the circulation of the second class in 1909 was more than two and one-half times that reported for 1904.

Textiles.—The relative importance of the principal textile industries of New York, as measured by value of products, is shown in the following table, which presents the total value of products reported for each industry at the last three censuses:

	VAL	JE OF PRODUCI	'S.
INDUSTRY,	1909	1904	1899
Total. Hosiery and knit goods. Silk and silk goods, including throw- sters. Carpets and rugs, other than rag. Woolen, worsted, and felt goods, and wool hats. Cotton goods, including cotton small wares. Cordage and twine and jute and linen goods. Hats, fur-felt.	\$185,780,000 67,130,000 25,600,000 23,739,000 20,352,000 12,215,000 10,219,000	\$142,422,000 46,320,000 20,181,000 19,404,000 19,477,000 13,434,000 15,866,000 7,740,000	\$107,612,000 36,028,000 12,706,000 15,029,000 15,784,000 10,788,000 11,675,000 5,602,000

The progress of the textile industries is shown by the increase in the number of spindles, looms, knitting machines, and other equipment. The following table shows the number of the principal machines used in four important textile industries combined and in each of those industries separately in 1909, 1904, and 1899:

MACHINE.	Cen- sus.	Total.	Cotton goods, including cotton small wares.	Woolen, worsted, and felt goods, and wool hats.	Hosiery and knit goods.	Silk and silk goods, including throw- sters.
Producing spindles	1909 1904 1899	1,395,482 1,228,699 1,127,149	778,036 704,634 720,268	154,359 177,487 152,369	303,528 225,237 191,026	$159,559 \\ 121,341 \\ 63,486$
Looms	1909 1904 1899	24,698 23,246 23,038	14,088 13,358 14,737	3,035 2,899 3,033		7,575 6,989 5,268
Knitting machines	1909 1904 1899	15,047 12,668 11,666			15,047 12,666 11,666	
Woolen cards (sets)	1909 1904 1899	821 959 1,147		364 452 473	457 507 674	
Wool-combing ma- chines.	1909 1904 1899	89 62 66		89 62 66	   	

The total number of producing spindles reported for the four industries covered by the table shows an increase from 1904 to 1909 of 166,783, or 13.6 per cent; that of looms, an increase of 1,452, or 6.2 per cent; that of knitting machines, an increase of 2,381, or 18.8 per cent; and that of wool-combing machines, an increase of 27, or 43.5 per cent. The number of sets of woolen cards decreased 138, or 14.4 per cent. The relative

increases in the number of spindles, looms, and knitting machines were much greater than the gains shown for the previous five-year period, 1899-1904, which were 9 per cent, nine-tenths of 1 per cent, and 8.6 per cent, respectively. During the period from 1904 to 1909 the number of spindles used in the cotton mills increased 73,402, or 10.4 per cent, the number in the hosiery and knitting mills, 78,291, or 34.8 per cent, and the number in the silk mills, 38,218, or 31.5 per cent, while the number used in the woolen and worsted mills decreased 23,128, or 13 per cent. During the preceding five-year period, 1899-1904, the number in the cotton mills decreased, while the number in each of the other three classes of mills increased. Each of the three industries in the table for which looms are reported shows a larger number for 1909 than for 1904. the greatest relative increase being 8.4 per cent in the silk mills.

Hosiery and knit goods.—The manufacture of hosiery and knit goods as a factory industry in New York had its beginning in Cohoes in 1832, with the founding of a factory in which power was for the first time successfully used in the making of knit goods. (See History of Cohoes, by Masten, pp. 61, 62, and 77.) In 1849 there were only 3 knitting mills in the state, the value of their products amounting to only \$37,000, but in 1859 there were 22 mills in operation and the total production was valued at \$1,944,000. The industry has continued this rapid development, the value of products in 1909 being more than thirty-four times the value reported in 1859.

The following table shows the quantity and cost of the different materials used in 1909, 1904, and 1899:

MATERIAL.	1909	1904	1899
Total cost	\$38,677,371	\$28, 210, 100	\$20, 265, 98
lotton:			
Domestic— Pounds	33,041,491	23,841,021	1. S. 1. S.
Pounds	\$3,779,496	\$2,747,412	
Cost	φο, 110, 100	<i>w</i> , 131, 114	24,337,3
Foreign-	1,623,562	629,569	\$1,668,0
Pounds	\$234,871	\$109,954	
	\$203,011	<b>Q</b> 100,001	· .
Nool:			1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
Foreign (in condition purchased)-	164,014	439,929	710,8
Pounds	\$109,190	\$239,281	\$396,2
Cost Domestic (in condition purchased)—	\$109,100	0,000,001	
Domestic (in condition purchased)-	1,803,323	4,537,860	4.817.
Pounds	\$846,659	\$1,969,081	\$1,663,
Cost Wool waste and noils:	\$840,009	ar, 000, 001	· · · · · · · · · · · · · · · · · · ·
Wool waste and noils:	1 200 270	2,735,224	2,923,
Pounds	4,398,579	\$947,962	\$817,
Cost	\$1, 429, 402	4941,002	
Shoddy:	F 410 20F	4, 444, 951	2,105,
Pounds	5,410,605	\$444,165	\$199,
Cost	\$551,877	\$444,100	
Yarns, not made in mill:		Į	l
Cotton	00 0M0 000	56, 512, 123	59, 112,
Pounds	86,676,623	\$11,788,385	\$8, 517,
Cost	\$13,824,123	911,100,000	
Woolen-	0 100 000	1,742,576	902,
Pounds	3,186,332	\$1,080,369	\$423
Cost	\$2,077,718	51,000,000	
Worsted-		2, 340, 773	1,585
Pounds	3,232,368	2, 590, 171	\$1,221
Cost	\$3,078,048	\$1,799,171	01,222
Merino-		1,022,189	562
Pounds	925,440	1,022,109	
Cost	\$693,856	\$425,956	0.00
Silk and spun-silk- Pounds		137, 369	142
Pounds	423,230		
Cost	\$1,644,056	\$615, 511	
All other verns-		01 101	105
Pollinds	11,296	35,124	
Cost.	\$9,266	\$30,843	\$102
			\$211
Chemicals and dyestuffs	\$363,607	\$284,958	1 2000
Fuel and rent of power	\$648,588	\$465,438 \$5,201,614	1 40 000
		\$5, 201, 614	

At each of the three censuses raw cotton and cotton yarn were by far the most important materials reported, both as respects quantity and as respects cost, with the exception that in 1899 the cost of the wool consumed was somewhat greater than that of the raw cotton. There was an increase of 10,194,463 pounds, or 41.7 per cent, in the quantity of raw cotton consumed and of \$1,157,001, or 40.5 per cent, in its cost, from 1904 to 1909, as compared with increases of 133,285 pounds, or one-half of 1 per cent, in quantity and \$1,189,352, or 71.3 per cent, in cost from 1899 to 1904. The very great increase in cost shown in 1904 as compared with 1899 was due chiefly to the higher prices of cotton prevailing in 1904. Cotton yarns show an increase of 30,164,500 pounds, or 53.4 per cent, in quantity and \$2,035,738, or 17.3 per cent, in cost for the period 1904-1909, while for the period 1899-1904 a decrease of 2,600,467 pounds, or 4.4 per cent, in quantity and an increase of \$3,270,734, or 38.4 per cent, in cost were reported. All other materials for which figures as to both quantity and cost are given show increases in both respects from 1904 to 1909, with the exception of foreign and domestic wool. and the yarns included under the head of "All other yarns," which decreased in both respects, and of merino yarn, which shows a decrease in quantity only. The gains in the quantity and cost of silk and spun-silk varns are particularly noteworthy, as the quantity more than trebled and the cost very nearly trebled during the five years.

The quantity and value of the various products reported at the last three censuses were as follows:

DODD

1000

1004

1000

From 1904 to 1909 there was a general increase in the quantity and the value of all products, with the exception of the shirts and drawers included under the head of "All other," and of hoods, scarfs, and nubias, which decreased in both respects, and of merino shirts and drawers, which decreased in quantity only. The output and the value of merino and "All other" shirts and drawers and of merino combination suits were less in 1904 than in 1899, and the output of "All other" combination suits also shows a decrease for that period. The most important products were cotton shirts and drawers, the value of which formed 44.1 per cent of the total value of products for the industry in 1909, 52.3 per cent in 1904, and 47.2 per cent in 1899. The largest increase in output from 1904 to 1909 was that of 2,264,343 dozens, or 25.2 per cent, in the quantity of cotton shirts and drawers, and the largest increase in value that of \$9,134,293, or 191.1 per cent, in the value of cardigan jackets,

sweaters, fancy jackets, etc. Silk and silk goods, including throwsters.—This industry had its beginning in the state in 1830, when the manufacture of dress trimmings was commenced in New York City. At the census of 1869, 14 establishments were reported, which employed 739 wage earners and manufactured products valued at \$1,826,000. In 1909 the manufacture of silk goods, with a value of products amounting to \$26,519,000, was second in importance among the textile industries in the state. The development during the decade 1899–1909 was remarkable, the value of products more than doubling.

The statement following shows the quantity and
cost of the chief materials used in the industry, as re-
ported for 1909, 1904, and 1899:

PRODUCT.	1909	1904	1899
Total value	\$67, 130, 296	\$46,320,311	\$36, 028, 114
Dozen pairs	251,269 \$493,041	167,965 \$286,712	103,300 \$234,652
Half hose: Dozen pairs Value. Shirts and drawers:	104,418 \$146,144	65,732 \$113,950	50,972 \$93,547
Merino Dozeng. Value. Cotton	1,162,148 \$7,718,492	1,171,123 \$6,737,966	1,779,339 \$8,394,455
Dozens. Value. All other—	11,238,711 \$29,577,805	8,974,368 \$24,212,845	6,636,642 \$17,006,721
Dozens , Value. Combination suits:		204,993 \$1,535,884	804,538 \$2,880,118
Merino— Dozens. Value. Cotton—	52,254 \$500,830	27,297 \$313,853	54,153 \$378,258
Dozens Value. All other—	938,554 \$4,238,442	655,324 \$2,030,831	288,079 \$904,154
Dozens. Value. Gloves and mittens:	$\begin{pmatrix} 1\\ 1 \end{pmatrix}$	9,934 \$101,427	13,315 \$82,110
Dozen pairs Value. Hoods, scarfs, nubias, etc.:	1,195,140 \$4,270,020	750,662 \$2,067,185	567, 72) \$1, 570, 406
Dozens, Value, Cardigan jackets, sweaters, fancy jackets, etc.;	\$440.411	255,857 \$920,071	171,060 \$533,527
Dozens. Value Cotton yarn:		540, 236 \$4, 780, 750	451,262 \$2,564,713
Pounds Value	\$519,454	902,834 \$154,842	211,000 \$33,200
All other products	\$4,396,403	\$3,063,995	\$1,352,253

<sup>1</sup>Included with "All other products," to avoid disclosure of individual operations.

MATERIAL.	1909	1904	1899
Totalcost	\$13,948,589	\$10,490,474	\$6,570,037
Silk:			
Raw-			
Pounds.	1,817,329 \$7,092,171	. 1,006,793 \$3,934,433	914,265 \$3,814,768
Snun-			
Pounds	315,622	249,896	. 263,200
Cost	\$759,710	\$734,099	\$562,322
Artificial			
Pounds	616, 439	289,282	5,350
Cost	\$1,309,400	\$1,039,783	\$6,790
Organzine and tram-	007 000	000 000	107 801
Pounds	335,003	603,623	197,781
Cost. Fringe and floss, including waste,	\$1,471,824	\$2,919,456	\$839,657
Fringe and floss, including waste,			
noils, etc.—		17,080	20,606
Pounds	515,545		\$88, 813
Cost.	\$326,691	\$28,475	\$00,010
Yarns, other than silk:	1		
Cotton— Pounds	2,018,612	1, 197, 943	1,556,545
	\$757,470	\$401,841	\$359,716
Cost.	\$101,410	\$101, OT1	4000,110
Mercerized cotton— Pounds	483,627	101,943	51,560
	\$359,315	\$74,770	\$42,432
Cost.	6009 <sup>1</sup> 010	\$12,110	QTD, 10D
Woolen and worsted Pounds	94,622	184,340	45,527
Cost.	\$114,829	\$191,816	\$36,640
Mohair-	0114,020	4101,010	
Pounds.	52, 521	14,511	29,697
Cost.	\$47,408	\$15,264	\$28,776
All other—	¢1()100	+10,-01	1
Pounds	113,855	71,486	24, 167
Cost.	\$170,491	\$30,959	\$14,364
	4-101 10-		
Chemicals and dyestuffs	\$78,107	\$52,066	(2)
Fuel and rent of power	\$249,977	\$167,911	\$96,286
All other materials	\$1,211,196	\$899,601	\$679,473

<sup>1</sup> Does not include waste, noils, etc.

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

The cost of the materials used in the silk industry slightly more than doubled during the decade 1899-1909, that of silk in its various forms representing about four-fifths of the total at each census. Raw silk, which is by far the most important single item, as measured by cost, increased 810,536 pounds, or 80.5 per cent, in quantity, and \$3,157,738, or 80.3 per cent, in cost, from 1904 to 1909. The consumption of artificial silk, of which only a small amount was reported in 1899, more than doubled between 1904 and 1909, though the increase in cost was only 25.9 per cent. Organzine and tram purchased, on the other hand, show a marked falling off for the same period, the quantity and cost reported for 1909 being only a little more than half as great as for 1904. Among the materials other than silk, cotton yarns, especially mercerized varns, show a very rapid increase for the period 1904-1909, while woolen and worsted yarns show a decided loss, amounting to 48.7 per cent in quantity and 40.1 per cent in cost.

The next table shows the quantity and value of the different products reported for 1909, 1904, and 1899:

PRODUCT,	1909	1904	1899
Total value	\$26,518,821	\$20,181,212	\$12,706,246
Broad silks (all silk and silk mixed): Yards. Value.	15, 217, 298	10, 896, 809	7,545,565
Plain and fancy— Yards	\$9, 042, 488 7, 898, 355	\$6,382,758 5,354,460	\$4,333,114
Value Jacquard Yards	\$5, 554, 462 434, 690	\$3, 620, 021 1, 266, 680	\$3,074,800 169,836
Value Piece-dyed—	\$394, 466	\$\$42,948	\$134, 258
Yards Value	6,884,253 \$3,093,560	4, 275, 669 \$1, 910, 789	2,469,570 \$1,124,050
Ribbons Laces, nets, veils, vellings, etc Embroideries	\$6,261,289 \$794,640 \$272,746	\$4,983,712 \$291,400 \$105,500	\$4,883,011 \$377,047 \$23,092
Fringes and gimps Braids and bindings	\$560,027 \$2,566,881	\$544,544 \$2,042,365	\$195,528 \$388,391
Ladies' dress trimmings Millinery trimmings Organzine and tram for sale:	\$946, 293 \$749, 785	\$967,143 \$703,742	\$389,510 \$231,000
Pounds	330,026 \$1,354,540	99,866 \$420,718	48,263 \$207,500
All other products Amount received for contract work	\$3,364,122 \$808,010	3,471,078 208,252	\$1,439,835 \$238,218
	,	,	

With the exception of Jacquard broad silks, ladies' dress trimmings, and the products included under the head of "All other products," the value of each class of products shown in the table increased from 1904 to 1909. The most pronounced decrease was in Jacquard silks, amounting to \$448,482, or 53.2 per cent, owing to the removal from the state of two establishments in which such fabrics were manufactured extensively in 1904. Ribbons, although the leading class of products next to broad silks in 1904 and 1909, have represented a smaller proportion of the total value of products at each succeeding census since 1899. The proportions which the value of broad silks, the class of products first in importance in 1909 and 1904, formed of the total for all products were 34.1 per cent in 1899, 31.6 per cent in 1904, and 34.1 per cent in 1909. Striking gains occurred during the decade in the production of organzine and tram for sale, both the quantity and the value of this class of products more than doubling

from 1899 to 1904, and both more than trebling from 1904 to 1909. The amount reported as received for contract work was but little more in 1904 than in 1899, but during the next five years it more than doubled. This item represents mainly the receipts for commission throwing.

In 1909 a total of 936,754 pounds of silk were thrown for other establishments under contract, of which 495,053 pounds were thrown into organzine and 441,701 pounds into tram. The corresponding figures for 1904 were 359,248 pounds and 345,830 pounds, respectively, representing a total of 705,078 pounds of silk thrown under contract in that year.

Carpets and rugs, other than rag.—The quantity and cost of the different materials and the quantity and value of the chief products reported for this industry in 1909, 1904, and 1899 are given in the following table:

MATERIAL OR PRODUCT.	1909	1904	1899
Materials used, total cost Wool, in condition purchased:	\$13,315,172	\$11, 133, 063	\$7,681,097
Pounds. Cost. Animal hair:	36, 177, 487 \$6, 250, 326	23, 552, 683 \$4, 707, 215	23, 297, 198 \$3, 875, 638
Pounds Cost	3,105,707 \$277,281		1,825,814 \$99,978
Yarns, purchased: Pounds. Cost.	41, 498, 384 \$4, 806, 400	37,147,701 \$4,813,950	27,287,378 \$2,501,095
Woolen Pounds Cost Worsted	564,924 \$137,408	4,239,395 \$921,873	1, 594, 801 \$266, 998
Pounds	1,638,596 \$779,688	1,653,638 \$800,865	281,830 \$113,538
Cotton— Pounds Cost	6,599,109 \$1,141,669	4,801,611 \$879,580	3,617,216 \$443,351
Linen— Pounds. Cost. Jute and other vegetable fiber—	4,858,864 \$800,837	5,049,746 \$819,971	5,382,255 \$732,307
Jute and other vegetable fiber— Pounds Cost	27,836,891 \$1,880,798	21,403,311 \$1,391,001	16,411,276 \$944,901
Chemicals and dyestuffs Fuel and rent of power	\$417,770 \$309,335	\$468,372 \$224,235	\$384,83 \$113,70
All other materials	\$1,248,060	\$919,291	\$705,84
Products, total value Carpets and rugs:	\$25, 606, 262	\$19, 404, 133	\$15,029,21
Square yards	26,973,631 \$25,477,756	22, 559, 873 \$19, 194, 104	21, 804, 15 \$14, 825, 42
Carpets Square yards Value	17,430,969 \$16,177,227	19,206,368 \$15,766,173	16, 038, 56 \$11, 530, 42
Rugs, woven whole— Square yards Value	9,542,662 \$9,300,529	3, 353, 505 \$3, 427, 931	5, 765, 59 \$3, 294, 99
All other products		\$210,029	\$203,79

<sup>1</sup> Included under "All other materials," to avoid disclosure of individual operations.

The chief material used in each of the three census years was wool, the cost of which formed 47 per cent of the total for all materials combined in 1909, 42.3 per cent in 1904, and 50.5 per cent in 1899. The quantity of wool used increased 12,624,804 pounds, or 53.6 per cent, from 1904 to 1909, and the cost \$1,549,111, or 32.9 per cent. Jute and other vegetable fiber yarns constituted the class second in importance, showing an increase for the five-year period 1904–1909 of 6,433,580 pounds, or 30.1 per cent, in quantity and \$489,137, or 35.1 per cent, in cost. The amount of woolen yarn purchased in 1909, however, was little more than one-eighth that reported for 1904, owing largely to the purchase of the fiber in the raw state instead of in yarn.

Carpets and rugs, taken together, show an increase for the period 1904-1909 of 4,413,758 square yards, or 19.6 per cent, in quantity and \$6,283,652, or 32.7 per cent, in value, and for the period 1899-1904 an increase of 755,718 square yards, or 3.5 per cent, in quantity and \$4,368,684, or 29.5 per cent, in value. In 1909 seamless rugs constituted 35.4 per cent of the total output of carpets and rugs, as compared with 14.9 per cent in 1904 and 26.4 per cent in 1899.

Axminster and moquette carpets formed the leading class of carpets manufactured in 1909, with tapestry Brussels, tapestry velvet, and Brussels following in the order named. In 1904 and 1899, however, tapestry Brussels was the leading variety.

Woolen, worsted, and felt goods, and wool hats .-- The 64 establishments reported for this industry in 1909. classified according to their products of chief value, comprised 30 woolen mills, 15 worsted mills, 12 felt mills, and 7 wool-hat factories.

The quantity and cost of the different materials reported for 1909, 1904, and 1899 are given in the following table:

MATERIAL.	1909	1904	1899
Total cost	\$14, 744, 028	\$10,715,224	\$8,683,510
Pounds	26, 651, 580	26,056,151	20,942,082
Cost Domestic—	\$8,462,790	\$6,826,833	\$4, 877, 605
Pounds Cost Foreign—	22,362,412 \$6,754,854	22,456,770 \$5,769,932	18,692,443 \$4,182,727
Pounds	4,289,168 \$1,707,936	3,599,381 \$1,056,901	2,249,639
Equivalent in scoured condition.	15,858,034	\$1,050,901 15,610,370	\$694,878 11,830,350
pounds Animal heir and fur: Pounds	3, 588, 381	1,537,450	11, 830, 350 837, 316
Cost. Tailors' clippings, rags, etc.:	\$747, 128	\$203,612	\$48,772
Pounds	1,234,161 \$68,197	1,332,056 \$77,716	(1) \$43,697
Cost Shoddy, mungo, and wool extract: Pounds.	939, 539	2,209,909	641,709
Cost	\$135,921	\$271,709	\$116,107
Pounds Cost Cotton:	2,908,692 \$960,628	1,716,008 \$512,751	1,923,179 \$569,815
Pounds	599, 698	1,326,455	1,009,766
Yarns, purchased: Pounds.	\$83, 276 2, 829, 606	\$175,676 1,594,097	\$84,585 3,465,476
Cost Worsted	\$1,718,630	\$595, 487	\$1,208,732
Pounds	1,412,237 \$1,227,155	318,244 \$237,531	626,031 \$541,901
Cotton— Pounds	990, 264	937,927	2,427,270
Cost. Silk and spun-silk—	\$300, 706	\$240, 824	\$391,791
Pounds	13, 913 \$49, 493	21,018 \$61,627	13,173 \$51,217
All other – Pounds	413, 192	316,908	399,002
Cost. Wool hat bodies and hats in the rough: Dozens.	\$141,276	\$55,505	\$223,823
Cost	16,057 \$47,616	$\begin{pmatrix} 2\\2 \end{pmatrix}$	2,676 \$9,618
Chemicals and dyestuffs. Fuel and rent of power and heat	\$623,270 \$370,969	\$561,490 \$285,388	\$491,373 \$201,066
All other materials.	\$1,525,603	\$1,204,562	\$1,032,140

<sup>1</sup> Not reported separately, <sup>2</sup> Included with "All other materials," to avoid disclosure of individual operations.

The total quantity of all classes of wool purchased was 26,651,580 pounds in 1909, 26,056,151 pounds in 1904, and 20,942,082 pounds in 1899, an increase of 595,429 pounds, or 2.3 per cent, for the later five-year period, and 5,114,069 pounds, or 24.4 per cent, for the

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earlier period. The cost of this material represented 57.4 per cent of the total cost reported for all materials in 1909, 63.7 per cent in 1904, and 56.2 per cent in 1899. Worsted yarns purchased show larger relative gains from 1904 to 1909 than any other class of materials, the quantity reported in 1909 being more than four times as great as in 1904, and the cost more than five times as great, while from 1899 to 1904 shoddy, mungo, and wool extract show the largest relative gain in quantity, and animal hair and fur the largest relative gain in value. For the five-year period 1904-1909 tailors' clippings, raw cotton, shoddy, and silk and spun-silk yarns all show a decrease in both quantity and cost, while domestic wool shows a decrease in quantity only.

The quantity and value of the chief products reported for the industry in 1909, 1904, and 1899 are shown in the following table:

PRODUCT.	1909	1904	1899
Total value	\$23, 739, 421	\$19, 476, 686	\$15, 784, 121
All-wool woven goods:			
Square yards	17, 243, 627	12, 459, 972	9,464,705
Value. Wool cloths, doeskins, cassimeres,	\$12, 830, 093	\$10, 532, 885	\$6, 558, 458
cheviots, etc.:			
Square yards	1,762,748	4, 427, 304	2,626,599
Valua	\$1,450,578	\$3,857,600	\$2,042,342
Worsted coatings, serges, and suit-	•-,,		<i>u_</i> , 01_, 01_
ings			
Square yards	6, 823, 860	3, 195, 395	3, 132, 310
Value. Worsted dress goods, cashmeres,	\$6, 420, 930	\$3, 694, 589	\$2,637,159
worsted dress goods, cashmeres,			
serges, etc Square yards	5, 375, 780	3,857,323	740, 724
Value.	\$2, 728, 242	\$2, 162, 435	\$368, 314
All other-	•=, •==, ===	<i>42, 202, 100</i>	4000,015
Square yards	3,281,239	979,950	2,965,072
Value	\$2, 230, 343	\$818,261	\$1, 510, 643
Cotton-mixed and cotton-warp goods:			
Square yards	7,065,151	8,139,033	9,804,480
Value. Worsted-filling dress goods—	\$2, 487, 584	\$3,081,060	\$3, 589, 350
Square yards	3, 376, 396	1, 518, 326	4,914,479
Value	\$1,056,731	\$540,078	\$1,700,998
All other—		0.000	<i>Q</i> , 100,000
Square yards	3, 688, 755	6, 621, 307	4,890,001
Value	\$1, 430, 833	\$2, 540, 982	\$1, 888, 357
Felt goods:			
Felt cloths, trimming and lining felts, felt skirtings, table covers,			
and sadulle felts			
Square yards	2, 892, 196	1,129,082	941,050
Value	\$976, 342	\$590,585	\$361,168
Endloss halte			
Pounds	1,881,047	11,100,579	1 626, 857
Value	\$1, 989, 988	\$1,101,743	\$617, 881
All other Lats, wool-felt:	\$1, 326, 638	\$1, 130, 626	\$686, 337
Dozens	133, 678	136,481	284, 494
Value	\$1,185,298	\$956,347	\$1, 218, 49
Value. Vorsted yarn, for sale:			
Pounds Value.	1,237,092	1,051,528	2 980, 510
Value	\$1, 184, 521	\$793,285	\$701,160
Voils, for sale:			
Pounds	1,793,580	858,972	526,92
Value	\$531, 897	\$261,055	\$165, 567
Waste, for sale:	838, 887	852,243	281.80
Pounds Value.	\$145, 921	\$128,750	\$36,900
	4110j 021	<i>q</i> 220j 100	<i>400,00</i> 0
Il other products	\$1,081,159	\$900,350	\$1,848,79

### <sup>2</sup> Includes tops.

The output of all-wool woven goods reported in 1909 was 17,243,627 square yards, as compared with 12,459,-972 square yards in 1904 and 9,464,705 square yards in 1899, the gain in 1909 as compared with 1904 being 4,783,655 square yards, or 38.4 per cent, and that in 1904 as compared with 1899 being 2,995,267 square yards, or 31.6 per cent. The very considerable gain in the output and value of worsted-filling dress goods between 1904 and 1909 was more than offset by a decline

1 Square yards.

in the manufacture of other woven goods containing cotton. The output of felt cloth in 1909 was more than double that in 1904. The total value of the worsted yarns manufactured for sale was \$1,184,521 in 1909, as compared with \$793,285 in 1904 and \$701,166 in 1899. To the extent that the partly manufactured products, such as yarn, noils, and waste, were sold by the establishments producing them to other establishments in the state engaged in the woolen industry for use as materials in their manufacturing processes, the value of such materials represents a duplication in the total cost of materials and value of products for the industry.

Cotton goods, including cotton small wares.—The quantity and cost of the principal materials used in this industry and the quantity and value of the chief products reported for 1909, 1904, and 1899 are given in the following table:

MATERIAL OR PRODUCT.	1009	1904	1899
Materials used, total cost	\$11, 726, 489	\$8, 644, 726	\$5, 718, 295
Cotton: Pounds Cost	68, 766, 704 \$8, 088, 263	51, 835, 100 \$0, 190, 179	52, 243, 049 \$3, 743, 267
Cotton yarn: · Pounds Cost	5, 843, 677 \$1, 472, 313	5, 583, 162 \$1, 363, 786	4, 297, 684 \$1, 083, 604
Starch Chemicals and dyestuifs Fuel and rent of power All other materials	\$70,581 \$150,405 \$407,128 \$1,537,799	\$33,094 \$105,294 \$330,299 \$622,074	\$27,465 \$77,884 \$228,577 \$557,498
Products, total value	\$20, 351, 555	\$13, 433, 904	\$10,788,003
Plain cloths for printing or converting: Square yards	86, 800, 075 \$3, 537, 860	70,321,095 \$2,883,012	80, 123, 110 \$2, 829, 674
Cotton towels and toweling: Square yards Value	1, 955, 625 \$430, 393	1, 255, 460 \$178, 687	{1 1}
All other woven goods: Square yards Value	58, 313, 842 \$7, 095, 170	40,951,177 \$4,317,437	50, 788, 768 \$3, 515, 851
Yarns, for sale: Pounds Value	31,765,481 \$6,745,518	24,943,905 \$5,102,181	17,922,997 \$2,782,105
Cotton waste: Pounds Volue.	7, 170, 930 \$250, 037	5, 396, 761 \$177, 890	6, 554, 045 \$126, 419
All other products	\$2, 292, 577	\$774,697	\$1, 533, 894

<sup>1</sup> Not reported separately.

The quantity of raw cotton used increased 16,931,604 pounds, or 32.7 per cent, from 1904 to 1909, although from 1899 to 1904 it decreased 407,949 pounds, or eight-tenths of 1 per cent. The cost of this material, however, increased more rapidly from 1899 to 1904 than it did from 1904 to 1909. The cost of cotton yarn, the material next in importance, increased from census to census, but much less rapidly than that of raw cotton. The cost of all the other classes of materials shown in the table likewise increased during both five-year periods.

On the basis of value, the products included under the head of "All other woven goods," which consisted mainly of brown or bleached sheetings and shirtings, corduroy, cotton velvet and plush, lace and lace curtains, mosquito and other netting, and twills and sateens, constituted the most important class of products in 1909 and 1899, while in 1904 yarns for sale formed the leading class. The output of plain cloth decreased between 1899 and 1904, but this decrease

was more than counterbalanced by an increase during the next five years. The value of each class of products shown separately in the table, however, increased during both five-year periods.

To the extent that cotton yarn and waste made in the state were sold by the establishments producing them to other establishments in New York engaged in the cotton-goods industry for use as material in their manufacturing processes, their value represents a duplication in both the total cost of materials and the total value of products for the state.

Fur-feit hats.—This industry includes the manufacture of derbies and soft felt hats, and of felt hats for women's wear, from rabbit, coney, and nutria fur. The quantity and cost of materials used and the number and value of fur-felt hats manufactured in 1909, 1904, and 1899 are shown in the following table:

MATERIAL OR PRODUCT.	1909	1904	1899
Materials used, total cost	\$5, 406, 265	\$3, 478, 454	\$2, 607, 454
Pounds Cost Fur-felt hat bodics and hats in the	1,883,207 \$1,860,052	1,563,680 \$1,265,877	1,281,452 \$1,163,340
rough: Dozens Cost	194,268 \$1,250,824	92,984 \$627,040	24,620 \$171,660
Chemicals and dyestuffs All other materials	\$100, 407 \$2, 194, 982	\$160,305 \$1,425,232	\$117,681 \$1,154,773
Products, total value Fur-felt hats:	\$10, 218, 660	\$7,739,774	\$5, 602, 458
Dozens. Value	776, 258 \$9, 465, 282	631, 374 \$6, 852, 797	226,061 \$5,052,570
All other products.	\$753,378	\$886,977	\$549,88

In 1909 the cost of hat bodies and hats in the rough was over two-thirds as great as that of hatters' fur, having made the remarkable increase from \$171,660 to \$1,250,824 during the last decade.

The number of hats manufactured increased 144,884 dozens, or 22.9 per cent, from 1904 to 1909, and 405,313 dozens, or 179.3 per cent, from 1899 to 1904. The increase in the value of the hats was \$2,612,485, or 38.1 per cent, for the later five-year period, and \$1,800,227, or 35.6 per cent, for the earlier five-year period. The figures for 1909 represent 26 per cent of the number and 21.8 per cent of the value of all furfelt hats produced in the United States in that year, the corresponding proportions in 1904 being 24.2 per cent and 20 per cent, respectively. In addition to those shown in the above table, fur-felt hats to the value of \$433,391 were made in 18 establishments engaged primarily in the manufacture of other kinds of hats, such as wool and straw.

Slaughtering and meat packing.—The first table on the following page gives the quantity and cost of the different materials used in the industry during the census years 1909, 1904, and 1899.

There were 189,731, or 39.6 per cent, more beeves slaughtered in 1909 than in 1904; 83,370, or 28.4 per cent, more calves; 381,084, or 24.8 per cent, more sheep; and 178,911, or 11 per cent, more hogs. The cost reported for each class of animals also increased during the same period, and even more rapidly than the number. .The cost of dressed meat purchased, however, which more than doubled between 1904 and 1909, shows a higher rate of increase for that period than any other item presented in the table.

MATERIAL.	1909	1904	1899
Total cost	\$110, 168, 234	\$66,777,802	<b>\$51, 17</b> 3, 032
Beeves slaughtered: Number Cost	668,447 \$47,746,152	478,716 \$29,799,375	378,833 \$21,492,495
Calves slaughtered: Number Cost Sheep slaughtered:	377,121 <b>\$4</b> ,406,391	293, 751 \$2, 611, 331	277,010 \$2,203,940
Number Cost Hogs slaughtered:	1,918,721 \$10,437,800	1,537,637 \$7,436,390	1,487,157 \$5,975,165
Number Cost	1,802,669 \$23,802,670	1,623,758 \$14,124,703	1,701,096 \$12,566,633
Dressed meat, purchased Fuel and rent of power All other materials	\$14,156,721 \$507,208 \$9,111,292	\$6,786,824 \$288,299 \$5,730,880	\$5,395,265 \$168,307 \$3,371,227

The following table shows the products reported for this industry at the last three censuses:

PRODUCT.	1909	1904	1899
Total value Beef, fresh:	\$127, 130, 051	\$75, 549, 917	\$58, 403, 452
Pounds. Value Beef, salted or cured:	429, 981, 714 \$41, 428, 480	310, 605, 538 \$26, 119, 579	252, 508, 996 20, 045, 478
Value	26, 460, 602 \$3, 085, 410	15, 145, 733 \$759, 210	10, 659, 190 \$796, 594
Veal, fresh: Pounds Value	. 36,610,306 \$4,316,843	26, 400, 486 \$2, 605, 948	25, 179, 357 \$2, 404, 942
Mutton, fresh: Pounds Value	80, 774, 979 \$9, 539, 554	63, 435, 207 \$5, 991, 233	61, 858, 172 \$5, 163, 001
Pork, fresh: Pounds Value. Pork, saltad or cured:	123, 540, 054 \$12, 665, 175	123, 177, 559 \$9, 130, 670	107, 996, 721 \$7, 340, 461
Pork, salted or cured: Pounds Value	134, 425, 208 \$17, 804, 064	106, 495, 914 \$10, 712, 616	122, 217, 119 \$9, 874, 335
Sausage, fresh or cured	\$6,461,809	\$3, 359, 825	\$2, 195, 581
Pounds Value Lard:	6,983,008 \$427,106	2,828,915 \$237,168	615,500 \$61,430
Pounds	47,042,820 \$5,814,101	35,098,711 \$2,413,755	31, 522, 702 \$2, 044, 069
Value. Tallow, oleo stock, and stearin: Pounds. Value.	51, 948, 253 \$4, 472, 789		$\begin{pmatrix} 1\\1 \end{pmatrix}$
Oleo oil: Gallons Value, Fertilizers and fertilizer materials:	3, 149, 003 \$2, 692, 932	8, 578, 246 \$2, 035, 419	1,660,999 \$954,064
Tons Value	16, 928 \$435, 900	10,740 \$233,562	5,605 \$104,532
Hides: Number Pounds. Value	899,790 49,577,570 \$7,105,591	607, 034 36, 892, 215 \$3, 748, 693	590, 824 26, 522, 241 \$2, 475, 993
Sheep pelts: Number Value.	1,913,895 \$1,389,474	22,069,553 \$1,101,878	(1) (1)
Wool: Pounds. Value	6, 605, 170 \$2, 249, 241	5,187,937 \$1,997,334	2,625,676 \$787,269
All other products, including amount received for custom or contract work.		\$5,103,027	\$4,155,703
	\$7,241,582	\$0,100,027	φτ, 100, 103

<sup>1</sup> Figures not available. <sup>2</sup> Includes pelts purchased for wool pulling.

With the exception of the quantity of oleo oil and the number of sheep pelts, the output of each of the different products shown separately increased both in quantity and in value from 1904 to 1909, but the percentages of increase in the value of meat products were considerably larger than those in quantity owing to the generally higher prices that prevailed in 1909.

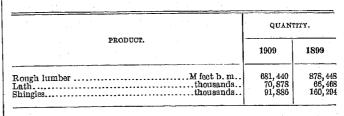
The increase in quantity, however, which is not influenced by such external conditions as changing prices, indicates more accurately the actual growth of the industry

The largest relative increase in quantity was that of 146.8 per cent for the products included under the head of "All other fresh meat," while the largest relative increase in value was that of 306.4 per cent for salted and cured beef. The output of fresh beef increased 119,376,176 pounds, or 38.4 per cent, from 1904 to 1909; that of salted and cured beef, 11,314,869 pounds, or 74.7 per cent; that of fresh veal, 10,209,820 pounds, or 38.7 per cent; that of fresh mutton, 17,339,772 pounds, or 27.3 per cent; that of fresh pork, 362,495 pounds, or three-tenths of 1 per cent; and that of salted and cured pork, 27,929,294 pounds, or 26.2 per cent. The total output of these products increased 186,532,426 pounds, or 28.9 per cent, while its value increased \$33,520,270, or 60.6 per cent, during the same period.

The value of all meat products, including sausage and "All other fresh meats," represented 75.3 per cent of the total value of all products for the industry in 1909, as compared with 78 per cent in 1904. The advance in price, as affecting the gain in value, seems to have been most pronounced in the case of salted and cured beef, whose value per pound in 1909 was more than double that in 1904. In the case of lard, the value increased 140.9 per cent, while the output increased only 34 per cent.

Lumber and timber products.—According to some authorities the first sawmills operated in the territory now comprised within the limits of the United States were erected at New Amsterdam and Fort George on the Hudson River early in the seventeenth century. Lumbering has been one of the leading industries in New York state from the beginning, and while its maximum annual production was reached and passed more than a decade ago, the industry still ranks ninth among the industries of the state in value of products and seventh in average number of wage earners employed.

The following statement shows the quantity of rough lumber, lath, and shingles produced by the sawmills of the state in 1909 and 1899:



As indicated by the figures, the quantity of lumber cut in New York decreased 22.4 per cent from 1899 to 1909, and the output of shingles 42.7 per cent, while there was an increase of 6.6 per cent in the production of lath. In 1899 about three-fourths of all the lumber 1、1月日の人が一年の時間の時

cut in the state was softwood, while in 1909 the softwood varieties constituted only 59.4 per cent of the total. In 1909 more lumber was sawed from hemlock than from any other species, the quantity being 162,784 M feet board measure, or 23.9 per cent of the entire production. Spruce and white pine were next in order, with 127,864 M feet and 104,658 M feet, respectively. While 11 varieties of hardwood lumber were reported in 1909, maple, beech, oak, and basswood, ranking in the order named, were the species cut in largest quantities, and together contributed 68.6 per cent of the total output of hardwood lumber in New York in that year.

Flour-mill and gristmill products.—New York ranks first among the states in the quantity of corn, buckwheat, and oats ground during 1909, third in that of wheat and rye, and sixth in that of barley. The following table shows the quantity and value of the different products for 1909, 1904, and 1899:

PRODUCT.	1909	1904	1899
Total value Wheat flour:	\$69, 802, 278	\$54, 548, 435	\$35,930,493
White-	0.001 000		
Barrels. Value.	6, 671, 722 \$35, 530, 639	5,637,588 \$27,993,291	
Graham-			5,107,418 \$18,569,427
Barrels Value	24,906 \$129,252	41,155 \$184,592	
Corn meal and corn flour:		· ·	<b>'</b> .
Barrels Value	2,090,537 \$5,967,943	3,004,226	2,937,282 \$5,530,454
		\$6,928,206	φυ, υου, 404
Rye flour: Barrels		332,719	236, 495
Value Buckwheat flour:	\$970, 797	\$1,424,315	\$770,651
Pounds	66, 632, 357	66, 234, 663	37,364,585
Value Barlev meal:	\$1,724,854	\$1,639,873	\$811,260
Pounds	1,530,356	7,005,960	5, 191, 778
Value	\$25,587	\$96,844	5,191,778 \$66,491
Hominy and grits:	19,534,650	82,014,004	807 400
Hominy and grits: Pounds Value	\$289,941	\$857,957	607,400 \$6,389
Feed:			
Tons Value	637,270 \$18,745,100	401,727 \$10,354,492	451,309 \$8,238,479
Offal:		\$10,004,402	40,200,410
Tons Value	219, 653 \$4, 990, 333	220,375 \$4,210,280	113,927 \$1,705,932
All other products	\$1,427,832	\$850,585	\$231,410

Wheat flour, which contributed slightly more than one-half of the total value of all products at each census, shows an increase of 17.9 per cent in quantity and 26.6 per cent in value for the period 1904-1909, as compared with an increase of 11.2 per cent in quantity and 51.7 per cent in value for the period 1899-1904. The output of offal, which consists mainly of bran and middlings, the by-products from the flour mills, decreased three-tenths of 1 per cent in quantity from 1904 to 1909, but increased 18.5 per cent in value; for the earlier five-year period, however, it shows an increase of 93.4 per cent in quantity and 146.8 per cent in value. Feed, which consists largely of corn and oats ground together, was the second product in importance at each census, and shows an increase of 58.6 per cent in quantity and 81 per cent in value for the period 1904-1909; between 1899 and 1904, however, there was a decrease in the output, though its value increased 25.7 per cent. The output of corn meal and corn flour increased in both quantity and value during the earlier five-year period, but decreased in both respects during the later period. Buckwheat flour shows an increase in both quantity and value of output for both periods, while the remaining products presented separately in the table show gains in both quantity and value for the period 1899–1904 and losses for the period 1904–1909, the greatest decreases being those shown for barley meal, amounting to 78.2 per cent in quantity and 73.6 per cent in value.

Of the 983 mills reported in 1909, 270 were engaged in milling wheat flour. Of these, 105 produced less than 1,000 barrels during the year; 86, from 1,000 to 4,999 barrels; 49, from 5,000 to 19,999 barrels; 19, from 20,000 to 99,999 barrels; and 11, 100,000 barrels or over. The equipment reported in 1909 consisted mainly of 3,873 pairs of rolls and 1,111 runs of stone and steel burrs. In 1904 there were 4,200 pairs of rolls and 1,326 runs of stone and steel burrs. Barrels were manufactured by 9 of the establishments reported in 1909.

Paper and wood pulp.—Of the total of 178 paper and pulp mills in the state in 1909, 27 were engaged exclusively in the manufacture of wood pulp, 100 made paper only, and 51 produced both pulp and paper. The wood pulp manufactured in mills producing pulp exclusively was used largely as material by the paper mills of the state, and to the extent that it was so used its value represents a duplication both in the total cost of materials and in the total value of products shown for the industry.

The following table gives the quantity and cost of the principal materials used in the industry during 1909, 1904, and 1899:

MATERIAL.	1909	1904	1899
Total cost	\$31, 767, 283	\$22, 805, 751	\$14, 563, 222
Pulp wood Wood pulp, purchased:	\$9,667,765	\$6,530,006	\$3, 208, 522
Cost.	331,143 \$10,075,729	264,862 \$7,012,081	189,519 \$4,595,014
Ground— Tons Cost	150,844 \$3,202,648	111,082 \$1,942,151	93,749 \$1,485,170
Sulphite fiber— Tons.	162,847	145,974	66,769
Cost Other chemical fiber—	\$6, 157, 218	\$4,801,063	\$2,519,066
Tons Cost Rags, including cotton and flax waste	17,452 \$715,863	7,806 \$268,867	29,001 \$590,772
and sweepings; Tons	27,800	21,050	17,899
Cost. Old or waste paper:	\$493, 271	\$335,503	\$420,870 51,691
Tons Cost	155, 436 \$2, 000, 335	101,472 \$1,167,592	\$564,463
Manila stock, including jute bagging, rope, waste, threads, etc.: Tons.	11,952	23,119	23,673
Cost	\$429, 368	\$554,335	\$646,776 \$1,438,952
Fuel and rent of power All other materials	\$3,028,118 \$6,072,697	\$2,293,285 \$4,912,949	\$3,688,625

The cost of pulp wood shows an increase of \$3,137,759, or 48.1 per cent, for the five-year period 1904-1909, as compared with an increase of \$3,321,484, or 103.5 per cent, between 1899 and 1904; these figures, however, do not afford an entirely satisfactory index of the increase in the amount of wood consumed, as the price of wood advanced materially during the decade. In 1909 a total of 921,882 cords of pulp wood were used in the industry, of which imported spruce formed 44.3 per cent; domestic spruce, 41.7 per cent; domestic poplar, 5.7 per cent; and imported poplar, 1.9 per cent.

The wood pulp purchased increased 66,281 tons, or 25 per cent, in quantity and \$3,063,648, or 43.7 per cent, in cost from 1904 to 1909. In addition to the pulp purchased, 399,659 tons in 1909, 370,572 tons in 1904, and 180,336 tons in 1899 were used in the mills where manufactured. A substantial increase between 1904 and 1909 was reported in the cost of all the other classes of materials shown in the table, with the exception of manila stock, which was the only class to show a decrease in quantity.

The quantity and value of the different products manufactured during the last three census years are shown in the following table:

PRODUCT.	1909	1904	1899
Total value	\$48, 859, 610	\$37,750,605	\$26,715,628
News paper: Tons Value	374, 808 \$14, 602, 245	347,546 \$13,465,093	204, 957 \$6, 879, 013
In rolls— Tons Value	355, 155 \$13,842, 676	330, 423 \$12, 719, 853	162, 153 \$5, 405, 452
In sheets— Tons	19, 653 \$819, 569	17,123 \$745,240	42,804 \$1,473,561
Tons Value	68, 717 \$4, 567, 173	33,567 \$2,381,336	31, 461 \$2, 029, 074
Wrapping paper: Tons Value. Manila (rope, jute, tag, etc.)—	150, 098 \$7, 724, 244	157, 186 \$7, 180, 993	157, 385 <b>\$7</b> , 466, 185
Tons Value	17,347 \$1,045,375	20,888 \$980,273	22,760 \$1,419,659
Heavy (mill wrappers, etc.)— Tons Value	18, 951 \$695, 468	12,741 \$466,846	38,556 \$2,164,495
Value. Bogus or wood manila— Tons. Value.	79, 952 \$4, 206, 208	75,262 \$3,359,980	74, 724 \$3, 092, 370
All other— Tons Value	33,848 \$1,777,103	48, 295 \$2, 373, 894	21, 345 \$789, 661
Boards: 'Tons Value Wood pulp—	141,467 \$5,105,735	90,094 \$3,347,317	40,394 \$1,308,585
Tons. Value	23, 757 \$948, 796	11,011 \$508,000	12, 133 \$411, 655
News— Tons. Value.	5,477 \$144,844	7,230 \$255,843	3,775 \$103,316
All other— Tons Value	112, 233 \$4, 012, 095	71,853 \$2,583,474	24,480 \$853,614
Tissues: Tons. Value.	30,049 \$2,786,101	18,101 \$1,764,911	8,415 \$768,945
Hanging papers: Tons. Value. Building, roofing, asbestos, and sheath- ing mare:	62, 179 \$2, 865, 839	42,722 \$1,978,650	39,593 \$1,562,465
ing paper: Tons Value All other paper products:	21,743 \$825,681	10,963 \$352,521	8,044 \$260,051
Value Wood pulp made for sale or for consump-	41, 187 \$1, 344, 042	19,861 \$1,229,579	15, 163 <b>\$1,</b> 083, 967
tion in mills other than where pro- duced: Tons Value Ground-	279, 875 \$8, 820, 696	235,442 \$5,621,342	214,299 \$5,232,451
Tons Sulphite fiber—	100,383 \$1,859,391	128,695 \$1,921,371	122,607 \$1,896,783
Tons Soda fiber	146,256 \$5,586,136	89, 368 \$3, 076, 740	76,658 \$2,779,922
Tons Value	33,236 \$1,375,169	17,379 \$623,231	15,034 \$555,746
All other products	\$157,854	\$428,803	\$64,892
Wood pulp produced (including that used in mills where manufactured), total, tons Ground, tons Sulphite fiber, tons Soda fiber, tons	679,534 405,376 234,717 39,441	606, 014 379, 029 200, 019 26, 906	394, 635 245, 293 124, 996 24, 346

News paper was the principal product of the industry in 1909 and 1904, its value constituting 30 per cent of the total for all products in 1909, 35.7 per cent in 1904, and 25.7 per cent in 1899. Among the different paper products, the largest increase in value from 1899 to 1904 was that of \$6,586,080 reported for news paper, whereas from 1904 to 1909 the largest gain was that of \$2,185,837 in the value of book, cover, plate, and coated paper. Of the total output of news paper manufactured in 1899, 79.2 per cent was in rolls, while in 1904 and 1909 the proportions were 95.1 per cent and 94.8 per cent, respectively. News boards and the wrapping paper included under the head of "All other" are the only paper products which show losses in both quantity and value from 1904 to 1909, although the output of manila wrapping paper shows a decrease in quantity alone. In 1909 New York contributed 31.3 per cent of the total value of the news paper manufactured in the United States, 21.3 per cent of the value of the bogus or wood manila wrapping paper, and 32.6 per cent of the value of the tissues.

Of the total quantity of wood pulp manufactured in the state in 1909, including that used in the mills where it was made, 59.7 per cent was ground wood pulp, 34.5 per cent sulphite fiber, and 5.8 per cent soda fiber, while in 1899, 62.2 per cent of the total quantity was ground wood pulp, 31.7 per cent was sulphite fiber, and 6.2 per cent soda fiber, a comparison of the figures showing a slight increase in the proportion of sulphite fiber during the decade. Fifty-eight and eight-tenths per cent of the pulp manufactured in 1909 was used in the mills where it was made, as compared with 61.1 per cent in 1904 and 45.7 per cent in 1899. Of the pulp manufactured for sale or for use in other mills in 1909, 35.9 per cent was ground wood pulp, while 52.3 per cent was sulphite fiber, and 11.9 per cent was soda fiber. In 1904 and 1899, however, ground wood pulp constituted more than one-half the total quantity of pulp manufactured for sale. The figures given in the table show that there has been a marked increase, especially since 1904, in the amount of sulphite and soda fiber manufactured for sale, and a considerable decrease in the amount of ground wood pulp, though the total amount of each kind of pulp manufactured shows an increase throughout the decade. The value of sulphite fiber constituted more than one-half the total value of pulp manufactured for sale in each census year, amounting in 1909 to 63.3 per cent.

The first table on the following page shows the number and capacity of the Fourdrinier and cylinder machines used in the paper mills, and of the grinders and digesters used in the pulp mills in 1909, 1904, and 1899.

The number of paper machines increased from 290 in 1904 to 331 in 1909, while their annual capacity increased 215,174 tons, or 24.4 per cent, during the 一日の一日二十二日の日

same time; from 1899 to 1904 the increase in the number of machines was relatively small, but their capacity increased 44.1 per cent. Fourdrinier machines formed more than half the total number in 1904 and 1899, but in 1909 they were considerably outnumbered by the cylinder machines, which are generally used in the manufacture of tissue paper, boards, and certain other special kinds of paper. The average capacity of the Fourdrinier machines, however, was more than twice as great as that of the cylinder machines, so that the former still represented in 1909 more than two-thirds of the total paper-making capacity. The number of pulp grinders decreased somewhat from 1904 to 1909, but their yearly capacity increased 118,733 tons, or 21 per cent; the number of sulphite digesters increased from 84 to 93, and their capacity increased 75,338 tons, or 32.3 per cent; and the number of soda digesters remained unchanged, while their capacity increased 12,161 tons, or 37.4 per cent.

MACHINE.	1909	1904	1899
Paper machines:		000	
Total number	331	290	266
Capacity, yearly, tons Fourdrinier-	1,096,094	880, 920	611, 179
Number	153	155	139
Capacity per 24 hours, tons	2, 475	2,230	(1)
Cylinder-	-,	, ~~~	()
Number.	178	135	127
Capacity per 24 hours, tons	1, 124	815	(١)
Pulp equipment:	F00	ene'	
Grinders, number	500 114	535 105	449 82
Digesters, total number Sulphite, number	93	84	(3) 04
Soda, number	21	21	22
Conacity yearly tons of pulp, total	1,038,741	832, 509	495,668
Capacity, yearly, tons of pulp, total Ground	685, 436	566,703	(2)
Sulphite	308, 622	233,284	(2) (2)
Soda	44, 683	32,522	(2)
<sup>1</sup> Not reported. <sup>2</sup> ]	Not reported s	eparately.	·

Boots and shoes.—The following table shows the number of pairs of the various kinds of boots and shoes manufactured during 1909, 1904, and 1899:

	NUMBER OF PAIRS.			
KIND.	1909	1904	1899	
Boots and shoes. Men's. Boys' and youths'. Women's. Misses' and children's. Slippers. Men's, boys', and youths'. Women's, misses', and children's. Infants' shoes and slippers. All other kinds of footwear	$\begin{array}{c} 20, 105, 346\\ 3, 853, 855\\ 745, 527\\ 10, 141, 133\\ 5, 364, 831\\ 2, 518, 409\\ 701, 356\\ 1, 817, 113\\ 3, 797, 675\\ 2, 116, 961\\ \end{array}$	$\begin{array}{c} 19,010,064\\ 5,570,787\\ 1,265,183\\ 7,174,649\\ 4,903,445\\ 2,037,412\\ 393,968\\ 1,643,444\\ (1)\\ 2,779,814 \end{array}$	$16,521,347\\3,870,221\\1,402,066\\5,896,367\\5,352,693\\1,667,410\\435,215\\1,232,195\\(1)\\1,265,166$	

#### <sup>1</sup> Not reported separately.

This table indicates that 20,105,346 pairs of boots and shoes and 2,518,469 pairs of slippers, or 8.1 per cent and 14.4 per cent of the respective totals for the United States, were manufactured in New York in 1909, these figures representing increases of 5.8 per cent and 23.6 per cent, respectively, as compared with 1904. The production of women's boots and shoes increased 41.3 per cent between 1904 and 1909, and that of misses' and children's boots and shoes 7.4 per

cent. On the other hand, a decrease of 30.9 per cent occurred in the output of men's boots and shoes, and a decrease of 41.1 per cent in that of boys' and youths' boots and shoes. With the exception of the footwear included under the head of "All other kinds of footwear," which comprises, for the most part, sandals and bath slippers, the remaining classes in the table show substantial gains for this period.

The following table shows the number of pairs of the various kinds of footwear made in 1909, classified according to the methods used in their manufacture:

* NUMBER OF PAIRS, BY METHOD OF MANUFACTURE,					
KIND.	Total.	Machine or hand welt.	Turned.	McKay.	All other methods,1
Boots and shoes. Men's. Boys' and youths'. Women's. Misses' and children's. Slippers. Men's, boys', and youths'. Women's, misses', and children's. Infants' shoes and slippers All other kinds of footwear.	20, 105, 340 3, 853, 855 745, 527 10, 141, 133 5, 364, 831 2, 518, 409 701, 356 1, 817, 113 3, 797, 675 2, 116, 961	73,847 286,823	(2) (2) 2, 330, 233 2, 739, 824 621, 300 146, 395 474, 905 3, 446, 029	707,943 296,833 2,905,639 1,463,796 1,523,174 479,850 1,043,318 22,203	2,017,406 244,132 13,325 1,258 12,067 37,601

<sup>1</sup> Includes wire-screw or metal-fastened, and wooden-pegged. <sup>2</sup> Included under "All other methods."

Of the total number of pairs of boots and shoes manufactured in New York in 1909, 36.8 per cent were machine or hand welt sewed, 26.7 per cent were McKav sewed, 25.2 per cent were turned, and 11.2 per cent manufactured by other methods, the latter class comprising wire-screw or metal-fastened, and woodenpegged shoes. More than half of the total number of men's boots and shoes were of the last-mentioned types. About two-fifths of the boys' and youths' boots and shoes and more than half of the slippers were manufactured by the McKay process. Almost half of the women's boots and shoes were made by the machine or hand welt process, and more than half of the misses' and children's boots and shoes, together with nearly all of the infants' shoes and slippers, were turned.

Butter, cheese, and condensed milk .--- The quantity of milk used in this industry increased from 2,309,-599,597 pounds in 1899 to 2,722,580,187 pounds in 1904, but decreased to 2,422,727,788 pounds in 1909, whereas the quantity of cream used increased from 2,496,730 pounds in 1899 to 6,176,069 pounds in 1904 and 17,842,320 pounds in 1909. Owing to the importance of the condensed-milk branch of the industry in the state, the quantity of milk used by all branches of the industry combined has not decreased as rapidly since 1904 as it has done in most other states. The quantity of milk used in the butter-making branch of the industry, however, has decreased decidedly on account of the radical change in the method of handling milk which has taken place in the last decade. Formerly it was a common practice for the farmer to sell the whole milk to the creamery, but now the milk is usually separated on the farm and only the cream is sold. Of the 1,552 establishments included in this industry in 1909, 512 used separators, whereas 705 of the 1,766 plants in operation during 1904 reported such machinery. The number of separators in these establishments in 1909 was 1,065, as against 1,219 in 1904.

The quantity and value of the different products for 1909, 1904, and 1899 are presented in the following table:

PRODUCT.	1909	190 <del>4</del>	1899
Total value	\$42, 458, 345	\$31,047,776	\$26, 557, 888
Butter: Founds Value	45,897,216 \$13,471,482	58,256,504 \$12,316,059	40, 693, 846 \$8, 087, 210
Packed Solid Pounds Value	31, 481, 828 \$9, 127, 057	46,208,732 \$9,522,572	33,068,820 \$6,471,515
Prints or rolls- Pounds Value	14, 415, 388 \$4, 344, 425	12,047,772 \$2,793,487	7, 625, 026 \$1, 615, 695
Cheese: Pounds Value	105, 194, 898 \$14, 266, 924	132,836,482 \$10,812,747	127, 386, 032 \$12, 226, 783
Full-cream Pounds Value	89,055,411 \$12,502,997		(1) (1)
Part-oream- Pounds. Value.	7,171,305		
Skimmed- Pounds Value	4, 455, 681 \$291, 246		
Other kinds— Pounds	4, 512, 441		
Value Condensed milk: Pounds	120,601,999	102, 480, 355	75, 447, 148
Value Sweetened— * Pounds	\$9, 428, 283 87, 658, 031	\$6,718,380 78,149,508	\$4,801,223 75,447,148
Value Unsweetened— Pounds	\$7, 575, 218 32, 943, 968	\$5,433,668 24,330,847	\$4,801,223
Value Cream sold; Pounds		\$1,284,712 5,072,920	11,943,408
Value Casein:	\$3, 481, 296	\$428,941 6,736,506	\$784,623 6,223,085
Pounds Value	\$482, 308	\$310,953	\$154, 272
All other products <sup>2</sup>	\$1,328,052	\$460,696	\$503,777

<sup>1</sup> Not reported separately. <sup>2</sup> Includes skimmed milk sold and whey.

Cheese was the most important product, as measured by value, in 1909 and 1899, and butter the leading product in 1904. The total value of cheese represented 33.6 per cent of the total value of products for the industry in 1909, and that of butter 31.7 per cent; for 1904 the corresponding percentages were 34.8 and 39.7, while for 1899 they were 46 and 30.5, respectively.

The output of cheese increased in quantity but decreased in value from 1899 to 1904, while from 1904 to 1909, though it decreased 20.8 per cent in quantity it increased 31.9 per cent in value. From 1899 to 1904 both the total quantity and the total value of butter increased decidedly, but from 1904 to 1909 its value increased much less rapidly and its quantity decreased more than one-fifth. The total output of condensed milk increased substantially in both quantity and value during the decade.

The proportions which the values of these three classes of products for the state formed of the corresponding totals for the United States in 1909 were as

follows: Cheese, 33 per cent; butter, 7.5 per cent; and condensed milk, 28.1 per cent. Measured by value of products, New York held first place among the states in the manufacture of condensed milk, second in the manufacture of cheese, and fourth in the manufacture of butter.

Gas, illuminating and heating.—The following table shows the quantity and cost of the different materials used in the gas industry during 1909 and 1904:

MATERIAL.	1909	1904
Total cost	\$15, 018, 406	\$10,940,40
Coal:	1 077 101	1 150 10
Tons. Cost.	1,275,404	1,159,190 \$3,934,231
008t	\$4, 305, 405	\$0,904,20
Coke:	101,012	37,27
Tons	\$330,338	\$77,05
CostOil:	\$330,000	<i>φ(1</i> ,00)
Gallons	171, 212, 040	128,365,31
Cost	\$5, 578, 560	\$5,509,76
Calcium carbide:	\$0,010,000	<i>w0,000,10</i>
Pounds.	897,350	31,600
Cost	\$27,489	\$1,25
0020		<i>w1</i> , 20.
Gas, purchased	\$2,965,563	\$62,15
Fuel for boilers and retorts	\$384,712	\$338,37
Lamns and appliances	\$986, 370	(1)
Lamps and appliances.	\$439,969	\$967,58

#### <sup>1</sup> Figures not available.

Oil was the most important material used, both in 1909 and in 1904, contributing 37.1 per cent of the total cost of materials for the industry in the later year and 50.4 per cent in the earlier. Although the quantity used in 1909 was practically one-third more than in 1904, the cost was but slightly greater. The material next in importance was coal, the cost of which represented 28.7 per cent of the cost of all materials in 1909 and 36 per cent in 1904. The quantity used increased 116,208 tons, or 10 per cent, and its cost \$371,174, or 9.4 per cent, during the five-year period. Although contributing a very small proportion of the total cost of materials, calcium carbide, which is used in the manufacture of acetylene gas, shows the greatest relative gain in quantity, and also, with the exception of gas purchased, in cost. A number of companies manufacturing gas within the state purchase considerable quantities of gas for distribution from other New York gas companies, such purchases amounting in 1909 to 6,289,180,000 cubic feet and costing \$2,965,563. These figures, in a measure, represent the extent of duplication in the industry for the year. The decrease in cost shown for "All other materials" is due largely to the fact that in 1904 this class included lamps and appliances, which were reported separately in 1909.

The quantity and value of the different products manufactured during 1909 and 1904 are shown in the first table on the following page.

The total quantity of all kinds of gas reported in 1909 was 45,768,354,000 cubic feet, valued at \$34,-851,565, as compared with 34,180,625,000 cubic feet, valued at \$33,483,741, in 1904, an increase of 11,587,729,000 cubic feet, or 33.9 per cent, in quantity, and an increase of \$1,367,824, or 4.1 per cent, in value.

PRODUCT,	1909	1904
Total value	\$42, 346, 726	\$35, 314, 903
Gas: Cubic fect, thousands	45, 768, 354	34, 180, 625
Value	\$34,851,565	\$33, 483, 741
Straight coal-	40 nj = j	,,.
Cubic feet, thousands	6, 258, 297	2,277,537
Value	\$4, 267, 355	\$2,084,077
Carbureted water-		
Cubic fect, thousands	34, 759, 676	22, 336, 001
Value	\$26,704,625	\$18,569,697
Mixed-		0.001.001
Cubic feet, thousands	4, 603, 866	9,261,881
Value	\$3, 490, 211	\$12,518,259
Oil-	194 107	303,180
Cubic feet, thousands Value	134,167 \$322,878	\$306,270
Acetylene-	\$324,010	\$000, and
Cubic feet, thousands	3,488	128
Value	\$48,837	\$2,014
All other-	<b>\$</b> 30,001	4-,0
Cubic feet, thousands	8,860	1,892
Value	\$17,659	\$3,424
Coke	1	•
Bushels	17,509,858	11,839,567
Value	\$1, 163, 509	\$732,712
Tar:		
Gallons	1 15, 304, 307	13, 334, 182
Value	\$312,749	\$317,214
· · · · · · · · · · · · · · · · · · ·	01 001 07M	e150.005
All other products		\$152,823
Receipts from sales of lamps and appliances	\$1,033,926	\$628, 413

<sup>1</sup> In addition, 6,439,961 gallons were reported without value.

Carbureted water gas formed more than three-fourths of the total quantity of gas reported in 1909, its production having increased 12,423,675,000 cubic feet, or 55.6 per cent, from 1904 to 1909; the value of this gas constituted 52.6 per cent of the total value of all products in the former year, and 63.1 per cent in the latter. Straight coal gas was second in importance in 1909, although in 1904 mixed gas ranked second in both quantity and value. During this period the output of straight coal gas increased 3,980,760,000 cubic feet, or 174.8 per cent, and its value \$2,183,278, or 104.8 per cent. The quantity of mixed gas and of oil gas decreased more than one-half from 1904 to 1909; acetylene gas, on the other hand, shows a remarkable increase, although the output was comparatively small even in 1909. There was a substantial increase during the five years in the output of coke produced for sale, and of tar, the former increasing 5,670,291 bushels, or 47.9 per cent, and the latter 1,970,125 gallons, or 14.8 per cent.

Iron and steel, steel works and rolling mills.—The next table shows the quantity and the cost of the principal classes of materials and the quantity and value of the main groups of products reported by the steel works and rolling mills of New York for 1909, 1904, and 1899.

Pig iron and ferroalloys (spiegeleisen, ferromanganese, etc.), constituted the most important group of materials used in 1909 and 1904, as regards both the tonnage and cost, but a slightly larger cost was reported for scrap iron in 1899. The cost of pig iron and the other materials included in this group formed 58.3 per cent of the total cost of materials used in 1909, as compared with 51.3 per cent in 1904 and 29.2 per cent in 1899. From 1904 to 1909 there was a general increase in the tonnage of each of the three main groups of materials used, as well as in the cost of each class of materials shown in the table, the

largest relative gains in both respects being shown for the group comprising ingots, blooms, etc. In addition to the scrap iron and steel shown in the table, which was acquired from outside sources, a little over 200,000 tons produced in the works themselves during 1909 were charged back into the furnaces.

Rolled, forged, and other classified products, which contributed 85.8 per cent of the total value of products for the industry in both 1909 and 1904, and 88.6 per cent in 1899, show an increase from 1904 to 1909 of 486,645, or 85.5 per cent, in tonnage, and \$15,705,046, or 86.2 per cent, in value. The total production of steel in the state in 1909 was 1,115,250 tons and in 1904 474,258 tons, a little more than half being manufactured by the Bessemer process. Of the steel product for 1909, 1,088,840 tons were in ingots, of which 1,087,518 tons were converted into rolled forms in the works where produced, and 26,410 tons were in castings.

MATERIAL OR FRODUCT.	1909	1904	1899
Matorials, total cost Pig iron and ferroalloys—spiegeleisen, ferromanganese, etc.:	\$25, 889, 170	\$13, 260, 039	\$4,168,055
Tons. Cost. Scrap, purchased, including old rails not intended for rerolling; <sup>1</sup>	947, 541 \$15, 087, 647	508, 902 \$6, 800, 549	69,290 \$1,218,071
Tons. Cost. Ingots, blooms, billets, slabs, muck and scrap bar, rails for rerolling, and sheet and the plate bars:	183,112 \$8,230,711	156,985 \$2,181,484	68,058 \$1,257,237
Tons. Cost.	96,691 <b>\$1,</b> 874,919	24, 811 \$676, 995	25, 997 \$695, 835
Fuel and rent of power	2,170,165 3,516,728	1,577,541 2,023,520	471, 663 525, 249
Products, total value	\$39,532,414	\$21,227,399	\$8,812,408
Tons Value All other products, including value ad-	1,055,968 \$33,921,048	509, 323 \$18, 216, 002	137,981 \$7,809,118
ded to rolling-mill products by further manufacture.	\$5,611,366	\$3,011,397	\$1,003,290

<sup>1</sup> Includes scrap transferred to the establishment reporting from other works of the company.

Iron and steel, blast furnaces.—The following table shows the quantity and value of pig iron produced in the years 1909, 1904, and 1899, together with the value of the other products of the blast-furnace industry in those years:

PRODUCT.	1909	1904	1899
Total value	\$26, 620, 948	\$8, 634, 737	\$5,048,145
Pig iron: Tons Value	1,717,091 \$26,596,413	609, 588 \$8, 411, 946	334, 512 \$5, 042, 550
All other products	\$24, 535	\$222,791	\$3, 59
Pig iron, classified by grades, ions.			
Bessemer. Basic Foundry. Forge or mill. Malleable Bessemer. All other.	$\begin{array}{c} 622,115\\ 262,846\\ 629,905\\ 48,446\\ 107,973\\ 45,806 \end{array}$	$\begin{array}{r} 225,414\\ 4,669\\ 275,104\\ 34,403\\ 34,848\\ 35,150\end{array}$	291,99 33,69 3,82

The production of pig iron increased remarkably during the decade 1899-1909, the actual gain from 1899 to 1904 being 275,076, or 82.2 per cent, in tonnage, and \$3,369,396, or 66.8 per cent, in value, and from 1904 to 1909, 1,107,503, or 181.7 per cent, in tonnage, and \$18,184,467, or 216.2 per cent, in value. Of the 1909 product, all of which was coke iron, 770,429 tons were manufactured for use in the plants of the producing companies, and 946,662 tons were produced for sale. The leading grade of pig iron manufactured during each of the three census years was that for foundry purposes, which formed 36.7 per cent of the total production in 1909, 45.1 per cent in 1904, and 87.3 per cent in 1899. No Bessemer pig iron was reported in 1899, but it was second in importance both in 1909 and in 1904, the output amounting to 622,115 tons in 1909, as compared with 225,414 tons in 1904.

There were 19 active furnaces in 1909, of which 17 were located in the western part of the state, in Erie, Niagara, and Monroe Counties, and 2 in the Champlain district. The western group of furnaces used Lake Superior ores, while those of the Champlain district used ores mined in the neighborhood. Four furnaces of the Lackawanna Steel Company having a daily capacity of 600 tons each are included in the western group. This is the largest size of furnace in use, there being only five others in the United States having this capacity.

Chemicals.—The following table shows the quantity and value of the more important chemicals and groups of chemicals manufactured during 1909, 1904, and 1899:

PRODUCT.	1909	1904	1899
Total value	\$35, 346, 072	\$23,021,705	1\$15,994,366
Acids Sodas	\$2,551,874 \$6,079,225	\$1, <b>1</b> 01,874 \$5,542,930	\$444,510 \$4,921,144
Soda ash Tons. Value	142, 181 \$2, 271, 513	173,721 \$2,815,718	167,552 \$2,066,422
Sal soda— Tons Value.	37,106 \$437,531	35, 824 \$498, 361	28,095 \$357,303
Bicarbonate of soda- Tons. Value.	49,306 \$866,836	44,247 \$587,698	43,812 \$885,003
Other soda products	\$2,503,345	\$1,641,153	\$1,612,416 \$593,070
Chemical substances produced by the	\$910,027	\$87,000 \$567,774	\$43,300 \$340,612
aid of electricity Plastics	\$12,918,719 \$556,005 \$619,304	\$4,784,640 \$2,636 \$490,316	\$1, 102, 481 \$226, 452
Fine chemicals: Silver salts—			
Ounces Value Chloroform—	459,149 \$199,130	467,051 \$161,179	325, 121 \$120, 104
Pounds Value	1,647,506 \$417,204	150,000 \$50,127	62,540 \$31,270
All other Glycerin: <sup>2</sup> Pounds	\$1,464.947 19,871,614	\$2, 472, 246 8, 000, 000	\$324, 124 8, 000, 000
Value. Cream of tartar: Pounds.	\$2,766,879 13,309,512	\$1, 120, 000 11, 553, 660	\$1, 120, 000 4, 800, 000
Value	\$2,504,869	\$2, 263, 872	\$960,000
Other chemicals All other products	\$2,707,903 \$990,453	\$1,766,703 \$2,610,408	\$53,275 1\$5,714,024

<sup>1</sup>Including sulphuric, nitric, and mixed acids and wood distillation products Valued at \$3,908,400. <sup>2</sup> Not including 8,955,990 pounds, valued at \$1,212,606, in 1909, and 3,432,515 pounds, valued at \$383,885, in 1904, produced in the state by manufacturers of scap.

The chemical substances produced by the aid of electricity formed the most important group in respect to value, in 1909, and show the largest actual gains, the value having increased \$3,682,159, or 334 per cent, from 1899 to 1904, and \$8,134,079, or 170

per cent, from 1904 to 1909. The value of these products constituted 36.5 per cent of the total value of all products reported for the industry in the state in 1909, as compared with 20.8 per cent in 1904, and 6.9 per cent in 1899. The remarkable growth in the manufacture of this group of products in New York is due largely to the extensive utilization of water power in the western part of the state for the generation of electric current. The value of this group of products manufactured in New York during 1909 represented nearly three-fourths of the total value of such products for the United States. The principal substances constituting this group in 1909 were aluminum (which is obtained exclusively by the electrolytic process), calcium carbide, hypochlorites, caustic soda, sodium, chlorates, phosphorus, and carborundum.

The next group in importance in point of value in 1909 consisted of sodas, the total value of which increased \$621,786, or 12.6 per cent, from 1899 to 1904, and \$536,295, or 9.7 per cent, from 1904 to 1909. Soda ash was the most important single item of the group, and bicarbonate of soda the second. It is noteworthy that the quantity and value of soda ash and the value of sal soda decreased from 1904 to 1909. This group of products was the most important in 1904, but since that period has been superseded by "chemical substances produced by the aid of electricity."

Glycerin and cream of tartar represented the largest values of any of the chemicals shown separately in the table in 1909. The output of glycerin in New York (by the establishments engaged primarily in the manufacture of chemicals) shows an increase from 1904 to 1909 of 11,871,614 pounds, or 148.4 per cent, in quantity and \$1,646,879, or 147 per cent, in value. Nearly all of the cream of tartar manufactured in the United States during 1909 was made in New York.

The most decided relative increase from 1904 to 1909 was in the value of plastics. The manufacture of plastics in New York is a comparatively new industry, for the total output in 1904 was valued at only \$2,636, whereas in 1909 it reached \$556,005, of which the value of casein, fibrin, or gluten compositions represented 95.3 per cent. Chloroform also shows large relative gains in quantity and value.

In addition to those shown in the above table, chemicals valued at \$1,835,321 were produced incidentally during 1909 by 17 establishments primarily engaged in the manufacture of products classified under other industry designations.

Musical instruments, pianos and organs and materials.—The number and value of the different classes of instruments manufactured during 1909, 1904, and 1899 are shown in the first table on the following page.

A total of 141,389 pianos were made in 1909, an increase of 39,357, or 38.6 per cent, over the number

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reported in 1904, which, in turn, was 42 per cent greater than the number reported in 1899. The value of pianos constituted 70.6 per cent of the total value of products for the industry in 1909, 71.3 per cent in 1904, and 80.4 per cent in 1899. By far the greater part of the pianos were uprights without player attachments, this class showing a substantial increase both in number and in value for both five-year periods. The growth in the production of pianos for or with player attachments, however, has been remarkable, the number having increased from 83 in 1899 to 1,506 in 1904 and 18,917 in 1909. Comparatively few organs were made in the state during any one of the three census years. The number dropped from 1,774 in 1899 to 58 in 1904, but advanced to 275 during the next five-year period. Of these instruments, all in 1904 and nearly all in 1909 were pipe organs. There were 1,701 reed organs manufactured in 1899, but none were reported in 1904 and only 30 in 1909. Both in 1904 and 1909 the value of parts and materials constituted a considerable proportion of the total value of products. The major portion of this amount represents the value of the output of independent establishments manufacturing cases and other parts of instruments which were used as materials in the instrument factories of the state, so that their value was counted again as a part of the value of the finished pianos and organs and thus represents a duplication in the total cost of materials and value of products for the industry.

PRODUCT.	1909	1904	1899
Total value	\$33,679,953	\$23, 389, 504	\$14, 746, 431
Pianos: Number Value	141,389 \$23,771,763	102,032 \$16,684,911	71,858 \$11,862,257
Upright Number Value.	137,091 \$21,401,242	98,491 \$14,819,717	69,274 \$10,899,399
Value. Without player attachments— Number Value.	118,174 \$16,777,094	96,985 \$14,505,035	69,191 \$10,876,749
For or with player attachments— Number Value	18,917 \$4,624,148	1,506	\$22,650
Grand— Number	4,298	\$314,682	2,58
Value Player attachments made separate from pianos:	\$2,370,521	\$1,865,194	\$962,86
Number. Value. Organs:	2,789 \$829,405	2,672 \$321,865	
Number Value	275 \$334, 573	58 \$133, 471	1,77- \$279,94
Pipe Number Value	245 \$330, 373	58 \$133,471	7 \$216, 12
Reed Number Value.	30 \$4,200		1,70 \$03,82
Parts and materials All other products	\$7,276,182 \$1,468,030	\$5,142,812 \$1,106,445	(1) \$2,604,23

1 Not reported separately.

Automobiles, including bodies and parts.—The next table shows the number and value of the different classes of machines manufactured during 1909 and 1904.

During 1909, 8,064 automobiles, valued at \$17,509,-582, were made in the automobile factories of New York, as compared with 1,808 automobiles, valued at

\$3,071,093, in 1904, the number in 1909 being over four times as great and the value nearly six times as great as in 1904. Of the automobiles manufactured in 1909, 7,529, or 93.4 per cent of the total number, were propelled by gasoline, as compared with 1,496, or 82.7 per cent of the total, in 1904. There were 7,447 passenger automobiles made in 1909, of which 5,440 were touring cars, and 617 business vehicles, of which 475 were trucks and 139 were delivery wagons. During the five-year period the number of gasoline automobiles increased 403.3 per cent, while those propelled by electricity and steam increased only 71.5 per cent. The most noteworthy increase in the different classes of vehicles manufactured was in touring cars, which show an increase from 421 in 1904 to 5,440 in 1909. Of the 8,064 automobiles manufactured in 1909, 686 were rated at less than 10 horsepower; 1,410, at 10 but less than 20 horsepower; 1,089, at 20 but less than 30 horsepower; 4,198, at 30 but less than 50 horsepower: 666, at 50 but less than 90 horsepower; and 15, at 90 horsepower or over. Of the 126,593 automobiles made in the United States during 1909 by the establishments engaged primarily in this industry, 6.4 per cent were made in New York.

	1909		1	90£
PRODUCT.	Number.	Value.	Number.	Value.
Total value		1 \$30,979,527		\$4,260,16
Automobiles Gasoline Electric and steam	8,064 7,529 535	17,509,582 16,446,788 1,062,794	1,808 1,496 2312	3,071,093 2,169,093 902,000
Passenger vehicles Touring cars Runabouts and buggies Limousines, cabs, otc All other (omnibuses, patrol	7,447 5,440 1,304 667	$\begin{array}{c} 16,332,669\\ 12,296,292\\ 1,835,659\\ 2,093,020 \end{array}$	1, 650 421 1, 120	2,530,13 1,022,58 1,222,55
Business vehicles. Delivery wagons. Trucks and all other.	139	107, 698 1, 176, 918 282, 989 893, 924	109 158 77 81	285,00 540,95 191,45 349,50
All other products, including repair work		13, 469, 945		1, 189, 07

<sup>1</sup> In addition, 39 automobiles, valued at \$110,108, and bodies and parts, valued at \$527,863, were manufactured by establishments engaged primarily in the manufacture of other commodities. <sup>3</sup> Includes 5 steam fouring cars.

The products included under the head of "All other products" at the census of 1909, the value of which amounted to \$13,469,945, or 43.5 per cent of the total for all products, consisted largely of automobile bodies and parts manufactured by establishments where no finished vehicles were produced. It has been the practice to segregate the manufacture of the different parts to a considerable extent and to distribute the various processes among different establishments. As these partly manufactured products became the materials for other establishments which assemble the parts and produce the complete vehicle, there was a duplication, approximately equivalent to the value of such bodies and parts used in the factories of the state, in the total cost of materials and value of products reported for the industry.

Paint and varnish.—The quantity and value of the different products for 1909, 1904, and 1899 are shown in the following table:

PRODUCT.	1909	1904	1899
Total value	\$28, 559, 474	\$25, 121, 446	\$18, 878, 292
mt-monts!			
White lead, ut y	12,173,520	1 74, 518, 249	1 39, 109, 000
Pounds Value Oxides of lead—	\$639,841	1 \$3,651,795	1 \$547,440
Oridos of load			
Oxides of lead- Pounds	20,180,006 \$1,181,254	15,825,810 \$822,933	12,426,000 \$663,176
Value	\$1,181,254	\$822,933	\$663,176
Pounds. Value. Lamp and other carbon blacks— Pounds.			
Pounds	532,700	27,040	$\begin{pmatrix} 2\\ 2 \end{pmatrix}$
Value. Iron oxides and other earth colors—	\$12,587	\$2,604	6
Founds	11,919,174	9,172,633	15,458,000
	\$190,666	\$64,565	\$121,534
Value Dry colors, including vermilion and	,,	40.000	,
other fine colors-			
Dounde	44,639,112	24,679,202	42, 695, 643
Value	\$2, 595, 124	\$2,654,869	\$2,772,554
Barytes Pounds	1 000 000	· · · · ·	
Pounds	4,393,000	40,000	$\begin{pmatrix} 2\\2 \end{pmatrix}$
Value. Pulp colors sold moist—	\$23,167	\$400	(2)
Pulp colors sold moist— Pounds	14,020,581	14 778 070	19 041 500
Pounds Value	\$672,111	14,776,079 \$593,504	12,941,596 \$580,623
	φ014, 111	@000,004	د ∠ن رن دن س
Paints: White lead in oil			1 · · · •
Pounds	62,973,138	(2)	(2)
Value.	62,973,138 \$3,765,227	(2) (2)	
Value. Pounds Paints in oil, in pasto— Pounds			
Pounds	21,453,365	27, 233, 382 \$2, 273, 822	68,999,820
Value. Paints in oil, already mixed for use-	\$2,274,401	\$2,273,822	\$4,009,897
Paintsin oil, already mixed for use-		ł <sup>-</sup>	
Gallons	3,331,091 \$3,618,181	3,947,600 \$3,412,447	2,922,134 \$2,908,441
Value	\$3,018,181	35,412,447	\$2,908,441
Varnishes and japans:			
Oleoresinous varnishes	5,199,289	5 070 900	4 079 000
Gallons. Value. Spirit varnishes—	\$4,328,544	5,070,390 \$4,173,126	4,928,208 \$4,665,714
Snirii varnishes	420 (040 (24)	wz, 110, 140	w2,000,114
(fallons	253, 266	323, 596	220,705
Gallons	\$306, 681	\$693,670	\$401,428
Pyroxylin varnishes—			
Gallons	372,689	3,669	102,777 \$99,000
Value	372,689 \$422,550 \$1,305,376 \$1,276,148	3,609 \$3,758	\$99,000
All other varnishes Drying japans and lacquers	\$1,305,376	\$149.513	
Drying japans and lacquers	\$1,276,148	\$831,873	\$1,074,113
Liquid fillers:		100	791
Gallons	201,232	188,014	
Value. Paste and dry fillers and putty:	\$189, 561	\$125,385	( <sup>4</sup> )
Pounds	15 000 000	14 584 400	(2)
Paste and or inters and putty. Pounds. Value. Water paints, dry: Beauda	15,096,299 \$420,390	14,584,498 \$390,704	
Water paints. drv:		4000,10±	
Pounds.	25,490.405	23,335,015	(2)
Pounds Value	25,490,405 \$856,159	\$748,391	
T innead oil.		1 '	
Gallons	1,436,964		
Gallons. Value Bleached shellac:	\$781,731	(2)	(2)
Diesoned shellac:	1 100 100	1	(8)
Pounds	1,739,727 \$368,253		
Value	\$308,253	(*)	0
All other products	\$3,331,522	\$4,528,087	\$1,034,372
proutors	@0,001,022	¢≠,040,081	¥1,004,014
10 deda	1	· · ·	<u> </u>

<sup>1</sup>Includes white lead in oil. <sup>2</sup> Not reported separately.

A larger value was reported for oleoresinous varnishes at each of the three censuses than for any other single product presented in the table, though in 1909 the combined value of white lead dry and white lead in oil was slightly greater. The value of this class of varnishes was considerably less in 1909, however, than in 1899, a decrease of 10.6 per cent between 1899 and 1904 having been only partly made up by an increase (3.7 per cent) between 1904 and 1909. The quantity and value of white lead, both dry and in oil, manufactured in New York in 1909 formed 22.6 per cent and 23 per cent, respectively, of the corresponding totals for this product in the United States. Other leading products, in the order of their importance in 1909 as measured by value, were paints in oil, already mixed for use, the pigments classified as dry colors, and paints in oil in paste. Of these five leading products, all except dry colors show a gain from 1904 to

1909 in value of output, and all except the paints in oil show an increase in quantity. The largest absolute increase in value from 1904 to 1909 was that of \$753,273, or 20.6 per cent, in the value of white lead dry and in oil combined, while the most striking increase in quantity was that of 19,959,910 pounds, or \$0.9 per cent, in the output of dry colors. The most pronounced relative increase in quantity was reported for barytes, and in value, for pyroxylin varnishes.

In addition to the various products reported in the preceding table for 1909, paint and varnish to the value of \$806,814 were manufactured as secondary products by 15 establishments included under other classifications. These products consisted mainly of bleached shellac, drying japans and dryers, and paints in oil, ready for use. There were also 43,431,580 pounds of dry white lead, 737,214 gallons of varnish, and 170,249 pounds of lead oxide manufactured and used in further processes of manufacture within the paint and varnish establishments reporting.

During 1909, 36,203 tons of pig lead, valued at \$2,733,997; 46,520 gallons of grain alcohol, valued at \$23,381; and 101,669 gallons of wood alcohol, valued at \$49,906, were used in the manufacture of paint and varnish in the state.

Leather, tanned, curried, and finished.—The quantity and cost of the different kinds of materials used in this industry during the last three census years are shown in the following table:

MATERIAL.	1909	1904	1899
Total cost	\$20,940,733	\$16, 274, 903	\$17, 424, 300
Hides: Number	1,639,467	1,569,750	2,000,132
Cost.	\$10,473,699	\$7,804,223	\$8,969,164
Skins:	<b>v</b> 10, 210, 000	•,,	401000,000
Number	9,781,180	9,962,459	10, 516, 312
Cost	\$6,951,107	\$4,969,796	\$4, 893, 981
Calf and kip—			
Number	2,107,584	1,135,591	1,048,722
Cost	\$2,751,764	\$1,083,158	\$1, 126, 963
Sheep-	6,491,352	7,124,420	6,665,810
Number	\$3,214,723	\$2,708,110	\$1,945,142
Cost All other	¢0,217,(20	100, 110 ومصف	01,010,114
Number	\$ 1,182,244	1,702,448	2,801,780
Cost	\$984,620	\$1,178,528	\$1,821,876
Rough leather, purchased	\$361,413	\$282,738	\$418,080
Sides			
Number	16,934	52,172	• 111,300
Cost	\$83,570	\$180, 147	\$393, 580
All other	277,843	102, 591	24,500
All other materials	\$3, 154, 514	\$3,218,146	\$3,143,075

Hides show a greater increase in cost during the five-year period 1904-1909 than any other of the materials used, namely, \$2,669,476, or 34.2 per cent, but the number used increased only 69,717, or 4.4 per cent. The cost of hides constituted 50 per cent of the total cost of all materials used in 1909, 48 per cent in 1904, and 51.5 per cent in 1899. Eight and nine-tenths per cent of the hides tanned in the United States during 1909 were tanned in New York establishments. The largest relative increase in number from 1904 to 1909 is shown for calf and kip skins, while the largest decrease is shown for sheepskins. The following table shows the quantity and value of the different products of this industry in 1909, 1904, and 1899:

	· · · · · · · · · · · · · · · · · · ·		
PRODUCT.	1909	1904	1899
Total value	\$27, 642, 383	\$21, 642, 945	\$23, 205, 991
Leather	25,859,801 5,933,249	$19,205,208 \\ 4,027,072$	21,883,703 4,055,818
Upper, other than colt, calf, or kip skins Horsehides and colt skins—	\$5, 825, 075	\$4,901,639	\$6,903,779
Number Value. Calf and kip skins, tanned and fin- ished—	91,887 \$285,213	50,019 \$159,998	16 \$76
Number. Value. Gostskins, tanned and finished—	2, 106, 084 \$3, 779, 513	1,122,832 \$1,662,513	990, 213 \$1, 442, 322
Number Value	565,831 \$407,876	1,033,155 \$922,035	1,801,518 \$1,898,957
Sheepskins, tanned and finished— Number Value	3, 469, 260 \$2, 406, 610	4,768,772 \$3,049,763	2,997,036 \$1,360,885
Harness— Sides Value Carriage, automobile, and furni-	237, 198 \$1, 648, 537	184,182 \$995,947	146,341 \$765,500
ture— Hides Value Trunk, bag, and poeketbook Glove Sold in rough. All other	\$851,055 \$376,978	31,637 \$223,025 \$109,834 \$1,218,868 \$536,408 \$1,158,106	9,061 \$57,177 \$379,580 \$1,800,388 \$1,130,248 \$1,428,907
All other products Work on materials for others	\$597,502 \$1,185,080	\$1,320,483 \$1,057,254	\$278,639 \$1,043,650

The value of upper leather (exclusive of colt, calf, and kip skins) constituted a larger proportion of the total value of all products for the industry at the censuses of 1904 and 1899 than that of any other product, but by 1909 sole leather had taken the lead in this respect. For the five-year period 1904-1909, tanned and finished calf and kip skins show the largest relative increase both in number and in value-87.6 per cent and 127.3 per cent, respec-During the same period both the number tively. and the value of the tanned and finished goatskins and sheepskins decreased. In 1909 New York contributed 17.6 per cent of the total number of tanned and finished sheepskins, and 11.1 per cent of the tanned and finished calf and kip skins reported for the United States. In addition to that shown in the above table, leather valued at \$2,357,587 was tanned and curried during 1909 by establishments which used it in further manufacture.

The amount charged for tanning, currying, or finishing for others shows a slight increase both from 1899 to 1904 and from 1904 to 1909. The estimated value, after treatment, of the stock treated on a custom basis for others than tanners, curriers, or finishers during 1909 was \$7,286,944. If this amount be added to the total value of products, \$27,642,383, reported for the industry, less the \$1,185,080 received for work performed, the result, \$33,744,247, will represent fairly the importance of the leather industry in the state.

The statement which follows gives the quantity and estimated value of the products tanned, curried, or

finished by the leather-manufacturing establishments of the state during the years 1909 and 1904 for others who were not tanners, curriers, or finishers:

PRODUCT.	1909	1904
Total estimated value of stock after treat- ment. Tannod: Hidge-	\$7, 286, 944	\$5, 840, 448
Number Estimated value Skins—	18,271 \$169,189	25,652 \$40,836
Number Estimated value Curried or finished;	1,827,426 \$1,637,551	4,130,992 \$2,438,050
Sides		
Number Estimated value Skins—	,	3,785 \$5,647
Number Estimated value	5,001,599 \$5,272,004	4, 346, 862 \$3, 155, 915

The number of hides tanned for others, exclusive of tanners, curriers, and finishers, in 1909 was less than three-fourths the number so treated in 1904, and the number of skins less than one-half the number in 1904. The number of sides, splits, and skins curried or finished, however, increased.

Soap.—The quantity and cost of the principal materials used in the manufacture of soap during 1909 and 1904 are shown in the following table:

MATERIAL.	1909	1904
Total cost Tallow, grease, and other fats: Founds	\$15, 612, 382	\$8, 410, 867
Tallow, grease, and other lats:	98,083,852	105, 415, 189
Cost	\$5,843,965	\$4,133,261
Gallons Cost	1,749,124 \$883,258	907,794 \$406,765
Cottonseed oil: • Gallons	4,237,007 \$1,703,923	1,786,25 \$537,96
Rosin: Pounds Cost	43, 642, 265 \$939, 230	34, 527, 67 \$637, 34
Foots: Pounds Cost.	9,825,800 \$429,904	3, 495, 05 \$139, 48
Caustic soda: Tons. Cost	11,006 \$449,716	13,92 \$569,95
Soda ash: Tons Cost	24,958 \$463,152	12,64 \$236,51
Fuel and rent of power	\$290,146 \$4,609,088	\$179,20 \$1,570,36

Tallow, grease, and other fats, which at both censuses constituted the most important item, as measured by cost, among the materials used, show for the five-year period a decrease of 7,331,337 pounds, or 7 per cent, in quantity, but an increase of \$1,710,704, or 41.4 per cent, in cost. This class of materials represented 37.4 per cent of the cost of all materials used in 1909 and 49.1 per cent in 1904. With the exception of caustic soda, each of the remaining items shows an increase for the five-year period in both quantity and cost. The largest actual increase in cost reported for any class of materials was that of \$3,038,722 for the items included under the head of "All other materials." Cottonseed oil and foots made the most pronounced relative gains in both quantity and cost, the increase in each case amounting to more than 100 per cent in quantity and to more than 200 per cent in value.

The following table gives the quantity and value of hard and soft soap and of glycerin reported for the last two census years, together with the value of the other products reported:

PRODUCT.	1909	1904
Total value	\$23, 582, 977	\$13,401,726
Hard soap: Pounds Value	373, 529, 337 \$18, 094, 061	297, 377, 794 12, 440, 255
Soft soap: Pounds Value	14,607,378 \$171,702	16, 427, 585 \$114, 107
Giyeerin: Pounds Value	8,955,960 \$1,212,606	8, 432, 515 \$383, 885
All other products	\$4, 104, 608	<b>\$</b> 463, 479

The quantity of hard soap, which increased 76,151,-543 pounds, or 25.6 per cent, during the five years covered by the table, represented 21.5 per cent of the total reported for the United States in 1909 by establishments classified as engaged in the soap industry, and 21.9 per cent in 1904. Soft soap, the second largest product in point of quantity, shows a decrease of 1,820,207 pounds, or 11.1 per cent, in this respect, but the value increased materially. Glycerin increased 160.9 per cent in quantity and 215.9 per cent in value. The largest relative gain in value is shown for "All other products," which in 1909 consisted largely of perfumes, paints, flavoring extracts, and baking powders.

, In addition to the products shown in the above table, soap valued at \$181,502 was manufactured during 1909 by 16 establishments which were classified under other industry designations. These products consisted mainly of 1,061,481 pounds of hard soap, of which 729,782 pounds was toilet soap.

Canning and preserving.-It was not until about 1850 that canning and preserving, as a factory industry, assumed commercial prominence. New York was one of the first states in which it was developed, and the growth of the industry in that state has been remarkable. Of the 790 establishments reported in 1909, 674 were engaged primarily in canning and preserving fruits and vegetables; 101 in the manufacture of pickles, preserves, and sauces; and 15 in canning and curing fish.

The quantity and value of the different products for 1909, 1904, and 1899 are shown in the next table.

The case, which is used as the unit of measure, consists of 24 standard-size cans-No. 2 (also called 2-pound cans) for beans, corn, peas, berries, cherries, and plums, and No. 3 (also called 3-pound cans) for all other fruits and vegetables. Where the output of fruits and vegetables has been reported in other forms

by the canneries, the quantities so reported have been reduced to standard cases in the table.

	-		
PRODUCT,	1909	1904	1899
Total value	1 \$19,039,735	2 \$16, 821, 221	\$12,506,329
Canned vegetables: Cases Value	3,455,991 \$6,271,904	3,922,068 \$6,836,451	2,670,275 \$4,410,251
Beans— Cases Value	569, 176 \$1, 024, 065	551,081 \$1,055,253	274, 932 \$448, 314
Corn— Cases	771, 475 \$1, 197, 999	1 444 944	1, 341, 352 \$1, 925, 496
Value Succotash— Cases	68,673	\$2, 272, 682	12,324
Value Peas— Cases	\$174, 119 1, 438, 059	1,509,629	\$27,506 751,535
Value Pumpkin—	\$2,681,366	\$2,598,291	\$1, 473, 912
Cases Value Tomatoes—	103, 127 \$150, 974	45,063 \$72,780	24,769 \$35,370
Cases Value All other—	347, 714 \$657, 375	184,894 \$389,036	254,616 \$483,112
Cases. Value	157, 767 \$386, 006	187,057 \$448,409	10,747 \$16,541
Cases Value	900, 870 \$2, 182, 455	585,264 \$1,207,760	655,261 \$1,347,390
Apples— Cases Value	429, 180 \$753, 231	259,296 \$354,817	320,678 \$560,048
Berries— Cases Value	214, 134 \$596, 130	150,730 \$372,171	155,396 \$321,759
Cherries Cases Value. Peaches	90, 445 \$323, 803	46, 160 \$133, 814	21,207 \$71,881
Cases Value	41, 727 \$141, 142	10,060 \$39,399	29,111 \$72,591
Pears— Cases Value	51,686 \$216,858	51, 309 \$172, 944	58,036 \$226,082
Plums— Cases Value	52, 853 \$76, 449	41, 195 \$58, 839	70,800 \$94,879
All other— Cases . Value	20, 845 \$74, 842	26,514 \$75,776	33 \$150
Dried fruits: Pounds. Value.	33,722,573 \$2,346,875	31,543,381 \$1,346,040	21, 542, 897 \$1, 275, 109
Apples— Pounds. Value	33, 052, 115 \$2, 333, 137	31,458,702 \$1,331,895	21,542,897 \$1,275,109
All other— Pounds.	70.458	84,679	
Value Fish: Pounds	\$13, 738 6, 873, 885	\$14, 145 6, 381, 124	<b>3</b> , 644, 310
Value Canned fish, all kinds— Pounds.	\$1, 179, 700	\$\$96,342	\$175,392 166,896
Value Smoked fish	121,250 \$75,777	\$37,826	\$23,025
Pounds Value Herring—	4,180,092 \$780,103	4,623,080 \$777,859	2,309,600 \$101,082
Pounds Value Salmon—	335, 800 \$29, 026	466,000 \$34,534	1, 694, 009 \$17, 040
Pounds Value	2, 595, 614 \$486, 910	1,880,600 \$319,620	97,000 \$13,900
Sturgeon Pounds Value	498,237 \$152,286	1,523,500 \$332,350	454,000 \$66,110
All other— Pounds Value.	750, 441 \$111, 881	752,980 \$91,355	64,600 \$4,032
Salted fish— Pounds Value	2, 572, 537	1,350,148 \$80,657	1, 167, 814 \$51, 285
Herring— Pounds	693,786	812,830 \$37,757	1,046,600 \$42,500
Value All other— Pounds Value			121,214
Value All other products	\$229,139 \$7,058,801	1	\$8.785 \$5,298,187
-		1 1 1	1

<sup>1</sup> Doesnot include canned vegetables to the value of \$70,458, dried fruit to the value of \$28,271, and salted fish to the value of \$2,195, reported by establishments engaged primarily in industries other than canning and preserving. <sup>2</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations. operations

With the exception of canned vegetables, each of the main groups of products shows a substantial gain from 1904 to 1909 both in quantity and in value. The output of canned vegetables, which constitute the most important group, as measured by value, shows a decrease of 466,077 cases, or 11.9 per cent, in quantity and \$564,547, or 8.3 per cent, in value. Measured by value, the most important single product in 1909 was canned peas, the value of which formed 14.1 per cent of the aggregate value of all products. The value of each of the vegetable products shown separately, with the exception of beans and corn, increased from 1904 to 1909. The fruits included under the head of "All other" were the only canned fruits to show a decrease in either quantity or value in 1909 as compared with 1904, while the largest absolute increase in each item was reported for apples.

Dried apples show an increase of 2,193,413 pounds, or 7 per cent, in quantity and \$1,001,242, or 75.2 per cent, in value from 1904 to 1909. The production of dried apples in New York during 1909 represented 75.5 per cent of the total output of this product for the United States and 75.3 per cent of its value.

The quantity of smoked fish decreased during the five-year period 1904-1909, owing chiefly to the decided decrease of 1,025,263 pounds in smoked sturgeon. More salmon was smoked in 1909 than any other variety of fish. The increase in the quantity and value of salted fish from 1904 to 1909 is noteworthy.

New York ranked first among the states of the Union in 1909 in the output of dried and of canned apples, second in that of canned peas, third in that of canned beans, and sixth in that of canned corn.

Agricultural implements.—Although the fiftieth industry in the state when measured by value of products, this industry is of considerable interest owing to the importance of agriculture in New York. The following table gives the value of the different general groups of implements manufactured during 1909, 1904, and 1899:

PRODUCT.	1909	1904	1899
Total value. Implements of cultivation. Seeders and planters. Harvesting implements. Seed separators. All other products, including amount received for repair work	\$14,970,980 3,348,203 247,357 5,050,777 700,494 4,634,149	\$13,045,891 2,545,947 1,800,182 5,841,389 401,814 2,390,559	\$10, 537, 254 10, 071, 310 405, 944

Harvesting implements formed the most important single group, as measured by value, in 1909 and 1904, and represented 39.7 per cent and 44.8 per cent of the totals for the respective census years. With the exception of seeders and planters, each of the different groups shows an increase in value for the five-year period, the largest being for the items included under the head of "All other products," which nearly doubled in value.

Gloves and mittens, leather.—The next table shows the number of pairs and the value of the different kinds of leather gloves, mittens, and gauntlets manufactured in New York in 1909, 1904, and 1899.

Although the number of pairs of gloves, mittens, and gauntlets manufactured decreased slightly from 1904 to 1909, their value increased \$4,328,565, or 44,2 per cent, owing largely to a general rise in prices. The output of men's unlined gloves, mittens, and gauntlets, which formed the most important single class at each of the last three censuses, shows a decrease from 1904 to 1909 of 74,509 dozen pairs, or 8.4 per cent, although its value shows an increase of \$2,351,406, or 54.1 per cent. The output of women's and children's unlined gloves, mittens, and gauntlets, the class second in importance in 1909, increased 181,472 dozen pairs, or 124.7 per cent, and its value \$2,085,202, or 180.3 per cent, during the same period. Of the total output of men's gloves, mittens, and gauntlets reported in 1909, 63.7 per cent, representing 70 per cent of the value, were unlined, the corresponding percentages for women's and children's gloves, mittens, and gauntlets being 57.3 and 71.2. respectively.

PRODUCT.	1909	1904	1899
Total value	\$14,336,365	\$9, 948, 443	\$10, 854, 221
Dozen pairs Value Men's	1,850,438 \$14,122,640	1,881,194 \$9,794,075	1 1,721,831 \$10,507,789
Dozen pairs Value Lined—	1, 279, 560 \$9, 568, 409	1,563,366 \$7,810,971	1,280,595 \$7,731,868
Dozen pairs Value	404,817 \$2,808,551	674,114 \$3,462,519	643,440 \$3,547,825
Unlined— Dozen pairs. Value	814, 743 \$6, 699, 858	888,252 \$4,348,452	637, 155 \$4, 184, 043
Women's and children's— Dozen pairs Value	570, 878 \$4, 554, 231	317,828 \$1,983,104	424, 142 \$2, 672, 995
Lined— Dozen pairs. Value.		172, 283 \$826, 892	193, 540 \$1, 015, 744
Unlined— Dozen pairs Value	327,017 \$3,241,414	145,545 \$1,156,212	230,602 \$1,657,251
All other products	\$213,725	\$152,368	\$346, 432
		1	

<sup>1</sup> Includes 17,094 dozen pairs of gauntlets, valued at \$102,826, not distributed by kinds.

The following table gives, for 1909, a more detailed classification, showing for each class the total value of the output and the number of pairs made from the different kinds of leather:

		DOZEN PAIRS.			DOZEN PAIRS		
PRODUCT.	Value.	Total.	Lamb or sheep skin.	Kid.	All other.		
Total value Gloves, mittens, and gauntlets Dress Unlined Women's and children's- Lined Working Men's- Lined Unlined Unlined Durised Unided Unided Unided	\$14, 336, 366 14, 122, 640 11, 418, 955 1, 981, 224 5, 405, 600 930, 064 3, 092, 977 2, 703, 685 887, 327 1, 294, 168 373, 753 148, 437	1,850,438 1,287,618 282,069 575,097 142,511 287,941 562,820 182,748 239,646 101,350 39,076	1, 408, 620 1, 046, 054 198, 349 485, 841 118, 039 243, 825 301, 906 121, 592 129, 735 80, 310 30, 329	67, 399 66, 404 4, 609 31, 197 2, 956 27, 702 935 	374, 419 174, 500 70, 111 558, 559 20, 916 16, 414 199, 919 61, 156 108, 976 21, 040 8, 747		
All other products	213, 725						

Of the total output of leather gloves, mittens, and gauntlets in 1909, 76.1 per cent were manufactured from lambskin or sheepskin, 3.6 per cent from kid, and 20.2 per cent from other kinds of leather. Of the dress gloves, about 80 per cent were lambskin or sheepskin, and about 5 per cent were kid, while of the working gloves, mittens, and gauntlets nearly two-thirds were sheepskin or lambskin, less than 1 per cent were kid, and the remainder were made of other kinds of leather.

Carriages and wagons and materials.—The number and value of the different kinds of horse-drawn vehicles manufactured during the census years 1909, 1904, and 1899 are shown in the following table:

PRODUCT.	1909	1904	1899
Total value	\$13, 292, 531	\$14, 643, 510	\$14, 002, 904
Carriages (family and pleasure):	25,474	42,249	58,176
Number Value	\$2,344,487	\$4,550,893	\$4,939,609
Verone*		1-10-07-01-0	2-,000,000
Number	21,937	19,879	22,775
Value	\$2,932,813	\$2,448,670	\$2,186,935
Business-			(21)
Number	17,747	12,797	(1) (1)
Value	\$2,605,589	(1)	(1)
Farm	4,026	6, 999	(I)
Value	\$253,942	(1) (1)	
Government, municipal, etc			.,
Number	164	83	· (1)
Value	\$73,282	(1)	° (1)
Public conveyances: Number	010	- 10	050
Number	219 \$187,936	742 \$518,469	656 \$489,142
Value Sleighs and sleds:	000 1016	\$010,408	\$450,144
Number	10.823	19,433	14,500
	\$349,643	\$592,768	\$412,075
All other products, including parts and			
repair work	\$7,477,652	\$6, 532, 710	\$5, 975, 143

<sup>1</sup> Not reported separately.

In view of the extraordinary development of the automobile industry, particularly during the last five years, it is but natural that the output of horse-drawn vehicles should decrease materially. In 1899, 96,107 such conveyances were manufactured in New York by the carriage and wagon establishments reported, but the number had decreased to 82,303 in 1904, and to 58,453 in 1909. The value of the vehicles made, however, increased 1 per cent from 1899 to 1904, although from 1904 to 1909 it decreased 28.3 per cent. During the five-year period 1904-1909 the only kinds of vehicles showing an increase in number were business wagons and government and municipal wagons, while the largest decrease was in the number of family and pleasure carriages. The number of sleighs and sleds made decreased 8,610 and their value \$243,125 during the same period. In point of numbers, family and pleasure carriages were the most important of the different classes, but their value in 1909 was exceeded by that reported for business wagons.

Shipbuilding, including boat building.—This classification includes the operations of shipyards building or repairing steel and wooden steam, sail, or unrigged vessels, yachts, motor boats, rowboats, and canoes, and the manufacture of masts, spars, oars, and rigging. The number and gross tonnage of the different classes of vessels launched in 1909, 1904, and 1899 are shown in the following statement:

	1	909	1	1904	1	1899	
PRODUCT.	Num- ber.	Gross tonnage.	Num- ber,	Gross tonnage.	Num- ber.	Gross tonnage.	
Vessels of 5 gross tons and over launched during the year	309 16 7 293 23 76 15 179 790	60, 152, 7, 332 3, 963 100 52, 820 3, 565 1, 190 678 47, 387	361 24 16  337 86 61 27 210 453	$104, 495 \\ 14, 068 \\ 8, 573 \\ 4, 695 \\ 800 \\ 90, 427 \\ 5, 759 \\ 708 \\ 451 \\ 83, 511 \\ 83, 511$	393 17 14  376 87  85 204 552	86,310 11,084 7,582 75,226 4,817 1,400 69,009	

The foregoing table shows that the total gross tonnage as well as the average gross tonnage of the vessels launched, not including power boats of less than 5 tons gross register, was greater in 1904 than in either 1909 or 1899, and that the total number of vessels launched was smaller in each succeeding census year, the decrease being principally in the number of wooden vessels. Increases from 1904 to 1909 are shown for the number of steel motor and unrigged vessels and for wooden motor boats. A considerable increase is also shown in the number of power boats of less than 5 tons gross register during the same period.

The value of the work done upon vessels and boats of all kinds during 1909, 1904, and 1899 is shown in the following table:

CLASS OF WORK.	1909	1904	1899
Total value. Work dong during the year on new ves-	\$11, 417, 189	\$11,265,303	\$8, 647, 371
vessels of 5 gross tons and over	$3,977,934 \\ 3,294,121$	4,181,772 3,607,085	3,281,815 2,627,113
Boats of less than 5 gross tons		574,687 378,635	654,702 454,643
Sailboats, rowboats, scows, etc Repair work	259,543 6,931,117 508,138	196,052 6,726,959 356,572	200,059 4,857,916 507,640

Increases are shown for the decade 1899-1909 for all of the items presented in the table, with the exception of the value of the work done on power boats of less than 5 tons gross register. From 1904 to 1909 there was an increase in every item except the value of work done on new vessels of 5 tons gross register and over, which shows a decrease of 8.7 per cent.

The statistics presented in the two preceding tables do not include those for the United States navy yard in Brooklyn, which launched 5 steam cutters having a total displacement of 68 tons, and did work upon 1 steel vessel of 21,825 tons displacement and 6 small boats having a total displacement of 21 tons, and various repair work, the whole aggregating \$7,032,416 in value. Wire.—This classification includes only those mills which draw wire from purchased wire rods. The figures for the wire departments of rolling mills which roll the wire rods, which would otherwise be presented in a supplementary note, can not be shown without disclosing the operations of individual establishments. The tonnage and cost of the principal materials used in 1909 were as follows:

MATERIAL.	1909	
Total cost. Wire rods:	\$7, 823, 518	
Steel Tons. Cost.	14,850 \$561,362	
Copper— Tons. Cost. Other metal (iron, brass, etc.)—	22,195 \$6,285,465	
Tons. Cost. Purchased wire:	367 \$62,150	
Tons. Cost.	249 \$77,875	
Fuel. All other materials.	\$185,851 \$650,815	

Comparative figures for 1904 and 1899 are not available. A total of 37,412 tons (2,000 pounds) of wire rods, costing \$6,908,977, were used, copper rods contributing 59.3 per cent of the tonnage and 91 per cent of the cost.

The tonnage and value of the main products reported for the industry in 1909 were as follows:

FRODUCT.	1909	
Total value. Wire and manufactures of wire:	\$10,065,431	
Steei and iron Tons Value Wire drawn for sale Tons Value Manufactures of wire, nails, woven wire, rope, etc	14,632 \$1,893,995 12,151 \$1,838,220	
Tons. Value. Copper wire-	2,481 \$555,775	
Tons	22,376 \$7,653,209	
Tons. Value.	819 \$175,593	
All other products	\$342, 034	

Of the total quantity of wire and manufactures of wire shown in the above table, 59.9 per cent was copper, 39.2 per cent was iron and steel, and ninetenths of 1 per cent was made from other metals. Of the total value of wire products, \$9,722,797, the proportions contributed by each class were 78.7 per cent, 19.5 per cent, and 1.8 per cent, respectively. The seven wire mills in the state in 1909 reported 703 wiredrawing blocks, with an annual capacity of 39,519 tons.

Laundries.—Statistics for steam laundries are not included in the general tables or in the totals for manufacturing industries. There were 508 such establishments in the state of New York in 1909, of which 126 were in New York City; 25 in Buffalo; 23 in Syracuse; 16 in Rochester; 15 in Troy; 12 in Utica; 10 each in Albany, Binghamton, and Poughkeepsie; 7 each in Auburn, Schenectady, and Watertown; 6 each in Elmira and Jamestown; and 5 in Oswego. No other incorporated place had as many as 5 steam laundries.

The following statement summarizes the statistics;

Number of establishments	
Persons engaged in the industry	
Proprietors and firm members.	
Salaried employees	
Wage earners (average number)	
Primary horsenergy	12,578
Primary horsepower	
Capital	07 07 0
Capital	\$7, 316, 808
Expenses	ATT 091 0
Expenses	9, 483, 116
Expenses. Services. Materials	9, 483, 116 6, 081, 311 1, 856, 709
Expenses. Services. Materials. Miscellaneous.	9, 483, 116 6, 081, 311 1, 856, 703 1, 545, 102
Expenses	9, 483, 116 6, 081, 311 1, 856, 703 1, 545, 102

The most common form of ownership was the individual, with 292 establishments. The firm and corporate forms of ownership were represented by 105 and 1.11 establishments, respectively. One hundred and forty-five establishments had receipts for the year's business of less than \$5,000; 222, receipts of \$5,000 but less than \$20,000; 119, receipts of \$20,000 but less than \$100,000; and 22, receipts of \$100,000 or over.

The number of wage earners employed each month and the percentage which this number represented of the greatest number employed in any month were as follows:

	WAGE EA	RNERS.		WAGE EARNERS	
MONTH.	Number.	Per cent of maxi- mum.	MONTH.	Number.	Percent of maxi- mum,
January February Maroh. April. May June.	12, 129 12, 160 12, 107 12, 155 12, 812 12, 702	93.0 93.2 92.8 93.2 94.4 97.4	July August September October November December	12,782	99. 100. 98. 98. 97. 98.

The different kinds of primary power, the number of engines or motors, and the horsepower used in 1909 are shown in the following tabular statement:

KIND.	Number of en- gines or motors.	Horse- power.
Primary power, total		12,63
Dwided: Steam	321	9,61 52
Gas. Water wheels Water motors		51
Rented: Electric	260	1,43 99
Other		98

The kind and amount of fuel used are shown below:

KIND.	Unit.	Quantity.
Anthracite coal Biuminous coal Coke Wood	Cords	63,770 29,547 2,842 796 618 106,760

Custom sawmills and gristmills.—Statistics for custom sawmills and gristmills are not included in the general tables or in the totals for manufacturing industries, but are presented in the next summary.

53063°—12—54

	Custom sawmills.	Custom gristmills.
Number of establishments. Persons engaged in the Industry. Proprietors and firm members. Salaried employees. Wage earners (average number). Primary horsepower.	452 243 3 206	403 628 462 4 162 14,078
Capital Expenses Services Materials Miscellaneous Value of products	99,303 76,613 7,090	\$1,278,100 2,853,010 69,104 12,745,335 38,571 13,246 948

<sup>1</sup> Includes estimate of all grain ground. A similar estimate for the value of lumber sawed by oustom sawmilis is impracticable.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899.

#### THE STATE-ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

			PERSON	S ENGAG	ED IN INI	DUSTRY.							
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem-	Salarieci employ- ees.	Wage carners (average number).	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture.
		 		bers.						Expressed	in thousand	ds.	
STATE-All industries	1909 1904 1899	44,935 37,194 35,957	1,203,241 996,725	47, 569 41, 766	151,691 98,012 68,030	1,003,981 856,947 726,909	1,997,662 1,516,592 1,099,931	\$2,779,497 2,031,460 1,523,503	\$186,032 111,145 76,740	\$557,231 430,015 337,324	\$1,856,904 1,348,603 1,018,377	\$3,369,490 2,488,346 1,871,831	\$1,512,586 1,139,743
Agricultural implements	1909 1904 1899	57 75 87	6,851 7,279 6,290	41 06 80	1,093 934 659	5,717 6,279 5,551	10,744 12,019 8,228	26,109 23,436 20,116	1,012 809 676	3,270 3,241 2,797	6,415 5,678 4,825	24,971 13,046 10,537	853,454 8,556 7,368 5,712
Artificial flowers and feathers and plumes.	1909 1904 1899	319 149 157	9,813 3,740 4,477	417 205 229	903 210 220	8,493 3,325 4,019	215 106 80	7,982 1,865 2,981	1,025 175 227	8,452 1,102 1,257	12,258 1,463 2,199	21,162 3,997 5,016	8,904 2,534
Artificial stone	1909 1904 1 1899	176 26	967 656	185 20	71 54	711 582	1,122 688	1,429 629	60 71	390 364	523 282	1,357 930	2,817 834 648
Automobiles, including bodies and parts.	1909 1904 1899	$113 \\ 35 \\ 15$	11,610 2,101	59 21	$1,690 \\ 231 \\ 56$	9,861 1,849 288	9,398 1,254	25,102 3,347 639	1,604 231 57	7,016 1,227 166	14,908 1,907 173	30, 980 4, 260 456	16,072 2,353 283
Babbitt metal and solder	1909 1904 1899	24 15 11	849 219 251	18 27 19	139 64 29	192 128 203	191 84	1,918 1,110 1,198	181 68 33	149 86 116	5,071 4,307 2,719	6,123 4,966 3,077	1,052 659
Bags, other than paper	1909 1904 1899	21 17 18	1,127 797 714	14 15 17	$     \begin{array}{c}       113 \\       60 \\       52     \end{array} $	$1,000 \\ 722 \\ 645$	751 416	1,888 867 678	149 83 111	330 230 204	4,116 3,012 1,698	4,986 3,648 2,250	358 870 636 552
Bags, paper	1909 1904 1899	20 12 16	1,157 604	12 9	113 60 65	1,032 535 508	1,046 369	$3,281 \\ 4,774 \\ 1,787$	264 111 80	426 215 159	3,033 1,792 1,119	5,613 2,858 1,695	1,680 1,006 570
Baskets, and rattan and willow ware	1909 1904 1899	169 194 180	1,486 1,851 1,298	179 217 208	70 65 31	$1,237 \\ 1,569 \\ 1,059$	1,882 1,967	1,181 1,119 693	62 56 23	583 587 314	820 651 416	1,947 1,949 1,002	1,127 1,298 586
Belting and hose, leather	1909 1904 1899	28 25 21	924 997 693	22 22 18	298 216 117	604 759 558	1,988 908	4,442 3,669 2,363	365 287 134	395 424 320	4,101 3,764 2,400	6,420 5,749 3,293	2, 319 1, 985 893
Bicycles, motorcycles, and parts	1909 1904 1899	20 32 66	636 406 2,427	15 28 57	63 28 267	558 410 2,103	406 612	853 658 3,327	74 26 216	345 206 988	522 347 1,856	1,165 759 3,842	643 412 1,986
Blacking and cleansing and polishing preparations.	1909 1904 1899	88 65 58	1,188 826 745	58 50 67	472 223 181	658 553 497	539 565	2,232 1,260 904	561 280 222	297 214 206	1,827 1,418 948	3,836 2,719 1,913	2,009 1,301 965
Boots and shoes, including cut stock and findings.	1909 1904 1899	296 259 320	23,815 18,776 18,167	293 202 376	1,895 1,066 1,136	21,627 17,418 16,655	10,456 6,571	26,048 15,571 12,959	2,254 1,032 1,067	10,669 7,873 6,431	28,975 22,400 17,309	48,186 37,521 28,117	19,211 15,121 10,808
Boxes, cigar	1909 1904 1899	56 57 66	1,725 1,994 1,331	67 68 76	127 115 57	1,531 1,811 1,198	1,180 1,377	1,129 1,134 801	151 132 51	659 754 453	1,126 1,107 760	2,234 2,344 1,537	1,108 1,237 777
Boxes, fancy and paper	1909 1904 1899	315 260 246	12,702 11,821 9,025	851 296 311	813 814 438	11,538 10,711 8,276	4,677 8,573	8,072 6,894 3,725	924 818 365	4, 261 3, 584 2, 617	6,113 5,562 3,347	14,234 12,748 8,380	8,121 7,186 5,033
Brass and bronze products	1909 1904 1899	247 2 184 172	7, 596 4, 477	218 207	727 388 229	6,651 3,882 3,456	13,397 3,694	16,591 6,442 6,180	1,024 428 275	3,951 2,088 1,728	13,139 3,808 5,539	22,184 8,045 9,327	9,045 4,177 3,788
Bread and other bakery products	1909 1904 1899	3,978 3,164 3,000	29, 039 22, 505 19, 803	4,212 3,362 3,168	3,470 1,435 2,081	21,357 17,708 14,554	10,319 6,265	38,573 24,551 19,434	2,727 1,099 1,473	13,881 10,172 7,414	52,738 36,380 23,558	86,233 61,034 43,051	33, 495 24, 645
Brick and tile	1909 1904 1899	205 192 217	8,630 7,193 7,178	212 213 258	338 243 183	8,080 6,737 6,737	28,734 19,090 18,107	13,864 10,954 8,741	406 281 167	3,958 3,161 2,765	1,717 1,368 1,109	8,433 7,430 5,684	6,716 6,062
Brooms and brushes	1909 1904 1899	171 176 170	3,419 3,639 3,084	185 207 224	337 250 212	2,897 3,182 2,648	1,630 1,310	3,926 3,308 2,718	406 233 166	1,326 1,220 1,021	3,180 2,849 2,266	6,290 5,402 4,335	3,110 2,553
Butter, cheese, and condensed milk	1909 1904 1899	1,552 1,766 1,908	4,930 4,804 4,438	1,483 1,721 1,772	581 215 227	2,866 2,868 2,439	16,629 14,322 13,905	12,216 9,066 7,084	507 192 122	1,607 1,485 1,157	36,161 26,793 22,487	42,458 31,048 26,558	6,297 4,255
Buttons	1909 1904 1899	165 61 49	6,877 3,638 - 2,800	206 68 48	545 333 105	6,126 3,237 2,647	3,911 1,571	6,367 2,034	647 284 83	2,462 1,068 813	4,168 1,488 943	9,373 3,849 2,371	5,205 2,361
Candles		98	420 392	45	69 47	2,047 347 840	993 147 171	1,195 1,170 1,331	106 67	136 128	1,099 933	1,670 1,332	571
Canning and preserving		790 2 666 604	8,818 9,171	879 750	864 625 457	7,075 7,796 6,384	12, 469 9, 741	15,825 12,822 8 150	916 652 411	2,563 2,409 1,791	11,669 9,829 7,735	19,040 16,821 12,506	6,992
Carpets and rugs, other than rag		16 12 12	12,272 11,354 8,795	11 8 3	363 269	11,898 11,077 8,603	11,901 10,151 7,783	8,159 27,528 19,830 12,870	411 686 328 250	5,870 4,567 3,308	13,315	25,606	12,291 8,271
<sup>1</sup> Not reported sepa:	rately.						,	t. to avoid c					

<sup>2</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations.

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSON	S ENGAGI	ED IN IND	USTRY.					<u> </u>	1	1
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prictors and firm mem-	Salaried employ- ees.	Wage earners (average num-	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture.
				bers.		ber).			E	xpressed	in thousan	ds.	
STATE-Continued.	1909	810	<b>T</b> 000										<u>_</u>
Carriages and wagons and materials	1904 1899	610 635 784	7,383 9,234	693 756	524 587 505	6,116 7,891 7,490	10,029 8,524	\$14,576 15,896 14,647	\$731 716 539	\$3, 740 4, 406 4, 009	\$5,809 6,201 5,913	\$13,293 14,644 14,003	\$7,484 8,443 8,090
Cars and general shop construction and repairs by steam-railroad com- panies.	1909 1904 1899	69 65 82	18,003 15,163 13,505		1,549 991 443	16,454 14,172 13,062	21,423 8,216 6,593	$15,264 \\ 11,652 \\ 11,245$	1,242 836 345	9,802 7,997 6,763	10,088 8,778 8,880	21,726 17,886 16,195	11,638 9,108 7,315
Cars and general shop construction and repairs by street-railroad com- panies.	1909 1904 1899	62 14 17	4,767 3,879 2,606		$287 \\ 169 \\ 47$	4,480 3,710 2,559	4,367 1,170	$11,304 \\ 4,975 \\ 6,242$	282 168 52	2,832 2,261 1,801	3,180 1,298 1,528	6,640 3,880 3,515	3,460 2,582 1,987
Cars, steam-railroad, not including operations of railroad companies.	1909 1904 1899	4 4 4	2, 581 1, 738 2, 183	· · · · · · · · · · · · · · · · · · ·	$194 \\ 136 \\ 92$	2,387 1,602 2,091	$3,345 \\ 2,470 \\ 3,060$	5,459 2,891 4,209	209 142 76	1, 577 984	3, 426 2, 755	5, 940 4, 251	2,514 1,496
Cement	1909 1904 11899	15 26	1, 573 2, 384	14 10	116 155	1, 443 2, 219	24, 385 22, 689	10,168 11,373	167 221	1,039 810 1,133	3,745 800 1,014	5, 228 2, 409 3, 136	1, 483 1, 609 2, 122
Chemicals	1909 1904 1899	74 03 92	6,869 5,845 5,057	19 30 23	1,104 848 503	5,740 4,967 4,531	116, 197 66, 649 33, 950	46, 405 23, 149 22, 106	1,623 1,274 719	3, 376 2, 678 2, 303	19,709 12,958 8,670	35, 346 23, 022 15, 994	15,637 10,064 7,324
Chocolate and cocoa products	1909 1904 1809	10 10 11	977 917 785	3 10 15	219 134 151	755 773 619	2,030 1,727	$3,088 \\ 2,361 \\ 1,263$	358 167 164	294 259 197	4,167 2,673 1,956	5, 823 4, 077	$1,656 \\ 1,404$
Clocks and watches, including cases and materials.	1909 1904 1809	27 24 2 27	2, 854 2, 330 2, 869	11 19 17	376 147 131	2, 467 2, 164 2, 721	1,311 1,168	8,044 5,567 5,147	632 235 198	1,385 1,038 1,146	2, 281 2, 235 2, 932	2,715 6,184 4,121	759 3,903 1,886 2,004
Cloth, sponging and refinishing	1909 1904 1899	25 32 26	4729 618 404	32 43 34	93 44 26	604 531 344	329 169	363 221 120	90 40 21	417 359	60 26	4,936 1,030 749	970 723
Clothing, men's, including shirts	1909 1904 1899	2, 983 2, 402 2, 784	104, 567 73, 576	4, 218 8, 349	8,986 5,575 4,338	91, 303 64, 652 54, 458	13,821 7,826	119, 421 72, 170 60, 733	10,949 0,018 4,478	180 48,073 29,723 24,160	11 135, 327 94, 861 75, 057	384 266,075 187,409 148,844	373 130, 748 92, 548 73, 787
Clothing, women's	1909 1904 1899	$3,083 \\ 2,210 \\ 1,673$	114,925 84,057 55,335	4, 413 3, 303 2, 466	12,408 7,054 4,152	98,104 74,300 48,717	12,379 6,567 3,914	84, 213 47, 008 29, 283	13,409 6,474 4,098	54,841 35,756 21,988	148,142 91,705 56,848	272, 518 173, 548 106, 892	124, 376 81, 843 50, 044
Coffee and spice, roasting and grind- ing.	1909 1904 1899	90 83 87	2,394 2,259 2,239	101 104 143	774 513 555	1,519 1,642 1,541	4,064 4,308	6,829 10,853 9,406	816 599 612	726 831 711	12,654 22,711 18,131	17,430 26,995 22,471	4, 776 4, 284 4, 340
Coffins, burial cases, and undertakers' goods.	1909 1904 1899	34 29 31	1,556 1,586 1,451	27 26 22	294 237 179	1,235 1,323 1,250	1, 813 1, 729	3,880 3,159 2,444	327 278 197	665 691 626	2,071 1,885 1,303	3,785 3,677 2,701	1, 714 1, 792 1, 398
Confectionery	1909 1904 1899	249 199 153	10,116 8,219	237 225	1,309 820 700	8,570 7,168 5,675	7,966 5,031	11,702 8,712 5,512	1,580 908 726	3,079 2,495 1,910	15,644 10,563 8,186	25, 540 18, 237 13, 611	9,896 7,674 5,425
Cooperage and wooden goods, not elsewhere specified.	1909 1904 1899	364 343 318	8,164 3,739	415 394	138 116 67	2,611 8,229 2,904	4,278 5,180	6,534 4,856 4,263	151 149 80	1,222 1,520 1,348	4, 930 4, 814 3, 372	7,526 7,499 5,650	2, 596 2, 685 2, 278
Copper, tin, and sheet-iron products	1909 1904 1899	086 495 475	17,153 14,725	663 572	1,801 1,011 667	14,689 13,142 9,965	13,108 6,799	37, 503 29, 603 12, 846	2,067 1,303 697	8,384 6,724 4,851	21,035 13,609 9,223	38,452 27,314 19,287	17,417 13,705 10,064
Cordage and twine and jute and linen goods.	1909 1904 1899	16 20 22	0,230 7,025	9 8	269 275 148	5,952 6,742 5,450	15,056 16,060	15,777 14,416 10,312	375 412 306	2,164 2,417 1,714	7,589 10,608	12, 215 15, 866 11, 675	4,626 5,258
Cordials and sirups	1909 1904 1899	38 20 10	498 232 99	36 24 12	163 29 25	294 179 62	453 413	1,524 573 188	273 60 31	151 67	7,516 1,490 684	2, 513 1, 105	4,159 1,023 421 141
Cork, cutting	1909 1904 1899	32 19 24	928 540 211	29 21 25	64 23 19	835 496	692 173	979 335 229	75 31	21 313 135	166 1,170 350	307 1,817 670	647 320 176
Corsets	1909 1904 1899	47 35 37	2,787 1,282	46 38	305 120	167 2,436 1,124	523 214	2,351 876	17 383 95	66 1,008 378	291 2, 484 617	467 5,161 1,675	2,677 1,058
Cotton goods, including cotton small wares.	1909 1904 1899	47 33 52	11,032 9,031 9,504	23 13 47	89 346 218 198	1,186 10,663 8,800 9,250	33, 354 25, 812	770 23,137 18,474	107 592 314	344 4,166 3,071	739 11,726 8,645	1,604 20,352 13,434	865 8,626 4,789 5,070
Cutlery and tools, not elsewhere speci- fied.	1909 1904 1899	161 161 130	5,070 3,960	152 189	440 265 158	9,259 4,478 3,506 2,106	24,044 6,571 6,642	15,060 6,841 4,541	263 518 295	2,746 2,434 1,784	5,718 1,853 1,255	10,788 6,218 4,579	5,070 4,365 3,324
Dairymen's, poulterers', and apiar- lsts' supplies.	1909 1904	31 31	1,250 1,147	30 29	418 203	2,106 802 915	1,214 1,115	3,976 4,788 2,283	131 539 152	971 449 429	778 1,285 1,272	2, 518 4, 213 2, 510	1,740 2,928 1,238
Dentists' materials	1899 . 1909 1904 1899	15 21 11	379 922 178	10 19 14	103 136 53	266 767 111	221 609	2,258 1,844 244	158 178 50	147 450 52	4,577 2,721 366	5,114 3,649 603	537 928 237

<sup>1</sup> Not reported separately.

<sup>2</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations.

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSO	NS ENGA	GED IN IN	DUSTRY.							
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem-	Salaried employ- ees.	Wage earners (average num-	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture.
				bers.		ber).			E	xpressed	in thousand	ds.	
STATE-Continued.													
Dyeing and finishing textiles	1909 1904 1899	81 55 42	5,782 3,850 3,274	68 60 50	462 204 107	5,252 3,586 3,117	8,750 7,128 6,885	\$11,259 7,530 6,231	\$765 258 134	\$2,321 1,578 1,425	\$4,139 1,339 1,402	\$9,673 4,302 3,626	\$5,534 3,023 2,224
Dyestuffs and extracts	1909 1904 1899	18 9 19	579 616 623	7 4 7	154 93 78	418 519 538	3, 647 2, 353	4,145 3,547 2,548	$     \begin{array}{r}       264 \\       148 \\       92     \end{array} $	260 317 301	2,867 1,652 1,264	4,505 2,706 2,112	1,638 1,054 848
Electrical machinery, apparatus, and supplies.	1909 1904 1899	217 175 134	22, 819 18, 064 11, 594	95 95 111	3,752 1,668 1,113	18, 972 16, 301 10, 370	53,813 33,059 11,049	60, 427 30, 643 17, 697	4,552 1,730 904	$12,479 \\ 9,287 \\ 5,667$	27, 483 17, 846 12, 539	49, 290 35, 348 22, 695	21,807 17,502 10,156
Electroplating	1909 1904 1899	130 106 99	878 895	155 132	71 46 41	652 717 758	842 697	450 413 602	50 53 34	421 409 362	242 364 403	1,116 1,185 1,150	874 821 747
Emery and other abrasive wheels	1909 1904 1899	10 3 3	894 44 17	3 1 1	172 15	719 28 16	960 148	2, 414 123 45	253 13	385 8 11	1,080 20 36	2,561 74 74	1,481 54 38
Fancy articles, not elsewhere speci- fied.	1909 1904 1899	182 145 195	4, 234 3, 282 2, 050	190 184 254	614 243 292	3, 430 2, 855 2, 404	2,785 1,048	6,370 2,523 2,371	702 208 222	1,644 1,176 953	3,321 2,080 1,783	7,862 5,085 4,201	4, 541 3, 005 2, 418
Fertilizers	1909 1904 1899	15 13 32	1, 041 673 1, 249	8 9 24	125 68 192	908 596 1,033	2,790 1,537	3,692 2,598 4,601	188 100 211	542 254 492	2,655 1,334 1,909	4,251 2,082 3,148	1,596 748 1,239
Firearms and ammunition	1909 1904 1899	1 7 8	1,910 1,524 1,778	1	128 99 90	1,781 1,425 1,685	2,312 1,665	4, 343 2, 966 2, 058	150 165 85	1,162 804 930	508 329 459	2,374 1,727 1,970	1,205 1,866 1,398 1,511
Flags, banners, regalia, society badges, and emblems.	1909 1904 1899	64 54 50	1,025 500 485	73 59 61	139 74 53	813 427 371	266 97	1,187 807 723	114 59 53	354 152 125	892 480 474	1,804 964 921	972 484 447
Flour-mill and gristmill products	1909 1904 1899	983 825 747	5,120 4,650	1,191 1,067	939 520 343	2,990 3,063 2,133	79,098 68,021 59,134	30, 270 24, 819 19, 969	950 594 414	1,669 1,553 1,116	60, 470 47, 372 31, 058	69,802 54,546 35,930	9,332 7,174 4,872
Food preparations	1909 1904 1899	$177 \\ 156 \\ 123$	4, 163 3, 266 2, 158	179 153 141	961 494 305	3,023 2,619 1,712	6,061 4,153	9,233 16,954 3,334	1,229 644 309	1,332 881 618	9,660 6,664 4,242	17,324 11,408 7,406	7,664 4,744 3,164
Foundry and machine-shop products.	1909 1904 1899	1,872 1,633 1,753	75, 746 69, 404	$1,471 \\ 1,545$	10,209 7,309 5,526	64,066 60,550 63,216	102, 437 73, 695	208,320 153,086 131,561	13,197 8,830 6,589	40, 602 35, 309 34, 931	61,621 49,430 57,964	154, 370 127, 915 128, 229	92,749 78,485 70,265
Fur goods	1909 1904 1899	863 603 500	11,263 7,519 5,939	1,310 939 826	1,709 776 659	8,244 5,804 4,454	1,102 1,105	19,509 11,251 7,300	1,760 800 634	5,704 3,480 2,486	24,140 15,239 8,732	41,301 28,244 15,829	17,161 11,005 7,097
Furnishing goods, men's	1909 1904 31899	375 272	20, 758 18, 636	466 379	2,106 1,631	18, 186 16, 626	3, 284 2, 789	24,110 19,045	2,566 1,378	7,756 5,752	21,576 14,009	42,197 29,337	20, 621 14, 668
Furniture and refrigerators		676 537 375	23, 195 18, 671 16, 610	655 639 478	2,259 1,282 1,108	$20,281 \\ 16,750 \\ 15,024$	$28,260 \\ 21,127$	34,676 22,838 17,283	2,834 1,517 1,241	11,669 8,780 7,236	19,156 12,367 10,375	41,929 29,326 24,658	22, 773 16, 959 14, 283
Furs, dressed	1909 1904 1899	52 49 40	893 852 541	70 64 46	68 50 25	755 738 470	1,172 651	744 602 458	86 62 26	517 517 302	272 383 247	1,240 1,400 777	968 1,017 530
Gas and electric fixtures and lamps and reflectors.	1909 1904 1899	183 142 118	7,188 4,804 3,828	142 115 119	1,029 614 440	6,017 4,075 3,269	3,831 2,439	10,840 6,690 4,452	1,416 882 511	3,456 2,157 1,684	5,412 3,615	13,010 8,961 6,204	5,346
Gas, illuminating and heating	1909 1904 1899	141 100 101	9,221 8,755 6,705	15 5	2,784 1,721 1,324	6, 422 7, 029 5, 381	30,089 15,997	278,607 224,341 171,379	2,982 1,859 1,320	4,364 4,636 3,677	15,018 10,940 5,867	42, 347 35, 315 20, 918	27, 329 24, 375
Glass	1909 1904 1899	24 28 27	3,295 3,304 2,690	7 9 17	174 142 117	3,114 3,153 2,556	1,774 1,604 1,127	4, 818 3, 455	272 202 140	1,806 1,825 1,305	1,159 1,412 900	4, 509 4, 280	3,350
Glass, cutting, staining, and orna- menting.	1909 1904 1899	156 136 135	3,570 3,251 2,398	165 156 169	287 183 166	3,118 2,912 2,063	957 863	3,015 2,061 1,621	369 227 176	1,841 1,638 1,074	1,669 1,318	4, 847 4, 253	2,935
Gloves and mittens, leather		225 194 243	7,195 6,185	312 276	596 296 328	6,287 5,613 9,907	1,003 770 920	10,537 6,348 6,220	623 263 295	2,841 2,131 2,724	8,023 5,696	14, 336 9, 946	6, 313 4, 250
Gold and silver, reducing and refin- ing, not from the ore.	1909 1904 1899	10 5 14	64 43 80	13 6 18	93	42 34 54	97 81	540 317 602	13 20 10	2, 123 34 27 39	2, 396 3, 689	2,603 3,776	207 87
Hair work	1909 1904 1899	132 43 54	2, 733 506	166 53	254 68 22	2,313 385 378	4 52	3,267 688 467	230	1,061 165 146	4, 500 466	7,861	3, 361 546
<sup>1</sup> Excluding statisti		-	hmont to	ath Riner			**********				not compari		

 $^1\,{\rm Excluding}$  statistics for one establishment, to avoid disclosure of individual operations.

\* Figures not comparable.

852

# TABLE 1.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSONS	ENGAGE	D IN IND	USTRY.							Value
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ-	Wage earners (average	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	added by manu- facture.
•				mem- bers.	ees.	ber).	~		Э	xpressed	in thousand	ds.	
STATE-Continued.													
Hat and cap materials	1909 1904 1899	32 31 28	1,087 1,285 671	33 48 37	89 45 24	965 1,192 610	713 544	\$2,580 2,102 755	\$119 55 28	\$424 430 196	\$2,775 2,325 1,256	\$3,835 3,382 1,751	\$1,060 1,057 495
Hats and caps, other than felt, straw, and wool.	1909 1904 1899	244 209 288	$\begin{array}{c} 4,000 \\ 4,025 \\ 5,109 \end{array}$	348 327 409	304 176 194	3,348 3,522 4,506	413 279	2, 798 1, 955 2, 602	391 188 197	2,004 1,859 1,994	3, 875 3, 303 4, 289	7,826 6,886 8,344	8,951 3,583 4,055
Hats, fur-felt	1909 1904 1899	44 43 15	5,379 4,684 4,280	47 52 12	319 235 135	5,013 4,397 4,133	1,451 3,487 1,840	5,702 4,441 8,050	393 264 224	2,725 2,309 2,079	5, 406 3, 478 2, 607	10,219 7,740 5,602	4,813 4,262 2,995
Hats, straw	1909 1904 1 1809	46 21	2,922 1,468	47 31	367 95	2,508 1,342	835 629	3,592 1,502	531 98	1,478 614	3,993 1,359	7,617 2,625	3,624 1,266
Hosiery and knit goods	1909 1904 1899	360 271 258	37,673 30,694 27,700	302 224 250	1,421 1,105 824	35,950 29,365 26,626	35,882 25,310 21,551	52, 582 35, 310 30, 307	2,042 1,284 942	14,839 10,160 8,998	38, 677 28, 210 20, 266	67, 130 46, 320 36, 028	28, 453 18, 110 15, 762
House-furnishing goods, not else- where specified.	1909 1904 1899	99 73 75	2, 175 2, 154 2, 392	100 77 88	263 224 206	1,812 1,853 2,098	2,983 1,927	4,015 3,254 2,871	306 209 158	786 747 689	5,690 4,496 4,042	7,789 6,375 5,579	2,099 1,879 1,587
Ice, manufactured	1909 1904 1899	89 58 41	1,372 723 399	34 21 17	214 99 63	1,124 603 319	21,375 15,958 5,422	7,700 5,972 2,555	287 100 52	835 424 201	1,044 577 269	3,808 1,749 1,051	$2,764 \\ 1,172 \\ 782$
Ink, printing	1909 1904 1899	29 26 24	908 439 355	20 30 26	363 126 128	525 283 201	2,301 1,068	3,052 1,411 1,084	579 189 154	370 184 122	$1,878 \\ 1,103 \\ 695$	4,059 2,320 1,418	2,181 1,217 723
Instruments, professional and scien- tific.	1909 1904 1899	87 75 99	2,423 1,439 1,244	73 62 119	386 155 132	1,964 1,222 993	1,899 660	4, 478 2, 145 1, 621	496 197 132	1,146 030 530	975 493 437	8,308 2,042 1,657	2,333 1,549 1,220
Iron and steel, blast furnaces	1909 1904 1899	9 9 9	2,562 1,635 1,078		264 70 45	2,298 1,559 1,033	95,416 39,080 15,263	39,666 14,645 3,396	408 157 81	1,758 1,161 633	20, 917 6, 374 3, 508	26, 621 8, 635 5, 046	$5,704 \\ 2,261 \\ 1,538$
Iron and steel, steel works and rolling mills.	1909 1904 1899	25 20 21	11,089 8,142 4,593	4 7 15	994 609 193	10,091 7,526 4,385	$136,456 \\ 69,430 \\ 14,234$	61,453 48,852 8,788	1,292 801 297	6, 323 4, 393 2, 430	25,889 13,260 4,168	39, 532 21, 227 8, 812	13,643 7,967 4,644
Jewelry	1909 1904 1899	479 294 250	7,146 5,040 3,687	, 603 421 361	1, 164 544 304	5,379 4,075 3,022	1,596 978	13,663 9,115 5,828	1,193 568 304	3,820 2,606 2,002	10, 433 6, 121 5, 427	20, 363 12, 357 10, 245	9,930 6,236 4,818
Jewelry and irstrument cases	1909 1904 1899	67 58 38	1,364 1,303 596	75 79 50	117 84 39	1,172 1,140 507	214 172	$1,127 \\ 749 \\ 367$	126 76 20	519 413 213	678 553 270	1,781 1,432 756	1,103 879 486
Lapidary work	1909 1904 1899	43 27 37	681 573 481	54 40 49	128 92 34	499 441 398	59 <b>2</b> 500	4,252 2,261 2,976	161 101 40	791 610 451	6, 319 6, 097 4, 515	8,660 7,380 5,501	$2,341 \\ 1,283 \\ 986$
Lead, bar, pipe, and sheet	1909 1904 1899	9 9 8	225 198 130	1 3 7	39 39 30	185 156 93	1,247 749	1,123 861 697	78 59 32	120 98 49	1,721 2,869 1,469	2,069 3,285 1,773	348 416 304
Leather goods	1909 1904 1899	483 408 340	9,283 8,880	587 540	1, 110 686 588	7,586 7,648 5,752	1,836 1,496	10,379 7,264 5,512	1,258 643 525	4,089 3,295 2,505	11,632 9,369 6,530	<ul> <li>20, 997</li> <li>17, 224</li> <li>12, 090</li> </ul>	9,365 7,855 5,560
Leather, tanned, curried, and finished.	1909 1904 1899	109 118 147	6, 278 5, 843 6, 922	132 158 199	458 241 193	5,688 5,444 6,530	14,265 13,231 13,162	25,755 24,038 19,063	689 340 265	2,912 2,485 2,775	20, 941 16, 275 17, 424	27,642 21,643 23,200	6,701 5,368 5,782
Liquors, malt	1909 1904 1899	184 209 225	10,705 9,896 9,298	75 91 153	1,899 1,828 1,721	8,731 7,977 7,424	49, 729 44, 078 33, 265	127, 492 106, 799 95, 058	5,051 4,316 3,674	7,294 6,364 5,631	18,883 15,845 11,418	77,720 61,958 56,138	58,837 46,113 44,720
Liquors, vinous	1909 1904 1899	41 59 38	452 589 379	24 56 31	157 143 104	271 390 244	712 668	3, 685 3, 564 2, 157	217 182 102	128 176 83	781 927 383	1, 817 2, 249 943	$1,036 \\ 1,322 \\ 560$
Looking-glass and picture frames	1909 1904 1899	140 125 120	1,891 1,821	144 136	256 175 161	1,491 1,510 1,489	866 999	2,209 1,509 1,515	312 199 183	885 809 762	1,463 946 1,280	3, 555 2, 773 3, 105	2,092 1,827 1,825
Lumber and timber products	1909 1904 1899	2,263 1,599 1,802	82, 458 29, 867	2,519 1,998	2,468 1,856 1,435	27,471 26,013 25,283	131, 462 101, 614	64, 491 48, 937 40, 852	2,798 2,066 1,361	15,101 13,221 10,834	41,705 32,461 30,416	72, 530 61, 677 52, 738	30,825 29,216 22,322
Malt	1909 1904 1899	1,002 32 43 56	645 679	20 45	1, 100 101 94 90	524 540 723	5, 659 4, 235	21,978 12,983 12,624	215 146 112	401 370 345	8,872 5,372 4,208	11,051 7,037 5,535	2,179 1,005 1,327
Marble and stone work	1909 1904 1899	655 2 324 538	8, 469 8, 180	768 426	762 595 465	6,939 7,159 6,954	18,110 10,748	16, 271 11, 480 10, 505	1,007	5,636 6,099 4,584	7,076 5,742	17, 921	10.845

1 Not reported separately.

<sup>2</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations.

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

		•	PERSONS	ENGAGE	D IN INDI	JSTRY.							
industry,	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prictors and firm mem- bers.	Salaried employ- ces.	Wage earners (average num- ber).	Primary horse- power.	Capital.	Salarics. E	Wages.	Cost of materials. in thousand	Value of products.	Value added by manu- facture.
STATE-Continued.													
Mattresses and spring beds	1909 1904 1899	168 136 132	2,088 1,767	178 162	289 197 158	$1,621 \\ 1,408 \\ 1,272$	1,581 1,276	\$3,060 1,846 1,333	\$261 171 173	\$922 733 609	\$3,461 2,810 1,988	\$5,899 4,583 3,686	\$2,438 1,773
Millinery and lace goods	1909 1904 1899	931 567 393	25,369 18,905 13,025	1,234 817 571	3,057 1,830 1,180	$21,078 \\ 16,258 \\ 11,274$	3, 511 2, 042	19,920 11,273 7,721	$3,233 \\ 1,465 \\ 1,052$	9,626 6,268 4,032	27, 135 16, 893 11, 177	52,106 32,844 21,038	1,698 24,971 15,951 9,861
Mirrors	1909 1904 1899	47 40 36	1,160 1,050 1,098	50 58 59	127 105 95	083 887 944	1,145 717	$1,548 \\ 1,130 \\ 1,456$	145 96 109	630 472 523	1,999 1,882 2,503	3,262 2,892 3,947	1,263 1,010 1,444
Models and patterns, not including paper patterns.	1909 1904 1899	136 98 105	1, 382 862 704	147 118 123	153 83 34	1,082 661 547	910 581	1,531 908 675	191 79 37	736 395 875	620 322 230	2,461 1,261 984	1,841 939 754
Musical instruments, planos and or- gans and materials.	1909 1904 1899	184 160 135	13, 102 10, 573 7, 393	117 133 153	1,047 826 439	11, 938 9, 614 6, 801	$\begin{array}{c} 10,905\\ 6,569\\ 6,207\end{array}$	83,019 21,028 13,167	$1,870 \\ 1,256 \\ 641$	7,752 5,925 3,963	17, 495 10, 950 8, 563	33, 680 23, 390 14, 746	16,185 12,440 8,183
Oil, linseed	. 1909 1904 1899	6 6 9	691 567 464	5 5 9	120 48 64	566 514 391	4, 845 3, 888	7, 241 3, 979 4, 085	473 263 114	338 273 199	12,628 8,168 7,596	15,392 9,907 8,427	2,764 1,739 831
Oilcloth and linoleum	1909 1904 1899	4 14 26	1, 158 743 841	2 5 10	49 26 28	$1,102 \\ 712 \\ 803$	2, 384 814	2,902 2,203 1,927	113 50 45	571 381 327	2,166 1,122 832	8,522 1,933 1,480	1,356 811 048
Optical goods	. 1909 1904 1899	51 33 22	2, 563 1, 549	49 26	467 95 185	2,047 1,428 1,345	1,896 1,266	4,547 2,430 1,909	254 85 126	$1,328 \\ 664 \\ 618$	1,225 678 567	3,996 1,870 1,761	2,771 1,192 1,194
Paint and varnish	1909 1904 1899	147 128 122	4, 741 4, 306 3, 560	78 107 53	1,616 949 803	3, 047 3, 250 2, 710	10, 857 10, 559 6, 745	22, 002 20, 007 16, 949	2, 311 1, 339 1, 359	$1,863 \\ 1,823 \\ 1,519$	17, 895 16, 870 12, 299	28,559 25,121 18,878	10,664 8,251 6,579
Paper and wood pulp	1909 1904 1899	178 177 179	13,018 13,262 10,001	59 85 129	886 759 604	12, 073 12, 418 9, 268	337, 548 390, 730 227, 767	90, 912 56, 462 37, 349	$1,471 \\ 1,132 \\ 859$	6, 744 6, 402 4, 100	31, 767 22, 806 14, 563	48,860 37,751 26,716	17,093 14,945 12,153
Paper goods, not elsewhere specified.	1909 1904 1899	107 1 79 1 76	$5,257 \\ 4,000 \\ 3,119$	68 82 77	886 457 899	4, 303 3, 467 2, 643	6, 257 3, 925	9,276 5,639 4,657	$1,070 \\ 582 \\ 487$	1,765 1,235 1,005	6, 786 4, 203 3, 405	12,111 7,582 6,076	5, 325 3, 379 2, 671
Paper patterns	1909 1904 1899	16 20 6	1,507 1,772 714	12 8 3	734 693 86	761 1,071 625	<sup>4</sup> 669 38	4,383 2,223 102	594 490 58	328 441 190	523 332 87	2,166 2,242 389	1,643 1,910 302
Patent medicines and compounds and druggists' preparations.	1909 1904 1899	743 611 519	8, 500 6, 795 7, 080	523 507 504	8,315 1,954 1,968	4,728 4,334 4,608	5,423 3,418	22, 484 18, 079 18, 639	4, 105 2, 582 2, 243	2,226 1,847 1,827	12,589 8,816 10,155	37, 343 28, 646 26, 538	24,754 19,830 16,383
Pens, fountain, stylographic, and gold.	1909 1904 1899	30 24 23	$1,108 \\765 \\520$	25 20 25	353 131 88	730 614 407	192 156	1,853 881 569	874 133 103	427 362 240	1,563 876 •500	3,219 1,945 1,182	1,656 1,069 682
Photographic apparatus and mate- rials.	1909 1904 1899	42 44 52	5, 186 3, 374 2, 350	23 26 37	1,075 734 231	4,088 2,614 2,082	6,782 8,556	15,410 4,713 3,601	1,096 690 207	2,435 1,215 827	4,967 2,742 1,824	18,764 9,523 4,187	13,797 6,781 2,363
Photo-engraving	1909 1904 1899	66 48 56	1,809 1,209 925	42 39 73	372 203 133	1,395 967 719	470 358	1 <sub>7</sub> 035 926 545	426 238 127	1, 351 839 558	555 413 224	2,908 1,988 1,179	2,353 1,575 955
Pipes, tobacco	. 1909 1904 1899	30 32 39	1,871 1,290 980	40 46 46	37	$1,663 \\ 1,207 \\ 854$	803 571	2,207 728 672	177 36 73	757 550 483	1,432 924 808	1,881	957
Pottery, terra-cotta, and fire-clay products.	1909 1904 1899	39 43 52	2, 628 2, 979 2, 489	19 28 43	242 256 176	2, 367 2, 695 2, 270	4,039 4,212 5,558	5,343 5,111 4,103	359 328 200	1,296 1,333 873	875 872 522	3, 403 3, 289 2, 389	2, 417 1, 867
Printing and publishing	. 1909 1904 1899	4,420 3,718 3,140	94,893 77,671 62,147	3,732 3,563 3,388	28,041 20,672 10,647	63,120 53,436 48,112	53,973 29,652	158,367 127,887 101,838	83,251 22,263 12,776	43, 559 34, 071 28, 114	56, 494 39, 482 31, 010	216, 946 164, 834 118, 071	125,352
Rubber goods, not elsewhere speci- fied.	1909 1904 1899	53 55 55	2, 518 3, 050 2, 375	43 42 58	409	2,066 2,692 2,103	6,898 4,399	7,330 4,752 4,114		1,058 1,113 832	5,659 5,000 2,998	8,784 8,266 5,304	2,300
Salt	1909 1904 1899	33 34 38	$1,686 \\ 1,527 \\ 1,441$	20 21 5	141 133 157	1,525 1,373 1,279	9,923 4,923	14,552 15,322 17,232	1	765 586 543	1,195 1,186 958	3,167 2,699	1, (41
Scales and balances	. 1909 1904 1899	16 16 17	582 622 600	17	119 80 77	453	585 685	1,348	1	284 292 239	420 264 217	1,180 804 721	504
Shlpbuilding, including boat build- ing.	1909 1904 1899	255 210 227	6,230 7,001 6,044	236	337	5,644 6,428 5,572	10,988	14,084 11,744	543 471	4,387	3,989	11, 417 11, 265 8, 647	7, 492 7, 276 5, 531

Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSON	S ENGAG	ed in ini	OUSTRY.							Value
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prictors and firm	Salaried employ-	Wage earners (average	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	added by manu- facture.
		mento,		mem- bers.	ees.	num- ber).			Е	xpressed	in thousand	ls.	
•STATE-Continued.					, ·						-		
Silk and silk goods, including throw- sters.	1909 1904 1899	170 123 92	$14,136 \\ 12,348 \\ 8,318$	140 105 94	1, 093 960 363	12,903 11,283 7,861	11,110 7,250 5,111	\$20, 972 15, 75 <b>1</b> 9, 800	\$1,493 1,104 514	\$5,385 4,268 2,862	\$13,949 10,490 6,570	\$26,519 20,181 12,706	\$12,570 9,691 6,136
Silverware and plated ware	1909 1904 1899	53 42 56	3,678 3,663 2,930	45 36 68	568 323 337	3,065 3,304 2,525	2, 819 2, 817	7, 488 5, 782 4, 177	665 367 335	$1,899 \\ 1,789 \\ 1,335$	3, 589 3, 059 2, 259	7,859 6,580 5,346	4,270 3,521 3,087
Slaughtering and meat packing	1909 1904 1899	238 151 168	7,583 4,654 4,109	262 183 209	1,211 710 612	${}^{6,110}_{3,761}_{3,288}$	13,936 7,271	34, 536 18, 102 15, 718	1,690 872 593	4, 387 2, 592 1, 949	110, 168 66, 778 51, 173	127, 130 75, 550 58, 403	16,962 8,772 7,230
Smelting and refining, not from the ore.	1909 1904 1899	15 11 9	407 230 259	21 13 9	102 41 79	284 176 171	1,595 1,280	3,257 1,531 1,014	130 84 101	191 101 135	8, 267 4, 716 1, 475	9,018 5,180 2,144	751 464 669
Soap	1909 1904 1 1899	67 67	3,924 3,287	50 69	898 816	2, 976 2, 402	5, 873 4, 270	16,708 10,603	829 697	1,436 1,043	15,612 8,411	23, 583 13, 402	7,971 4,991
Stationery goods, not elsewhere speci- fied.	1909 1904 1899	55 39 42	1,815 1,277 1,219	51 31 48	521 233 223	1,243 1,013 948	1,307 554	2,762 2,002 1,707	490 206 196	636 421 355	1,610 1,078 895	3,344 2,531 2,142	1,734 1,458 1,247
Steam packing	1909 1904 1899	36 23 27	1,295 782 232	21 22 30	373 100 66	901 660 136	1,804 1,097	$3,775 \\ 4,415 \\ 431$	490 172 70	464 306 82	1,971 923 307	3, 783 2, 349 634	1,812 1,426 327
Stereotyping and electrotyping	1909 1904 1899	47 41 36	1, 182 1, 019 839	40 52 41	237 139 89	905 828• 709	1,414 1,033	1,209 1,156 769	313 152 87	852 662 435	626 368 229	2,228 1,603 1,094	1,602 1,235 865
Stoves and furnaces, including gas and oll stoves.	1909 1904 1899	58 48	4, 957 3, 190	22 32	688 370	4, 247 2, 788	6,273 2,629	11,479 5,973	905 436	<b>2</b> ,746 1,790	3,542 1,939	8,974 5,527	5, 432 3, 588
Surgical appliances and artificial limbs.	1909 1904 1899	72 62 64	708 787 501	67 58 62	177 112 78	464 617 361	240 210	969 679 445	188 100 63	276 331 175	507 318 191	1,490 1,210 863	983 892 672
Tobacco manufactures	1909 1904 1899	3,371 3,543 3,097	36, 197 39, 924 31, 928	3,699 3,912 3,461	2,479 2,066 1,396	30, 019 33, 946 27, 071	2,657 1,713	41,863 53,795 22,491	3,209 1,973 1,752	13,666 14,547 11,503	31,341 25,240 19,115	76, 662 65, 597 53, 661	45, 321 40, 357 34, 546
Toys and games	1909 1904 1899	67 41 49	1,406 926 681	65 39 60	144 61 39	1,197 826 582	451 1,093	1,310 1,381 670	138 100 48	457 324 212	847 808 343	1,849 1,644 865	1,002 836 522
Typewriters and supplies	1909 1904 1899	43 31 21	5,160 3,249 2,012	22 12 7	600 376 157	4, 538 2, 861 1, 848	2,757 1,931	12,487 9,959 3,782	802 463 179	3,020 1,709 1,084	1,881 862 683	10, 298 5, 352 8, 824	8, 417 4, 490 3, 141
Umbrellas and canes	1909 1904 1899	142 99 101	2, 353 1, 827	179 136	255 192 200	1,919 1,499 1,621	507 239	2,240 1,272 1,628	248 159 162	907 617 624	4,131 2,857 3,315	6, 427 4, 711 5, 225	2,296 1,854 1,910
Vinegar and eider	1909 1904 1899	277 154 149	913 665	304 182	80 49 87	529 434 410	5,719 8,302	5,036 2,815 1,558	80 42 30	234 213 170	1,480 997 725	2,246 1,911 1,273	766 914 548
Wall paper	1909 1904 1899	13 14 18	1,889 2,021 2,385	2 5 8	285 217 249	1,602 1,799 2,128	1,596 2,159	5,221 5,534 4,086	414 293 424	806 835 1,093	2, 474 2, 795 2, 534	5, 277 5, 596 4, 812	2, 803 2, 801 2, 278
Wall plaster	1909 1904 11899	31 35	1,550 1,532	9 21	204 135	1,337 1,376	7, 356 5, 803	5,791 3,899	352 169	775 719	2, 425 2, 094	4, 494 3, 735	2,069 1,641
Window shades and fixtures	1909 1904 1899	75 35 35	1,172 988	74 37	187 140 83	911 811 615	1,555 1,139	3,341 2,412 2,154	237 179 112	435 276 239	3,946 1,994 2,147	5, 476 2, 883 2, 944	1,530 889 797
Wire	1909 1904 1899	7 6 3	1,521 1,249 55	1 2 3	81	1,439 1,179 45	5,455 4,576	5,477 4,788 96	218 176 5	758 637 19	7,824 8,005 149	10,065 9,401 194	2.241
Wirework, including wire rope and cable.	1909 1904 1899	106 143 109	1,988 2,442 1,511	94 176 126	245 281	1,649 1,985 1,276	2,402 1,068	3,759 2,383 2,100	339 265 107	843 961 586	3,785 1,428 1,182	5,875 3,639 2,424	2,211
Wood distillation, not including tur- pentime and rosin.	1909 1904 1 1899	29 32	068 574	10 19	65	593 489	599 708	3,298 3,199	80 93	262 218	2,519	1	
Wood, turned and carved		159 157 191	1,594 1,034 1,218	194 194 220	35	1,279 805 952	3,223 2,448	1,612 890 928	128 29 36	729 443 520	439	1,299	1,503 860 1,030
Woolen, worsted, and felt goods, and wool hats.	1909 1904 1899	64 67 88	9,907 9,435	66 74 91	381 419	9,460 8,942 9,424	22,374 21,738 19,180	25,208 20,516 19,228	819 668 615	4,145 3,520 3,302	14,744 10,715	23,739 19,477	8,995 8,762
All other industries		2,262 2,118 2,590	9,923 49,296 50,758	2,299 2,318			104,293	212,313 182,877 180,754	9,117 5,997	22,731 23,802	236, 100 219, 372	314, 400 296, 948	78,300 77,576

<sup>1</sup> Not reported separately.

## TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

		1								1	1		
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	ED IN INI Salaried employ-	Wage earners (average	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products,	Value added by manu- facture,
		ments.		mem- bers.	ees.	num- ber).			Ē	xpressed	in thousand	ds.	
ALBANY—All industries	1909 1904 1899	395 490 511	11,607 10,685	410 550	1,336 1,159 761	9,861 8,976 8,106	15,629	\$26,276 16,676 18,011	\$1,581 1,377 914	\$5,234 4,269 3,852	\$10,521 9,377 7,507	\$22, 826 20, 209 17, 269	\$12,305 10,832 9,762
Boxes, fancy and paper	1909 1904 1899	3 5 4	63 129 107	5 8 7	4 5 6	54 116 94	15	39 54 10	5 4 2	22 32	37 43	88 115	51 72 53
Brass and bronze products	1909 1904 1 1899	6 4	55 43	5 2	9 12	41 29	59	114 76	9 9	23 31 20	34 88 38	87 143 83	53 55 45
Bread and other bakery products	1909 1904 1899	69 78 70	451 463 351	76 88 70	86 55 58	289 320 223	143	843 508 402	52 29 25	169 153 109	735 588 413	1,210 958 756	475
Brick and tile	1909 1904 1899	4 5 5	99 99 89	5 6 6	4 4 3	90 89 80	365	180 126 143	3 2 2	39 39 33	21 44 13	143 135 63	343 122 91 50
Carriages and wagons and materials	1909 1904 1899	4 11 8	65 115	10 19	7 6 1	48 90 49	63	203 247 91	12. 8 1	37 51 25	82 45 21	92 154 74	60 109
Clothing, men's, including shirts	1909 1904 1899	13 20 2 27	1,075 1,244 189	24 25 29	60 105 23	991 1,114 137	256	604 642 105	38 90 15	331 327 46	233 491 91	668 1,031 209	53 435 540 118
Coffee and spice, roasting and grinding.	1909 1904 1899	5 5 4	43 55 55	11 12 7	10 13 9	22 30 39	170	155 229 198	8 13 8	11 13 24	221 175 243	288 228 320	67 53 77
Confectionery	1909 1904 1899	6 5 7	123 115	8 6	· 1 11 10	116 98 119	140	166 166 203	$10 \\ 7$	35 38 43	140 121 181	246 232 296	106 111 115
Cutlery and tools, not elsewhere speci- fied.	1909 1904 11899	*3 *3	29 21	6 4	4	19 17	20	20 20	3	12 9	10 10	47 25	37 15
Foundry and machine-shop products.	1909 1904 1809	18 23 30	745 1,040	19 24	90 87 79	636 929 1,250	809	2, 923 1, 500 2, 792	110 110 136	396 508 043	559 734 696	1,354 1,774 1,926	1,040
Hats and caps, other than felt, straw, and wool.	1909 1904 1899	3 3 5	20 26 25	5 4 0	3 1	21 21 10	3	29 12 17	2 1	14 11 9	27 17 22	63 36 47	36
Liquors, malt	1909 1904 1899	8 10 10	431 385 453	$\begin{vmatrix} & & \\ & & 2 \\ & & 4 \end{vmatrix}$	125 102 106	306 281 343	2,328	4, 203 3, 204 3, 776	364 322 277	202 226 236	653 507 528	3,050 2,449 2,479	2,403
Lumber and timber products	$\begin{array}{c} 1909 \\ 1904 \\ 1899 \end{array}$	9 11 29	185 221 259	12 12 12	13 15 11	160 194 236	715	338 322 413	15 15 10	82 94 113	296 430 224	468 613 415	172 183
Marble and stonowork	1909 1904 1899	8 7 5	47 95 27	14 6 5	 19 1	33 70 21	68	52 256 10	23 1	23 41 12	32 42 10	86 150 31	108
Patent medicines and compounds and druggists' preparations.	1909 1904 1899	8 8 12 2 14	28 36 32	9 18 16	7 5 2	12 13 14	19	48 28 30	4 2 1	5 4 6	11	69 42 36	31
Photo-engraving	1909 1904 1899	3 8 3	85 35 35	1 1	9 8 4	26 26 80	8	27 21 22	12 13 5	21 20 26	12 7 10	50 50 50	43
Printing and publishing	. 1909 1904 1899	64 50 8 54	2,003 1,610	51 50	317 229 134	1,635 1,837 1,150	1,324	3,119 1,767 2,014	307 226 126	957 768 620	1,274 529 505	2,351	1,822
Slaughtering and meat packing	1909 1904 1899	88 9	30 51	8 9	24	20 38 43	91	58 99 151	12	13 19 22	211 124 672	266 176 753	52
Tobacco manufactures	1009 1904 1899	52 74 74	322 658 504	56 90 91	21 70 43	245 498 370	60	444 628 517	29 66 38	124 247 192	396	1,074	678
All other industries	1909 1904 1899	102 147 173	5,749 4,238	88 164	564 408 271	5,097 3,666 3,889	8,973	12,711 6,711 7,111	605 432 200	2,620 1,649 1,670	4,965	8,533	4,930 3,568 3,436
BUFFALOAll industries	. 1909 1904 1899	1,753 1,538 1,478	61,246 50,390	1,489 1,559	8,345 5,264 3,767	51,412 43,567 34,275	121,791	\$193,041 137,023 95,740	\$9,347 5,542 3,429	\$28,727 21,622 15,678	88,367	\$218,804 147.378 105,627	3 59.011
Automobiles, including bodies and parts.		23 25 3	3, 640 679	13 1	583 53 7	34,270 8,044 625 23	4, 561	9,300 791 112	283 71	2,200 390 15	4,596 580	9,598 1,386	5,002 806
Bicycles, motorcycles, and parts	1909 1904 1899	7 7 14	181 39 673	4 7 11	27 2 65	150 30 597	151	339 46 1,064	31 2	105 15	149	390 45	2 29
							ual operatio			••••			

Figures can not be shown without disclosing individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSO	NS ENGA	ged in in	DUSTRY.							Value
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ- ees.	Wage earners (average num-	Primary horse- power,	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	added by manu- facture.
				mem- bers.		ber).			E	xpressed	in thousand	ls.	
BUFFALO-Continued.													
Blacking and cleansing and polishing preparations.	1909 1904 1899	11 15 16	287 46 81	4 3 7	147 7 26	138 36 48	209 	\$942 94 76	\$123 4 23	\$67 8 10	\$411 84 65	<b>\$</b> 964 136 135	\$553 52 70
Boots and shoes, including cut stock and findings.	1909 1904 1899	14 2 12 2 17	722 406 813	14 12 19	55 26 69	653 428 725	370	910 343 540	55 20 59	$267 \\ 144 \\ 192$	835 404 571	1,356 707 890	521 303 319
Brass and bronze products	1909 1904 1899	18 9 1 7	414 113 42	12 8 8	55 16 2	347 89 32	2,417	$1,047 \\ 102 \\ 47$	72 15 1	211 48 16	1,141 231 40	1, 791 349 75	650 118 35
Bread and other bakery products	1909 1904 1899	189 144 154	$1,794 \\ 1,646 \\ 1,295$	180 144 163	259 185 129	$1,355 \\ 1,317 \\ 1,003$	1,191	4,369 2,912 1,947	251 150 96	725 619 413	3, 335 2, 530 1, 413	5, 544 4, 452 2, 548	$2,209 \\ 1,922 \\ 1,135$
Brick and tile	1909 1904 1899	5 7 6	178 276 241	5 10 12	10 12 7	163 254 222	265	402 658 678	11 9 5	88 128 93	25 46 38	165 243 203	140 197 165
Canning and preserving	1909 1904 1899	8 4 25	73 14 30	9 5 7	22 2	42 9 21	100	98 30 41	13 1	17 5 6	142 9 27	204 22 47	62 13 20
Carriages and wagons and materials	1909 1904 1899	48 40 47	504 615	48 43	27 47 44	429 525 547	551	983 1,363 1,501	44 56 37	247 259 286	557 591 584	$1,196 \\ 1,164 \\ 1,280$	639 573 696
Cars and general shop construction and repairs by steam-railroad com- panies.	1909 1904 1899	7 7 9	8,474 2,939 3,325		284 205 80	3,190 2,734 3,245	2,768	$2,391 \\ 1,714 \\ 1,694$	219 163 64	$1,938 \\ 1,512 \\ 1,528$	2,277 1,901 2,556	4, 524 3, 609 4, 191	2,247 1,708 1,635
Clothing, men's, including shirts	1909 1904 1899	60 91 124	1,681 2,016	70 105	181 134 99	1,430 1,777 1,627	365	$2,309 \\ 2,216 \\ 1,751$	182 132 97	601 633 489	1,797 2,311 1,533	3,699 4,369 2,943	$1,902 \\ 2,058 \\ 1,410$
Clothing, women's	1909 1904 1899	14 11 10	655 397 280	12 10 13	87 21 9	556 366 258	61	448 218 76	63 16 5	182 114 57	505 269 143	1,014 509 273	449 240 130
Confectionery	1909 1904 1899	26 20 10	633 675	22 17	106 79 59	505 579 452	604	614 545 350	93 65 46	160 160 102	739 620 617	1,180 1,251 930	441 631 313
Cooperage and wooden goods, not else- where specified.	1909 1904 1899	13 18 29	194 227	12 21	10 6 2	172 200 310	208	306 239 227	12 3 1	94 93 176	428 264 250	609 427 527	181 163 277
Copper, tin, and sheet-iron products	1909 1904 1899	67 40 1 27	$1,882 \\ 1,653$	68 50	262 124 28	1,552 1,479 354	1,955	4,127 2,230 611	288 129 21	853 595 181	2,272 1,309 427	4,123 2,555 829	$1,851 \\ 1,246 \\ 402$
Cutlery and tools, not elsewhere spec- ified.	1909 1904 1899	11 16 3	273 138	6 7	36 17	231 114 2	359	503 160 4	47 17	128 51 1	141 37 1	452 160 5	311 123 4
Electrical machinery, apparatus, and supplies.	1909 1904 1899	8 8 8	347 244 67	4 2 7	61 33 10	282 209 50	654	1,175 508 126	85 32 8	141 97 20	336 169 76	661 398 161	325 229 85
Flour-mill and gristmill products	1909 1904 1899	10 9 9	793 540 243	1 4 11	316 111	476 425 195	10,987	5,313 4,017 1,594	819 129 44	324 210 112	17,470 8,602 2,932	19,942 9,808 3,264	2,472 1,206 332
Foundry and machine-shop products.		149 2 118 105	10,018 7,932	94 111	1,056	8,868 7,131 5,044	11,690	20,326 21,383 10,738	1	5,144 3,934 2,623	8,811 6,058	20,775 14,557 9,279	11,964 8,499 5,051
Fur goods	1909 1904 1899	12 7 13	122 82 67	11 6 15	23 1	88 75	6	214 118 63	17	61 30 17		217	158 101 63
Furniture and refrigerators	1909 1904 1899	33 26 21	2,347 1,797 1,329	25 34 27		2,052	2,846	4,083 4,328 2,608	312 115 92	1,037 736 497	1,205	4,185 2,543 1,829	2,029 1,338 1,035
Gloves and mittens, leather	1909 1904 1899	9 5 4	98 60 76	10 8	12 4	76 48	12		14		73	148 88	75 38
Instruments, professional and scien- tific.	1909 1904 1899	754	130 132	6	14	110 108	34	178 267 135	25 29	54 84 31	29 54	158	122 104
Jewelry	1909 1904 1899	14 16 10	401 374 204	22 28 13		298 306	116		99 25	174 154 87	439	917	478
Jewelry and instrument cases		894	458 493	12	36	416	109	342 197 43	47	113	) 111	393 303 91	192

<sup>1</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations.
 <sup>2</sup> Excluding statistics for two establishments, to avoid disclosure of individual operations.

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSONS	ENGAGE	d in indi	ISTRY.							
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem- bers.	Salaried employ- ees.	Wage earners (average num- ber).	Primary horse- power.	Capital.	Salaries. E	Wages,	Cost of materials. in thousand	p.0000003.	Value added by manu- facture.
BUFFALO-Continued.													
Leather goods	1909 1904 1899	22 1 15 1 13	609 479	27 22	73 23 26	509 434 305	460	\$938 568 376	\$96 24 24		\$521 356	\$1,129 769	\$608 413
Leather, tanned, curried, and finished.		4 4 3	579 724 580	7 8 10	59 30 9	513 680 561	1,297	3,058 1,926 1,295	85 28 8	246 264 220	276 2,194 1,694	520 2,809 2,428	244 615 734
Liquors, malt		16 19 18	828 746 735	35	155 152 170	673 591 560	4,888	12,784 9,312 9,135	413 264 209	536 437 411	1,152 1,481 1,204	1,663 6,497 5,187	511 5,016 3,983
Lumber and timber products		32 230 28	2,202 2,168 2,065	25 38 37	227 175 82	1,950 1,955 1,946	6,713	5,051 4,270 3,152	236 183 61	$1,106 \\ 1,036$	862 3,325 2,937 2,269	4,270 5,580 4,824	3,408 2,255 1,887
Malt		16 17 16	362 282 255	8 16 15	66 41 35	288 225 205	3,862	15,472 4,431 2,394	144 69 41	775 222 161 123	5,657 2,239	3,627 7,095 3,036	1,358 1,438 797
Marble and stone work		17 14 10	410 444	15 20	31 34 26	364 390 396	427	753 558 793	36 39 32	243 246 217	1,377 443 151 207	1,960 943 712 591	583 500 561
Mattresses and spring beds		8 9 4	230 193	4 11	36 20 26	190 162 117	137	250 253 180	26 17 25	91 71 43	207 276 289 166	555 432 280	384 279 143 114
Mirrors		5 3	113 44	1 3	73	105 38	125	79 13	52	69 22	200 28	331 70	114 131 42
Models and patterns, not including paper patterns.	1909 1904 1899	9 9 6	80 56 22	6 11 7	73	67 42 15	76	59 30 11	10 3	62 32 12	12 7 2	123 71 25	111 64 23
Paper goods, not elsewhere specified.	1	4 23 3	140 127	2 2	30 11 4	108 114 69	98	172 134 77	30 14 4	44 39 22	149 83 47	295 176 90	
Patent medicines and compounds and druggists' preparations.		61 1 44 47	580 371 613	48 38 44	302 84 80	230 249 489	362	1,089 904 1,213	196 88 79	90 78 202	361 302 346	2,801 1,996 1,933	2,440
Photo-engraving	1	6 4	137 62	6 7	35 11	96 44	153	120 96	31 9	79 45	28 12	189 100	161
Printing and publishing	$\begin{array}{c} 1909 \\ 1904 \\ 1899 \end{array}$	164 <sup>2</sup> 161 <sup>2</sup> 131	3,994 3,520	133 148	772 503 448	3,089 2,809 2,389	3,588	6,649 5,730 4,235	786 535 363	1,937 1,577 1,256	2,355 1,849 1,072	7,679 6,446 4,025	4,597
Slaughtering and meat packing	. 1909 1904 1899	39 33 32	1,929 1,490 1,214	35 31 37	232 277 203	1,662 1,182 974	3, 743	7,271 4,974 5,222	829 265 147	963 602 458	21,789 14,220 10,117		3,627
Soap	. 1909 1904 1899	8 10 9	1,592 1,722 1,249	2 10 13	230 571 493	1,360 1,141 743	2,489	7,257 5,674 2,565	215 370 267	545 435 242	5,760 3,257 2,475	8,653 4,793	2,893 1,536 1,344
Stereotyping and electrotyping	- 1909 1904 1899	3 3 3	58 54 73	3 4 4		47 39 55	112	73 45 62	5 8 10	32 19 28	44 22 7	138 107 104	. 85
Tobacco manufactures	- 1909 1904 1899	188 1175 1176	764 771 535	210 198 194	88 34 16	516 539 325	21	600 558 420	34 26 15	282 286 179	550 324 299	1,237	687 659 2 513
Wall plaster	. 1909 1904 4 1899	35	47 62	1	14 11	32 50	220	172 192	16 11	15 25	52 109		74 104
All other in dustries	1	377 351 330	15,293 13,482	298 338	2,003 1,315 878	12,992 11,829 8,712	50,433	69,054 51,992 38,198	2,606 1,719 986	6,937 5,953 4,082	42,348 31,281 27,997	62,815 48,445 38,600	5 17,164
NEW YORK CITY-All industries.	1909 1904 1899	25,938 20,839 19,243	680,510 552,952	29,055 24,650	97,453 63,586 43,783	554,002 464 716 388,586	429,003	\$1,364,353 1,042,946 853,238	\$122,074 73,028 51,656	\$323,698 248,128 196,656	\$1,092,155 818,029 634,210	\$2,029,693 1,526,523 1,172,870	708,494
Artificial flowers and feathers and plumes.	1909 1904	312 146	9,759 3,707	411 202	899 210	8,449 3,295	201	7,903 1,849	1,023 175	3,435 1,094	12, 237 1, 447 2, 190	{	8,861 2,519
Artificial stone	1899 - 1909 - 1904	152 24 12	4,440 266 572	224 18 13		3,993 227 512	222	2,965 507 532	227 25 05	1,251 150 329	2, 190 195 249	. 480	3 291
Automobiles, including bodies and parts.	4 1899 1909 1904 1899	50 14 3	2, 326 631	31 8			1,460	3,713 1,422 89	492 80	1,585 493 4	2,636 757 3	1,399	9 642 9 6
Bags, paper	1909 1904 1899	9 9 12	441 238	99	34 46	367 195 369		945 181 1,336	180 53 55	156 72	1,058 397	1,682 610	2 624 2 213

Excluding statistics for two establishments, to avoid disclosure of individual operations.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Figures can not be shown without disclosing individual operations.
 Not reported separately.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSONS	ENGAGE	D IN INDI	USTRY.							Value
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ-	Wage earners (average	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	added by manu- facture,
				mem- bers.	ees.	num- ber).			E	xpressed	in thousand	ls.	
NEW YORK CITY-Contd.													
Baskets, and rattan and willow ware	1909 1904 1899	26 30 37	462 527 342	26 34 39	35 36 12	401 457 291	129	\$402 456 224	\$38 34 15	\$280 212 111	\$413 374 208	\$986 994 418	\$573 620 210
Belting and hose, leather	1909 1904 1899	18 14 12	451 357 571	$15 \\ 14 \\ 9$	138 73 84	298 270 478	892 	2,396 1,377 2,064	177 85 115	188 146 279	2,032 1,612 2,211	3,670 2,421 2,996	1,638 809 785
Bicycles, motorcycles, and parts	1909 1904 1899	5 6 15	33 26 05	7 7 16	2 	24 19 42	15	36 32 72	1 3	13 10 23	82 25 53	68 45 124	36 20 71
Blacking and cleansing and polishing preparations.	1909 1904 1899	60 46 39	677 600 558	46 41 46	225 147 130	406 412 382	236	867 864 692	233 184 168	177 174 175	99 <i>6</i> 990 824	1,998 1,879 1,612	1,002 889 788
Bluing	1909 1904 1899	4 7 10	26 64 91	3 5 13	8 8 15	15 51 63	10	19 60 86	7 10 14	7 25 27	35 89 98	70 173 217	35 84 119
Boois and shoes, including out stock and findings.	1909 1904 1899	181 130 173	9,177 6,672 6,325	$194 \\ 176 \\ 222$	783 392 366	8,200 6,104 5,737	2,559	8,809 5,814 4,644	996 396 357	4, 464 2, 959 2, 574	9,950 7,828 6,118	18,376 13,687 10,641	8,426 5,859 4,523
Boxes, cigar	1909 1904 1899	31 31 34	1,396 1,575 992	32 38 41	108 95 45	1,256 1,442 908	913	930 888 592	139 113 39	558 630 365	916 912 571	1,843 1,919 1,171	927 1,007 600
Boxes, fancy and paper	1909 1904 1899	211 170 159	8,018 7,968 5,956	244 198 202	564 558 326	$7,210 \\ 7,212 \\ 5,428$	1,696	4,601 4,066 2,174	623 601 275	2,849 2,545 1,848	4,013 3,576 2,209	9,450 8,726 5,759	5,437 5,150 3,550
Brass and bronze products	1909 1904 1899	163 131 1 128	4,197 3,147 2,450	157 156 154	476 275 155	3,564 2,716 2,141	3,054	6,265 3,891 2,729	608 313 184	2,116 1,503 1,090	3,945 2,038 1,937	8,755 5,004 4,074	4,810 2,966 2,137
Bread and other bakery products	1909 1904 1899	2,378 1,976 1,966	20, 401 15, 692 14, 369	2,511 2,053 2,037	2, 369 892 1, 417	15,521 12,747 10,915	6,642	25,796 16,398 13,799	1,955 724 1,113	10,375 7,594 5,744	37,957 26,474 17,559	61, 904 44, 000 32, 239	23,947 17,526 14,680
Brooms and brushes	1909 1904 1899	94 89 84	1,609 1,796 1,626	106 102 99	186 174 131	$1,317 \\ 1,520 \\ 1,396$	652	1,788 2,019 1,575	181 146 99	609 625 550	1,579 1,665 1,296	3,107 3,033 2,448	1,528 1,368 1,152
Buttons	1909 1904 1899	147 46 33	$3,635 \\ 2,028 \\ 1,471$	203 61 41	260 157 50	3,172 1,810 1,380	1,024	2,470 854 553	295 147 47	1,349 641 483	2,352 881 609	5,235 2,205 1,457	2,883 1,324 848
Canning and preserving	1909 1904 1899	73 <sup>2</sup> 76 72	1,340 1,394	73 91	233 175 175	1,034 1,128 990	1,189	3, 428 2, 617 2, 739	266 207 209	489 466 378	3,491 3,310 2,199	5, 538 5, 365 3, 622	2,047 2,055 1,423
Carpets and rugs, other than rag	1909 1904 1899	5 4 4	256 1,188 1,679	7 6	34 27 63	215 1,155 1,616	196	312 612 2,029	35 34 103	89 464 598	119 1,383 1,317	358 1,981 2,468	239 598 1,151
Carpots, rag	1909 1904 1899	10 13 21	65 68 50	10 16 22	8	47 52 26	25	35 31 24	6 1	26 24 11	29 20 11	92 71 42	63 51 31
Carriages and wagons and materials	1909 1904 1899	195 197 209	2,379 2,953	231 233	132 183 115	2,016 2,537 2,343	1,950	3, 168 3, 774 3, 467	203 246 126	1,326 1,636 1,508	1,566 1,411 1,361	4,165 4,542 4,159	2,599 3,131 2,798
Cars and general shop construction and repairs by steam-railroad com- panies.	1909 1904 1899	3 6 10	1,619 1,209 992		102 43 44	1,517 1,166 948	1,186	1, 181 1, 003 745	100 42 30	925 783 558	986 684 533	2,052 1,474 1,135	1,066 790 602
Cars and general shop construction and repairs by street-railroad com- panies.	1909 1904 1899	13 5 6	3,685 3,489 2,168		214 150 37	3,471 3,339 2,131	3,207	9,099 4,502 5,945	21 149 46	2,236 2,055 1,509	2,544 1,115 1,363	5,312 3,444 3,031	2,768 2,329 1,668
Chemicals	1909 1904 1899	33 34 37	1,812 1,255 1,046	14 21 10	360 239 159	1,438 995 877	4,716	10, 310 5, 468 4, 437	624 394 215	981 570 479	9,219 6,517 3,415	12,945 9,033 5,267	3,726 2,516 1,852
Clocks and watches, including cases and materials,	1909 1904 1899	20 20 21	1,576 1,915 2,150	8 17 14	151 101 85	1,417 1,797 2,051	490	3,474 3,145 3,192	225 169 149	786 845 819	1,178 1,648 2,006	3,036 3,033 3,481	1,858 1,385 1,475
Clothing, men's, including shirts	1909 1904 1899	2,526 1,851 2,075	77, 543 50, 789	3,656 2,650	6,745 3,821 3,262	67,142 44,318 34,737	7,399	88,944 50,489 41,490	8,037 4,090 3,361	37,978 22,517 17,500	112,831 70,453 59,635	218,411 149,484 117,206	105, 580 73, 031 57, 571
Clothing, women's	1909 1904 1899	2,995 2,140 1,607	110, 567 80, 144 51, 047	4,332 3,214 2,371	11,977 6,841 3,961	94,258 70,089 44,715	11,157	80,762 43,804 27,389	13,099 6,255 3,934	53,518 34,551 20,929	144,845 89,092 54,639	266, 477 168, 419 102, 712	121,632 79,827 48,073
Coffee and spice, roasting and grinding.		61 57 56	2,080 2,003 2,021	11	680 458	1,329	3,475	6,103 10,131 8,658	781 541	649 757	11,448 21,814 17,279	15.819	4,371

<sup>1</sup> Excluding statistics for two establishments, to avoid disclosure of individual operations, <sup>2</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations,

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSC	NS ENGA	GED IN IN	IDUSTRY.							
INDUSTRY,	Census.	Num- ber of estab- lish- ments,	Total,	Pro- prietors and firm mem- bers.	Salaried employ- ces.	Wage earners (average num- ber).	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials. in thousan	Value of products.	Value added by manu- facture,
NEW YORK CITY-Contd.											In thousan	1s,	Ţ
Coffins, burial cases, and undertakers' goods.	1909 1904 1899	15 10 14	731 706 686	14 9 15	188 123 85	529 574 586	600	\$2,101 1,409 842	\$199 161 99	\$288 320 317	\$1,213 1,018	\$2,102 1,970	\$889 952
Confectionery	1909 1904 1899	$127 \\ 110 \\ 104$	7, 641 6, 202	119 126	1,000 645 533	6, 522 5, 431 4, 454	6,254	9,030 6,648 4,638	1, 289 726 561	2, 373 1, 944 1, 566	454 12,395 8,448	1,211 20,062 14,045	757 7,667 5,597
Cooperage and wooden goods, not else- where specified.	1909 1904 1899	39 45 47	1,200 1,646	42 52	47 55 40	$1,111 \\ 1,539 \\ 1,664$	1,215	3, 824 2, 998 3, 082	64 108 67	524 741 773	6, 582 2, 221 2, 795 2, 262	10, 834 3, 446 4, 061 3, 544	4,252 1,225 1,266
Copper, tin, and sheet-iron products	1909 1904 1899	466 343 353	11,399 9,905	437 397	1,118 658 471	9, 844 8, 850 7, 918	6, 415	23, 437 18, 248 9, 866	1,352 865 525	5,786 4,886 4,003	12,057 8,182 6,618	23, 303 17, 389	1,282 11,248 9,207
Cordage and twine and jute and linen goods.	1909 1904 1899	9 1 10 1 11	4, 619 3, 762 3, 349	2 1 4	181 170 93	4, 436 3, 591 8, 252	9,485	10,060 7,108 6,723	274 249 217	1,601 1,386 1,112	4, 271 6, 124 6, 060	14,502 7,374 9,570	7,884 3,103 3,448 2,709
Corsets	1909 1904 1899	39 30 30	2,445 1,107	39 35	278 94 69	2, 128 978 1, 007	421	2,091 728 574	342 69 90	889 335 289	2,172 500 608	8,769 4,610 1,447	2, 438 947
Cotton goods, including cotton small wares.	1909 1904 1899	13 15 18	428 89 658	14 7 21	46 3 41	368 79 596	415	828 103 801	68 2 57	165 29 197	574 187 672	1,355 1,051 260 1,118	747 477 73
Cutlery and tools, not elsewhere speci- fied.	1909 1904 1899	70 78 66	763 574	73 94	$104 \\ 23 \\ 45$	586 457 390	377	847 649 1,534	123 25 <b>36</b>	362 288 226	460 283 208	1,346 968 738	446 886 685 530
Dyeing and finishing textiles	1909 1904 1899	69 39 32	3,198 1,383 1,143	67 54 44	361 105 70	$2,770 \\ 1,224 \\ 1,029$	2,738	$\begin{array}{c} 4,035 \\ 1,931 \\ 1,709 \end{array}$	619 121 80	1,097 569 458	2,727 401 448	6,003 1,707 1,460	3,276 1,306 1,012
Electrical machinery, apparatus, and supplies.	1909 1904 1899	160 133 104	7,002 6,063 5,763	77 81 95	1, 239 836 900	5,686 5,146 4,768	6,954	$10,623 \\ 10,098 \\ 8,782$	$1,574 \\ 862 \\ 685$	3, 336 2, 460 2, 363	6,837 5,506 5,903	14,788 11,008 10,851	7,951 5,502 4,948
Electroplating	1909 1904 1899	97 77 70	052 698	119 97	53 32 15	480 569 400	477	287 309 193	47 43 11	315 333 225	206 316 131	886 983 578	680 667 447
Enameling and japanning	1909 1904 1899	11 26 28	67 1,637 1,558	$\begin{smallmatrix}&13\\&22\\&33\end{smallmatrix}$	4 127 49	50 1,488 1,476	48	72 4,246 2,669	3 215 43	22 545 538	17 1,027 1,648	77 2,357 2,869	60 1,330 1,221
Engravers' materials	1909 1904 1899	8 6 6	84 44 62	7777	19 4 8	58 33 47	177	130 74 49	28 9 17	52 20 26	194 79 126	328 127 195	134 48 69
Fancy articles, not elsewhere specified.	1909 1904 1899	$150 \\ 125 \\ 103$	3, 649 2, 549 2, 673	172 162 220	532 203 275	2, 945 2, 184 2, 178	2, 413	5,483 1,973 2,148	623 183 212	1,448 964 872	2,890 1,761 1,683	6, 987 4, 331 3, 892	4,097 2,570 2,209
Files	1909 1904 1899	6 6 6	129 84 76	12 8 9	12 3 1	105 73 66	150	109 73 79	13 2	42 54 36	39 36 16	121 119 71	82 83 55
Flags, banners, regalia, society badges, and emblems.	1909 1904 1899	50 47 42	678 472 389	56 51 49	92 57 49	530 364 291	98	757 750 571	74 49 48	203 127 103	712 458 427	1,347 868 814	635 410 387
Food preparations	1909 1904 1899	95 95 87	$2,320 \\ 1,698 \\ 1,425$	102 104 104	404 252 188	1,814 1,342 1,133	2,724	$3,428 \\ 2,266 \\ 1,981$	630 390 206	797 474 437	4, 983 2, 928 2, 699	8, 046 5, 094 4, 443	3, 063 2, 168 1, 744
Foundry and machine-shop products.	1909 1904 1899	923 1 810 2 871	29, 200 29, 075	758 801	4, 428 3, 394 2, 578	24, 014 24, 880 27, 198	33, 453	82, 973 63, 889 58, 929	6, 026 4, 307 3, 333	16,736 16,245 16,165	24,058 21,040 26,468	63, 853 57, 937 61, 182	39, 795 36, 897 34, 714
Fur goods	1909 1904 1899	821 573 512	10, 719 6, 946 5, 578	1,264 906 765	$1,631 \\ 742 \\ 629$	$7,824 \\ 5,298$	857	18,636 10,791 6,918	1, 693 764 617	5, 483 3, 278 2, 386	23, 434 14, 733 8, 433	39, 874 25, 279 15, 239	16,440 10,548 6,806
Furnishing goods, men's	1909 1904 1899	313 223 217	8,051 7,510	409 322	1, 347 940 883	6, 295 6, 248	498	10,326 7,133 7,673	1,688 752 920	2,998 2,151 2,845	15,545 9,804 11,062	25, 496 16, 613 18, 708	9, 951 6, 809 7, 646
Furniture and refrigerators	1909 1904 1899	406 312 200	9,878 7,700 7,987	464 410 268	$^{1,000}_{\begin{array}{c}599\\540\end{array}}$	8,414 6,691 7,179	6,993	11,446 7,225 7,808	1,179 734 622	5,359 4,146 4,087	8,731 5,857 5,950	19, 439 13, 934 14, 004	10,708 8,077 8,054
Furs, dressed	1909 1904 1899	49 49 35	880 852 520	64 64 40	68 50 23	748 738	1,137	735 602 431	86 62 25	512 517 297	253 380 235	1,209 1,400 749	958 1,020 514
Gas and electric fixtures and lamps and reflectors.	1909 1904 1899	149 117 96	5,900 3,974 3,191	127 100 103	916 538 384	4,857 8,836	2,899	8,383 5,462 3,817	1,254 777 456	2,915 1,836 1,465	4,349 3,050 1,884	10, 750 7, 456 4, 964	6, 401 4, 406 3, 080

Excluding statistics for two establishments, to avoid disclosure of individual operations.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

											STRIES-0	Jonanaea.	
	}		PERSO	NS ENGA	GED IN I	NDUSTRY.							Value
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prictors and firm mem-	Salaried employ- ees.		Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	added by manu- facture.
				bers.		ber).			I	xpressed	in thousan	ds.	
NEW YORK CITY-Contd.												-	
Gas, illuminating and heating	1909 1904 1899	15 12 13	6,296 6,324 5,026		1,970 1,207 961	4,326 5,117 4,065	23, 177	\$203,758 164,523 134,178	\$2,320 1,396 1,031	\$3,115 3,675 3,037	\$12,736 9,347 5,041	\$34,117 29,715 17,116	\$21, 381 20, 368 12, 075
Glass	1909 1904 1899	9 10 9	948 1,160 1,046	3 4 6	61 61 46	884 1,095 994	450	1,267 1,160 849	95 88 49	487 627 441	281 498 287	1,128 1,552 940	847 1,054 653
Glass, cutting, staining, and orna- menting.	1909 1904 1899	111 94 108	2,360 1,831 1,557	126 121 141	182 101 114	2,052 1,609 1,302	529	1,908 1,032 1,107	250 135 111	1,352 1,024 759	1,130 756 1,138	3,448 2,577 2,641	2,318 1,821
Gloves and mittens, leather	1909 1904 1899	38 17 34	465 293 548	46 23 38	23 8 27	396 262 483	17	316 147 245	25 5 25	195 127 192	291 159 236	2, 641 668 374 586	1,503 377 215
Gold and silver, leaf and foil	1909 1904 1899	34 37 36	402 481 509	39 47 43	15 37 20	348 397 446	41	285 396 402	10 30 22	201 220 200	476 505 652	833 945 1,184	350 357 440
Gold and silver, reducing and refining, not from the ore.	1909 1904 1899	10 5 14	64 43 80	13 6 18	9 3 8	42 34 54	97	540 317 602	13 20 10	34 27 39	2,396 3,689 4,314	2,603 3,776 4,528	532 207 87
Hair work	1909 1904 1899	126 39 44	2,704 492	160 49	253 68 22	2, 291 375 353	2	3,250 679 446	230 57 19	1,050 162 139	4, 482 461 277	7,817 998	214 3,335 537
Hand stamps and stencils and brands.	1909 1904 1899	46 47 50	436 376 428	45 54 61	75 39 22	316 283 345	104	364 281 359	83 49 25	191 145 166	155 96 128	771 578 452 552	494 423 356 424
Hais and caps, other than felt, straw, and wool.	$1909 \\ 1904 \\ 1899$	226 188 256	3,822 3,856 4,686	324 302 372	288 173 188	3,210 3,381 4,126	399	2,688 1,819 2,475	378 187 189	1,940 1,795 1,896	3, 730 3, 196 4, 055	7,515 6,657 7,932	$3,785 \\ 3,461$
Hats, fur-felt	1909 1904 1899	33 30 7	1,993 1,842 1,471	32 34 4	191 123 72	1,770 1,685 1,395	781	2,947 2,336 1,447	222 132 139	1,084 1,065 867	2,567 1,619 891	4,765 3,899 2,241	3,877 2,198 2,280
Hosiery and knit goods	1909 1904 1899	180 102 73	6,082 4,329 2,713	203 120 88	498 184 167	5,381 4,025 2,521	1,551	8,003 4,582 2,727	653 220 195	2,353 1,451 924	7,515 3,149 1,832	13,565 6,235 3,628	1,350 6,050 3,086
House-furnishing goods, not elsewhere specified.	1909 1904 1899	73 49 51	809 1,055 1,429	86 56 65	111 140 151	702 859 1,213	338	1, 225 1, 193 979	113 113 113 118	341 381 418	1,503 1,503 1,362 1,794	2,534 2,471 2,891	1,796 1,031 1,109
Ice, manufactured	1909 1904 1899	37 35 26	803 584 314	11 11 13	107 69 45	685 504 256	14,794	4, 454 5, 125 2, 043	200 74 38	547 363 163	839 523 231	2,813 1,502 900	1,097 1,974 979 669
Ink, printing	1909 1904 1899	26 24 22	883 422 336	18 28 22	357 123 123	508 271 191	2,199	2,998 1,372 1,057	574 181 152	358 179 117	1,850 1,070 681	3,965 2,256 1,381	2,115 1,186 700
Ink, writing	1909 1904 1899	6 6 6	213 171 118	5 8 8	62 36 13	146 127 97	58	602 542 431	120 78 26	62 52 47	283 214 255	737 562 499	454 348 244
Instruments, professional and scien- tific.	1909 1904 1899	63 61 81	1,358 777 759	55 58 106	222 72 71	1,081 647 582	1,416	2, 420 820 761	272 85 59	678 375 344	654 300 255	1,909 1,109 983	1,255 809 728
Jewelry	1909 1904 1899	438 263 229	6,668 4,615 3,448	553 376 333	1,076 502 282	5,039 3,737 2,833	1,445	12, 253 8, 230 5, 454	1,091 542 270	8, 617 2, 436 1, 901	10,004 5,643 5,160	19,236 11,348 9,712	9,232 5,705
Jewelry and instrument cases	1909 1904 1899	57 47 33	878 781 465	66 65 42	76 68 28	736 648 395	93	761 536 318	75 66 19	895 292 180	532 437 235	1,353 1,102	4,552 821 665
Kaolin and ground earths	1909 1904 1899	10 6 5	107 150 49	8 7 9	10 14 2	89 129 38	345	135 245 78	14 24 3	47 75 22	138 204 73	658 245 376	423 107 172
Lasts	1909 1904 1899	6 6 8	225 176 120	2 4 7	28 13 10	195 159 103	285	197 166 79	53 23 13	135 95 58	144 52 50	134 455 259	61 311 207 128
Lead, bar, pipe, and sheet	1909 1904 1899	6 6 5	211 177 106	1 3 7	33 27 22	103 177 147 77	1,127	945 081 535	72 50 28	114 93	1,574 2,700 1,310	186 1,891 3,098	136 317 398 282
Leather goods	1999 1909 1904 1899	389 331 277	7,672 7,356	485 440	886 579	6,301 6,337	946	7,912 5,524	1,026 542	42 3,440 2,711	10,049 7,955	1,592 17,775 14,525	7,726 6,570
Leather, tanned, curried, and finished	1909 1904 1899	277 20 21 17	533 691 804	18 29 25	475 62 56 29	4, 658 453 600 750	985	4,406 1,177 1,684 2,365	435 89 63 33	2,046 235 299 362	5,526 1,276 1,598 2,474	10,400 1,946 2,228 3,331	4,874 670 630 .857

四月日 日前日日 百日

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSOI	IS ENGA	JED IN IN	DUSTRY.							
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem- bers.	Salaried employ- ees.	Wage earners (average num- ber).	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials. ssed in thou	Value of products.	Value added by manu- facture.
NEW YORK CITY-Contd.										13xpres		sands,	
Liquors, malt	1909 1904	74 89	6,878 6,591	20 25 30	1,065 1,122	5,793 5,444	31, 37 <b>8</b>	\$87,006 75,699	\$3,345 3,028	\$4,936 4,513	\$12,797	\$53,469	\$40,672
Looking-glass and picture frames	1899	89 115	5,845 1,509	30 122	207	4,824 1,180	543	05,586 1,609	2, 543 256	3,854 711	10,991 7,689 1,230	43,168 39,106	42,177 81,417
TROWING PAGE AND LYONARD TRANSPORT	1904 1899	- 96 106	1,217	112 	127 119	978 1,140		903 1,077	148 131	567 611	725 1,110	2, 991 2, 046 2, 627	1,761 1,321 1,517
Lumber and timber products	1909 1904 1899	275 257 196	9,292 8,711 6,089	255 327 246	887 728 403	8,150 7,656 5,440	19,240	17,227 14,273 8,611	1,152 929 474	5,214 4,544 3,054	14,104 9,972 8,303	$\begin{array}{r} 24,122 \\ 21,219 \\ 14,352 \end{array}$	10,018 11,247 6,049
Marble and stone work	1909 1904 1899	247 168 193	4,795 5,389	255 215	478 409 282	4,062 4,765 4,217	10,711	10,055 7,550 6,513	738 552 341	3,785 4,384 3,179	5,058 4,474 3,954	12,205 11,915 10,244	7,149 7,441 6,290
Mattresses and spring beds	1909 1904 1899	122 92 95	1,454 1,195 1,078	130 115 122	211 131 104	1,113 949 852	819	2,046 1,092 813	192 119 130	668 525 443	2,601 2,025 1,435	4,367 3,381 2,744	1,766 1,356 1,309
Millinery and lace goods	1909 1904 1899	886 548 383	24,712 18,280 12,952	1,181 703 559	2,970 1,816 1,180	20, 561 15, 671 11, 213	3, 372	19,413 11,035 7,692	3,178 1,458 1,052	9,419 6,083 4,014	26,761 16,714 11,164	51,239 32,343 20,984	24,478 15,629 9,820
Mirrors	. 1909 1904 1899	37 34 31	938 961 1,055	46 54 51	110 98 91	782 809 913	835	$1,329 \\ 1,058 \\ 1,427$	128 91 107	502 428 509	$1,582 \\ 1,809 \\ 2,467$	2, 612 2, 743 3, 884	1,030
Models and patterns, not including paper patterns.	1909 1904 1899	96 62 72	1,094 653 527	110 76 87	130 75 26	854 502 414	526	1,254 041 410	169 71 27	563 292 297	560 280 182	2,095 1,015 766	
Musical instruments and materials, not specified.	1909 1904 1899	37 45 42	304 485 422	37 49 42	32 34 30	235 402 350	126	354 1,134 997	28 48 39	132 217 197	168 257 209	469 737 566	480
Musical instruments, pianos and organs and materials.	1909 1904 1899	133 117 105	9, 305 8, 262 6, 246	84 101 121	794 678 376	8, 427 7, 483 5, 749	6,033	23,086 16,638 11,518	$1,434 \\ 1,056 \\ 557$	5,773 4,805 8,469	13, 191 8, 718 5, 654	25,516 18,930 12,881	10,212
Paint and varnish	- 1909 1904 1899	113 99 93	4, 319 3, 816 3, 239	60 86 40	1,457 815 708	2,802 2,915 2,491	8,925	20, 267 17, 837 15, 830	2,134 1,194 1,270	1,733 1,657 1,401	16,813 15,725 11,476	26,664 22,830 17,553	7,105
Paper goods, not elsewhere specified.	. 1909 1904 1899	82 1 65 1 66	4, 271 3, 415 2, 664	55 71 75	341	3,485 3,003 2,259	3, 311	6, 525 4, 561 3, 929	894 462 400	1,428 1,070 870	4, 566 3, 349 2, 837	8,833 6,197 5,094	2,848
Patent medicines and compounds and druggists' preparations.	1909 1904 1899	433 371 277	5,450 4,482 4,588	201 290 205	1,359	3,172 2,827 3,120	2,928	12,860 10,062 12,425	1.886	1,556 1,289 1,268	9,281 6,231 7,774	18,116	11,885
Pens; fountain, stylographic, and gold	. 1909 1904 1899	30 24 23	1,108 764 519	25 20 25	131	730 613 406	192	1,853 881 509	133	427 362 240	876	1,94	5 1,069
Photo-ongraving	. 1909 1904 1899	46 36 47		25 20 65	171	1,187 808 007	275	807 768 491	208	1,195 754 518	490 385 206	1,78	2 1,397
Pipes, tobacco	1909 1904 1899	21 27 34	1,772 1,183 958	80 41 41	36	$1,582 \\ 1,106 \\ 837$	701	2,148 679 663	35	508	901	. 1,79/	7 1,729 5 804 3 871
Pottery, terra-cotta, and fire-clay products.	1909 1904 1899	10 15 17	647 1,140 1,023	11 11 12	93		705	1,589 2,325 1,867	116 143 91	524	. 337	1,29	2 955
Printing and publishing	. 1909 1904 1899	$2,883 \\ 2,325 \\ 1,840$	74,118 60,233 47,178	2,352 2,165 1,997	23,444 17,711 8,837	40,357	37,835	123,140 100,388 79,577	19,643	35,097 27,092 22,589	46, 513 32, 417 26, 101	3 183,50 7 138,50 98,67	0 12,014
Rubber goods, not elsewhere specified	1909 1904 1899	36 43 50	1,101 2,300 2,118	81 83 51	190 269 192	940 1,998 1,871	2,916	2,861 3,237 3,378	349 387 253	796	3,003	1 3,04 3 5,52 3 4,60	1 2,018
Saws	. 1909 1904 1809	7 8 6	152 147 16					213 310 20	27	51	66	3 22	0 160 8 20
Sewing machines, cases, and attach- ments.	- 1909 1904 1899	10 9 11	1 74		5   11	58	<b></b>	128 81 120	12	35	j 28	3 9	4 7J 4 14(
Shipbuilding, izcluding boat building		71 76 90	4,328 4,996	60	3 240 7 260	$4,022 \\ 4,649$	9,750	10,166 8,804 5,893	456	2,732 3,342	2 2,692	2 8,38 9 8,40	9 5,097 9 5,440 12 4,122
Show cases	1909 1904 1899	17 13 11	452 272	2 1 1	3 50 7 14 3 23	379 241	476	463 160 151	68 16 20	200 138 120	3 376 3 180 3 171	$egin{array}{ccc} 4 & 81 \ 5 & 46 \ 2 & 41 \ \end{array}$	6 44 52 27 0 23
Silk and silk goods, including throw- sters.	- 1909 1904 1899	118 84 68	7,901		L 700	7,117		13,147 10,145 7,078	787	2,931	5 8,490 1 7,070 9 4,710	0 16,95 0 14,03 5 9,52	61 0.00

<sup>1</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSO	NS ENGA	GED IN IN	DUSTRY.							Value
INDUSTRY.	Census.	Num- ber of estab- lish- monts.	Total.	Pro- prietors and firm	Salaried employ- ees.	Wage earners (average num-	Primary horse- power.	Capital,	Salaries.	Wages.	Cost of materials.	Value of products.	added by manu- facture.
			- <u></u>	mem- bers.		ber).			F	xpressed	in thousan	ds.	
NEW YORK CITY-Contd.	-					t he '							
Silverware and plated ware	1909 1904 1899	42 32 47	1,852 1,806 2,154	43 36 61	368 216 246	$1,441 \\ 1,554 \\ 1,847$	1,144 	\$3,794 3,153 3,160	\$398 260 260	\$978 905 1,068	\$1,865 1,472 1,804	\$4,199 3,505 4,106	\$2, 33 2, 03 2, 30
Slaughtering and meat packing	1909 1904 1899	112 63 80	4,863 2,633 2,484	127 84 103	812 380 305	$3,924 \\ 2,169 \\ 2,016$	8,715 	25,185 12,055 9,458	$1,212 \\ 558 \\ 419$	3,171 1,793 1,357	83, 834 49, 929 38, 355	95,862 55,938 43,360	12,02 6,00 5,00
melting and refining, not from the ore.	1909 1904 1899	11 8 7	331 . 187 . 244	16 9 9	81 33 75	$234 \\ 145 \\ 160$	285	2,694 1,197 819	109 79 97	161 86 127	7,776 4,426 1,428	8,417 4,845 2,074	64 41 64
loap	1909 1904 1899	41 42 50	<b>2,</b> 191 1,454 1,223	34 43 50	622 223 192	$1,535 \\ 1,188 \\ 981$	3,144	8,912 4,491 4,055	563 300 244	840 574 468	9,169 4,717 4,529	13,925 7,929 7,730	4,75 3,21 3,20
tationery goods, not elsewhere spec- ified.	1909 1904 1899	49 33 35	788 651 777	46 •29 38	200 117 100	542 505 639	245 	1,158 1,038 1,091	221 119 97	277 224 257	770 660 635	$1,748 \\ 1,387 \\ 1,512$	97 72 87
iteam packing	1909 1904 1899	25 17 21	839 659 148	14 13 22	98 71 43	727 575 83	1,210	2,707 3,927 253	166 142 52	352 263 49	1,197 553 123	2,090 1,524 348	59 97 22
Stereotyping and electrotyping	1909 1904 1899	34 28 26	1,036 833 507	26 36 29	220 120 70	790 677 468	1,180	$1,054 \\ 1,033 \\ 604$	300 137 66	771 597 339	547 321 209	$1,961 \\ 1,380 \\ 860$	1,41 1,05 65
toves and furnaces, including gas and oil stoves.	1909 1904 1899	23 15 7	$1,342 \\ 430 \\ 204$	17 16 8	202 59 29	1,123 355 167	2,596	3,185 922 434	280 78 26	746 226 83	1,605 426 413	$     \begin{array}{r}       3,106 \\       1,081 \\       622     \end{array} $	1,50 05 20
urgical appliances and artificial limbs	1909 1904 1899	49 42 46	514 539 *271	49 41 48	$127 \\ 75 \\ 46$	338 423 177	172	682 507 228	139 69 34	208 239 105	381 243 93	1,119 873 480	73 62 38
Fobacco manufactures	1909 1904 1899	$2,036 \\ 2,178 \\ 1,854$	26,664 29,294 24,345	2,199 2,350 2,050	$1,944 \\ 1,495 \\ 1,018$	22,521 25,449 21,277	2,115	34,003 40,641 16,804	2,607 1,518 1,315	10,307 10,958 9,129	25,430 19,522 15,323	62,488 50,525 41,828	37,05 31,00 26,50
Foys and games	1909 1904 1899	59 35 38	1,284 591 542	61 36 46	128 32 33	1,095 523 463	297	1,075 527 531	121 38 37	415 189 173	753 281 304	1,634 740 736	88 45 43
Type founding and printing materials.	1909 1904 1899	23 22 21	260 272 455	17 17 14	54 45 49	189 210 392	217	511 735 878	85 53 71	131 134 218	357 145 252	749 554 781	39 40 52
Cypewriters and supplies	1909 1904 1899	27 16 14	905 629 569	19 9 7	226 106 96	660 514 466	407	2, 251 1, 125 998	248 107 87	385 279 251	729 322 269	1,961 1,081 911	1,23 75 64
Umbrellas and canes	1909 1904 1899	134 94 92	2,322 1,812	170 130	255 192 193	1,897 1,490 1,556	495	2, 219 1, 262 1, 551	248 159 156	899 614 601	4,113 2,847 3,240	6,374 4,689 5,081	$2,20 \\ 1,84 \\ 1,84$
Vinegar and cider	1909 1904 1899	4 4 8	57 50 74	2 4 8	15 6 • 3	40 40 63	75	133 06 229	13 4 2	20 16 36	83 63 60	131 110 133	4 5 7
Wall paper	1909 1904 1899	7 5 12	811 858 1,896	2 2 6	143 73 197	666 783 1,693	566	2,020 1,906 3,098	$     \begin{array}{r}       190 \\       96 \\       352     \end{array} $	359 391 911	$1,144 \\ 1,069 \\ 2,005$	2,437 2,207 3,888	1,29 1,22 1,88
Wall plaster	1909 1904 1 1899	12 11	912 782	5 9	103 68	804 705	3,730	3,833 2,361	228 95	429 371	1,755 1,456	2,903 2,173	1,14
Window shades and fixtures	1909 1904 1899	67 32 33	761 694	72 36	167 119 66	522 539 317	130	1, 717 993 848	206 131 78	299 196 147	$3,015 \\ 1,349 \\ 1,476$	4,125 1,979 2,011	
Wirework, including wire rope and cable.	1909 1904 1899	67 117 65	$1,200 \\ 2,066 \\ 712$	68 155 79	158 237 60	974 1,674 573	724	$1,672 \\ 1,827 \\ 769$	208 215 64	534 829 282	$1,152 \\ 1,134 \\ 445$	2,358 3,015 1,090	1,20 1,80 6
Wood, turned and carved	1909 1904 1899	82 85 104	1,012 500 673	104 104 126	17	828 379 526	824	910 873 471	103 17 15	493 257 333	662 260 285	1,707 771 928	1,04 51 64
Woolen, worsted, and felt goods, and wool hats.	1909 1904 1899	11 5 29	468 163 989	13 12 11	36 9 100	419 142 878	565	1,036 191 1,231	34 10 90	207 67 258	963 267 510	1,512 427 1,145	5 1( 6
All other industries	1909 1904 1899	1,421 1,292 1,229	38, 104 37, 852	1,461 1,473	5,921 4,166 2,808	80,722 32,213 26,440	60,664	159,735 147,922 140,217	5,145	17,811 16,957 12,827	208, 475 203, 858 153, 068	272, 198 260, 509 188, 761	63, 71 56, 64 35, 69

<sup>1</sup> Not reported separately.

<sup>2</sup> Excluding statistics for two establishments, to avoid disclosure of individual operations.

864

## TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSONS	ENGAGE	D IN INDI	JSTRY.						onenided.	
INDUSTRY,	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem-	Salaried employ- ees.	Wage earners (average num- ber)	Primary horse- power.	Capital.	Salaries.	Wages,	Cost of materials.	Value of products.	Value added by manu- facture,
· · · · · ·				bers.		ber).			1	Expressed	in thousand	ls,	
NEW YORK CITY-Man- hattan and Bronx Bor- oughs-All industries.	1909 1904 1899	19, 769 15, 975 14, 362	500, 299 410, 324	22,658 19,387	77, 849 51, 716 35, 661	399, 792 339, 221 285, 265	213,964 	\$822,726 620,526 511,918	\$94,971 56,758 40,725	\$237,467 182,080 146,505	\$725, 456 507, 030 398, 076	\$1,431,089 1,043,252 810,808	\$705,633 536,222 412,732
Artificial flowers and feathers and plumes.	1909 1904 1899	301 138 142	9,652 3,582 4,387	397 191 215	899 208 229	8,356 3,183 3,943	195 	7,838 1,803 2,923	1,023 174 227	3,412 1,071 1,233	12,209 1,429 2,180	21,024 3,900 4,955	8,815 2,471 2,775
Artificial stone	1909 1904 11809	10 8	128 332	6 12	10 26	112 294	70	67 116	10 31	96 127	89 91	262 330	173
Baskets, and rattan and willow ware	1909 1904 1899	19 20 18	208 260 129	21 24 20	18 23 1	169 213 108	8	131 80 32	14 15 1	96 107 58	145 86 43	358 274 145	213 188 102
Belting and hose, leather	1909 1904 1899	15 11 8	302 107 441	11 9 6	106 28 66	185 70 369	722	1,732 169 1,762	111 27 79	$     \begin{array}{r}       118 \\       42 \\       229     \end{array} $	1, 383 232 1, 733	2,730 378 2,323	1, 347 148 590
Blacking and cleansing and polishing preparations.	1909 1904 1899	49 38 33	594 519 495	84 33 39	213 139 124	847 347 332	206	766 780 642	224 179 162	152 152 147	824 802 728	1,699 1,609 1,454	875 807 726
Bluing	1909 1904 1899	4 7 7	26 64 83	3 5 8	8 8 15	$15 \\ 51 \\ 60$	10 	19 60 76	7 10 14	7 25 25	35 89 97	70 173 212	85 84 115
Boots and shoes, including cut stock and findings.	1909 1904 1899	98 79 112	2,695 2,299 2,488	111 107 143	297 127 168	2,287 2,065 2,177	590	2,589 2,067 1,875	292 140 149	$1,170 \\ 930 \\ 1,029$	3,186 2,997 2,845	5,505 4,887 4,778	2,319 1,890 1,933
Boxes, cigar	. 1909 1904 1899	24 22 27	1,354 1,517 913	23 28 31	105 91 45	$1,226 \\ 1,308 \\ 837$	912	911 865 545	137 111 39	547 610 332	891 883 527	1,796 1,847 1,066	905 964 539
Boxes, fancy and paper	. 1909 1904 1899	172 137 139	6,247 5,948 5,294	204 103 178	428 378 290	5,615 5,407 4,820	1,284	3,260 2,560 1,950	487 366 243	2,270 1,935 1,664	3, 205 2, 781 2, 036	7,489 6,584 5,240	4, 284 3, 803 8, 204
Brass and bronze products	. 1909 1904 1899	116 93 92	2,694 2,100 1,823	119 115 110	298 147 122	2,277 1,838 1,591	1,957	4, 150 2, 643 2, 005	381 184 153		2,442 1,434 1,249	5, 424 3, 487 2, 892	2,982 2,053 1,643
Bread and other bakery products	. 1909 1904 1899	1,325 1,070 1,011	13,772 10,550 9,825	1,415 1,120 1,062	$1,444 \\ 605 \\ 1,085$	10,913 8,825 7,678	5,377	19, 174 12, 329 10, 027	1,268 526 890	5,080	25,703 17,946 12,066	29,880	16, 175 11, 934 9, 880
Brooms and brushes	. 1909 1904 1899	65 59 52	1,074 1,072 901	76 71 63	131 104 66	867 897 772	198	994 984 802	131 88 58		1,036 1,066 828	2,097 1,847 1,498	1,001 781 670
Buttons	. 1909 1904 1899	128 41 30	2,661 1,866 1,206	177 55 39	225 127 48	2,259 1,684 1,119	480	1,809 806 499	238 136 45	614		2,109	1,266
Canning and preserving	. 1909 1904 1899	47 2 52 3 47	1,077 1,027	45 68	184 150 125	848 803 546	978	2, 893 2, 238 919	216 171 148	337	2,780 2,393 1,501	4, 524 4, 139 2, 475	1,746
Carpets, rag	. 1909 1904 1899	4 6 10	34 35 30	4 8 11	3	27 27 17	18	19 7 15	2	10	14 8 7		24 19
Carriages and wagons and materials.	. 1909 1904 1899	111 2 111 8 111	1,542 1,942	130 129	90 140 100	1,322 1,673 1,662	1,164	1,832 2,781 2,508	162 198 111	1,134	1,075 890 926	3,111	2,035
Clocks and watches, including eases and materials.	1909 1904 1899	13 12 4 8	197 182 133	8 10 6	52 27 13	137 145 114	49	379 524 156	74 37 24	111	207	432 517 367	310
Clothing men's, including shirts	1904 1899	$1,954 \\ 1,464 \\ 1,561$	59,473 40,750	2,898 2,175	6,199 3,627 3,160	50, 376 34, 948 27, 346	4,833	82,224 48,057 39,226	7,466 3,767 3,218	18,579	57,959	140,393	66,720 52,694
Clothing, women's.	1904 1899	2,696 1,981 1,479	102,947 76,383 48,152	3,946 3,003 2,219	11,620 6,734 3,868	87,381 66,646 42,065	9,359	77, <b>195</b> 42,670 26,386	12,769 6,166 3,856	33,293 19,933	53,873		77,280 48,092
Coffee and spice, ronsting and grinding	1909 1904 1899	53 45 41	1,378 908 928	66 58 65	567 304 332	745 636 531	2,325	3,117 4,236 2,374	615 354 345	351	8,406	10,533	2,127
Confectionery	- 1909 1904 1899	95 80 72	5,768 4,900	89 94	746 532 413	4, 933 4, 274 3, 145	5,114	7,146 5,135 3,044	1,007	1,845 1,553	10, 135 6, 961 4, 681	16,215 11,579 7,613	4,618 2,932
Cooperage and wooder, goods, not elsowhere specified. Copper, tin, and sheet-iron products.	1899	21 20 30	130 283	28 27	10 13 16	94 243 279		159 279 414	12 20	172	361 421	632 777 10,307	271 356 5,547
copper, on, and succention products.	1904 1899	308 258 969	4,983 4,096	279 291	608 363 214	4,096 3,442 2,923	2,325	6,743 5,564 3,580	451	2,181	3,152	7,692	5,547 4,546 3,993

Not reported separately.
Excluding statistics for two establishments, to avoid disclosure of individual operations.
Excluding statistics for one establishment, to avoid disclosure of individual operations.
Excluding statistics for three establishments, to avoid disclosure of individual operations.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

1			PERSONS	ENGAGE	ed in Indu	JSTR¥,							Value
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ- ees.	Wage earners (average num-	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	added by manu- facture.
				mem- bers.		ber).			E	Expressed	in thousand	1s.	
NEW YORK CITY-Man- hattan and Bronx Bor- oughs-Continued.								,	}				
Corsets	1909 1904 1899	35 26 25	2, 246 864	34 30	252 81 59	1,960 753 785	378 	\$1,863 647 451	\$317 56 80	\$839 257 224	<b>\$2,</b> 039 453 494	\$4,290 1,168 1,104	\$2,251 715 610
Cutlery and tools, not elsewhere speci- fied.	1909 1904 1899	48 53 45	514 416	50 62	75 21 33	389 333 235	260 	556 466 1,302	102 23 26	265 215 130	280 223 152	968 766 489	688 543 337
Dyeing and finishing textiles	$1909 \\ 1904 \\ 1899$	54 29 21	2,660 1,036 887	56 38 27	301 63 46	2,303 935 814	1,956	3,305 1,444 1,270	501 79 60	870 437 359	2,372 294 347	5, 110 1, 248 1, 132	2,738 954 785
Electrical machinery, apparatus, and supplies.	1909 1904 1899	134 116 90	6,017 5,520 5,265	64 67 79	1,074 769 842	4,879 4,684 4,344	5,579	8,457 9,657 8,343	1,329 797 640	8,003 2,212 2,197	5,174 5,005 5,504	$\begin{array}{c} 12,012 \\ 10,022 \\ 10,081 \end{array}$	6,838 5,017 4,577
Electroplating	1909 1904 1899	84 68 61	564 614	99 82	52 25 14	413 507 335	382	246 269 165	45 40 11	277 298 191	188 299 114	789 899 505	601 600 391
Fancy articles, not elsewhere specified.	1909 1904 1899	$125 \\ 198 \\ 146$	$2,280 \\ 1,705 \\ 2,335$	$146 \\ 124 \\ 196$	396 150 245	1,738 1,431 1,894	545 	3,025 1,472 1,904	391 137 183	806 624 782	$1,942 \\ 1,271 \\ 1,531$	4,403 3,130 3,521	2,461 1,859 1,990
Flags, banners, regalia, society badges, and emblems.	1909 1904 1899	39 40 33	647 455 337	45 44 39	92 57 48	$510 \\ 354 \\ 250$	96 	745 738 550	74 49 47	194 123 87	699 452 407	1,310 844 754	611 392 347
Food preparations	1909 1904 1899	53 61 55	$1,429 \\ 1,211 \\ 995$	60 56 55	236 214 158	$1,133 \\ 941 \\ 782$	1,731	2,028 1,640 1,193	387 346 183	530 348 321	3,350 2,269 2,050	5,331 4,039 3,467	$1,981 \\ 1,770 \\ 1,417$
Foundry and machine-shop products.	1909 1904 1899	566 2 514 2 574	12,851 14,598 17,415	479 508 636	$1,982 \\ 1,645 \\ 1,536$	10,390 12,445 15,243	11,331	26, 212 25, 627 26, 892	2,483 2,043 1,935	7,163 8,300 9,369	$11,372 \\ 11,460 \\ 14,989$	27,419 29,780 34,699	16,047 18,320 19,710
Fur goods	1909 1904 1899	804 558 482	$10,271 \\ 6,679 \\ 5,228$	1,247 889 728	1,551 709 580	7,473 5,081 3,920	754	$17,826 \\ 10,201 \\ 6,285$	1,629 730 574	5,323 3,158 2,232	22,729 14,349 8,018	$38,682 \\ 24,613 \\ 14,444$	$15,953 \\ 10,264 \\ 6,426$
Furnishing goods, men's	1909 1904 1899	297 <sup>8</sup> 199 206	7,474 6,001	389 288	1,273 834 839	5,812 4,879 7,146	431	9,616 6,472 7,181	1,621 699 894	2,828 1,811 2,607	15,058 8,889 10,668	24,640 14,986 17,540	9,582 6,097 6,872
Furniture and refrigerators	1909 1904 1899	320 248 160	7,000 5,712 6,441	349 314 209	740 474 446	5, 911 4, 924 5, 786	4, 498	8,128 5,415 6,535	841 549 515	3,854 3,192 3,398	5,820 4,538 4,750	13,537 10,838 11,391	7,717 6,300 6,641
Gas and electric fixtures and lamps, and reflectors.	1909 1904 1899	122 96 72	4, 994 3, 259 2, 669	98 83 77	779 445 315	4, 117 2, 731 2, 277	2,335	7,084 4,663 3,070	1,065 663 383	2,494 1,530 1,234	3,649 2,546 <b>1,64</b> 8	9,179 6,281 4,279	5,530 3,735 2,631
Gas, illuminating and heating	1909 1904 1899	6 5 5	2,998 3,738 3,636		1,171 742 765	1,827 2,996 2,871	9,216	92,654 79,631 65,219	1,403 899 834	1,310 2,175 2,052	7,242 5,322 3,234	17,923 17,818 10,797	10,681 12,496 7,563
Glass, cutting, staining, and ornament- ing.	1909 1904 1899	69 64 77	1,375 1,131 1,197	78 76 104	128 72 95	1, 169 983 998	287	1,265 803 897	179 106 96	815 654 602	660 482 942	2, <i>054</i> 1,710 2,143	$1,394 \\ 1,228 \\ 1,201$
Gold and silver, leaf and foil	1909 1904 1899	15 18 17	268 349 328	18 27 22	13 37 19	237 285 287	20	203 344 318	9 30 22	145 172 139	336 404 514	610 755 931	274 351 417
Hair work	1909 1904 1899	120 35 36	2, 627 455	152 45	251 68 20	2, 224 342 328	2	3,180 641 427	230 57 18	1,031 155 131	4,433 448 266	7,716 970 734	3,283 522 468
Hats and caps, other than felt, straw, and wool.	1909 1904 1899	205 180 237	3, 190 3, 442 4, 521	297 287 349	240 160 174	2, 653 2, 995 3, 998	264	2,191 1,583 2,409	303 174 177	1,648 1,654 1,858	3,184 2,958 3,902	6,400 6,103 7,659	3,216 3,145 3,757
Hats, für-felt	1909 1904 1899	26 23 3	690 549 182	28 31	92 56 23	570 462 159	198	722 269 60	90 49 16	366 279 68	1,271 657 181	2,108 1,242 842	837 585 161
Hosiery and knit goods		54 30 32	1,270 1,137 1,224	71 39 38	179 127 100	1,020 971 1,086	160	1,661 889 1,084	173 119 103	440 323 362	1,964 975 738	3, 505 1, 967 1, 491	1,541 992 753
House-furnishing goods, not elsewhere specified.	1909 1904 1899	64 43 40	759 871 983	76 51 50	99 122 107	584 698 826	258	996 980 601	101 95 90	291 304 272	1,298 1,144 1,491	2, 185 2, 074 2, 281	887 930 790
Ice, manufactured	1909 1904 1899	16 17 8	482 392 135	2 6 2	64 87	416 349 121	8,146	2,330 3,707 1,063	90 38	826 261 · 76	556 369 117	1,870 1,075 494	1, 314 706 377
Ink, printing	1	14 16 14	478 242	12 23 20	208 75	258 144 119	1, 321	1,952 764 754	364	166 95	851 531	2,038 1,292 827	1,187 761 399

Excluding statistics for nine establishments, to avoid disclosure of individual operations.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Excluding statistics for five establishments, to avoid disclosure of individual operations.

53063°-12-55

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSO	NS ENGA	GED IN IN	DUSTRY.							
INDUSTRY,	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem- bers.	Salarled employ- ees.	Wage earners (averago num- ber).	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products,	Value added by manu- facture,
NEW YORK CITY-Man- hattan and Bronx Bor- oughs-Continued.					·					LApressed	1 in thousar	ids.	
Instruments, professional and scien- tific.	1909 1904 1899	40 41 55	433 437 415	20 33 67	77 40 40	327 364 308	209	\$649 402 432	\$81 46 33	\$217 209	<b>\$246</b> 176	\$714 680	\$468 504
Jewelry	1909 1904 1899	$414 \\ 255 \\ 221$	6, 391 4, 543 3, 341	524 363 319	1,043 498 278	4,824 3,682 2,744	1,351	11,926 8,159 5,106	1,073 538 265	180 3,482 2,407 1,839	169 9,348 5,605	612 18, 305 11, 253	443 8,957 5,648
Jewelry and instrument cases	1909 1904 1899	54 44 28	792 695 376	64 61 35	68 59 24	660 575 317	92	641 501 282	69 54 18	372 275 161	4,762 503 419 219	9,173 1,285 1,043	4, 411 782 624
Leather goods	1909 1904 1899	327 290 236	6,995 6,913	418 392	814 558 469	5,763 5,963 4,410	853	6,939 5,088 4,228	930 517 430	3,214 2,552 1,943	9,407 7,665 5,345	601 16,452 13,917 9,993	382 7, 045 6, 252
Leather, tanned, ourried, and finished.	1909 1904 1899	9 9 8	137 170	6 16	34 17 12	97 187 149	248	495 457 1,072	55 16 10	65 83 83	512 408 592	821 615 771	4,648 309 207 179
Liquors, malt	1909 1904 1899	36 41 42	4, 334 3, 782 3, 506	11 17 19	651 592 567	3,672 3,173 2,920	20, 696	56,208 50,004 46,281	1,906 1,650 1,506	3,102 2,674 2,335	8,231 6,548 4,738	34,412 26,195 24,460	26,181 19,647 19,722
Looking-glass and picture frames	1909 1904 1899	94 85 89	1,210 1,138	98 101	181 126 111	931 911 1,076	334 	1,248 819 995	229 147 126	578 536 579	958 647 1,040	2,387 1,894 2,476	1,429 1,247 1,436
Lumber and timber products	1909 1904 1899	167 1 169 123	3, 835 4, 055 2, 932	$163 \\ 220 \\ 145$	450 417 226	3, 222 3, 418 2, 561	7,026	5,547 5,294 3,872	542 531 254	2,244 2,273 1,459	5,177 4,570 3,949	9,787 9,713 6,980	4,610 5,143 3,031
Marble and stone work	1909 1904 1899	96 2 89 105	2, 331 3, 740	101 113	257 303 233	$\substack{1,973\\3,324\\2,846}$	6,330	5,268 4,864 3,930	405 417 274	1,863 3,098 2,136	2,799 3,085 2,633	6,397 8,260 7,017	3,598 5,175 4,384
Mattresses and spring beds	1909 1904 1899	88 71 73	1,139 981 972	92 88 96	165 112 101	882 781 775	655	1,778 853 752	$152 \\ 106 \\ 129$	543 440 403	2,180 1,785 1,330	3,607 2,930 2,530	1,427 1,145 1,200
Millinery and lace goods	1909 1904 1899	821 515 361	$22,490 \\ 17,286 \\ 12,304$	1,103 750 534	$2,789 \\ 1,725 \\ 1,161$	18,598 14,811 10,609	2,972	$17,863 \\ 10,529 \\ 7,556$	2,986 1,397 1,029	8,690 5,800 3,875	25,095 16,281 10,972	47,916 31,311 20,513	22,821 15,030 9,541
Mirrors	1909 1904 1899	31 29 30	759 820 989	41 50 50	89 82 86	629 688 853	639	$1,115 \\ 924 \\ 1,352$	100 76 100	415 381 484	1,398 1,702 2,444	2,250 2,531 3,806	852 829 1, 362
Models and patterns, not including paper patterns.	1909 1904 1899	74 53 50	893 580 382	84 59 57	109 69 23	700 452 302	395	1,080 594 316	$155 \\ 66 \\ 24$	459 262 188	451 251 134	1,745 913 540	1, 294 662 406
Musical instruments and materials, not specified.	1909 1904 1899	29 38 32	226 413 361	31 42 32	25 31 26	170 340 303	82	273 1,069 903	20 43 36	98 182 170	96 235 187	296 654 495	200 419 308
Musical instruments, pianos and organs and materials.	1909 1904 1899	121 102 93	8,031 6,903 5,344	69 76 105	748 549 341	7, 214 6, 278 4, 898	4,744	20,034 12,254 9,420	1,373 921 495	4,924 4,014 2,907	12, 414 7, 301 5, 086	23, 511 16, 102 11, 396	11,097 8,801 6,310
Paint and varnish	$1909 \\ 1904 \\ 1899$	27 20 35	580 695	16 30	226 175 209	338 490 685	726	$1,427 \\ 1,822 \\ 2,260$	215 168 258	236 284 415	1,549 1,776 2,917	2,560 2,679 4,309	1,011 903 1,392
Paper goods, not elsewhere specified	1909 1904 1899	62 2 50 2 53	2,880 2,297 1,768	38 53 59	589 242 247	2,259 2,002 1,462	1,476	4,339 2,499 2,570	644 298 276	929 662 565	2,899 1,880 1,686	5,763 3,811 8,236	2,864 1,925 1,550
Patent medicines and compounds and druggists' preparations.	1909 1904 1899	354 304 219	8,902 3,654 2,916	245 252 213	1,454 1,061 884	2,203 2,341 1,819	1,430	8,882 7,133 7,628	2,172 1,468 1,091	1,093 1,037 730	6,153 5,215 3,979	18, 305 15, 047 11, 956	12,152 9,832 7,977
Pens, fountain, stylographic, and gold.	1909 1904 1899	25 22 22	1,025 743 508	21 18 22	341 131 88	663 594 398	177	1,783 874 561	359 133 103	389 352 236	1,460 854 494	3,017 1,904 1,169	1,557 1,050 675
Photo-engraving	1909 1904 1899	46 35 46	1,517 1,025 860	$25 \\ 26 \\ 64$	305 169 129	1,187 830 667	275	807 728 491	357 201 121	1,195 737 518	490 362 206	2,517 1,722 1,090	2,027 1,360 884
Pipes, tobacco	1909 1904 1899	13 20 28	468 584 914	14 29 35	36 16 79	418 539 800	124	351 343 650	31 20 72	205 276 464	451 507 783	858 1,002 1,626	407 495 843
Printing and publishing	1909 1904 - 1899	2, 525 2, 054 1, 626	65, 522 54, 450 42, 489	$^{1,979}_{1,881}_{1,745}$	22,038 16,885 8,275	* 41, 505 35, 684 32, 469	32, 366	106,826 89,154 73,116	27,189 18,636 10,590	30, 899 24, 347 20, 699	41,062 29,487 24,162	168, 176 128, 971 92, 301	127, 114 99, 484 68, 189

<sup>1</sup> Excluding statistics for five establishments, to avoid disclosure of individual operations, <sup>2</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSON	S ENGAG	ed in <b>in</b> d	USTRY.						TT-1	Value
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ- ees.	Wage earners (average num-	Primary horse- power,	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	added by manu- facture.
				mem- bers.		ber).			Ē	xpressed	in thousand	ds.	
NEW YORK CITY-Man- hattan and Bronx Bor- oughs-Continued.				. •									:
Rubber goods, not elsewhere specified.	1909 1904 1899	28 33 45	372 1,282 1,410	24 24 51	86 167 166	262 1,091 1,193	72	\$542 1,716 1,944	\$103 205 212	\$160 369 442	\$768 2,000 2,043	\$1,305 3,791 3,682	\$537 1,791 1,639
Saws	1909 1904 1899	4 5 4	11 14 8	5 6 5	 	6 8 8	16	7 8 8		4 3 1	5 4 5	15 17 13	10 13 8
Shipbuilding, including boat building.	1909 1904 1899	22 18 27	827 1,597 1,669	18 23 42	67 80 42	742 1,494 1,585	845	2,530 3,177 2,270	102 136 89	582 1, 141 956	566 825 664	$1,603 \\ 2,533 \\ 2,264$	1,037 1,708 1,600
Show cases	1909 1904 1899	9 7 6	169 126 136	13 9 5	18 7 19	138 110 112	139	149 87 75	20 7 16	74 62 48	120 47 47	814 188 146	194 141 99
Silk and silk goods, including throw- sters.	1909 1904 1899	90 56 50	5, 169 4, 456 4, 226	98 58 56	510 483 169	4,561 3,915 4,001	2,485	7,755 5,359 4,428	656 537 272	2,118 1,696 1,579	4, 916 3, 709 3, 301	10,051 7,887 6,758	5, 135 4, 178 3, 457
Silverware and plated ware	1909 1904 1899	34 27 42	$1,208 \\ 1,401 \\ 1,929$	33 30 51	250 195 230	925 1,176 1,648	704	2,794 2,591 2,977	318 228 249	689 682 942	1,404 1,241 1,702	3, 151 2, 906 3, 745	1,747 1,665 2,043
Slaughtering and meat packing	1909 1904 1899	80 51 63	3,933 2,229 2,186	81 67 78	665 315 330	3,187 1,847 1,778	7,896	22,275 10,614 8,829	1,055 485 387	$2,591 \\ 1,540 \\ 1,213$	69,090 43,133 34,549	79,288 48,386 39,195	10,198 5,253 4,646
Smelting and refining, not from the ore.	1909 1904 1899	5 4 4	218 161 192	9 6 6	69 27 73	140 128 113	100	2,309 1,115 719	94 69 93	109 76 94	6,682 4,186 1,148	7,219 4,558 1,745	537 372 597
Soap	1909 1904 1899	24 26 31	797 1,140 956	20 27 31	191 165 133	586 948 792	874	1,823 3,442 3,213	264 232 188	316 438 375	2, 520 3, 361 3, 735	4,320 5,694 6,479	1,800 2,333 2,744
Stationery goods, not elsewhere speci- fied.	1909 1904 1899	44 32 29	663 608 631	42 28 33	171 107 79	450 473 519	229	971 983 958	190 108 70	239 213 229	639 631 563	1,499 1,320 1,347	860 689 784
Steam packing	1909 1904 1899	15 9 11	159 109 69	9 9 14	30 7 24	120 93 31	140	252 76 128	47 9 34	82 41 23	140 83 56	381 190 204	241 107 148
Stereotyping and electrotyping	1909 1904 1899	34 28 26	1,036 833 567	26 36 29	220 120 70	790 677 468	1, 180	1,054 1,033 604	300 137 66	771 597 339	547 321 209	1,961 1,380 860	1,414 1,059 651
Stoves and furnaces, including gas and oil stoves.		16 14	586 418	14 14	112 58	460 346	391	1, 141 911	164 77	364 221	744 410	1,579 1,051	835 641
Surgical appliances and artificial limbs.	1909 1904 1899	38 35 37	374 464 224	37 32 40	88 67 39	249 365 145	77	510 434 176	, 100 63 28	154 198 90	220 206 79	771 763 411	551 557 332
Tobacco manufactures	1909 1904 1899	$1,341 \\ 1,500 \\ 1,220$	23,112 27,140 21,991	1,430 1,642 1,384	1,804 1,447 942	19,878 24,051 19,665	1,783	29, 447 39, 198 15, 154	2,423 1,476 1,239	9,194 10,272 8,409	22,585 18,460 13,725	54,880 47,749 37,431	32,295 29,289 23,706
Toys and games	1909 1904 1899	39 19 26	932 307 387	41 21 29	110 31 33	781 255 325	235	885 381 433	105 35 37	322 112 132	580 173 252	1,268 493 604	688 320 352
Type founding and printing materials		18 21 21	194 254 455	11 16 14	48 45	135 193 392	166	343 713 878	79 53 71	92 117 218	298 142 252	616 528 781	318 386 529
Umbrellas and canes	1909 1904 1899	122 87 88	2,088 1,726	154 120	229	1,705 1,416 1,499	472	2,018 1,215 1,501	1	805 592 578	3,454 2,809 3,198	5,530 4,594 4,992	2,076 1,785 1,794
Window shades and fixtures	1909 1904 1899	54 23 29	519 177	60 30	121	1,435 338 117 200	35	969 163 421	100 121 30 34	198 58 86	1,837 416	2,612 626 1,093	775
Wirework, including wire rope and cable.	1909 1904 1899	47 92 49	627 1,483 457	49 122 61	87 166	491 1,195 365	311	736 993 430	90 125 31	246 535 181	1	1,293 2,001 685	608 1,258 403
Wood, turned and carved	. 1909 1904	60 68	594 412	81 86 93	52 12	461 314 363	428		63 12 12	339 216	383 175	1,069	686 424 441
All other industries	1899 . 1909 . 1904 . 1899	77 1,294 1,180 1,171	472 28,795 26,895	93 1,293 1,345	4,923	22,579 22,300 19,653	23,771				52,023 47,679	90,842	38,819

<sup>1</sup> Not reported separately.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			DUDGONG	The LOT	d in indu	TEMPY							
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ-	Wage earners (average	Primary horse- power.	Capital.	Salaries.	Wages,	Cost of materials.	Value of products.	Value added by manu- facture.
				mem- bers.	ees.	num- ber).			E	xpressed	in thousand	ls.	
NEW YORK CITY-Brook- lyn Borough-All industries.	1909 1904 1899	5,218 4,182 4,301	145, 222 119, 524	5,495 4,597	15,844 9,932 6,826	123, 883 104, 995 87, 445	147, 580	\$362, 337 313, 452 263, 471	\$21,146 13,521 9,097	\$68, 328 54, 535 42, 341	\$235,132 230,809 206,335	\$417,223 373,463 313,617	\$182,091 142,654 107,282
Artificial stone	1909 1904 1 1899	6 4	66 239	3 1	9 21	54 217	77	238 416	12 35	29 202	79 159	153 499	74 840
Boxes, cigar	1909 1904 1899	7 7 7	42 43 79	9 8 10	3 4	30 31 69	1	19 21 47	1 3	11 15 33	25 26 43	47 61 105	22 35 62
Brass and bronze products	1909 1904 1899	43 2 36 3 36	1,448 1,006 627	87 39 44	171 125 33	1,240 842 550	1,074	$2,028 \\ 1,195 \\ 724$	217 125 32	721 441 251	1,418 588 688	$3,176 \\ 1,462 \\ 1,182$	1,758 874 494
Bread and other bakery products	1909 1904 1899	853 767 805	5,550 4,527 3,961	884 789 819	872 267 294	3,794 3,471 2,848	1,035	5,051 3,590 3,251	654 189 205	2,745 2,242 1,711	10,287 7,472 4,802	16,905 12,453 9,030	6, 618 4, 981 4, 228
Canning and preserving	1909 1904 1899	20 14 20	227 264	18 11	43 17 47	160 236 302	168	474 333 1,734	40 34 57	66 93 101	666 860 546	935 1,108 923	269 248 377
Carpets, rag	1	6 6 10	31 32 19	6 7 10	5	20 25 9	7	17 16 7	4	13 11 3	15 13 5	49 39 15	34 26 10
Carriages and wagons and materials.	1909 1904 1899	66 4 69 3 71	678 749	80 80	34 30 13	564 633 544	656	1,030 800 841	37 30 13	386 401 325	406 395 360	1,126 1,115 985	720 720 625
Chemicals	1909 1904 1899	19 18 17	1,215 984 481	9 10 8	224 162 83	982 812 390	8, 151	7,377 4,610 2,107	413 288 118	703 460 210	8,401 5,979 2,691	10,827 7,978 3,574	2,426 1,999
Clocks and watches, including cases and materials.	1909 1904 1899	5 5 5 8	1,379 284 408	36	99 21 24	1,280 260 378	441	3,095 785 641	151 37 43	674 192 250	1,050 669 960	2,603 978 1,453	1,553 300 493
Clothing, men's, including shirts	. 1909 1904 1899	563 377 505	17,957 9,959	749 405	546 194 102	16,662 9,300 7,327	2,530	6,676 2,428 2,250	572 323 143	8,543 3,913 3,065	6,172 2,777 1,675	19,243 9,050 6,522	
Clothing, women's	. 1909 1904 1899	290 153 125	7,239 3,625 2,846	370 203 149	338 103 93	6,525 3,319 2,604	1,066	2,854 1,118 990	810 86 78	2,792 1,222 987	3,975 1,632 1,266	8,508 3,620 3,233	1,988
Cordage and twine and jute and linen goods.	1909 1904 1899	5 5 5 5 6 5 6	4,576 2,675		178 129 72	4,398 2,546 2,302	9,377	10,008 6,106 5,145	267 211 154	1,589 1,025 848	4,188 5,238 5,205	7,264 8,167 7,311	2,929
Cutlery and tools, not elsewhere speci- fied.	1909 1904 1899	19 8 18 8 16	238 119 151	19 24 22	29 	. 95	106	279 150 209	21	91 58 81		362 156 202	111
Dyoing and finishing toxtiles	. 1909 1904 1899	11 5 6	433 236 162	5 8 10	53 81 13	197	597	611 326 303	81	172 74 63	67	716 313 194	246
Electroplating	. 1909 1904 1899	13 9 9	88 84	20 15	17	62	95	41 40 28	3	38 35 34	18	96 84 73	66
Fancy articles, not elsewhere specified	. 1909 1904 1899	28 2 17 17	635 363 338	25 23 24	69 37 30	303	353	747 820 245	33	139	208	1,288 491 871	283
Food preparations	. 1909 1904 1899	36 31 30	617 431 382	35 44 44	128 32 24	454 355 314	643	743 439 560	38	171 108 104	533	852	3 918
Foundry and machine-shop products	. 1909 1904 1899	305 6 263 277	11	244 262	1,897	10,955 11,404	14,845	43,010 35,813 30,613	2,723 1,988 1,300	7,679 7,335 6,526	i 8,994	26,078	7 19,056 3 17,084 14,413
Fur goods	. 1909 1904 1899	17 15 30	448 268 350	17 17 37	80 33 49	351 218	103	809 590 633	64	160 120	) 384	660	3 282
Furnishing goods, men's		16 3 15 10	578 1,050	20 20	1	1	67	710 541 284	68	170	847	1,33	8 369 1 484 5 246
Furniture and refrigerators	1	79 59 40	2,778 1,875	100 88 59	230	2,433 1,671	2,422	3,208 1,730 1,278	317 167	1,467	1,273	5,750 2,940 2,614	6 1,078 4 1,414
Furs, dressed	1909 1904 1899	36 24 21	662 460	51	38 11 8	573 573	887	407 22/ 275	L 16	300	4 183 3 81 3 140	57	5 662 5 494 6 280

Not reported separately.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.
 Excluding statistics for four establishments, to avoid disclosure of individual operations.
 Excluding statistics for three establishments, to avoid disclosure of individual operations.
 Excluding statistics for three establishments, to avoid disclosure of individual operations.
 Excluding statistics for three establishments, to avoid disclosure of individual operations.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

		,	PERSO	NS ENGA	GED IN IN	DUSTRY.							Value
INDUSTRY.	Ceasus.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ- ces.	Wage earners (average num-	Primary horse- power.	Capital.	Salaries.	Wages,	Cost of materials.	Value of products.	added by manu- facture.
				mem- bers.		ber).			. E	xpressed	in thousan	ds.	
NEW YORK CITY-Brook- lyn Borough-Continued.											-		
Gas and electric fixtures and lamps and reflectors.	1909 1904 1899	27 1 19 23	906 678 518	29 16 25	137 91 68	740 571 425	564	\$1,299 775 745	\$189 110 73	\$421 286 230	\$700 484 235	\$1,571 1,108 683	\$871 624 448
Gas, illuminating and heating	1909 1904 2 1899	4 3	2,251 2,103		532 412	1,719 1,691	7,936	49,607 40,738	637 436	1,303 1,261	2,795 2,150	9,492 7,541	6,697 5,391
Hoss	1909 1904 1899	6 7 7	580 981 995	3 4 4	37 42 39	540 935 952	220	541 894 714	48 60 40	275 500 415	157 405 268	624 1,196 868	467 791 600
Hass, cutting, staining, and orna- menting.	1909 1904 1899	36 28 28	905 691 350	42 43 34	51 29 19	812 619 297	240	607 220 195	70 30 15	502 367 153	443 270 189	1,301 850 483	858 580 294
Hair work	1909 1904 1899	6 4 8	77 38	8 4	2	67 34 25		70 38 20		20 7 8	49 13 11	101 28 36	52 15 25
Hats, fur-felt	1909 1904 1809	7 7 4	1,303 1,294 1,289	4 3 4	99 67 49	$1,200 \\ 1,224 \\ 1,236$	583	2,225 2,067 1,387	132 83 122	718 786 799	1,296 961 710	2,657 2,657 1,899	1,361 1,696 1,189
losiery and knit goods	1909 1904 1899	119 * 58 40	4,359 3,081 1,544	128 70 49	291 57 67	$3,940 \\ 2,954 \\ 1,428$	1,306	5,734 3,626 1,634	440 100 92	1,771 1,093 561	5,144 2,102 1,088	9,350 4,132 2,126	4,206 2,030 1,038
lousé-furnishing goods, not elsewhere specified.	1909 1904 1899	9 6 11	140 184 446	10 5 15	12 18 *44	118 161 387	80	229 213 378	12 18 27	50 77 146	206 219 303	350 396 610	144 177 307
ce, manufactured	1909 1904 1899	12 8 10	239 118 104	8 1 4	31 18 18	205 99 82	5,060	1,350 847 659	90 23 17		213 89 82	666 261 280	453 172 198
nstruments, professional and scien- tific.	1909 1904 1899	19 18 24	368 331 338	24 22 36	66 32 31	278 277 271	355	528 416 325	79 39 26	$     \begin{array}{r}       162 \\       164 \\       163     \end{array} $	153 123 84	522 420 365	369 297 281
Kaolin and ground earths	1909 1904 2 1899	4 4	53 134	1 5	8 13	44 116	229	77 239	11 23	22 66	96 204	155 359	59 155
eather goods	1909 1904 1899	52 1 31 34	495 288	57 40	48 6 6	390 242 218	70	650 210 148	50 6 4	167 96 87	464 179 149	954 376 338	490 197 189
eather, tanned, curried, and finished.		11 12 9	396 520	12 13	28 39 17	356 468 601	737	682 1,227 1,293	34 46 23	170 216 279	764 1,190 1,882	1,125 1,614 2,560	361, 424 678
Liquors, malt	1909 1904 1899	29 35 35	2,029 2,145 1,829	5 5 9	316 395 323	1,708 1,745 1,497	9,120	25,155 19,338 15,740	1,188 1,067 795	1,468 1,386 1,202	3, 694 3, 346 2, 232	14,660 12,541 11,381	10,966 9,195 9,149
Looking-glass and picture frames	1909 1904 1899	21 11 17	299 80	24 11	26 1 8	249 68 64	209	361 84 81	27 1 5	133 31 32	271 79 70	604 153 151	333 74 81
Lumber and timber products	1909 1904 1899	85 69 3 58	4, 191 4, 156 2, 857	76 82 77	351 257 163	3,764 3,817 2,617	9,445	8,812 7,540 4,156	471 330 205	2,260 2,001 1,441	6, 801 4, 666 3, 757	10, 953 10, 156 6, 488	4,152 5,490 2,731
Marble and stone work		74 51 65	1,135 1,008	72 67	96	967 870 1,049	1,953	1,930 1,668 1,787	151 90 55	877 742 772	1,129 763 · 1,018	2, 786 2, 186 2, 477	1,657 1,423 1,459
Millinery and lace goods	1	57 28 21	1,839 954 643	72 37 24	166 91	1,601 826 600	275	1,288 491 135	61	626 270 137	1,481 431 191	2,926 1,009 467	1,445 578 276
Mirrors		6 4	179 123	54	21	153 105	196	214 130	27 13	87 41	184 103	362 197	178 94
Paint and varnish	- 1909 1904 1899	63 55 43	2,440 2,249	40 46		1,636 1,786 1,298	5,627	11,861 12,179 9,476	664	999 1,037 706		15,548	5, 313 4, 280 3, 061
Patent medicines and compounds and druggists' preparations.		69 59 53	1,162 772 1,631	44 43 50	285	736 444 1, 270	1,267	3,196 2,824 4,740	514 389 402	237	2, 343	5,071 2,876	2,728 1,950 2,535
Printing and publishing		304 <sup>8</sup> 225 186	8,021 5,457	328	1,333 772	6, 360 4, 446 3, 680	5,134	1	1, 597 952	2,625	5,178 2,813 1,882	1	
Shipbuilding, including boat building		22 1 30 1 45	2,286 834	20 38	86 49	2, 180 747 998	6,057		155 64	1,368	1,280	4,531	

Excluding statistics for two establishments, to avoid disclosure of individual operations.
 Figures can not be shown without disclosing individual operations.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.

## TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

		1	PERSONS	ENGAGE	D IN IND	USTRY.		•					
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem-	Salaried employ- ees.	Wage earners (avorage num- ber).	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials,	Value of products,	Value added by manu- facture,
		·		bers.					н 	xpressed	in thousand	ls.	
NEW YORK CITY-Brook- lyn Borough-Continued.											an a		
Show cases	1909 1904 1899	8 5 5	283 119 125	10 8 7	32 4 4	241 107 114	337	\$314 73 76	\$48 7 4	\$132 61 71	\$254 123 125	\$502 235 265	\$245 112
Silverware and plated ware	1909 1904 1899	8 14 23	644 392 154	10 5 7	118 21 15	516 366 132	440 	1,000 532 80	80 32 9	289 217 64	461 225 48	1,048 585 179	140 587 360 131
Slaughtering and meat packing	1909 1904 1899	32 1 11 2 15	930 386 243	$     \begin{array}{r}       46 \\       16 \\       21     \end{array} $	147 63 26	737 307 196	819 	2,911 1,432 471	157 72 25	580 246 115	14,744 6,759 2,858	16,575 7,500 3,139	1,831 741 281
Tobacco manufactures	1909 1904 1899	556 573 560	2, 868 1, 867 2, 083	587 603 591	115 43 70	2,166 1,221 1,422	290 	3,651 1,180 1,397	156 37 60	894 609 654	2, 494 930 1, 358	6, 570 2, 418 3, 706	4,076 1,488 2,348
Vinegar and cider	. 1909 1904 1899	4 4 4	57 50 45	2 4 4	15 6 2	40 40 39	75 	133 96 132	13 4 2	20 16 21	83 63 29	131 116 67	48 53 38
Wirework, including wire rope and cable.	1909 1904 1899	$17 \\ 22 \\ 16$	546 579 255	15 30 18	70 71 29	$461 \\ 478 \\ 208$	403	916 829 339	117 90 34	275 293 102	455 389 163	1,029 1,007 405	574 618
Wood, turned and carved	1909 1904 1899	19 16 24	396 85 180	21 17 30	26 5 5	349 63 145	385	437 103 193	39 5 3	140 40 81	273 83 98	610 168 258	337 85 160
All other industries	1909 1904 1899	1,086 857 887	43,864 45,376	1,081 900	5,311 3,605 2,611	37, 472 40, 811 84, 039	48, 467	127,054 139,949 156,898	6,961 4,950 3,410	19, 278 19, 648 15, 237	118,978 150,692 144,522	178,042 205,283 184,979	59,064 54,501
NEW YORK CITY-Queens Borough-All Industries,	1909 1904 1899	771 513 395	27, 495 18, 669	745 507	2,859 1,257 912	23, 891 14, 905 10, 684	47,721	\$145,307 92,977 67,420	\$4,407 1,836 1,264	\$14, 169 8, 440 5, 534	\$113,200 70,403 23,354	\$151,680 92,941 35,428	\$38, 480 22, 538 12, 074
Bread and other bakery products	1900 1904 1899	158 103 105	887 479	167 108	52 18 20	668 353 290	202	1,292 884 384	81 8 7	423 209 174	1,642 812 477	2,552 1,281 897	910
Clothing, men's, including shirts	- 1909 1904 1899	1 9 1 9 9	113 62	9 9	*	104 53 64	36	44 4 14		¢ 49 21 19	5 3 2	73 35 31	68
Foundry and machine-shop products.	. 1909 1904 1899	41 17 13	2,485 910	27 21	361 131 25	2,097 758 332	2,482	5,474 1,601 728	487 159 44	1,503 426 179	2, 100 329 194	5, 619 1, 328 525	3,519 999 331
Glass	. 1900 1904 \$1899	. <mark>3</mark> 3	368 179		24 19	344 160	230	726 266	48 28	212 127	124 93	503 356	379
Hosiery and knit goods	1	777	453 101	4 10	28	421 91	85	607 66	40	141 32	408 65	710 123	
Liquors, malt	1909 1904 1899	6 8 7	253 389	4 1	45 83 51	204 305 204	1,012	2,958 3,927 1,702	118 166 99	189 260 167	427 614 330	2,575 3,004 1,651	2,390
Lumber and timber products	. 1909 1904 1899	19 111 13	1,133 242	13 15	75	1,045 202 215	2,294	2,825 348 527	125	621 119 123	2,063 329 473	3, 133 563	1,070 234
Musical instruments, planos and organs and materials.	1909 1904	4	929 860	5	30 43	894 813	852	2, 443 2, 639	41 48	674 617	421	1,346 1,590	925 814
Paint and varnish	1899 1909 1904	3 18 12	683 463	4 10	. 17 269 113	496 410 340	1,877	1,435 3,639 1,927	438 163	335 275 187	203 2,501 1,444	4,226 2,432	3 1,725
Patent medicines and compounds and druggists' preparations.	1809 1909 1904 1899	11 10 8 3	386 53	2 1	120 151 13 6	291 233 39 25	231	2,402 787 105 29	187 28	170 121 15 12	1, 384 784 91 61	1,608 193	8 824 3 102 4 113
Printing and publishing	. 1909 1904	38 1 29	436 207	30 26	61 35	845 140	249	879 219	76 36	208 78 61	240	728 280	5 485 0 189
Shipbuilding, including boat building	1809 1909 1904 1899	<sup>2</sup> 18 13 10 3	809 256	14 10	18	106 262 228	411	220 418 152	36	61 184 148 31	152 145	400 378	8 254 8 233 9 49
Silk and sllk goods, including throw- sters.	1900 1904 1899	8 8 6	1,944 1,493	3 5	. 1 104 67 30	54 1,837 1,421 823	477	47 3, 316 2, 553 1, 719	165	870 605 344	2,249 1,987	4,200 8,342	8 1,957 2 1,355 3 736
Tobacco manufactures	- 1009 1904 \$1899	127 81	657 246	170 86	25	823 462 155	37	1,719 870 284	29	211 65	338	998 306	8 680 6 196
All other industries	- 1909 1904 1899	310 203 204	16,459 10,729	293 201	1,601 687 605	14,565 9,841 7,784	37,746	119,029 78,552 58,153	2,586 1,077 748	8,488 5,531 3,919	1 03.019	123,000 77,730 26,41	0 23,254 0 14,218 3 7,130

Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.
 Figures can not be shown without disclosing individual operations.
 Figures not comparable.

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#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

	,		PERSO	S ENGA	ED IN IN	DUSTRY							
	0	Num- ber of		Pro-		Wage	Primary	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture.
INDUSTRY.	Census.	estab- lish- ments.	Total.	prietors and firm mem-	Salaried employ- ees.	earners (average num-	horse- power.						
				bers.		ber).		•	Ex	pressed ir	thousands		
NEW YORK CITY-Rich- mond Borough-All indus- tries.	1909 1904 1899	180 169 185	7,494 6,435	157 159	901 681 384	6,436 5,595 5,192	19,738	\$33,983 15,991 10,430	\$1,549 912 571	\$3,734 3,073 2,277	\$18, 367 9, 787 6, 445	\$29,701 16,867 13,017	\$11,334 7,080 6,572
Bread and other bakery products	1909 1904 1899	42 36 45	192 140	45 36	1 2 18	146 102 99	28 	281 96 136	2 1 11	99 63 55	326 244 <b>2</b> 14	568 386 366	242 142 152
Liquors, malt	1909 1904 1899	3 5 5	262 276	2	53 52 50	209 222 203	550 	2,685 2,430 1,802	133 145 144	177 193 149	445 482 388	1,822 1,427 1,614	1, 377 945 1, 226
Printing and publishing	1909 1904 1899	16 15 17	139 104	15 17	12 17 8	112 70 78	86	183 97 96	11 18 6	65 38 45	33 22 23	173 137 119	140 115 96
Tobacco manufactures	1909 1904 1899	12 1 18 17	27 36	12 18		15 18 12	5	36 24 31		8 9 5	13 16 12	40 40 32	27 • 24 • 20
All other industries	1909 1904 1899	107 95 101	6,874 5,879	85 86	835 610 308	5,954 5,183 4,800	19,069	80,798 13,344 8,365	$1,403 \\ 748 \\ 410$	3,385 2,770 2,023	17,550 9,023 5,808	27,098 14,877 10,886	9, 548 5, 854 5, 078
ROCHESTER—All industries.	1909 2 1904 1899	1,203 1,109 1,221	46,617 37,128	1,042 1,084	6, 467 4, 265 3, 061	39, 108 31, 779 28, 049	39, 277	\$95,708 69,807 45,210	\$7,734 4,529 3,131	\$21,518 14,702 11,366	\$50, 674 37, 918 28, 245	\$112,676 81,109 59,669	\$62,002 43,191 31,424
Baking powders and yeast	1909 1904 1899	5 5 4	14 10 10	6 7 4	5 2 4	3 1 2	7	12 7 16	5 1 3	( <sup>3</sup> ) 1	11 8 6	28 16 15	17 8 9
Boots and shoes, including cut stock and findings.	1909 1904 1899	56 65 69	6,676 5,168 5,159	44 70 76	515 419 404	6,117 4,674 4,679	1,911	6,788 3,752 3,031	655 409 371	3,038 2,090 1,733	7,811 5,117 4,214	13,450 9,155 7,297	5,639 4,038 3,083
Boxes, cigar	1909 41904 1899	3	18 . 22	7		11	26	14		5	14		13 16
Boxes, fancy and paper	1909 1904 1899	15 13 12	760 915 785	10 10 12	46 62 34	704 843 739	303	636 611 419	80 64 33	253 259 176	471 267 195	966 836 581	495 569 386
Brass and bronze products	1909 1904 1899	4 13 54	252 103 60	2 2 9	25 9	225 92 45	301	322 455 101	40 8 4	110 47 24	154	569 239 152	221 85 49
Bread and other bakery products		110 79 98	626 424 429	120 90 112	89 39	417 295 273	258	843 493 395	59 39 18	297 173 128	1,359	2, 109 1, 145 875	750 433 372
Buttons	1909 1904 1899	33 4 3 4	1,639 475 402	2	216	1,423 309 373	1,126	1,964 475 292	253 65 18	538 146 103	529 123	1,821 527 354	1,292 404 285
Carriages and wagons and materials	1909 1904 1899	17 16 13	609 718	19 25		522 639 449	420	1,787 1,568 1,248	122 70 75	380 377 279	560	$1,177 \\ 1,230 \\ 760$	673 670 497
Clothing, men's, including shirts	. 1909 1904 1899	196 1 239 307	8,559 6,902 5,293	241 300 377	441	6,161	1,007	10,808 7,891 6,046	1,162 743 336	3,809 2,545 1,858	6,982	14,949	10,197 7,967 5,616
Clothing, women's	. 1909 1904 1899	4 7 4	92 120 241	1 4 5	17	99	21	67 40 94	11 8 9	30 26 40	75	150 185	
Coffee and spice, roasting and grinding	. 1909 1904 1899	6 3 3	144 112 35	1		113 86 22	192	232 272 88	30	43 36 8	362	493 153	162 131 30
Confectionery	. 1909 1904 1899	16 8 9	697 619	13 2	78	606 573 482	441	. 880 820 378	75 93	187 141	658	1,513 1,156	
Cooperage and wooden goods, not else- where specified.	1899	10 6 13	180 89			157	314	356 148 	4	44		185 212	64 93
Cutlery and tools, not elsewhere specified.	1909 1904 1899	11 10 6	125 112 69	15 15 9	8	· 89		. 179		46	3 40 7 24	122	76 59
Electrical machinery, apparatus, and supplies.	1909 1904 41899	9 5	949 1,367	1 1	232	716 1, 185		4,230	212 101	480 548	811 8 854	2,078	1,224
Electroplating	. 1909 1904 1899	7 6 6			5 4 5 4	28 25 57		. 24 18 . 16					30 31
Flour-mill and gristmill products	. 1909 1904 1899	10 10 14	136	<u>ا</u> ا	41 1 24 3 30	110 107 136		1,054 816 806	3 32	70 60 74	6 2,940	3,381 3,222 4 3,011	282

<sup>1</sup> Excluding statistics for one establishments, to avoid disclosure of individual operations.
 <sup>2</sup> Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city.
 <sup>3</sup> Least than \$500.
 <sup>4</sup> Figures can not be shown without disclosing individual operations.
 <sup>6</sup> Excluding statistics for two establishments, to avoid disclosure of individual operations.

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#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

1			PERSOI	NS ENGA	ED IN IN	DUSTRY.				1			
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem- bers.	Salaried employ- ees.	Wage earners (average num- ber).	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products,	Value added by manu- facture,
									<u></u>	xpressed	in thousand	ds.	
ROCHESTER—Continued. Food preparations	1909	6	44	4 1	13	27	42	\$75	\$9	\$13	\$68	\$116	
<u> </u>	1904 1899	33	96	3	22	61		15 13	1	(1)2	49 9	71	\$48 22 8
Foundry and machine-shop products.	1909 1904 1899	2 89 2 70 85	2,784 1,970	60 45	359 188 247	2,305 1,737 2,097	2,618	6,093 3,733 4,642	436 236 290	1,619 1,025 1,127	1,967 1,266 1,447	5,744 3,366 4,411	3,777 2,100 2,964
Fur goods	1909 1904 1899	7 4 5	109 73 87	9 2 6	12 5 12	88 66 69	30 	177 90 143	9 5 8	51 35 28	112 44 99	406 133 174	294 89 75
Furnishing goods, men's	1909 1904 1899	9 4 5	335 221 299	3 3 7	55 28 34	277 190 258	34	298 240 250	63 22 29	89 60 75	494 284 324	784 504 512	290 220 188
Furniture and refrigerators	1909 1904 1899	27 218 25	$1,647 \\ 1,527 \\ 1,678$	16 13 26	106 111 134	1,405 1,403 1,518	1,943	2,806 1,804 1,525	276 163 155	915 742 586	1,210 849 764	3,087 2,865 2,133	1,877 1,516
Gas and electric fixtures and lamps and reflectors.	1909 1904 1899	8 85 3	643 336 346	2 1 1	50 30 26	591 305 319	426	1,175 425 320	76 51 26	269 121 107	558 271 273	1,106 679 673	1,369 548 408
Glass, cutting, staining, and orna- menting.	1909 1904 1899	5 3 3	49 25 19	444	. <del>6</del> . 3	39 18 12		42 15 24	6 2 1		50	104 29 23	400 54 22 19
Hand stamps and stencils and brands.	1909 1904 1899	433	21 11 13	544	2	14 7 9	4	20 15 11	1	7 3 5		36 16 20	21 12
Hats and eaps, other than felt, straw, and wool.	1909 1904 1899	746	43 19 17	8 6 6	5	30 13 10	3	17 11 12	4	14	36 16 16	82 34 29	46
Ice, manufactured		3	67		14	53	580	259	10	40	28	137	
Lasts	1909 1904 1899	4 5 4	140 79 56	2 3 4	14 9 2	124 67 50	255	212 58 43	23 6 2	83 28 26	94 24 18	273 83 70	59
Liquors, malt	1909 1904 1899	8 9 13	405 398 523	1 2 5	103 91 114	391 305 404	1,301	4,824 4,009 4,906	137	309 225 307	732 604 582	3,012 2,174 2,748	2,280 1,570
Looking-glass and picture frames	1909 1904 1899	9 11 5	211 307 264	7 8 14	26 28 31	178 271 219	107	328 209 258	` 31 32	106 128 100	95 82 81	281 369 288	186 287
Lumber and timber products	. 1909 1904 1899	22 28 \$ 21	1,098 949 565	10 18 21	107 70 49	981 801 495	2,935	2,302 1,531 717	130 77 44	511 434 230	1,054	2,455 1,949 961	895
Models and patterns, not including paper patterns.	1909 1904 1899	9 7 10	50 58 51	8 7 10	432	38 48 39	29	27 139 138		27 30 21		71	57
Musical instruments, pianos and organs and materials.	1909 1904 1899	4 3 3	118 133 283	23	12 27 15	104 103 268	168	241 349 255	20	63 43 100	120 90 239	198	3 108
Patent medicines and compounds and druggists' preparations.	1909 1904 1899	32 31 2 37	245 321 343	20 25 35	109 126 137	116 170 171	83	619 712 760	120	48 65 51	327	831 738 945	3   411
Printing and publishing	. 1909 1904 1899	123 2 90 84	2,713 2,389 2,011	84 76 84	750 558 329	1,873 1,755 1,508	2, 241	4, 980 8, 825 3, 641	727 410 290	1, 172 984 709	1,128	3,734	4 2,600
Slaughtering and meat packing	. 1909 1904 1899	15 10 210	50 38 43	20 16 14	5		129	105 80 99	4	14 13 15	54	8	9 35
Surgical appliances and artificial limbs.	1909 1904 1899	3 3 3 3	29 22	32	8 6 8	14		61 18 21	5	10 8 6		3	4 26 1 24
Tobacco manufactures	. 1909 1904	94 100	325 833	102 111	14 61	209 661	15	388	18 43	108	189	2,23	5 1,327
Typewriters and supplies	1899 1909 1904 1899	* 87 8 8	858 123 128	90 2 2	48 57 67	64	171	598 550 230	70		202	59	1 389
Wood, turned and carved		11 11 9	41 47 40	11 14 10		. 33		41 28 29		_ 20	10 10 10	) 5 1 5	4 4
All other industries	. 1909 1904 1899	215 201 228	13,710 9,935	164 176	1	10,950 8,319	14,923	89,814 26,088 13,514	2,712	6,507 3,859	15, 32	39,69 25,94 214,20	9 14, ZV

Less than \$500.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.
 Figures can not be shown without disclosing individual operations.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSOI	IS ENGA	ged in in	DUSTRY.							Value
INDUSTRY.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ- ees.	Wage earners (average num-	Primary horse- power,	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	added by manu- facture.
				mem- bers.		ber).			E	xpressed	in thousand	ls.	
SCHENECTADY—All indus- tries.	1909 1904 1899	134 103 83	17,728 15,216	120 129	2,677 771 303	14,931 14,316 8,494	49, 181 	\$51, 816 22, 051 13, 606	\$3,086 915 297	\$10,002 9,382 4,966	\$21,952 16,497 9,925	\$38, 165 33, 084 17, 605	\$16,213 16,587 7,680
Bread and other bakery products	1909 1904 1899	27 23 17	145 132	83 82	10 6 20	102 94 47	39 	144 67 34	6 3 7	69 54 25	263 160 85	403 314 150	140 154 65
Lumber and timber products	1909 1904 1 1899	5 3	101 134	3 5	· 14 13	84 116	394 	213 327	18 13	52 68	218 375	316 559	98 184
Marble and stone work	1909 1904 1 1899	4 3	72 63	3 8	11 1	58 54	108	129 95	10 1	28 35	57 33	120 87	63 54
Printing and publishing	1909 1904 1899	18 2 13 11	339 133	8 11	112 42 12	219 80 67	299	503 195 81	77 26 6	145 63 36	173 55 20	550 208 94	377 153 74
Tobacco manufactures	1909 1904 1899	20 22 11	83 106	29 30	1 4 1	53 72 44		43 88 35	1 4 1	26 41 22	41 36 32	101 113 82	60 77 50
All other industries	1909 1904 1899	60 39 44	16,988 14,648	44 43	2,529 705 270	14, 415 13, 900 8, 336	48,341	50, 784 21, 279 13, 456	2, 974 868 283	9,682 9,121 4,883	21,200 15,838 9,788	36,675 31,803 17,279	15, 475 15, 965 7, 491
SYRACUSE-All industries	1909 3 1904 1899	738 637 630	21,710 16,926	655 650	2,907 1,722 1,264	18, 148 14, 554 11, 809	20,796	\$51, 726 38, 653 28, 928	\$3,313 1,954 1,316	\$10,422 7,116 5,303	\$21,776 16,082 12,548	\$49,435 34,687 26,546	\$27,659 18,605 13,998
Boxes, fancy and paper	1909 1904 1899	4 4 3	174 139 97	3 3 6	7 4 2	164 132 89	53	122 99 82	6 3 1	49 34 22	87 54 32	164 121 71	77 67 39
Brass and bronze products	1909 1904 1899	10 2 7 5	236 114 72	9 8 9	24 8	203 98 63	164	522 205 104	92 10	131 48 38	387 149 136	683 253 201	296 104 65
Bread and other bakery products	1909 1904 1899	83 53 61	554 401 345	88 54 72	65 49 52	401 298 221	267	958 824 431	63 39 38	240 153 103	1,072 726 414	$1,832 \\ 1,280 \\ 730$	760 563 316
Candles	1909 1904 1899	5 4 5	317 270 • 225	2 2 4	40 27 28	275 241 193	107	925 891 612	57 42 35	104 89 68	688 645 426	1,092 894 605	404 249 179
Carriages and wagons and materials	1909 1904 1899	13 2 11 18	272 343	17 13	10 9 17	245 321 351	293	564 520 425	15	170 187 165	268 294 346	593 638 633	325 344 287
Clothing, men's, including shirts	1909 1904 1899	59 52 100	1,921 1,513	74 69	217 130 93	1,630 1,308 1,100	161	2,010 2,030 2,026	181	694 512 404	1,603	3,461 3,082 2,830	1,743 1,479 1,378
Clothing, women's	. 1909 1904 1899	8 7 8	311 435 282	6 12 9	14	285 409 261	50	162 165 147	11	110 106 65	218	410 445 383	194 227 155
Confectionery	. 1909 1904 1899	7 5 4	207 131	7			177	. 209 145 . 75	12	63 43 21	329 241 107	498 350 155	169 109 48
Cooperage and wooden goods, not else- where specified.	1909 1904 1899	7 7 6	44 44 50	12	1	- 35 31 43	35	67 50 - 43	1	. 21 17 22	51 35 33	95 76 70	44 41 37
Copper, tin, and sheet-iron products.	- 1909 1904 1899	9 10 11	380 125	5		106		925 - 132 - 64	8 6	52	86	1,091 215 124	410 129 58
Electroplating	. 1909 1904 1899	5 5 4	34	47		40 24 19		25 - 12 - 6	1 1	23 12 8		31	25
Food preparations		11 8 4	225 159	1 8	5 <b>3</b> 4	120		594 430 258	3   28	70 48 29	3 367	657	290
Foundry and machine-shop products	1	72 58 48	3, 093 2, 244	48	3 31	2,728 1,967 1,897	3,594	5,874 3,780 3,400	)   234	980	2,276 3 1,324 9 1,349	5,691 3,519 3,013	2,195
Furniture and refrigerators	. 1909 1904 1809	17 18 2.8	412 509	1		2 <b>3</b> 60 457	500	) 699 655 	2 42	19 24 15	1 33	7 778	3  441
Gloves and mittens, leather		4	50 47		5 :			7 44 	4 5		4 3 5 6 9 3	1   90	) 29

Figures can not be shown without disclosing individual operations. Excluding statistics for one establishment, to avoid disclosure of individual operations. Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSON	S ENGAG	ed in ind	USTRY.							
INDUSTRY,	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ- ees.	Wage earners (average num-	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products,	Value added by manu- facture,
4				mem- bers.		ber).		 	E	xpressed	in thousand	ls.	
SYRACUSE-Continued.				_	, 	000	330	8050					
Hosiory and knit goods	1909 1904 1899	5 5 5	421 496 309	7 8 9	31 18 16	383 470 284	330	\$950 563 346	\$33 21 18	\$131 104 76	\$587 608 326	\$969 872 526	\$382 204 200
Jewelry	1909 1904 1 1899	9 6	19 14	10 6		9 8	4	19 11		7 4	10 10	41 23	31 13
Liquors, malt	l .	8 8 10	343 325 335	5 3 16	67 69 67	271 253 252	1,783	3, 940 3, 687 2, 904	133 112 123	253 188 168	680 557 405	2,460 1,960 1,814	1,780 1,403 1,409
Lumber and timber products	1909 1904 1899	18 2 10 12	359 241	12 9	31 3 12	316 229 250	1,059	687 459 455	36 2 8	183 116 104	649 341 375	1,003 572 580	354 231 205
Models and patterns, not including paper patterns.	1909 1904 1899	6 4 3	40 16 10	5 4 3	7	28 12 7	38	31 21 5	4	20 6 5	843	45 23 19	37 19 16
Patent medicines and compounds and druggists' preparations.	1909 1904 1899	24 <sup>8</sup> 14 10	308 30 26	14 16 9	154 7 11	140 13 6	230	573 60 31	123 6 9	64 4 2	239 35 20	850 118 40	
Printing and publishing	1909 1904 1899	84 2 67 2 49	1,110 884 822	73 59 42	314 249 107	723 576 073	821	1,870 1,315 1,123	251 212 102	444 336 342	611 368 304	2,032 1,479 1,075	1,421 1,111 771
Salt	. 1909 1904 1899	7 9 12	107 133	4 0	13 14 0	90 113 110	274	875 574 760	8 8 7	42 63 57	13 17 26	170	153
Tobacco manufactures	. 1909 1904 1899	80 84 272	571 571 499	89 93 75	21	454 457 395	58	555 539 375	26	$     \begin{array}{r}       247 \\       222 \\       168     \end{array} $	403 264 280	784	520
All other industries	. 1909 1904 1899	183 177 167	10,187 7,702	133 166		6,755	<b>I</b>	29,020 21,441 14,701	940	5, 424 3, 530 2, 379	9,850 7,732 5,518	23,508 16,248 11,430	13,658 8,516 5,912
TROY—All industries	. 1909 1904 1899	363 811 327	22,149 20,833	352 310		19,114		\$39,309 32,697 25,274	1,542	\$9,407 7,853 8,876	\$15,626 13,746 11,462	\$37,980 31,861 28,735	18,115
Boxes, fancy and paper	. 1909 1904 1899	7 4 4	373 229	10 5	15 5 - 6	219		. 241 . 137 . 171	'  14		179 81 118	238	5 154
Bread and other bakery products	. 1909 1904 1899	36 37 36	238 228	38 41		171		. 320 250 164	1 8	107	44(	) 718	3 278
Brick and tile	1909 1904 1899	4 5 6	88 72			80 64 76		. 14: 16: 10:	2] 3	27	1	3 7	D 54
Brushes	. 1909 1904	18 15	622 729					. 65/					
Carriages and wagons and materials.	1909 1904 1899	6 85 88	41 62 60		1 7	33 51 51		. 71		26 29 29	2	2 6 4 9 8 8	3 41 0 66 3 55
Clothing, mon's, including shirts	1	11 9 85	3,741 2,742	H	1	) 3,478 2,588 4,657	1, 136	6,06 2,54 3,00	1 294 3 134 7 173	1,432 860 1,660	1,90	7 6,97 3 4,26 1 4,74	6 3,639 4 2,361 0 2,989
Confectionery		6 5 3	40			) 24	1 25			10	3	7 6	7 37 6 24
Copper, tin, and sheet-iron products.		10	88 75			L 61	3 25 L	12 14 7	0   10	29		2   10	18 66 14 38
Foundry and machine-shop products	1	28 23 29	1,028 1,068	2		7 88	3 1,446	2,88 2,47 2,93	0 170 6 150 4 134	) 554	7 71 67 7 73	7 1,80	)3 1,120 )9 1,271
Furnishing goods, men's	1909 1904 1899	21 21 23	10,370 10,051			8 9,770 3 9,42	3 2,410		8 700 1 550	) 3,307	4,78 4,24 3,96	0 13,6 9 11,2 2 10,4	72 7,02 33 6,47
Leather goods	1909 1904 1899	6 3 3	60 37	}		2 41 4 2' 3 24			1 4 0			9 1 0 5	12 5 79 3 37 2

Figures can not be shown without disclosing individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.

#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSON	19 ENGAC	ed in ini	OUSTRY.		]					Value
industry.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm	Salaried employ- ees.	Wage earners (average num-	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	added by manu- facture.
•				mem- bers.		ber).			Ē	xpressed	in thousand	ds.	
TROY-Continued.													
Liquors, malt	1909 1904 1899	10 9 9	434 383	6 . 	99 83 71	329 300 303	1,382	\$3, 797 3, 248 2, 522	\$188 155 102	\$243 212 190	\$649 614 445	\$2,406 2,128 1,826	\$1,757 1,514 1,381
Marble and stone work	1909 1904 1899	9 7 6	49 46	13 12	4 2	32 32 35	90	87 78 54	2 2	36 24 17	31 23 21	88 76 62	57 53 41
Pottery, terra-cotta, and fire - clay products.	1909 1904 1899	3 3	141 134		27 22	114 112	240	258 274	32 18	52 50	102 39	241 141	139 102
rinting and publishing	1909 1904 1899	33 31 33	539 486	26 28	201 113 42	312 345 367	439	1,006 740 830	169 99 45	204 206 211	248 176 128	969 782 704	721 606 576
Tobacco manufactures	1909 1904 1899	37 43 44	361 366	51 52	29 18 8	281 296 247		286 226 147	24 16 4	166 156 114	245 214 137	579 533 358	334 319 221
All other industries	1909 1904 1899	118 87 114	3,930 4,078	110 66	338 240 208	3, 482 3, 772 3, 753	10,605	11, 250 10, 543 7, 659	470 333 253	1,954 1,978 1,846	4,341 4,905 3,757	8,552 8,806 7,460	4,211 3,901 3,703
UTICA—All industries	1909 1904 1899	317 333 311	14,634 12,154	276 335	1,205 937 788	13, 153 10, 882 8, 898	21, 874	\$27,796 21,184 17,898	\$1,550 1,084 736	\$5,964 4,477 3,276	\$16, 646 12, 774 8, 194	\$31, 199 22, 880 16, 479	\$14,553 10,106 8,285
Bread and other bakery products	1909 1904 1899	46 38 36	225 168 189	49 40 37	41 11 28	135 117 124	58	336 214 177	22 7 17	79 58 52	345 250 233	541 405 385	196 155 152
Carriages and wagons and materials	1909 1904 1899	7 7 5	59 143	10 9	2 7 1	47 127 34	70	76 159 34	1 8 1	29 75 15	21 48 17	67 164 44	46 116 27
Clothing, men's, including shirts	1909 1904 1899	24 50 258	1,634 1,504 1,470	32 58 72	210 142 151	$1,392 \\ 1,304 \\ 1,247$	475	2,019 1,921 2,359	257 182 129	651 515 445	1,611 1,598 1,329	3,079 2,943 2,586	1,468 1,345 1,257
foundry and machine-shop products	1909 1904 1899	21 28 \$ 19	$1,030 \\ 1,380 \\ 1,287$	13 23 15	85 152 166	932 1,205 1,106	1,231	2,232 2,604 2,461	114 198 134	496 637 541	1,298 1,177 1,013	2, 192 2, 708 2, 307	894 1,531 1,294
as and electric fixtures and lamps and reflectors.	1909 1904 1 1899	3 3	101 57	2	12 8	89 47	105	252 45	- 14 8	46 21	98 46	184 91	86 45
Hosiery and knit goods	1909 1904 1899	15 15 12	4,694 3,369 1,796	4 7 7	$127 \\ 154 \\ 62$	4,563 3,208 1,727	3,625	5,908 3,015 1,680	235 167 67	1,751 1,069 1,727	4,605 8,390 1,528	8,054 5,261 2,514	3,449 1,871 986
lquors, malt	1909 1904 1899	5 5 8	$232 \\ 169 \\ 162$		60 51 34	172 118 120	794	1,766 1,004 638	91 62 38	127 99 90	351 263 182	1,393 933 741	1,042 670 559
farble and stone work	1909 1904 1899	9 4 4	66 73	11 7	4 5 2	51 61 29	250	154 133 44	3 5 1	40 28 17	91 52 47	166 135 85	75 83 38
rinting and publishing	1909 1904 1899	27 <sup>8</sup> 29 28	485 454	26 28	164 127 109	295 299 320	533	832 607 527	167 137 94	186 172 177	222 168 136	861 736 620	639 568 484
laughtering and meat packing	1909 1904 1 1899	· 3 \$3	23 34	3 7	6 6	14 21	55	112 79	3 5	11 11	141 158	167 198	26 40
obacco manufactures	1909 1904 1899	$\begin{array}{r} 43\\ 47\\ 40\end{array}$	229 255 236	50 56 52	18 20 19	161 179 165	64	802 255 207	21 19 15	86 90 73	169 124 116	453 403 371	284 279 255
All ofher industries	1909 1904 1899	114 104 101	5,856 4,548	78 98	476 254 216	5,302 4,196 4,026	14,614	13,807 11,148 9,771	622 286 240	2,462 1,702 139	7,694 5,500 3,593	$14,042 \\ 8,903 \\ 6,826$	6, 348 3, 403 3, 233
YONKERS-All industries	1909 1904	158 106 107	13,746 10,347	150 104	885 464 308	12, 711 9, 779 7, 555	16,978	\$58,769 33,731 12,239	\$1,298 721 437	\$6,726 4,519 3,264	\$43,202 23,330 9,541	\$59,334 33,549 17,304	\$16, 132 10, 219 7, 763
Bread and other bakery products	1899 1909 1904 1899	107 28 18 17	178 130 98	29 21 18	24 9 5	7,555 125 100 75	13	12,255 138 109 69		89 67 43	327 243 143	598 395 252	271 152 109
lopper, tin, and sheet-iron products	1909 1904 1 1899	13 5	52 70	10 17 7	1	75 34 63	3	65 58	1	26 45	25 51	75 126	50 75
coundry and machine-shop products .	1909 1904 1899	10 2 9 2 12	1,559 961 670	9 7 12	204 99 63	1,346 855 595	1,952	4, 266 2, 391 1, 013	227 115 49	925 457 352	1,057 1,241 798	2,837 2,212 1,382	1,780 971 584
farble and stone work	1909 1904 1899	7 3 3	44 65 42	7	4 2 1	83 57 37	50	93 33 40	3 3 2	33 49 29	83 15 25	90 80	57 65 47

Figures can not be shown without disclosing individual operations.
 Excluding statistics for one establishment, to avoid disclosure of individual operations.
 Excluding statistics for two establishments, to avoid disclosure of individual operations.

# TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

			PERSO	NS ENGA	GED IN IN	DUSTRY.						continued.	
INDUSTRY AND CITY OR VILLAGE.	Census.	Num- ber of estab- lish- ments.	Total.	Pro- prietors and firm mem- bers,	Salaried employ- ecs.	Wage earners (average number).	Primary horse- power.	Capital.	Salaries.	Wages.	Cost of materials. in thousand	Value of products,	Value added by manu- facture,
										Apressed	in thousand	ds.	
<b>YONKERS</b> —Continued. Patent medicines and compounds and druggists' preparations.	1909 1904 1899	4 4 4	137 129 121	4 6	52 49 35	81 80 80	66	\$1,932 1,961 174	\$129 172 115	\$36 31 31	\$190 234 222	\$833 953 745	<b>\$6</b> 43 719
Printing and publishing	1909 1904 1899	18 1 9 12	160 104 65	14 6 7	43 19 12	103 79 46	91	348 162 134	43 21 17	74 53 27	68 31 18	280 151 123	523 212 120
Tobacco manufactures	1909 1904 1899	17 16 17	32 37 29	19 16 17		$13 \\ 21 \\ 12$	- <i>.</i>	21 21 16		7 9 8	12 10 15	33 31 39	105 21 21
All other industries	1909 1904 1899	61 42 42	11, 584 8, 851	51 41	557 286 192	10, 976 8, 524 6, 710	14, 803	51, 906 28, 996 10, 793	882 406 252	5,536 3,808 2,774	41,490 21,505 8,320	54,588 20,601 14,691	24 13,098 8,096 6,371
· · · ·	CITIES	OF 10,	000 TO 8	0,000 1	NHABI'	FANTS	ALL INDU	USTRIES	COMBI	NED.	<u>.</u>	I	<u> </u>
Amsterdam	1909 1904 1899	97 89 98	10, 776 8, 504	103 95	389 416 188	10,284 7,993 6,261	11,745	\$18, 162 14, 554 9, 461	\$545 404 218	\$4,823 3,179 2,457	\$13, 195 8, 853 5, 990	\$22,449 15,007 10,643	\$9,254 6,154 4,653
Auburn	1909 1904 1899	140 111 120	7,484 7,275	130 120	857 495 311	6, 497 6, 660 5, 895	15,455	23, 743 18, 178 12, 427	701 455 322	3, 157 2, 867 2, 452	8,937 8,244 5,212	15, 5d1 13, 421 9, 575	7,024 5,177 4,363
Batavia	1909 1904 1899	59 51 54	2, 340 2, 033	51 45	288 385 189	2,007 1,603 1,573	3,204	5,697 4,670 3,399	349 297 167	960 753 659	1,781 1,784 1,246	4, 401 3, 589 2, 573	2.62
Binghamton	1909 1904 1899	206 241 219	7,997 6,514	239 247	935 631 465	6,823 5,636 5,011	7,742	$\begin{array}{c} 14,214 \\ 11,827 \\ 8,654 \end{array}$	1,062 589 460	3,084 2,425 1,891	8,726 6,421 5,363	17, 114 13, 907 10, 539	8,38 7,48
Cohoes	. 1909 1904 1899	103 98 112	8,596 7,276	84 93	803 273 201	8,209 6,910 8,273	14, 291	13, 117 10, 063 11, 133	439 304 251	3,387 2,707 2,971	8, 176 6, 284 5, 908	4 14,831 10,290 11,031	6,65
Corning	. 1909 1904 1899	45 57 49	2, 289 2, 583	48 58	167 170 113	2,074 2,355 1,600	1,486	3,210 2,658 1,818	191 194 139	1,038 1,148 740	864 1,075 920	8,050 3,084 2,273	2.00
Cortland	. 1909 . 1904 1899	51 53 46	2, 622 2, 487	46 44	220 101 112	2,350 2,282 1,412	6,661	5,460 4,491 2,730	284 187 125	$1,302 \\ 1,117 \\ 609$	3,574 2,598 1,796	4,574	2,82 1,97 1,26
Dunkirk	. 1909 1904 1899	57 38 41	3, 301 3, 656	43 34	502 227 116	2,756 3,395 2,533	5,194	7,079 5,771 4,134	549 200 118	1,414 2,003 1,336	3,208 4,749 3,015	6,576 9,909 5,226	5,16
Elmira	. 1909 2 1904 1899	154 142 144	4, 425 3, 714	136 126	642 380 271	3,647 3,208 3,570	6,672	10,830 6,237 5,991	735 366 242	1,882 1,465 1,491	3,590 3,001 3,902	8,067 6,308 6,597	3,30
Fulton	1909 3 1904 3 1899	45	3,014	34	181	2,799	17,963	11,033	250	1,298	4,857	7,867	3,01
Geneva	. 1909 1904 1899	56 54 49	1,824 1,812	42 44	256 188 126	1,526 1,580 1,180	2,705	4, 104 6, 441 2, 280	217	792 805 505	2,991 2,996 1,650	4,952	1,95
Glens Falls	1909 2 1904 1899	68 49 57	3, 048 2, 235	69 57	205 126 162	2,774 2,052 3,101	6,772	6,226 3,200 4,055	164	1,223 721 950	2,309 1,292 1,859	4, 877 2, 825 3, 994	2,50 1,55 1,55 1,55
Gloversville	1909 1904 1899	187 180 183	6,604 5,603	221 248	642 307 241	5,741 5,048 7,813	6,163	11,969 8,027 5,567	290	$2,791 \\ 2,031 \\ 2,395$	8,062 5,252 5,254	9 341	L 4,0
Hornell	1909 1904 1899	45 45 48	2,459 2,385	40 44	236 141 110	2, 183 2, 200 1, 549	3,349	2,866 2,110 1,767	239 136 93	1,048 974 590	1,878 1,464 1,308	1 3.162	3 1,0
Hudson	1909 1904 1899	45 48 45	1,451 1,681	37 49	112 108 74	$1,302 \\ 1,524 \\ 1,132$	1,515	2,774 4,073 2,190	143	576 696 452	2,063 2,078 1,334	4.116	7 1,4 5 2,0 4 1,2
Ithaca	1909 1904 1899	81 67 62	1,105 1,120	72 70	160 177 97	873 873 861	3,045	2,978 2,771 2,523		439 424 426	840 819	1,920 2,080	
Jamestown	1909 1904 1899	156 149 108	7,753 5,978	142 170	822 571 378	6,789 5,237 4,528	11,679	16,075 10,200 8,364	995 693	3, 305 2, 235 1, 718	7,384 4,251 3,793	14,720 10,350 7,731	0 6,0 1 3,9
Johnstown	1909 1904 1899	138 100 115	3,009 2,745	198 151	222 168 127	2,589 2,426 3,695	3,410	5,204 3,680 3,589	176 140	1, 175 943 1, 153	3,925 2,561		3 1 - 1

<sup>1</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations. <sup>2</sup> Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within <sup>3</sup> Figures not available.

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#### TABLE I.-COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899-Continued.

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

Operation         Operation         Description         Process matrix				PERSOI	IS ENGAG	ED IN IN	DUSTRY.							Value
Image: 1	CITY OR VILLAGE.	Census.	ber of estab- lish-	Total.	prietors and firm	employ-	earners (average	horse-	Capital.	Salaries.	Wages,		Value of products.	added by manu-
Lith Fulls							number).			E	xpressed	in thousand	ls.	
Jack and an analysis         Jack and analysis         Jack anananalysis         Jack analysis         Jack an	Kingston	1 1904	96			$471 \\ 251 \\ 150$	$3,281 \\ 2,636 \\ 2,042$	4,648	\$5, 924 7, 119 3, 211	237	1,096	\$2,582 2,112 1,903	4,812	\$3,404 2,700 2,049
Baddatown       1000 1369       650 51       1.772 172       681 55       1735 186       1.735 186       2.468 1.660       9.695 1.600       151 1.600       9.000 57.7       9.665 1.985       9.665 5.9.77       9.665 1.985       9.665 2.9.78       9.665 1.985       9.675 1.985       9.665 2.9.78       9.665 1.985       9.675 2.9.78       9.665 2.9.78       9.665 2.9.78       9.665 2.9.78       9.665 2.9.78       9.665 2.9.78       9.675 2.9.78       9.775 2.9.78       9.675 2.9.78       9.775 2.9.78       9.775 2.9.77       9.775 2.9.77       9.775 2.9.78       9.775 2.9.78       1.465 2.9.78       9.775 2.9.78       1.465 2.9.88       9.772 2.9.77       1.465 2.9.88       9.772 2.9.77       1.465 2.9.88       9.772 2.9.77       1.465 2.9.88       9.772 2.9.77       1.465 2.9.88       9.772 2.9.77       1.465 2.9.88       9.772 2.9.77       1.465 2.9.7	Little Falls	1904	49	4,408 2,801		124	2,621	7,742	6,990 4,514 3,953	144	1,034	4, 923 2, 535 2, 233	4,471	3,537 1,936 1,838
1880         31	Lockport	1904	109	2,574 2,636		210	2, 138 2, 323 2, 359	14, 335 	6,123	255	1,110	3,316	8,168 5,808 5,353	2, 818 2, 492 2, 256
199         37	Middletown	1904	50	1,970 1,762	62 58	108	1,733 1,596 1,396	2,548	3,695 2,298 1,931	104	740	1,955	3,356	1,753 1,401 830
And schwarz         1044         228         655         23         615         617         Stat         438         432         432         432         442         4433         4433	Mount Vernon	1904	54	1, 492 904		209 183 93		1,590	3,202 7,284 4,057	150	426	784	1,877	2,090 1,093 582
1 1994         79         4,100         80         227         4,101	New Rochelle	1904	28	882 595		55	517	620	814	48	342	462	1,103	855 641 230
Index       Index <thindex< th=""> <thindex< th=""> <thin< td=""><td>Newburgh</td><td>1 1904</td><td>79</td><td>4, 966 4, 620</td><td></td><td>527</td><td>4,013</td><td>4,902</td><td>6,508</td><td>479</td><td>1,789</td><td>3,276</td><td>7,036</td><td>5,085 3,700 2,710</td></thin<></thindex<></thindex<>	Newburgh	1 1904	79	4, 966 4, 620		527	4,013	4,902	6,508	479	1,789	3,276	7,036	5,085 3,700 2,710
Altin 1 Jossen       1964 1869       3       2,194 1960       32 2       137 197       2,025 1,265	Niagara Falls	1904	85	7,214 5,132		504	4,574	95,792	27,116	591	2,348	9,192	16,916	14,381 7,724 3,652
Saturation       1004       55       1,004       66       80       200	North Tonawanda	1904	38	3, 146 2, 194	56 32	137	2,824 2,025 1,656		4 \$25	170	994	4.534	6,499	3,211 1,965 2,050
Ossining         1909         24         477         24         97         356         980         2,063         122         243         466         1,329         88           Oswego         1909         81         4,227         558         37,76          7,700         1333         1,433         6,103         4,013         4,313         4,312         7,752         2,977         3,760          7,002         333         1,424         4,512         7,752         4,777         3,750          7,002         333         1,433         6,103         4,312         7,752         2,975         3,133         3,825         3,440         1,243         2,952         7,852         4,977         3,153         3,2825         3,440         1,243         2,952         7,185         1,1755         1,271         1,275         2,064         755         3,133         3,825         3,403         1,212         2,952         7,185         1,1755         1,271         1,755         2,175         5,417         237         1,040         4,554         6,243         1,683           Pintiburg         1909         34         2,334         30         182         2,122 <th< td=""><td>Ogdensburg</td><td>1904</td><td>55</td><td>1, 463 1, 064</td><td></td><td>89</td><td>929</td><td>3, 404</td><td>2,722</td><td>89</td><td>341</td><td>2,263</td><td>3,057</td><td>1, 440 794 760</td></th<>	Ogdensburg	1904	55	1, 463 1, 064		89	929	3, 404	2,722	89	341	2,263	3,057	1, 440 794 760
2 1004 1000	Olean	1904	41	2,671 1,295		79	1,175	5,202	8,952 4,972 5,745	116	624	7,728 3,297 4,815	10,005 4,677 6,210	2,277 1,380 1,395
Peekskill       1909       52       2,384       46       283       2,055       3,133       3,828       340       1,241       2,942       7,883       4,94         Piattsburg       1909       41       1,243       33       161       1,047       5,739       2,664       155       513       1,745       •       3,133       1,925       214       620       7,168       1,745       •       3,133       1,925       214       624       1,925       1,753       •       3,133       1,926       323       510       1,745       •       3,133       1,920       7,01       1,753       •       3,133       1,920       2,064       155       513       1,745       •       3,133       1,920       5,010       1,923       1,940       1,943       510       1,943       510       1,943       1,943       1,943       1,940       1,943 <t< td=""><td>Ossining</td><td>2 1904</td><td>34</td><td>477</td><td>24</td><td>97</td><td>356</td><td>986</td><td>2,063</td><td>125</td><td>243</td><td>466</td><td>1,329</td><td>863</td></t<>	Ossining	2 1904	34	477	24	97	356	986	2,063	125	243	466	1,329	863
Piattsburg.       1900       41       1,243       33       161       1,049       5,739       2,664       158       513       1,745 $\bullet$ $\bullet$ 3,188       1,037         Port Ohester       1900       24       2,334       30       182       2,122       3,175       5,417       237       1,040       4,554       6,243       1,063       3,867       9,151       5,283         Port Ohester       1000       24       2,334       30       182       2,122       3,175       5,417       237       1,040       4,554       6,243       1,689         Poughkeepsie       1000       111       4,037       102       636       3,299       3,326       10,281       847       1,659       3,867       9,151       5,283         Renselaer       1000       118       4,027       102       636       3,299       3,326       10,281       847       1,659       3,867       9,151       5,283       3,337       7,207       2,517       2,517       2,517       2,517       2,517       3,531       1,263       2,184       161       3,462       2,981       5,783       3,633       8,844       8,003       3,555       1,851	Oswego	1904	77	4,247 4,076	58 50	872 280 251	1 3 740	9,753	. 6,710	331	1,462	4,717	10, 413 7, 592 7, 487	4, 310 2, 875 3, 175
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Peekskill	1904	46	2,384 2,158			2,055 1,957 1,281	3,133	1 3 805	218	1,025	2,942 2,282 761	7,888 7,252 1,783	4, 946 4, 970 1, 022
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Plattsburg	1904	39	1,243 876		86	750	5,739	. 2.066	75	328	510	1,057	547
Rensselaer.       1909       33       842       28       51       763       1,263       2,146       161       364       1,166       2,296       1,133         Rome.       1909       119       3,995       1112       250       3,633       8,844       5,003       355       1,851       10,203       14,423       4,223         1899       87        1004       89       3,479       83       187       3,200        3,509       147       880       3,402       5,694       4,203         Saratoga Springs.       1909       39       1,065       30       202       833       1,718       4,350       251       464       883       2,337       1,44         Watertown.       1909       44        157       660        13,543       18,662       5692       1,798       3,821       8,527       4,703       1,709       1,309       1,309       1,304       7,251       3,00       3,002       1,089       1,086       3,720       1,086       3,720       1,589       3,708       6,888       3,190       1,334       1,662       1,798       3,821       8,527       3,60       1,725 <td>Port Chester</td> <td>2 1904</td> <td>34</td> <td>2,334</td> <td>30</td> <td>182</td> <td>2,122</td> <td>3,175</td> <td>5,417</td> <td>237</td> <td>1,040</td> <td>4, 554</td> <td>6,243</td> <td>1,689</td>	Port Chester	2 1904	34	2,334	30	182	2,122	3,175	5,417	237	1,040	4, 554	6,243	1,689
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Poughkeepsie	- 1909 1904 1899	108	4,037 4,229	102 105	636 349 185	3,299 3,775 2,810	3,326	10,281 6,657 5,182	847 357 231	1,659 1,641 1,236	3, 867 3, 533 2, 981	9,151 7,207 5,577	5,284 3,674 2,596
Saratoga Springs	Rensselaer	2 1904	33	842	28	51	763	1,263	2,146	161	364	1, 166	2,296	1,130
Watertown.       1909       107       3,834       87       456       3,291       13,543       18,662       562       1,798       3,821       8,527       4,77         1909       1904       85       3,305       74       271       3,620        7,938       267       1,612       3,342       7,261       3,00         Watervliet.       1909       36       880       33       94       753       904       1,423       127       302       816       1,608       839       1,738       13,543       115       470       3,542       7,261       3,00         1899       41        206       3,223        7,938       267       1,589       3,708       6,888       3,18         Watervliet.       1909       36       1,227       3       83       1,111        1,353       115       470       839       1,507       77         1899       41        62       1,000        1,693       78       374       733       1,507       77         White Plains.       1909       33       333       28       56       249       404 </td <td>Rome</td> <td>1904</td> <td>89</td> <td>3,995 3,479</td> <td>112 83</td> <td>187</td> <td>3,633 3,209 2,274</td> <td>8,844</td> <td>8,903 5,722 3,509</td> <td>355 247 147</td> <td>1,851 1,392 869</td> <td>10,203 5,694 3,462</td> <td></td> <td></td>	Rome	1904	89	3,995 3,479	112 83	187	3,633 3,209 2,274	8,844	8,903 5,722 3,509	355 247 147	1,851 1,392 869	10,203 5,694 3,462		
Watervliet         1909         36         880         38         94         758         904         1,423         127         302         816         1,669         880           1 1904         36         1,227         33         83         1,111          1,353         115         470         839         1,738         84           1 899         41          62         1,000          1,693         78         374         733         1,507         77           White Plains         1909         33         333         28         56         249         404         2,095         54         180         372         816         44	Saratoga Springs	1904	39 35 44	1,065 668	30	50	590	1,718	. 0 3.485	251 57 120	464 284 211	883 702 678		
Watervliet         1909         36         880         33         94         753         904         1,423         127         302         816         1,669         880           1 1904         36         1,227         33         83         1,111          1,353         115         470         839         1,738         880           1 1904         36         1,227         33         83         1,111          1,693         78         374         733         1,507         77           White Plains         1909         33         333         28         56         249         404         2,095         54         180         372         816         44	Watertown	1 1904	107 85 91	3,834 3,365	87	271	3,291 3,020 3,223	13,543	18,662 10,869 7,938	592 372 267	1,798 1,612 1,589	3,821 3,342 3,708	8,527 7,251 6,888	4,706 3,909 3,180
White Plains	Watervliet	1909 1 1904	36 36	880 1,227	38	94 88 62	1	11	1, 423 1, 353 1, 693	127 115 78	470	839	1,660 1,738 1,507	853 899 774
	White Plains	1909 2 1904		333	28	4 .				}	180	372	81(	444

<sup>1</sup> Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city. \* Figures not available.

Contract of 1

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# TABLE II.---DETAIL STATEMENT FOR

Numerican         Numerican <t< th=""><th></th><th></th><th></th><th></th><th colspan="10">PERSONS ENGAGED IN INDUSTRY.</th><th>EARNE DR NEA DAY.</th><th>RS-NUI REST R</th><th>MBER EPRES</th><th>DEC. ENTA-</th><th></th></t<>					PERSONS ENGAGED IN INDUSTRY.										EARNE DR NEA DAY.	RS-NUI REST R	MBER EPRES	DEC. ENTA-	
Inter- and         Tent.         Tent.         Tent.         Tent.         Number         Tent.         Number         Tent.         Mate         Number           1         All Industries         44,000         1,000,400         7,400         1,000,400         7,400         1,000,400         7,400         1,000,400         7,400         1,000,400         7,400         1,000,400         7,400         1,000,400         7,400         1,000,400         7,400         1,000,400         1,000,400         4,000,400,400         4,000,400,400         4,000,400,400,400         4,000,400,400,400,400,400,400,400,400,4		INDUSTRY.	ber of			ried	Cle	rks,		W	age earn	ers,				l over.	Und	er 16.	Pri-
Image: Interval and the set of				Total.	tors and firm mem-	cers, supts. and	Male.		age num-	Mo		1		Total.	Male.		Male	Fe-	horse.
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1	All the Developt of				agers			·		onth.		onth.			шаю.		male.	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2	Agricultural implements	57	6, 851	41	294	688	111	5,717	мh	6,916	Лu	3,958	5,998				(1)	
0         1	4	plumes.	· ·	967	185	33	25	18	711	Au	995	Ja	336	9,040 882	1,223	7,613	16	188	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		DBres.							,	1.					12,057	150	11	•••••	
12         Disching and changing and polish.         88         1,18         8.8         6.8         2.0         130         0.05         My         900         16.         0.04         0.05         2,263         16.         0.04         0.05         2,263         16.         0.04         0.05         2,263         16.         0.05         2,263         16.         0.05         2,263         16.         0.05         1.05         0.05         1.05         0.05         1.05         0.05         1.05         0.05         1.05         0.05         1.05         0.05         1.05         0.0	8	Bags, other than paper Bags, paper	$21 \\ 20 \\ 100$	1, 157	12	29 34	60	19	1,032	No	1,093	Jā		1,070	331		б	1	751
12       Discription and elements and poliche       88       1, 188       88       03       240       180       683       My       066       My       066 <t< td=""><td>10</td><td>Belting and hose, leather Bicycles, motorcycles, and parts</td><td>28 20</td><td>924</td><td>179 22 15</td><td>41</td><td>216</td><td>41</td><td>604</td><td>De</td><td>691</td><td>Mh</td><td>542</td><td>1,427 698</td><td>1,073 673</td><td>350 21</td><td>4</td><td>•••••</td><td>1,046 1,882 1,988</td></t<>	10	Belting and hose, leather Bicycles, motorcycles, and parts	28 20	924	179 22 15	41	216	41	604	De	691	Mh	542	1,427 698	1,073 673	350 21	4	•••••	1,046 1,882 1,988
15       Boxes, digar		ing preparations.								_		_		676			-	•••••	406
16       Boxes, havey and puper	14	Brots and shoes, including cut stock and findings.	296	23, 815	293	502	759	634	21,627	De	22,755	Ja			20 14,548		255		15 10,456
11       Druches       113       2       22       127       60       132       40       1,557       No       1,555       10       1,055       10	16				351	299	334	180	11,538	De									
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	18 19			29,039	4,212	330 208	$1,745 \\ 118$	1,805 12	21,357	No Jy	7,739 21,757 13,787 1,108	Ja Fe Fe	5,903 20,987 1,431	22,024 10,015	$18,988 \\ 10,004$	410 2,926	19 92 11	18	13,397 10,319
26       Charming and preserving.       740       8,81       779       203       683       113       71       746       767       700       11,803       710       244       68       113       71,767       700       11,803       710       244       67       711       710       744       717       744       717       744       717       744       717       744       717       744       717       744       747       746       740       745       740       745       740       745       740       745       740       745       740       745       740       745       740       740       745       740       745       740       745       740       745       740       745       740       740       745       740       745       740       745       740       745       740       745       740       740       745       740	22 23	Brushes. Butter, cheese, and condensed milk. Buttons. Candles.	113 1,552 165 9	4,930 6,877	1,483 206	$271 \\ 121$	$\frac{234}{272}$	$\begin{array}{c} 76\\ 152 \end{array}$	2.866	Je De	6,493	Ja Ja	2,065 5,567	3, 163 6, 649	2.868	$278 \\ 2,907$	17 36	152	1,049 16,629 3,911
29       Cars and general shop construction panels       00       18,003	26 27	Canning and preserving Carpets and rugs, other than rag	790 16 34	12,272 272	11 33	70 9	$\frac{264}{24}$	29 6	11,898 200	De Je	$12,192 \\ 232$	Ja Ja	$11,570 \\ 164$	12,192 196	7,540 6,708 142	9, 483 5, 406 50	$^{102}_{51}$	73	12,469 11,901 350
	29	Cars and general shop construction	69	18, 003		546	984	19		-			-				7		
11       Cairs, steam-ralload, not including operations of automations of automa companies.       4       2, 881        24       164       16       2, 887       Fe       2, 023       Jy       1, 603       2, 007       2, 880       27        3, 365         22       Comments	30	Cars and general shop construction and repairs by street-railroad com-	62	4, 767		134	145	8	4, 480	Se	4,655	Jy	4,220	4, 773	4,750	22	1		4, 867
$ \begin{array}{c} \begin{array}{c} \begin{array}{c} 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	81	panies. Cars, steam-railroad, not including operations of railroad companies.	4	2, 581		24	154	16	2, 387	Fe	2,929	Jy	1,593	2,907	2,880	27	•••••		3, 345
36And materials. Cording mery, including shirts.2572932226110004No631Ja5036215052630337Clothing mery, including shirts.2, 683104, 6674, 2181, 1065, 9271, 803Do95, 100102, 60243, 51185, 9486440612, 57938Coftee and spice, rocating and grind- ing.901, 5551, 77391103001, 5621, 00140312, 25943, 51185, 9486440612, 57940Coffee and spice, rocating and grind- ing.901, 5551, 7732018, 570No10, 2461, 55210040324, 40440Coffee and spice, rocating and grind- ing.241, 16023, 772918, 570No10, 2461, 7550, 7003, 102403121847, 86641Confectionery	33 34	Cement	15 74 10 27	6,869 977	19 3	228 20	714 173	$\frac{162}{26}$	5,746 755	De Se <sup>2</sup>	6,130 830	Mh Jy	654	6,123 794	540	253	1		116, 197 2, 930
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		and materials. Cloth, sponging and refinishing	25												· .		23 		
41Consist24010, 1102372467732018, 570No10, 241y7, 7550, 7003, 9245, 670121347, 96642Cooperage and wooden goods, not elsewhere specified.3643, 1644150143342, 6118e3, 708Ja2, 0403, 30245, 670121347, 96642Cooperage and wooden goods, not elsewhere specified.3643, 1644150143342, 6118e3, 708Ja2, 0403, 30245, 670121347, 96643Cordage and twine and jute and life68617, 153.60350092537514, 680No16, 64516, 64510, 65210, 65210, 10, 10, 10, 10, 10, 10, 10, 10, 10,	38 89	ing.	2,983 3,083 90	104, 567 114, 925 2, 894	4,218 4,413 101	1,160 1,534 90	5,927 7,501 576	1,899 3,373 108	98, 104	00	100,317	Jy	88, 298 83, 160 1, 450				64	406	12,379
42Cooperage and wooden goods, not elsewhere specified.3643,1644156143342,611863,073Ja2,0403,0372,93096J44,7843Cordage and twine and jute and line goods.166,230902165425,95211,680No15,445Ja13,10016,04514,0331,014772113,10844Cordage and sinet-iron products.68617,1536635022116825,952Mh6,060165,71016,04514,0331,01477212415,06645Cordage and sinups.38403362211823294Je6010Da2213219183364346Cord, outting.3292829202312617544510,063Mh2,584My2,4302402302,31311152347Corstat		ers' goods.		1 1								-		·					,
$ \begin{array}{c} 43 \\ 44 \\ 45 \\ 45 \\ 45 \\ 45 \\ 45 \\ 45 \\$	42	Cooperage and wooden goods, not													·			· ·	
45Cordials and sirups.38403362211823294Je501DoDo221321918336 $\dots$ 43346Cork, outting.472,7874646204552,486Mh2,584My2,3042,4302802,13811152348Cotton goods, including cotton small4711,032231261754510,663Fe10,881Oc10,50210,8485,9654,5632168433,5449Cuttlery and tools, not elsewhere1615,070152157188954,478De4,673Jy4,2564,6794,07549247656,57150Dairymen's, poulterers', and apia- risis' supplies.11503041273104802My988Jy6647447291411,21451Dentists' materials1537910225526206Se276Ap25820817294221152Dysing and finishing textiles815,78268131247845,252Oc5,571De4,6825,5533,8831,6402468,7054Electrical machinery, apparatus, and supplies.11578155262916652De688		Copper, tin, and sheet-iron products. Cordage and twine and jute and linen goods.			663 9				14, 689 5, 952		15,945 6,069	Ja Je	18,100 5,716	16,045 5,991	14,033 2,781	$1,914 \\ 3,165$	77 21		13,108 15,056
49Cuttlery and tools, not elsewhere specified.1615,070152157188954,478De4,673Jy4,2564,6794,07549247656,57150Dairymen's, poulterers', and apia- rists' supplies.311,2503041273104802My988Jy6647447291411,21451Dentists' materials1537910225526206Se276Ap25820817294221152Dyeing and finishing textiles815,78268131247845,252Oc5,671De4,6625,5533,8831,6402468,67753Dyestiffs and extracts185,78268131247845,252Oc5,671De4,6625,5533,8831,6402468,67754Electrical machinery, apparatus, and supplies.130878155262916652De688Jy6107006692388456Electroplating		Cordials and sirups					118 27	23 11	294 835		501 910		213 745	219 812	183 424	36 383	2		453 692
49Cuttery and tools, not elsewhere1615,070152157188954,478De4,673Jy4,2564,6794,07549247656,57150Dairymen's, poulterers', and apia- rists' supples.311,2503041273104802My988Jy6647447291411,21451Dentists' materials.1537910225526266Se276Ap25826817294222152Dyeing and finishing textiles.815,78268131247845,252Oc5,571De4,6635,5533,8831,6402468,64753Dyestuffs and extracts.185,78268131247845,252Oc5,571De4,66325,5533,9831,6402468,64754Electrical machinery, apparatus.21722,819958752,09078718,972De21,012Ja16,65322,50319,3453,102551153,81355Electroplating.130878155262916652De688Jy6107006602388456Ennery and ther abraive wheels.1080432912716719De869Mh <td< td=""><td></td><td>Corsets Cotton goods, including cotton small</td><td>47 47</td><td>2, 787 11, 032</td><td></td><td></td><td></td><td>55 45</td><td>2, 436 10, 663</td><td></td><td>2, 584 10, 881</td><td>My Oc</td><td>2, 304 10, 502</td><td>2, 430 10, 848</td><td>280 5,995</td><td>2, 138 4, 553</td><td></td><td></td><td>523 33, 354</td></td<>		Corsets Cotton goods, including cotton small	47 47	2, 787 11, 032				55 45	2, 436 10, 663		2, 584 10, 881	My Oc	2, 304 10, 502	2, 430 10, 848	280 5,995	2, 138 4, 553			523 33, 354
51Dentists' materials.15379102255262068e276Ap258268172942221152Dyeing and finishing textules.815,78268131247845,252Oc5,671De4,6825,5533,8831,6402468,6753Dyestiffs and extracts.185797388432413F6444Jy3024043801453,80364Electrical machinery, apparatus, apparatus, and supplies.1308781552.62916652De688Jy6107006692388456Emery and other abrasive wheels1080432912716719De869Mh612874695176899057Enameling and japanning.171001822276Oc89Jy687153189859Fancy articles, not elsowhere speci-1824,2341901403161583,430No3,8821e3,1803,7352,3711,28446342,78560Freilizers.151,0418287522908Au1,143No671686686686666666 <td></td> <td>Cutlery and tools, not elsewhere</td> <td></td> <td>· ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>  '  </td> <td></td> <td>47</td> <td></td> <td>1.1</td>		Cutlery and tools, not elsewhere		· ·								-			'		47		1.1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		rists' supplies. Dentists' materials																	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	53	and supplies.	18	579	7	38	84	32	418	Fe	444	De Jy	392	404	390	14			3, 647 53, 813
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Electroplating. Emery and other abrasive wheels	130 10	878 894	155 3	26 29	29 127		652 719		688 869	Jy Mh							842 960
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	58 59	116d.	8 182	84	7	8	7	158	58	No	65	Jy Fes Je	52	64	64		46	 34	177 2,785
		Fertilizers Files	15 11	209	15	12	4		176	De			162				····i		2, 799 324

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# THE STATE, BY INDUSTRIES: 1909.

						EXPENS	ES,					•	
	Genital			Services.		Mat	erials.		Miscell	aneous.	3	Value of	Value added by
	Capital.	Total,	Officials.	Clerks,	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	products.	manu- facture.
1	\$2,779,496,814	\$2,986,241,238	\$77, 873, 121	\$108, 158, 949	\$557, 230, 839	\$62,797,016	\$1,794,107,326	\$34, 633, 449	\$40, 885, 311	\$69, 562, 602	\$240, 992, 625	\$3,369,490,192	\$1,512,585,850
2	26,108,792 7,982,306	12,263,095 18,186,583	414,694 271,609	597,477 753,212	3,270,305 3,451,994	$259,683 \\ 44,221$	6,154,967 12,214,237	6,036 452,449	98,800 2,775	$1,146 \\ 180,135$	1,459,987 815,861	14,970,980 21,162,385	8,556,330 8,903,927
4	1,428,634	1,078,182 27,364,888	39,509 863,733	20,328 739,801	389,586 7,016,306	$13,349 \\ 256,504$	510,047 14,651,598	24,578 272,763	4,606 47,781	4,618 2,873	71,561 3,513,529	1,356,586 30,979,527	833,190 16,071,425
5 6	25,102,473 1,918,180	5,683,925	88,509	92,621	149,348	27,776	5,042,907	16,105	4,734		261,925	6,123,088	1,052,405
7 8 9 10 11	1,887,689 3,280,869 1,180,717 4,441,596 853,498	$\begin{array}{r} 4,888,455\\ 4,979,967\\ 1,650,998\\ 5,356,861\\ 1,048,199 \end{array}$	$73,447 \\179,958 \\41,972 \\116,186 \\52,205$	75,412 83,898 19,897 248,630 21,771	330, 343 425, 724 582, 611 394, 609 344, 872	$16,744 \\ 22,629 \\ 10,641 \\ 41,860 \\ 11,604$	$\begin{array}{r} 4,099,290\ 3,910,637\ 809,565\ 4,058,781\ 510,406 \end{array}$	39,450 32,912 23,746 20,535 11,469	2,148 16,756 4,710 9,091 1,705	6,868 4,686 2,672 2,555	251,621 300,585 153,170 458,497 91,612	4,986,279 5,613,241 1,946,985 6,419,500 1,165,271	870,245 1,679,975 1,126,779 2,318,859 643,261
12	2,231,504	3, 374, 323	192,429	368,572	296, 612	23,495	1,803,114	47,794	5,693	2,420	634,194	3,835,838	2,009,224
13 14	52,911 26,047,823	106,606 44,889,191	6,110 1,011,762	7,288 1,241,984	14,312 10,668,548	724 256,305	64,631 28,718,206	3,187 365,482	276 48, 643	55 72,075	10,023 2,506,186	133,062 48,185,914	67,707 19,211,403
15	1,128,665	2,087,814	80,779	70,410	658,957	18,860	1,107,215	54,913	4,386	120	92,174	2,234,345	1,108,270
16 17 18 19 20	8,072,393 16,591,482 38,573,285 13,864,023 1,400,494	$\begin{array}{c} 12,577,024\\ 19,818,458\\ 75,514,724\\ 6,905,804\\ 1,997,971 \end{array}$	513,333 564,519 738,325 305,358 93,244	$\substack{410,500\\459,721\\1,988,785\\100,905\\41,616}$	4,261,453 3,950,841 13,880,684 3,957,760 452,328	$150,492 \\ 394,016 \\ 1,639,571 \\ 1,153,545 \\ 10,600$	5,962,343 12,744,746 51,098,900 563,735 1,246,301	456,785 181,709 1,963,765 137,994 11,398	$\begin{array}{r} 19,747\\ 48,537\\ 221,117\\ 67,723\\ 4,215\end{array}$	47,811 43,140 12,452 21,581	754,560 1,431,229 3,971,125 597,203 138,209	$\begin{array}{r} 14,233,672\\22,184,189\\86,232,985\\8,432,804\\2,214,128\end{array}$	$egin{array}{c} 8,120,837\\ 9,045,427\\ 33,494,514\\ 6,715,524\\ 957,167 \end{array}$
21 22 23 24	2,525,103 12,216,234 6,307,149 1,170,248	3,386,705 39,367,847 7,875,133 1,510,383	$125,453 \\ 275,972 \\ 267,851 \\ 56,094$	145,409 230,952 379,593 50,080	873,177 1,607,364 2,461,573 135,585	42,523 470,264 95,520 13,237	1,880,354 35,690,803 4,072,191 1,085,562	67,607 39,019 128,217 4,220		14,035 12,246 113,866	229,877 982,561 341,876 161,179	4,075,839 42,458,345 9,373,030 1,669,934	2,152,962 6,297,278 5,205,319 571,135
25 20 27 28	$15,824,766 \\ 27,527,617 \\ 202,395 \\ 14,576,400$	$\begin{array}{c} 16,923,102\\ 21,680,151\\ 218,721\\ 11,359,828 \end{array}$	451,347 323,580 11,261 376,948	464,385 362,836 20,260 354,079	2,563,194 5,870,298 95,091 3,739,940	307,725 309,335 5,921 172,032	11,361,060 13,005,837 58,544 5,636,686	83,398 106,555 9,240 239,547	46,688 65,661 974 72,991	3,024 35,523 38,688	1,642,281 1,600,526 17,430 728,917	19,039,735 25,606,262 285,838 13,292,531	7,370,950 12,291,090 221,373 7,483,813
29	15,264,382	21,730,091	554,349	687,225	9,801,863	489,192	9,598,369	4,450	95,517	109	499,017	21,726,491	11,638,930
30	11,304,448	6,639,747	170,857	110,907	2,832,234	115,922	3,063,919	6,610	126,011	<b>.</b>	213,287	6,639,788	3, 459, 947
31	5, 458, 697	5, 396, 983	53,724	155,530	1,577,237	48,986	3,377,074		. 26,560	44, 119	113,753	5,939,741	2,513,681
32 33 34 35	10, 167, 992 46, 464, 550 3, 088, 462 8, 044, 421	2,080,060 27,482,455 5,330,009 5,344,032	98,132 792,610 97,667 199,877	68,370 830,270 260,184 432,510	810,080 3,375,688 294,467 1,385,048	535,607 2,707,706 62,160 36,737	263,922 17,000,848 4,104,355 2,243,789	10,720 66,760 54,000 35,288	27,046 250,819 6,841 17,562	5,877 7,864 7,182	260, 306 2, 449, 890 450, 335 986, 039	2,408,546 35,346,072 5,823,319 6,183,762	$\begin{array}{c} 1,609,017\\ 15,637,518\\ 1,656,804\\ 3,903,236\end{array}$
36	362,669	786, 535	40,375	49,282	417,419	21,699	38,518	80,165	235		138,842	1,029,859	969, 642
37 38 39	119,421,285 84,213,014 6,829,294	240, 683, 678 241, 508, 350 15, 228, 748	3,132,362 3,367,724 205,927	7,817,113 10,100,944 610,418	48,073,213 54,840,793 725,929	938,601 1,171,158 154,923	134,388,042 146,971,317 12,498,896	3,206,262 5,390,897 160,721	102,064 36,078 41,277	30,956,459 8,929,305 2,102	12,069,562 10,700,134 828,555	266,075,427 272,517,792 17,429,911	130,748,784 124,375,317 4,776,092
40	3,835,922	3, 418, 054	121,908	205,425	664,657	32,957	2,037,641	37,023		175	303, 311		1,714,841
41 42	11,702,475 6,533,718	23,145,392		829,471 51,002	3,078,532	267,807 58,686	15,376,269	489,754 31,125	1 1 1	32,430 77,820	2,272,228	1	9,896,318 2,595,510
43 44	37,503,143			1 ·			20,276,819 7,429,498				2, 376, 633 1, 107, 022		17, 417, 341 4, 626, 050
45	1,524,239	1					1,482,510 1,153,879		11,826	1.	. 250, 483 87, 264		1,023,577
46 47 48	2,351,340		11	1					1		· ·		
48 49				277,597 223,542 226,144			1 :						
50	0,0.0,1.2			340,622		1			-				
51	-,,,,							1				N .	
52 53 54	11,258,953 4,145,223 60,426,560	8,248,384 3,884,806 48,840,704	489,897 145,933 1,986,273	274,814 118,129 2,566,202	259,50	409,069 46,969 3 935,713	3,730,192 2,820,108 26,546,898	99,203 15,648 233,990	3 55,483 8 18,511 0 166,413	320,232 39,569	. 460,007	9,673,228 4,505,310 49,289,812	5,533,967 1,638,233 21,807,204
50 50	450,030	829.674				33,030	1 .		6 721 7 6,840	1,957	36,789 419,375	1,116,35 2,561,01	874,737 4 1,481,346
51 51 51	1	302, 34	2,700 19,270 286,274	2,365 9,181 415,323	5 33,74 52,39 3 1,643,89	$\begin{array}{c ccccc}7 & 4,265\\2 & 4,189\\2 & 62,100\end{array}$	80,47 190,01 3,258,44	5 4,42 10,86 124,84	9 16,21	3 105,966	781,71		5 4,541,527
6) 6)	3,692,38 221,52	8 <b>3,610,13</b> 3 166,879	89, 158 13, 931	98,617 4,220	7 542,11 75,97	9 85,799 4 7,33	2,568,96 53,08 for one or m			1,300 7 498	205,42 3,04 8,04	2 4,250,56 0 201,49	1,595,801 141,07 <b>3</b>

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

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TABLE II.-DETAIL STATEMENT FOR THE

	PERSONS ENGAGED IN INDUSTRY. WAGE EARNERS-NUMBER DEC. 15, OR NEAREST REPRESENTA- THE DATA																	
					PI	ERSON	S ENGA	GED IN H	NDUST	RY.				EARNE OR NEA DAY,	RS-NU REST R	MBER EPRES	DEC. ENTA-	
	יי מתפתרותו	Num- ber of estab-		Pro- prie-	Sala- ried	Cle	rks.		W	age carne	rs.			16 and	l over.	Und	er 16,	Pri-
		lish- ments	Total.	tors and firm	offi- cers, supts.		Fe-	Aver-		Nun	nber.		Total.					mary horse- power.
				mem- bers.	and man- agers.	Male.	male.	num- ber.		ximum onth.		nimum onth.		Male.	Fe- male.	Male.	Fe- male.	
12	Firearms and ammunition Fire extinguishers, chemical	89	1,910 93	1	28 13	66 12	34 9	1,781 58	Ja De1	1,912 63	Au Ja	1,681 46	1,848	1,809	39		 	2.312
3 4 5	Fireworks. Flags, banners, regalia, society badges, and emblems. Flour-mill and gristmill products	7 64 983	$461 \\ 1,025 \\ 5,120$	1 73	17 26 232	20 44 559	5 69	418 813	My Se	487 882	Jy Ja	257 722	406 877	230 349	3 156 509	1 6 13	14 6	2,312 51 94 266
6 7	Food preparations Foundry and machine-shop prod-		4,163	1,191 179 1,471	252 155 2,795	589 5,809	148 217 1,545	2,990 3,023 64,066	No Oc De	3, 156 3, 474 70, 608	Je Ap Ja	2,820 2,784 58,467	3,125 3,333 71,157	2, 987 2, 050 69, 729	131 1,243	3 10	4 30	79,098
8 9 10	ucts. Fur goods. Furnishing goods, men's Furniture and refrigerators		$11,263 \\ 20,758 \\ 23,195$	1,310 466 655	185 281 746	1,107 1,260 1,148	417 565 365	8, 244 18, 186 20, 281	No No Oc	10,482 19,313	Ja Ja	6,190 16,702	9,857 20,039	6,632 4,483 21,476	1,261 3,200 15,466	163 9 17	4 16 73	102,437 1,102 3,284
11 12	Furs, dressed Gas and electric fixtures and lamps	52 183	893 7,188	70 142	20 202	40 613	8 154	20, 281 755 6, 017	Ap De	21,912 859 6,707	Ja De Ja	18,755 620 5,522	22,171 692 6,726	21,476 688 6,265	570 4 438	122 	78 3	28,260 1,172
$13 \\ 14 \\ 15$	and reflectors. Gas, illuminating and heating Glass. Glass, outting, staining, and orna-	$141 \\ 24 \\ 156$	9,221 3,295 3,570	15 7 165	398 77 93	2,162 69 113	$224 \\ 28 \\ 81$	6,422 3,114 3,118	Je My De	6, 950 3, 789 3, 368	Fe Au Jy	5,538 1,497 2,886	6, 643 3, 818 3, 385	6, 625 3, 598	10 130	8 84	 6	3,831 30,089 1,774
16 17	menting. Gloves and mittens, leather Gold and silver, leat and foil	225 41	7,195 502	312 48	137	272	187	6,287 437	No De	6,809	Ja	5,822	6,788	2,989	357 3,334	25 64	14 47	957 1,003
18 19	Gold and silver, reducing and refn- ing, not from the ore. Hair work.	10 132	64 2, 733	13 166	4 2 20		6  84	437 42 2, 313 369	De 1 De 1 No	447 43 2, 611 390	Jy Jy 1 Ja	427 41 2,126	447 43 2,541	212 43 1,096	226  1, 434	6 3	3 8	81 97
20 21	Dranus. Hat and can materials	63 32	522	62 33	30 32	41 • 46	20 11	369 965	De Se	390	Au	2, 126 354 824	\$93	330	52	11	•••••	4 113
22 23 24	Hats and caps, other than felt, straw, and wool. Hats fur-felt	244 44	4,000 5,379	348 47	55 74	200 202	49 43	3,348 5.013	No No	5, 461 3, 243	Ap Ap Fe	3, 156 4, 548	1,055 3,546 5,417	705 2,779 3,597	343 760 1,777	6 6 21	1 1 22	718 413 1,451
25 26	Hats, straw. Hosiery and knit goods. House-furnishing goods, not else- where specified.	46 360 99	2,922 37,673 2,175	47 302 100	84 479 77	193 655 111	90 287 75	2,508 35,950 1,812	Mh No De	3,243 37,244 1,909	Jy Ja Ja	1,510 33,712 1,755	5,417 2,832 38,419 1,930	1, 015 13, 289 783	1,803 24,424 1,123	165 10	14 541	835 35, 882
27 28 29	Ice, manufactured Ink, printing	89 29 9	1,372 908	34 20	115 57	86 256	13 50	$1,124 \\ 525$	Jy Ap	1, 485 540	Ja Ja	753 512	1,091 529	1,091 519			14 	2,983 21,375 2,301
30	Inic, writing Instruments, professional and scien- tific.	87	217 2,423	8 73	17 88	40 218	5 80	147 1,964	De De	195 2, 056	Fe Au	118 1,899	147 2,020	72 1,696	74 300	$1 \\ 12$	12	58 1,899
31 32 33	Iron and steel, blast furnaces Iron and steel, steel works and rolling mills. Jewelry.	9 25 479	2,562 11,089 7,146	4 603	39 175 176	200 754 588	25 65 400	2,298 10,091	De De	2,842 11,785	Ар Му	1,929 8,841		2,839 11,734	3 108	14		95, 416 136, 456
34 35	Jewelry and instrument cases Kaolin and ground earths		1,364 317	75 13	43 25	51 15	23 4	$5,379 \\ 1,172 \\ 260$	No No Fe	5,935 1,290 292	Ap Ja Je	$5,087 \\ 1,064 \\ 213$	5,882 1,279 268	4, 985 599 268	770 670	111 3 	16 7	1,596 214 5,815
36 37 38 39	Lapidary work. Lasts. Lead, bar, pipe, and sheet. Leather goods.	43 14 9 483	681 414 225 9,283	54 10 1 587	25 25 15 245	75 14 19 637	28 5 5 228	499 360 185 7,586	No De Se	539 396 198	Ja Ap Je 1	444 343 177		528 392 185	5 1,406	6 4 1	 27	592 610 1,247
40 41	ished.	109	6,278	132	131	247	80	5,688	De De	8, 357 6, 023	Ja My	7,045 5,237	7,906 6,085	0,421 5,923	1,400	22		14,265
42 43 44	Lime Liquors, malt Liquors, vinous. Looking-glass and picture frames Loumber and timber products	33 184 41 140	$527 \\ 10,705 \\ 452 \\ 1,891$	29 75 24 144	20 592 45 70	$13 \\ 1,266 \\ 93 \\ 139$	41 19 47	465 8, 731 271 1, 491	Au Jy Oc No	529 9, 081 373 1, 683	Fe Fe Au Ja 1	$358 \\ 8,480 \\ 227 \\ 1,381$	$478 \\ 8,856 \\ 356 \\ 1,642$	477 8,849 323 1,515	7 33 112	1 1 13	····· ····· 2	781 49,729 712 866
45 46 47			32,458 645 8,469	2, 519 20 768	1,014 43 339	1,127 50	327 8	27, 471 524	Oc De	28, 802 663	Fe Au	25, 959 383	31,926	31,631	208	87		131,462
48 49 50	Malt Marble and stone work Mattresses and spring beds Millinery and lace goods Mirrors	168 931 47	2,088 25,369 1,160	178 1,234 50	81 500 35	$356 \\ 143 \\ 1,786 \\ 69$	67 65 771 23	${}^{6,939}_{1,621}_{21,078}_{983}$	Jy Oc Mh De	7,777 1,740 23,617 1,054	Ja Ja Je Ja	5,237 1,487 17,278 904	$\begin{array}{c} 7,497 \\ 1,616 \\ 22,177 \\ 1,054 \end{array}$	7,414 1,335 4,768 1,031	73 279 17,102 22	10 2 57 1	250	5,659 18,110 1,581 3,511 1,145
51 52	Models and patterns, not including paper patterns. Moving pictures. Musical instruments and materials,	136 8	1,382 295	147	49 21	74 67	30 21	1,082	Oo	1,152	Je	1,024	1,173	1,019	148 60	1	5	910 195
53 54	Musical Instruments and materials, not specified. Musical instruments, pianos and organs and materials.	52 184	360 13,102	51 117	11 359	15 472	11 216	185 272 11,938	De De De	212 296 12, 705	Ja 1 Je Jy	$172 \\ 260 \\ 11,131$	212 297 12, 878	274	23 556	133		176 10,905
55 56	Needles, pins, and hooks and eyes	9	158 28	7 5	12 4	4	2	133 18	De De1	141	Se Je 1	120 13	142	38	104 1			157 124
57 58 59 60	Oil, essential Oil, linseed. Oilcloth and linoleum. Optical goods. Paint and varnish.	6 4 51 147	$\begin{array}{r} & 691 \\ 1,153 \\ 2,563 \\ 4,741 \end{array}$	5 2 49 78	26 15 45 305	77 $28$ $261$ $1,041$	$17 \\ 6 \\ 161 \\ 270$	566 1,102 2,047 3,047	Ap De De	678 1,173 2,225 3,137	Au Au Fe	371 1,037 1,975	398 1,173 2,224	398 1,070 1,680	103 528 252	13 9	3 2	4,845 2,384 1,896 10,857
61 62 63	Paper and wood pulp Paper goods, not elsewhere specified	178 107	13,018 5,257 1,507	59 68	425 171	352 532	109 183	$12,073 \\ 4,303$	No My No	12,788 4,517	Ja Au Ja	2,908 11,433 4,101	3, 125 12, 531 4, 519	2,862 12,100 2,034	431 2,399	9  12	74	337, 548 6, 257 669
63 64 65	Paper patterns. Patent medicines and compounds and druggists' preparations. Pens, fountain, stylographic, and	16 743 30	1,507 8,566 1,108	$     \begin{array}{r}       12 \\       523 \\       25     \end{array} $	26 649 44	291 1,530 197	417 1,136 112	761 4, 728 730	Se De Fe	875 4, 998	Je Au Au	690 4,358 685	4, 519 773 5, 063 755	138	629 2,691 • 82	15 7	6 22 2	5, 423 192
j	gold.		J i l	Ľ.				rone or i	1	769 ther mon		000	100			: ·	-	H

# STATE, BY INDUSTRIES: 1909-Continued.

						EXPENS •	ES.						
	Capital.			Services.		Mate	erials.		Miscell	aneous.		Value of products.	Value added by manu-
		Total.	Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.		facture.
1 2 3 4	\$4,343,117 113,670 938,835 1,186,621	\$2,217,270 264,783 725,134 1,634,716	\$63,955 34,100 43,599 40,134	\$86,238 13,130 28,630 73,585	\$1,161,563 37,020 189,177 354,053	\$40,792 2,575 3,697 13,691	\$466,745 100,800 324,447 877,931	\$540 5,764 6,435 44,230	\$14,458 141 2,263 2,218	\$450 2,650 11,722	\$382,529 68,603 126,886 217,152	\$2,373,888 269,002 748,816 1,864,080	\$1,866,351 165,627 420,672 972,458
5 6	30,270,090 9,232,770	65, 323, 183 15, 193, 362 133, 528, 614	405,245 482,914	544,688 746,098	1,668,631 1,332,061 40,602,327	385,875 219,798	60,084,426 9,440,455	87,752 157,854 1,268,670	121,582 43,666 640,590	145,510 1,790	1,879,474 2,768,720	69,802,278 17,324,076	9,831,977 7,663,823
7 8	9,232,770 208,320,397 19,509,480 24,110,032	133, 528, 614 34, 949, 986 36, 501, 065 37, 593, 403	6,725,741 474,120 756,036 1,526,694	6, 471, 632 1, 285, 484 1, 810, 322 1, 307, 685	40,602,327 5,704,292 7,756,206 11,668,576	2,634,372 89,582 147,804	58,986,828 24,050,673 21,428,530 18,684,530	1,268,670 953,214 481,504 658,862	49,572	1,305,175 267,273 1,375,293	14,893,279 2,075,776 2,708,150 2,901,619	154,370,346 41,301,451 42,197,117	92, 749, 146 17, 161, 196 20, 620, 777
9 10 11	24, 110, 052 34, 676, 291 744, 195	080 404	44,163	41,880	517, 189	147,804 471,912 29,504	242,645	39,037	37,214 144,582 2,528	228,943 185	63, 363	41,928,774	22,772,332 967,576
11 12 13	10, 840, 229 278, 608, 545	11,973,951	756,727 983,886	659,053 1,997,932	3, 455, 674 4, 363, 632	155,255 10,600,770	5,257,025 4,417,636 833,119	315,811 11,963	45,246	32,241 3,194	1,296,919 3,730,695	13,010,249 42,346,726	7,597,969 27,328,320
14 15	4,817,663 3,015,036	28, 659, 181 3, 839, 887 4, 320, 189	190,764 212,320	81,502 156,493	1,806,470 1,841,362	325,958 55,801	833,119 1,613,315	15,263 115,271	14,650 5,016	3,194 16,887 13,518	555,274 307,093	4,508,790 4,846,692	3,349,713 3,177,576
16 17 18	10, 536, 984 347, 650 540, 369	$12,866,261 \\ 829,670 \\ 2,480,044$	$216,839 \\ 4,740 \\ 5,000$	405,881 7,548 7,576	2, 840, 865 234, 752 34, 271	50,265 3,604 7,845	7,972,749 508,425 2,388,078	58,691 11,132 17,160	$11,138 \\709 \\1,573$	973,856 8,114 3,750	335,977 50,646 14,791	$14,336,365 \\918,650 \\2,603,311$	6,313,351 406,621 207,388
10 19 20	3,266,777 450,986	6,407,091 602,091	36,228 53,557	194,050 38,842	1,060,775 218,427	17,531 6,486	4, 482, 796 204, 377	114,468 35,751	2,664 1,561	111,526 14,914	387,053 28,176	7,861,306 717,133	3, 360, 979 506, 270
21 22	2,580,171 2,798,244	3,495,821 6,749,502	58,703 119,360	65,136 272,091	423,533 2,003,808	21,943 36,062	2,752,730 3,839,147	$\begin{array}{c} 62,015\\ 175,623 \end{array}$	1,343 1,392	48,094	$     \begin{array}{r}       115,418 \\       253,925     \end{array} $	3,834,671 7,825,922	1,059,998 3,950,713
23 24	5,702,386 3,592,477	9,620,859 6,587,141 59,754,254	161,713 229.174	230,948 302,015	2,725,118 1,472,555	107,491 45,741	5,298,774 3,947,655 38,028,783	49,709 145,725	17,832 4,481	153,464 2,844	875,810 436,951	10,218,660 7,617,000	4,812,395
25 26	52, 582, 240 4, 015, 268	59,754,254 7,197,361	1,149,844 142,915	891,969 163,281	14, 838, 655 785, 647	648,588 38,384	5,651,844	230, 545 82, 882	156,689 7,264	692, 058 8, 901	3, 117, 123 316, 243	67, 130, 296 7, 788, 939	28, 452, 925 2, 098, 711
27 28 29 80	7,765,592 3,051,635 606,355 4,478,366	2,936,243 3,365,146 588,431 3,082,030	212, 628 302, 523 50, 700 233, 410	74,222 276,627 69,695 262,419	834,547 370,032 62,033 1,146,061	760, 287 46, 254 3, 521 52, 770	283,981 1,831,888 280,862 922,254	$161,302 \\ 38,169 \\ 14,342 \\ 83,100$	66,386 14,384 3,753 10,325	5,301 31,271	537, 589 485, 269 103, 525 340, 420	3,808,070 4,058,557 744,769 3,307,978	2,763,802 2,180,415 460,386 2,332,954
31 32	39,666,101 61,453,060	23,769,980 34,651,251	211,226 539,883	197,171 752,194	1,758,054 6,323,190	7,967,326 2,170,165	12, 949, 834 23, 719, 005	78,165 16,074	103,635 119,339	2,746	504, 569 1, 008, 655	26, 620, 948 39, 532, 414	5, 703, 788 13, 643, 244
33 34 35	13,662,594 1,126,576 5,509,218	17,003,914 1,482,225 539,771	465,142 76,153 39,632	727,705 50,137 14,029	<b>3, 820, 497</b> 519, 109 109, 946	$111,356 \\ 10,651 \\ 23,804$	10, 321, 561 667, 379 222, 127	367,206 52,549 11,547	7,164 513 7,433	126,191 2,661	1,057,092 103,073 111,253	20, 362, 620 1, 780, 667 737, 765	9,929,703 1,102,637 491,834
36 37	4,252,425 448,913	7,410,892 690,583 2,038,930		92,453 24,031 37,019	791, 486 243, 148 119, 916	22,817 15,389 12,541 103,841 213,745	6, 296, 084 237, 451 1, 708, 210 11, 528, 260	42, 820 80, 374 12, 597	1,017 1,696 7,550	1,040 26,512	94, 764 85, 759 73, 125	8, 659, 980 787, 146 2, 068, 765 20, 996, 602	2,341,079 534,306 348,014 9,364,501
38 39 40	1,123,250 10,379,203 25,755,338	18,821,621 25,815,974	497,154 379,701	760, 967 309, 022	4,088,837 2,911,973	103,841 318,745	11,528,260 20,621,988	443, 544 85, 282	16,131 43,114	134,934 124,240	1, 247, 953 1, 021, 909	20,996,602 27,642,383	9,364,501 6,701,650
41 42 43 44 45	1,105,997 $127,492,415$ $3,685,196$ $2,208,690$ $64,490,672$	$\begin{array}{r} 487,018\\62,985,707\\1,380,062\\3,076,681\\65,012,600\end{array}$	$\begin{array}{r} 23,972 \\ 3,154,312 \\ 87,071 \\ 156,465 \\ 1,641,205 \end{array}$	7,904 1,896,760 129,529 155,119 1,156,505	$\begin{array}{r} 235,950\\7,294,454\\127,548\\885,137\\15,100,744\end{array}$	${ \begin{array}{c} 117,527\\ 1,573,063\\ 9,625\\ 26,099\\ 518,540 \end{array} }$	58,236 17,309,964 771,168 1,436,454 41,186,551	3,192 25,825 6,439 156,069 442,180	13,368,504 37,259 5,784	24,658 1,129,589	$\begin{array}{r} 34,676\\ 18,362,825\\ \cdot\ 211,423\\ \cdot\ 230,896\\ 3,523,883\end{array}$	$\begin{array}{r} 580,175\\77,720,045\\1,816,620\\3,554,555\\72,529,813\end{array}$	404,412 58,837,018 1,035,827 2,092,002 30,824,722
46 47 48 49 50	$\begin{array}{r} 21,978,213\\ 16,271,330\\ 3,059,872\\ 19,920,353\\ 1,548,401 \end{array}$	$\begin{array}{c} 10,043,427\\ 15,399,882\\ 5,243,466\\ 44,636,803\\ 2,975,757\end{array}$	139,275 657,682 120,010 969,543	75, 305 349, 480 140, 988 2, 268, 208 81, 304	400,790 5,636,063 922,125 9,625,609 630,334	216,817 256,045 40,394 251,638 29,898	8,655,625 6,819,479 3,420,189 26,883,145 1,969,407	47,912 267,904 151,998 1,227,620 70,403	100,364 8,166 21,793	242 430,144 150 790,874 2,616	$\begin{array}{r} 446,382\\882,721\\439,446\\2,603,373\\120,520\end{array}$	$\begin{array}{c} 11,051,078\\17,921,285\\5,898,625\\52,106,200\\3,262,470\end{array}$	2,178,636 10,845,761 2,438,042 24,971,417 1,263,105
51	1,531,210	1,899,482	64,185 103,363	87,674	735,865	31,269	589,191	78,075		21,304	249, 630	2, 460, 661	1,840,201
52 53	342,988 450,712	1,142,750463,489	122,221 17,422	69,050 16,396	119,911 153,632	6,271 7,052	641,462 204,115	13,652 28,672	719 1,182	14,040 6,789	155, 424 28, 229	1,299,550 569,985	651,817 358,818
54 55	83,019,385 289,154	30, 567, 168 215, 891	1,150,241 18,172	719,776 4,934	7,752,487 50,077	212, 493 2, 726	17,282,254 90,714	523, 982 4, 191		216,916 18,136	2,570,809 26,444	33,679,953 289,762	16, 185, 206 196, 322
56 57 58 59 60	133,818 7,241,282 2,901,569 4,546,980 22,002,185	165,037 14,036,520 3,104,373 3,355,386 25,598,075	6,100 393,906 71,114	855 79,491 42,310 120,283 1,430,834	11,259 338,251 570,630 1,327,735 1,863,339	7,193 77,441 83,430 57,630 290,705	$120,160 \\12,550,684 \\2,082,131 \\1,167,501 \\17,604,661$	1,155 28,321 141,841	323 37,291 11,899 17,878	1,044 67,513	$\begin{array}{c c} & 17,992 \\ & 559,456 \\ & 242,853 \\ & 501,401 \\ & 3,213,801 \end{array}$	$195,363 \\ 15,391,520 \\ 3,521,689 \\ 3,995,918 \\ 28,559,474$	68,010 2,763,395 1,356,128 2,770,787 10,664,108
61 62 63 54	90,911,790 9,276,133 4,382,881 22,483,541	43,775,408 11,069,379 2,211,875 28,772,496	997,937 493,691 123,798	473,213 576,615 470,248 2,160,169	$\begin{array}{c} 1,803,339\\ 6,743,806\\ 1,765,007\\ 328,026\\ 2,226,353\end{array}$	3,028,118 121,196 16,996	28,739,165 6,664,574	38, 690 182, 194 39, 075	352,660 167,677 24,610	21,216 85,346 18,083		48,859,610 12,111,418 2,165,990 37,343,083	17,092,327 5,325,648
65	1 .,,	2,817,336		274,037	426,874				4, 222	4,089	405, 653	3,218,760	

53063°—12—56

TABLE II.-DETAIL STATEMENT FOR THE

					PEF	sons	ENGAG	ed in ini	OUSTRY	ζ,			WAGE 15, C TIVE	EARNE DR NEA DAY.	RS-NU REST R	MBER EPRES	DEC. ENTA-	
	INDUSTRY,	Num- ber of		Pro-	Sala- ried	Cle	rks.		Wag	ge earner	s.			16 and	l over.	Und	эг 16,	Pri-
		estab- lish- ments	Total.	prie- tors and firm	offi- cers, supts.		Fe-	Aver-		Num	ber.		Total.					mary horse- power,
				mem- bers,	and man- agers.	Male.	male.	age num- ber.		timum onth.		imum onth.		Male.	Fe- male.	Male,	Fe- male.	· .
1	Photographic apparatus and mate- rials,	42	5,180	23	127	628	320	4,088	Jy	4, 288	Fe	3, 708	4,275	3,106	1,131	35		6,782
2 3 4	Photo-engraving. Pipes, tobacco Pottery, terra-cotta, and fire-clay	66 30 39	1,809 1,871 2,628	42 40 19	102 33 102	221 95 101	49 40 39	$1,395 \\ 1,663 \\ 2,367$	De Oc De	1,459 1,736 2,547	Ja Au Ja	1,316 1,607 2,105	1,457 1,664	$1,415 \\ 1,429$	23 222	19 4	····	470 803
5	products. Printing and publishing	1 1	94,803	3,732	4,052		7,982	63,120	De	66,147	Jy	61,199	2,613 66,390	2,133 51,021	425 14,722	51 507	4 140	4,039 53,973
6 7	Pumps, not including steam pumps. Rubber goods, not elsewhere speci- fied.	22 53	486 2,518	17 43	28 111	$22 \\ 211$	11 87	408 2,066	De De	455 2, 222	Mh My	384 1,856	456 2,319	454 1,710	2 594	5	 	719 6, 898
8 9 10	Salt. Saws. Scales and balances.	33 15 16	$1,686 \\ 456 \\ 582$	20 13 10	59 15 19	72 34 68	10 15 32	1,525 379 453	Au Mh No	1,677 451 508	Ja My 1 Ja	$1,274 \\ 328 \\ 374$	1,507 341 507	1,356 305 502	151 36 2	····· ·····3		9,923 1,058
$\begin{array}{c} 11\\12\end{array}$	Screws, machine Sewing machines, cases, and attach-	5 13	· 120 170	47	5 15	3 25	3 9	$\begin{array}{c} 105\\114 \end{array}$	De 1 De	129 178	Ja Mh	81 90	129 179	126 179	2	1	·····	585 190
13	ments. Shipbuilding, including boat build- ing.	255	6, 230	262	119	183	. 22	5,644	Му	6, 437	Fo	4,868	5,878	5,868	4	6	·····	120 13,835
14 15	Shoddy	14 21	255 495	7 20	18 23	5 22	2 9	223 415	De <sup>1</sup> De	$255 \\ 441$	յ <sub>ն</sub> 1 Fe	189     384	255 441	213 432	42 7		····.i	1,982 516
16 17	Signs and advertising noveltics Silk and silk goods, including throw- sters.	67 170	1,035 14,136	64 140	63 274	62 587	35 232	811 12, 903	No Mh	844 13,616	Ja Jy	748 11,726	876 13,231	734 4,641	133 8,255	9 78	257	389 11,110
18 19 20	Silverware and plated ware Slaughtering and meat packing Smelting and refining, not from the ore.	53 238 15	3,678 7,583 407	45 262 21	97 155 14	351 846 76	120 210 12	$3,005 \\ 6,110 \\ 284$	No De De	3,663 6,313 295	Jy Au Ja	2,625 5,893 200	3,373 6,260 293	2,795 6,082 293	556 172	17 4	5 2 	2, 819 13, 936 1, 595
$\frac{21}{22}$	Scap Stationery goods, not elsewhere	67 55	3, 924 1, 815	50 51	157 64	482 294	$259 \\ 163$	2,976 1,243	No Ap	$3,083 \\ 1,278$	Je Ja	2,842 1,166	3,075 1,248	2,393	680 348	27	9	5,873 1,307
23 24 25	specified. Stoam packing Stereotyping and electrotyping Stoves and furnaces, including gas and oil stoves.	36 47 58	1, 295 1, 182 4, 957	21 40 22	49 60 169	282 145 407	42 32 112	901 905 4, 247	De De No	1,050 927 4,604	Jy Au Ja	811 884 2, 930	1,051 927 4,413	948 918 4, 396	100 3 10	3 6 7	 	1,804 1,414 6,273
26	Surgical appliances and artificial	72	708	67	42	88	47	464	De	479	Ja	450	455	243	185	5	22	240
27 28 29	Tobacco manufactures. Toys and games. Type founding and printing mate- rials.	67	36,197 1,406 281	3,609 65 23	568 52 21	1,518 57 25	393 35 10	30,019 1,197 202	De No Jy	31,850 1,472 223	Fe Ja Ja	28,882 913 176	32,730 1,330 209	15,881 736 183	16, 564 564 26	147 23	138 7	2,657 451 231
30 81	Typewriters and supplies	1 1	5,160	22	138	343	119	4, 538	Ар	4,967	Au	3,111	4,751	4,082	662	7	•••••	2,757
31 32 33 34	Umbreilas and canes Vinegar and cider Wall paper Wall plaster	$142 \\ 277 \\ 13 \\ 31$	2,353 913 1,889 1,550	179 304 2 9	51 41 43 67	145 31 206 110	59 8 36 27	$1,919 \\ 529 \\ 1,602 \\ 1,337$	No No My	2,116 1,457 1,873 1,436	Ja Mh Au Ja	1,749 248 915 1,193	2,051 1,188 1,910 1,365	1,118 1,017 1,652 1,347	025 162 245 18	8 9 7	6 6	507 5,719 1,596 7,356
35 30 37 88	Whips Window shades and fixtures Wiro. Wirowork, including wire rope and oable.	$     \begin{array}{r}             8 \\             75 \\             7 \\           $	190 1,172 1,521 1,988	8 74 1 94	4 42 21 89	11 106 53 115	5 39 7 41	162 911 1,439 1,649	Mh My De No	190 948 1,593 1,753	De Se Ja Ja	81 858 1,320 1,511	181 986 1,594 1,744	110 789 1,447 1,564	71 197 140 160	 5 14	 2	254 1,555 5,455 2,402
39	Wood distillation, not including tur-	29	668	10	40	17	8	593	Fe	651	Au	501	646	646		<b> </b>		599
40 41	pentine and rosin. Wood, turned and carved. Woolen, worsted, and felt goods, and wool hats,		1, 594 9, 907	194 60	45 154	55 185	21 42	$1,279 \\ 9,460$	No Je	1, 452 9, 950	Au Ja	1,197 8,771	1,389 9,596	1,257 5,833	120 4,068	- 3 85	110	3, 223 22, 374
42 	All other industries <sup>2</sup>			1,808	1, 219	3, 501	775	33, 876		•••••		•••••					]	89,615
Ax Ba Be Bil Bo Ca Ca Ca	1 Same number reported for one er m 2 All other industries embrace— tists' materials	les			9 98 2 98 28 28 3 107 5	Grease Hairelo Hamm Hones Horsesl Iron an made Iron an Iron an Iron an	te and gr and tailo thocks and whe hoes, not d steel, o d steel, c d steel, c d steel, c d steel, steel d steel, steel g mills	works on loors an rgings nails an	steel w ts, was rolling d shutt d spike	orks or hers, an mills. ers	rolling nd rive	2 						

STATE, BY INDUSTRIES: 1909-Continued.

						EXPENS	ES.				-		
	Capital.			Services.		Mate	erials.		Miscel	laneous.		Value of products.	Value added by
		Total.	Officials.	Clerks.	Wage carners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	products.	manu- facture.
1	\$15, 410, 350	\$10, 921, 660	\$345,959	\$749,890	\$2,435,327	\$113,172	\$4,853,532	\$35,347	\$42,511	\$2,772	\$2, 343, 150	\$18,763,929	\$13, 797, 225
2 3 4	1,034,557 2,207,358 5,342,721	2, 616, 232 2, 602, 579 2, 946, 384	240,945 49,758 219,819	185,137 127,375 139,390	1,350,663 757,485 1,295,514	50,023 22,934 271,101	504,943 1,409,348 603,571	90,326 32,127 22,997	1,876 342 32,653	$18,252 \\ 1,020 \\ 5,722$	174,067 202,190 355,617	2, 908, 409 3, 212, 262 3, 403, 496	2, 353, 443 1, 779, 980 2, 528, 824
5	158, 366, 653	188, 269, 238	11,505,535	21,745,628	43,559,305	1, 936, 855	54,557,405	4, 122, 786	517,924	16, 969, 882	33, 353, 918	216, 946, 482	160, 452, 222
6 7	1, 089, 209 7, 329, 973	679,007 8,044,837	50,174 403,867	26,957 316,540	227,945 1,058,398	$11,260\\115,414$	$284,251 \\ 5,543,196$	3,207 40,421	4,206 21,271	2,040 15,448	68,967 530,282	817,090 8,783,693	521,579 3,125,083
8 9 10	$\substack{14,552,287\\960,712\\1,347,777}$	2,467,250 806,805 936,838	143,440 49,878 85,090	85,214 32,385 67,403	765,132 208,605 283,592	416, 178 18, 259 16, 592	779,013 436,273 403,510	17,487 19,978	35,157 5,526 8,601	52, 716 1, 600 5, 120	190,400 96,792 46,952	2, 896, 826 973, 641 1, 179, 584	1,701,635 519,109 759,482
11 12	206, 358 552, 440	140, 403 210, 955	7,366 24,317	4,877 15,395	52, 520 80, 407	4,572 3,351	52,888 54,530	2,790 9,488	1,417 170	271	13,973 23,026	176, 765 237, 480	119,305 179,599
18	14, 084, 162	9, 733, 787	304,759	238, 171	3,779,531	166,035	3,758,631	138,697	71,868	89,907	1, 186, 188	11,417,189	7, 492, 523
14 15	965, 363 509, 320	800, 326 764, 281	27,919 51,860	5,346 23,004	106,293 231,583	17, 178 12, 761	606,808 393,656	3, 240 24, 155	$3,596 \\ 1,362$	75	35,946 25,825	869,364 900,043	245, 378 493, 626
16 17	946, 286 20, 972, 116	1,567,951 23,853,493	117,135 709,385	76,191 783,908	496,579 5,385,355	17,330 249,977	642,746 13,698,612	67,783 325,414	1,427 48,145	5, 251 1, 269, 206	143,509 1,383,491	1, 772, 415 26, 518, 821	1, 112, 339 12, 570, 232
18 19 20	7,487,830 34,535,822 3,257,285	7,018,015 120,932,634 8,688,545	291, 306 547, 403 32, 375	373,682 1,142,417 97,911	$\substack{1,899,252\\4,387,005\\191,242}$	72, 180 507, 208 45, 643	3, 516, 679 109, 661, 026 8, 220, 916	70,978 239,879 16,906	10, 358 243, 327 4, 447	9, 278 23, 575	768,242 4,180,794 79,105	7,859,346 127,130,051 9,017,639	4, 270, 487 16, 961, 817 751, 080
21 22	16, 708, 332 2, 762, 337	20, 156, 635 3, 409, 348	295,507 152,116	533,777 337,585	1,435,571 635,580	290, 146 21, 851	15, 322, 236 1, 587, 987	116,323 56,049	62,814 8,408	6, 825 52, 306	2,093,436 557,466	23, 582, 977 3, 344, 380	7, 970, 595 1, 734, 542
23 24 25	3,774,644 1,209,210 11,479,464	3,542,495 2,038,390 8,387,503	180,852 148,855 430,540	308,811 163,789 474,350	463, 733 851, 946 2, 746, 399	53,964 74,202 215,999	1,916,582 551,940 3,326,402	17,264 96,863 86,627	11,273 1,430 56,445	104 8, 342 11, 245	589,912 141,017 1,039,496	3, 783, 236 2, 227, 987 8, 973, 730	$\substack{1,812,690\\1,601,845\\5,431,329}$
26	969, 101	1,248,002	90,660	97,636	276, 472	15,087	492,105	52, 163	1,508	4, 407	217,964	1, 490, 235	983,043
27 28 29	41,862,854 1,310,500 576,657	65,786,577 1,637,005 697,500	1,220,156 74,302 54,516	1,988,426 63,607 31,112	13, 666, 141 457, 428 139, 818	189,919 18,732 10,560	31, 151, 487 827, 964 373, 179	942, 327 64, 144 31, 611	9,025,649 2,455 1,661	19,683 10,783 986	7,582,789 117,590 54,057	76, 661, 552 1, 849, 225 822, 752	45, 320, 146 1, 002, 529 439, 013
30	12,486,596	7,105,884	404,749	397,175	3,020,484	77,493	1,803,042	35, 886	32,050	1,000	1, 334, 005	10, 298, 038	8,417,503
31 32 33 34	2,239,978 5,035,742 5,220,889 5,790,576	$\begin{array}{r} 5,723,503\\ 1,945,284\\ 4,622,083\\ 4,002,294 \end{array}$	$\begin{array}{c} 103,757\\ 55,325\\ 146,990\\ 205,246\end{array}$	144,591 24,947 266,976 146,678	907, 206 234, 192 806, 369 774, 924	37,636 33,856 55,314 169,578	4, 093, 574 1, 446, 256 2, 418, 994 2, 255, 351	149,167 13,148 50,276 13,469	1,540 12,746 21,793 27,876	14, 575 585 31, 344 31, 376	271, 457 124, 229 824, 027 377, 796	6, 426, 667 2, 246, 322 5, 276, 870 4, 493, 963	2, 295, 457 766, 210 2, 802, 562 2, 069, 034
35 36 37 38	246, 363 3, 340, 914 5, 477, 199 3, 759, 420	$\begin{array}{r} 320,069\\ 5,034,670\\ 9,321,121\\ 5,346,652\end{array}$	5,800 114,408 155,552 209,771	8,200 123,043 62,469 129,071	69,485 435,193 758,079 843,251	3,663 35,419 185,851 75,198	156,747 3,910,864 7,637,667 3,710,246	5,520 60,820 14,818 70,814	1,090 11,031 18,028 11,651	72 14, 298	69, 564 343, 820 488, 657 282, 352	341,287 5,475,752 10,065,431 5,875,153	180,877 1,529,469 2,241,913 2,089,709
89	3, 298, 055	3, 143, 341	65, 340	14,162	262, 095	604, 464	1, 914, 057	75	14,382		268, 786	3, 401, 722	883, 201
40 41	1,612,183 25,207,821	1, 978, 760 21, 379, 217	58,249 468,652	69,686 349,907	728, 547 4, 144, 918	46,781 370,969	871,805 14,373,059	65, 042 31, 722	2,872 79,289	3, 214 170, 876	132, 584 1, 389, 825	2, 421, 621 23, 739, 421	1,503,035 8,995,393
42	194, 761, 252	279, 923, 145	3, 512, 379	4, 132, 024	19, 179, 919	5,533,122	223, 807, 991	975, 516	8, 796, 488	165, 575	13, 820, 131	298, 514, 230	69, 173, 117
Lia Lia Ma Ma Ma Ma Oa Oa Pa Pa Pa Pa	n and steel pip bels and tags. juors, distilled comotives, not tches. .ts and matting neral and soda Icilage and pas kum. .not elsewhere ving materials neils, lead. .s. steel	dustries embra e, wrought made by railr  waters te e specified ng	oad compan	1 25 13 ies 2 2 4 594 1 1 31 8 2 1	Pulp goods Roofing mat Rules, ivory Safes and va Sand and en Smelting an Sopring and Springs, stee Statuary an Sugar, refini Sulphuric, n	and wood. uilts	and cloth opper	1gar	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ault lights a fashing mac faste halebone cu heelbarrow food carpet. food preserv	nd ventilato hines and clo atting s	rs. thes wringers.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

883

# TABLE III.-DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES,

#### CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES

ALBANY.

Ī					PERSO	NS ENG	AGED	IN INDUS	IRY.			WAGE E OR NEA	ARNERS REST RE	-NUMI PRESEN	3ER DE TATIVE	C. 15, DAY,	
	The state of the s	Num- ber of estab-		Pro- prie-	Sala- ried ofli- cers.	Cler	ks. '	(a)	Wage ear verage nu	ners imber);			16 and	over.	Und	er 16.	Pri- mary
- 14		lish- ments	Total,	tors and firm	super- intend- ents,		Fe-		16 and	over.	Un-	Total.					horse. power,
				mem- bers.	and man- agers.	Male.	male.	Total.	Male.	Fe- male.	der 16.		Male.	Fe- male.	Male,	Fe- male,	
1	All industries	395	11,607	410	368	755	213	9, 861	6, 962	2, 832	67	10, 413	7,378	2, 966	42	27	15,629
2 3 4 5 6	Boxes, fancy and paper Brass and bronze products Bread and other bakery products. Brick and tile. Carriages and wagons and materials	3 6 69 4 4	63 55 451 99 65	5 5 76 5 10	2 4 5 1 6	1 5 51 2	1  30 1 1	54 41 289 90 48	16 39 215 90 48	38 65	2 9	58 43 298 141 46	$     \begin{array}{r}       17 \\       41 \\       222 \\       141 \\       46     \end{array} $	41 67	2 8	····· 1	15 59 143 365 63
7 8 9 10 11	Clothing, men's, including shirts Coffee and spice, reasting and grinding Confectionery Cutlery and tools, not elsewhere specified. Foundry and machine-shop products	13 5 6 3 18	$1,075\ 43\ 123\ 29\ 745$	24 11 6 6 19	17 2 33	28 0 1 1 45	$\begin{array}{c} 15\\1\\ \\ \\ \\ \\ \\ \\ \\ 12 \end{array}$	991 22 116 10 636	102 19 54 18 607	875 3 58 1 29	14 4	1,037 23 128 20 734	107 20 60 19 700	916 3 64 1 34	1 1	13 3	258 170 140 20 809
12	Hats and caps, other than felt, straw, and wool.	3	20	5	• • • • • • • •	2	1	21	16	5		22	17	5			8
13 14 15 16	Liquors, malt. Lumbor and timber products Marble and stone work Patent medicines and compounds and druggists' preparations.	' 9 8 8	431 185 47 28	12 14 9	40 8 3	76 4 2	1 2	306 160 33 12	308 159 33 6	1 6		315 147 38 13	315 146 38 7	1 6			2,328 715 68 19
17 18 19 20 21	Photo-engraving. Printing and publishing Slaughtering and meat packing. Tobacco manufactures. All other industries <sup>1</sup>	3 64 7 52 102	35 2,003 30 322 5,749	51 8 56 88	7 59 59 167	2 180 2 16 328	78  69	26 1, 635 20 245 5, 097	$25 \\ 1, 149 \\ 20 \\ 192 \\ 3, 848$	403 49 1,239	$     \begin{array}{c}       1 \\       23 \\             \\             4 \\           $	30 1,654 19 251 5,396	29 1,163 19 197 4,074	468 50 1,310	1 18 4 7		8 1,324 91 60 8,973

<sup>1</sup> All other industries embrace: Artificial stone, 1; awnings, tents, and sails, 2; axle grease, 1; bags, paper, 1; baking powders and yeast, 2; baskets, and rattan and willow ware, 1; belting and hose, leather, 1; billiard tables and materials, 1; blacking and cleansing and polishing preparations, 2; bluing, 1; boots and shoes, including ent stock and findings, 3; boxes, cigar, 1; brushes, 1; cars and general shop construction and repairs by steam-railroad companies, 2; cars and general shop construction and repairs by steam-railroad companies, 2; cars and general shop construction and repairs by steam-railroad companies, 2; cars and general shop construction and repairs by steam-railroad companies, 2; cars and general shop construction and repairs by steam-railroad companies, 2; cars and general shop construction and repairs by steam-railroad companies, 2; cars and general shop construction and repairs by steam-railroad companies, 1; chamicals, 1; clothing, women's, 4; coffins, burial cases, and undertakers' goods, 1; corper, tin, and sheet-iron products, 3; cork, cutting, 1; electrical machinery, apparatus, and supplies, 2; electropiating, 1; engraving and dissinking, 1; engraving, wood, 1; flour-mill and gristmill products, 2; food preparations, 2; foundry supplies, 1; furnishing goods, men's, 2; furniture and refrigerators, 3; gas, illuminating and heating, 2; glass, cutting, staining, and

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1	All industries	1,753	61,246	1, 489	1, 889	4,505	1, 951	51, 412	43, 385	7, 445	582	56, 223	47, 508	8, 079	412	224	121, 791
2 3 4	Automobiles, including bodies and parts Bioyoles, motoroyoles, and parts Blacking and cleansing and polishing prep- arations.	23 7 11	8,640 181 287	13 4 4	68 10 15	430 10 54	85 7 78	3,044 150 136	2, 941 146 51	100 1 81	3 3 4	3, 570 183 134	3,448 178 50	117 1 80	5 4 4	· · · · · ·	4,581 151 209
5 6	Boots and shoes, including cut stock and findings. Brass and bronze products	14 18	722 414	14 12	8 21	37 24	10 10	653 347	343 339	228 4	82 4	690 501	362 489	241 6	56 6 -	31 	370 2, 417
7 8 9 10 11	Bread and other bakery products Brick and tile Canning and preserving Carriages and wagons and materials Cars and general shop construction and repairs by steam-railroad companies.	i . K	1,794 178 73 504 3,474	180 5 9 48	27 4 3 7 133	172 4 14 10 148	60 2 5 10 3	$1,355\\163\\42\\420\\3,190$	1,025 103 33 382 3,181	329 7 47 6	1 2 3	$1,305 \\ 103 \\ 48 \\ 449 \\ 3,456$	$\begin{array}{c c} 1,032 \\ 103 \\ 36 \\ 400 \\ 3,445 \end{array}$	331 8 49 8	2 2 		1, 191 265 100 551 2, 768
12 13 14 15	Clothing, men's, including shirts Clothing, women's Confectionery Cooperage and wooden goods, not else- where specified.	14 26 13	1, 681 655 633 194	70 12 22 12	34 16 14 7	105 43 62	42 28 30 3	1,430 556 505 172	442 95 181 168	962 455 317	26 6 7 4	1,585 567 577 178	490 97 207 174	1,067 404 362	6 1 	22 5 8	365 61 604 206 1,955
, 16	Copper, tin, and sheet-iron products	67	1,882	68	47	144	71	1,552	1,404	132	16	1,243	1,125	105	11	2	
17 18	Cutlery and tools, not elsewhere specified Electrical machinery, apparatus, and sup- plies.	11 8	273 347	6 4	17 18	13 31	6 12	231 282	223 268	7 13	1 1	239 320	231 304	7 15	1 1.		359 654
19 20 21	Flour-mill and gristmill products Foundry and machine-shop products Fur goods	10 149 12	793 10,018 122	1 94 11	40 264 3	231 568 9	45 224 11	470 8,868 88	457 8,788 32	18 62 53	1 18 3	465 10,185 130	447 10,095 47	17 73 79	1 17 2	2	10,987 11,690 6
22 23 24 25 26	Furniture and refrigerators	33 9 7 14 8	2, 347 98 130 401 458	25 10 6 22 6	60 2 6 6 17	147 5 4 81 12	63 5 4 44 7	2,052 76 110 298 416	1,019 35 82 244 92	74 38 21 45 317	59 3 7 9 7	2, 246 83 99 297 445	2,099 38 74 243 99	81 42 19 45 339	63  5 1	3 3 1 4 6	2,846 12 34 116 109
27 28 29 30 31	Leather goods Leather, tanned, curried, and finished Liquors, malt Lumber and timber products Malt.	22	609 579 828 2, 202 362	27 7 25 8	24 8 62 84 24	32 42 93 93 35	9 	509 513 673 1,950 288	396 453 670 1,925 288	102 50 3 6	11 10  19	523 581 677 2,087 337	407 513 674 2,059 337	105 57 3 6	9 11 22	2	460 1,297 4,888 6,713 3,862
32 33 34 35	Marble and stone work Mattresses and spring beds Mirrors. Models and patterns, not including paper patterns.	8	410 230 113 80	15 4 1 6	11 8 2 4	12 15 2 3	13	364 190 105 67	298 155 104 66	66 34 1		396 185 109 80	151	72 33 1			427 137 125 76
36	Paper goods, not elsewhere specified	4	140	2	10	8	12	108	62	45	1	117	67	49	1 1		98

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# AND TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909.

#### CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES.

ALBANY.

			•			EXPENS	ES.						
	Capital.			Services.		Mat	erials.		Miscel	aneous		Value of	Value added by
	Capitan	Total.	Officials.	Clerks.	Wage earners.	Fucl and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	products.	manu- facture.
1	\$26, 276, 429	\$20, 668, 578	\$855, 663	\$725,354	\$5, 234, 431	\$471, 845	\$10, 0 <b>4</b> 9, 005	\$134, 950	\$634,970	\$121, 382	\$2, 440, 978	\$22,825,702	\$12,304,852
23456	$\begin{array}{r} 38,546\\ 113,726\\ 842,646\\ 179,562\\ 203,217 \end{array}$	77,030 134,228 1,075,103 85,193 87,234	3,300 5,900 12,525 1,500 10,956	1,560 3,530 89,799 1,612 624	22,018 30,679 169,383 38,982 36,716	665 1,935 22,770 18,996 2,729	36, 470 85, 994 711, 783 2, 167 28, 969	3,375 2,400 14,993 600	379 396 4,761 667 1,797		9, 263 3, 394 99, 089 20, 669 5, 443	88,310 142,950 1,209,869 142,800 92,489	51,175 55,021 475,316 121,637 60,791
7 8 9 10 11	$\begin{array}{r} 604,114\\ 154,635\\ 165,710\\ 20,250\\ 2,922,965\end{array}$	043,759 253,099 199,931 31,971 1,223,560	17, 398 2, 390 63, 259	20,376 8,400 2,000 800 47,173	$\begin{array}{r} 330,818\\ 11,377\\ 34,851\\ 11,546\\ 395,582 \end{array}$	5,158 3,332 3,212 1,021 26,036	227,453 217,701 136,476 9,447 533,094	8,161 1,200 900 810 8,320	3,377 1,217 967 51 9,147	3,400 5,000 3,210 624	27, 618 10, 712 16, 525 2, 696 140, 325	668,080 288,066 245,774 47,002 1,353,723	435,469 66,973 106,086 36,534 794,593
12	28,600	45, 576		2,016	14,392	314	26, 267	594			1, 993	62, 500	35,919
13 14 15 16	4,203,388 337,505 52,138 48,121	2, 668, 514 414, 975 62, 907 51, 033	272, 500 10, 829 2, 560	91, 314 4, 188 1, 836	$291,593 \\ 82,430 \\ 23,231 \\ 5,139$	52, 156 2, 233 2, 192 618	600, 724 293, 959 29, 986 26, 483	3,050 1,142 863	447, 121 2, 192 174 136	$1,121 \\ 2,000 \\ 650$	$\begin{array}{r} 913,106\\14,973\\4,182\\12,748\end{array}$	3,056,444 468,226 86,169 68,887	$2,403,564 \\172,034 \\53,991 \\41,786$
17 18 19 20 21	26, 871 3, 119, 269 57, 718 443, 979 12, 713, 469	49,641 2,926,369 234,255 590,757 9,812,543	11, 290 140, 662 17, 750 282, 844	895 165, 968 1, 000 10, 964 321, 299	21, 485 957, 015 12, 674 124, 443 2, 620, 077	$564 \\ 37,666 \\ 2,203 \\ 2,315 \\ 285,730$	$11,782 \\ 1,236,162 \\ 208,711 \\ 277,488 \\ 5,347,829$	$1,069 \\ 24,447 \\ 1,920 \\ 7,004 \\ 54,102$	25 8,530 675 89,909 63,449	78,385 216 26,776	2, 531 277, 534 7, 072 60, 668 810, 437	$50,072 \\ 3,248,642 \\ 205,927 \\ 677,435 \\ 10,562,337 \\ \end{cases}$	37,726 1,974,814 55,013 397,632 4,928,778

ornamenting, 2; hand stamps and stencils and brands, 2; hosiery and knit goods, 2; ice, manufactured, 1; ink, writing, 1; jewelry, 2; jewelry and instrument cases, 1; lasts, 1; mattresses and spring beds, 2; mineral and soda waters, 11; models and patterns, not including paper patterns, 2; mucilage and paste, 1; musical instruments, planes and organs and materials, 1; oil, not elsewhere specified, 2; optical goods, 1; paper goods, not elsewhere specified, 3; phonographs and graphophones, 1; photographic apparatus and materials, 1; pottery, terra-cotta, and fire-cheap products, 2; saws, 1; soop, 1; stereotyping and electrotyping, 1; stoves and furnaces, including some and estimates and artificial limbs, 1; toys and games, 1; window shades and fixtures, 1; wirework, including wire rope and cable, 1; wood, turned and carved, 2; wool pulling, 2.

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						·							
1	\$193, 041, 267	\$195, 019, 696	\$4, 610, 680	\$4, 736, 659	\$28, 727, 228	\$4, 822, 019	\$131, 716, 222	\$915,176	\$1,728,571	\$959,620	\$16, 803, 521	\$218, 803, 994	\$82, 265, 753
2 3 4	9, 300, 037 338, 611 942, 202	8, 180, 955 329, 022 831, 229	$\begin{array}{r} 150,259\\ 24,629\\ 26,392 \end{array}$	132, 797 6, 718 96, 663	2, 199, 567 105, 435 66, 554	62,701 3,324 3,889	4, 532, 954 145, 666 407, 250	$21,339 \\ 6,053 \\ 2,617$	14, 336 983 2, 393	$2,025 \\ 2,000$	$\substack{1,067,002\\34,189\\223,471}$	9,597,763 390,357 963,586	5,002,108 241,367 552,447
5	909, 755	1, 221, 171	11, 185	44, 129	267, 136	8,826	826, 042	8,446	2,243		53,214	1,355,821	520,953
6	1,046,601	1,519,307	40, 605	31, 052	210,942	31, 102	1, 109, 973	6,492	1,813	15, 567	71, 761	1, 790, 549	649, 474
7 8 9 10 11	4,368,514 402,488 97,607 982,948 2,390,773	$\begin{array}{r} \textbf{4,750,168}\\ \textbf{146,630}\\ \textbf{178,510}\\ \textbf{906,128}\\ \textbf{4,528,648} \end{array}$	65,792 7,480 1,900 27,722 109,260	184,867 4,007 10,970 16,010 109,319	$724,886\\88,429\\17,115\\246,800\\1,938,340$	81, 223 22, 162 2, 313 8, 817 71, 814	$\begin{array}{r} 3,253,930\\ 2,903\\ 139,904\\ 547,793\\ 2,205,144 \end{array}$	45,355 4,125 1,770 8,354	19,795 5,832 720 4,120 17,471	5 2, 295	374, 315 11, 692 3, 818 44, 217 77, 300	$5,544,300\\165,221\\204,284\\1,196,020\\4,524,448$	$2,209,147 \\ 140,156 \\ 62,067 \\ 630,410 \\ 2,247,490$
12 13 14 15	$2,308,628\\448,391\\614,336\\305,536$	$\begin{array}{r} {3,043,137}\\{902,730}\\{1,108,994}\\{556,199} \end{array}$	62,701 22,864 26,927 9,970	$\begin{array}{r} 119,234\\ 39,802\\ 65,595\\ 1,612 \end{array}$	600, 778 181, 899 160, 073 94, 126	15,018 3,350 15,080 2,733	1, 781, 748 561, 704 723, 734 425, 345	39,286 13,189 24,109 2,800	2,567 1,004 1,440	306, 916 25, 030	114,889 79,922 67,442 18,173	3,698,623 1,014,059 1,179,919 608,941	1,901,857449,005441,105180,863
16	4, 127, 151	3,667,285	120, 589	167,063	852,647	44, 983	2,227,056	24,663	17,642	2,365	210,277	4, 122, 813	1, 850, 774
17 16	503, 455 1, 174, 857	356, 282 628, 171	30, 360 47, 992	16, 258 36, 983	128, 454 141, 327	8,632 14,413	132, 658 321, 436	3,306 3,170	1,994 3,419	2, 941 25	31,679 59,406	452, 283 661, 287	310,993 325,438
19 20 21	5,313,092 20,326,291 213,726	19, 032, 135 18, 378, 417 294, 755	$\begin{array}{c} 113,812 \\ 662,264 \\ 6,080 \end{array}$	205, 494 680, 795 10, 701	323,992 5,143,940 60,810	86, 249 393, 055 604	17,383,360 8,418,388 191,508	880 95,061 9,465	20, 543 59, 228 169	140, 202 173, 217	757,603 2,752,469 15,418	$\begin{array}{r} 19,941,592\\ 20,775,474\\ 350,321 \end{array}$	2,471,983 11,964,031 158,209
22 23 24 25 26	4,083,497 108,348 178,023 1,307,483 341,661	3, 808, 360 130, 689 129, 147 735, 777 347, 755	152,0884,45018,91714,80032,140	$159,530 \\ 9,985 \\ 0,151 \\ 84,259 \\ 15,082$	1,036,64834,74153,605173,650113,228	40, 808 1, 633 1, 094 8, 443 1, 883	$\begin{array}{r} 2, 115, 095 \\71, 262 \\28, 372 \\381, 812 \\128, 999 \end{array}$	33,227 4,400 3,558 9,774 9,668	14,427 100 52 357 107	1,600 1,822 67	$\begin{array}{r} 254,937\\ 4,118\\ 15,576\\ 67,682\\ 46,581 \end{array}$	4, 184, 964 147, 620 151, 243 979, 250 392, 530	$\begin{array}{r} 2,029,061\\74,725\\121,777\\593,995\\261,648\end{array}$
27 28 29 30 31	937, 585 3, 058, 110 12, 783, 514 5, 051, 255 15, 471, 572	964,309 2,658,582 5,305,407 5,074,691 6,380,159	34,664 35,085 299,470 140,214 91,575	61, 470 49, 980 113, 059 95, 981 52, 854	262, 166 246, 027 536, 338 1, 105, 938 221, 795	15,780 19,296 101,884 41,856 153,175	$504,766 \\ 2,174,658 \\ 1,378,828 \\ 3,283,167 \\ 5,503,619 \\$	10, 140 20, 000 12, 935 33, 699	$\begin{array}{r} \textbf{3,590} \\ \textbf{6,377} \\ \textbf{1,003,659} \\ \textbf{20,921} \\ \textbf{42,099} \end{array}$	600	71, 733 107, 159 1, 932, 169 373, 079 280, 743	$\begin{array}{c} 1,129,321\\ 2,808,993\\ 6,496,549\\ 5,580,018\\ 7,094,746\end{array}$	$\begin{array}{r} 608,775\\ 615,039\\ 5,015,837\\ 2,254,995\\ 1,437,952\end{array}$
32 33 34 35	752, 798 256, 132 78, 642 59, 421	821, 568 437, 105 283, 625 88, 944	23,454 11,770 1,300 7,060	12,627 13,962 3,564 2,476	242, 887 91, 147 69, 300 62, 030	7,759 2,805 1,789 592	435, 114 273, 339 198, 681 11, 555	3,156 10,914 5,200 4,060	2,857 776 294 108	13, 446 500	80,268 32,452 2,997 1,063	943, 318 554, 814 330, 991 122, 939	500, 445 278, 670 130, 521 110, 792
36	172, 447	249, 845	20, 520	9,004	44, 322	2, 160	147, 313	5,800	111		20,615	294, 816	145, 343

# TABLE III.-DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES, AND CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued.

BUFFALO-Continued.

					PERSO	NS ENG	AGED	IN INDUS	TRY.			WAGE I OR NEA	ARNERS REST RE	-NUMI PRESEN	SER DE TATIVE	C. 15, DAY.	
	INDUSTRY.	Num- ber of		Pro- prie-	Sala- ried offi-	Cler	ks.	(a	Wage ca verage ni				16 and	l over.	Unđ	er 16.	Pri-
	5	ish- ments Total. Total. tors super- intend- ments Male. Te- mad Male. Te- mad Male. Total.							Un-	Total.					mary horse- power,		
					and man- agers.	Male.		Total.	Male.	Fe- male,	der 16.		Male.	Fe- male.	Male.	Fe- male,	
37	Patent medicines and compounds and druggists' preparations.	61	580	48	44	56	202	230	81	146	3	215	76	136	3		362
38 39 40 41	Photo-engraving Printing and publishing Slaughtering and meat paoking	6 164 39 8	137 3,994 1,929 1,592	6 133 35 2	7 168 31 64	22 390 141 121	$     \begin{array}{r}       6 \\       214 \\       60 \\       45     \end{array} $	96 3,089 1,662 1,360	89 2,459 1,602 982	584 58 378	$     \begin{array}{c}       7 \\       46 \\       2 \\       \dots \end{array} $	102 3, 159 1, 694 1, 413	95 2, 514 1, 633 1, 020	596 59 393	7 44 2	5	153 3,588 3,743 2,489
42 43 44 45	Stereotyping and electrotyping Tobacco manufactures. Wall plaster All other industries <sup>1</sup>	3 188 3 377	58 764 47 15,293	$210 \\ 1 \\ 298$	1 13 5 472	4 20 6 1,102	3 5 3 429	47 516 32 12, 992	43 447 32 10,199	57 2, 508	4 12 	47 563 31 14,751	43 488 31 11,576	62 2,951	4 13 	130	112 21 220 50,433

1 All other industries embrace: Agricultural implements, 2; artilicial lowers and leathers and plumes, 2; artileian stone, 5; awnings, tents, and salls, 6; axle gress, 3; babbitt metal and solder, 1; bags, other than paper, 1; baking powders and yeast, 4; baskets, and rattan and willow ware, 8; belting and hose, leather, 2; belting and hose, woven and rubber, 3; billiard tables and materials, 1; bluing, 3; boxes, eigar, 4; boxes, funcy and paper, 11; brooms, 7; brushes, 2; butter, cheese, and condensed milk, 1; buttons, 2; carpets, rag, 7; carriages and sleds, children's, 1; cars and general shop construction and repairs by street-railroad companies, 1; cars, sieam-miroad, not including operations of railroad companies, 2; cash registers and calculating machines, 1; coment, 1; chemicals, 1; clothing, men's, buttonholes, 3; coffee and spice, roasting and grindling, 8; coffins, burial cases, and undertakers' goods, 2; corsets, 4; cotton goods, including cotton small wares, 1; dairymen's, poulterers', and aplaist' supplies, 3; dentists' materials, 1; dyestuffs and extracts, 1; electroplating, 11; ernory and other abrasive wheels, 2; enameling and japanning, 3; engraving and dissinking 5; engraving, wood, 2; fanoy articles, not elsewhere specified, 3; fortilizers, 3; fire extinguishers, chemical, 3; flags, banners, regalia, society badges, and emblems, 2; gas, illuminating and heating, 1; glass, outting, staining, and ormamenting, 9; glue, 1; grease and tallow, 3; hair work, 1; hand stamps and stenells and brands, 3; hats and caps, other than felt, straw, and wool, 4; hats, straw, 1; hosiery and knit goods, 1; grease and tallow, 3; hair work, 1; hand stamps and stenells and brands, 3; ink, printing, 3; not elsewhere specified, 4; ico, manufactured, 3; ink, printing, 3;

				[M]				a a x.									
1	All industries	25, 938	680, 510	29,055	16, 838	58,732	21, 883	554,002	366, 411	183, 861	3,730	587, 745	388, 647	195, 127	1,605 2	, 366	129,003
2 3 4 5 6	Artificial flowers and feathers and plumes. Artificial stone Automobiles, including bodies and parts. Bags, paper Baskets, and rattan and willow ware	$312 \\ 24 \\ 56 \\ 9 \\ 26$	9,759 266 2,326 441 462	411 13 31 9 20	144 12 117 13 17	$\begin{array}{c} 621 \\ 13 \\ 156 \\ 42 \\ 14 \end{array}$	$134 \\ 1 \\ 43 \\ 10 \\ 4$	${ \begin{array}{c} 8,449\\ 227\\ 1,979\\ 367\\ 401 \end{array} }$	$1,129 \\ 224 \\ 1,009 \\ 180 \\ 315$	7,128 $2$ $8$ $181$ $85$	192 1 2 1	8,981 287 2,338 380 414	${ \begin{smallmatrix} 1,200\\ 284\\ 2,326\\ 193\\ 325 \end{smallmatrix} }$	7,577 2 10 187 88	2.	188	201 222 1,460 200 129
7 8 9	Belting and hose, leather Bicycles, motorcycles, and parts Blacking and cleansing and polishing preparations.	18 5 60	451 33 677	15 7 46	21 55	91 2 125	26 	208 24 406	282 24 179	15  226	1 1	337 24 432	319 24 191	17 240	1. 1.		892 15 236
10 11	Bluing. Boots and shoes, including cut stock and findings.	4 181	26 9,177	3 194	2 183	369 369	1 231	15 8,200	5,900	$\overset{10}{\scriptscriptstyle 2,212}$	2 88	18 8,725	6,277	2,354	47	2 47	10 2,559
$12 \\ 13 \\ 14 \\ 15 \\ 16$	Boxes, cigar Boxes, fancy and paper Brass and bronze products Bread and other bakery products Brooms	31 211 163 2,378 13	1,396 8,018 4,197 20,401 139	82 244 157 2,511 13	25 176 147 213 3	752722541,1813	8 116 75 975 6	$1,258 \\ 7,210 \\ 3,564 \\ 15,521 \\ 114$	$\begin{array}{r} 661 \\ 2,754 \\ 3,244 \\ 13,476 \\ 111 \end{array}$	545 4,335 314 1,906 3	50 121 6 49	1,390 7,899 4,051 16,014 115	732 3,017 3,687 13,904 112	603 4,749 357 2,059 3	15 26 7 45	40 107 6	913 1,696 3,054 6,842 60
17 18 19 20 21	Brushes Buttons Canning and preserving Carpets and rugs, other than rag Carpets, rag	81 147 73 5 10	1,470 3,635 1,340 256 65	93 203 73 7 10	$37 \\ 62 \\ 44 \\ 6 \\ 2$	105 151 155 15 4	$     \begin{array}{r}                                     $	$1,203 \\ 3,172 \\ 1,034 \\ 215 \\ 47$	$\begin{smallmatrix} & 693 \\ 1,944 \\ 598 \\ 107 \\ 42 \end{smallmatrix}$	$\substack{ \substack{ 458 \\ 1,150 \\ 420 \\ 107 \\ 3 } }$	52 78 16 1 2	1,308 3,357 1,085 225 55	754 2,057 627 112 49	408 1,217 440 112 3	43 17 10 2	13 66 8 1 1	592 1,024 1,189 196 25
$\frac{22}{23}$	Carriages and wagons and materials Cars and general shop construction and	195 8	2,379 1,619	231	59 27	60 71	13 4	2,016 1,517	2,005 1,517	11		$1,993 \\ 1,695$	$1,982 \\ 1,695$	11			1,950 1,186
24	Cars and general shop construction and repairs by steam-railroad companies. Cars and general shop construction and repairs by street-railroad companies.	13	3,685		.89	121	4	3, 471	3,454	17		3,777	3,758	19			3,207
25 26	Chemicals	33 20	1,812 1,570	14 8	75 39	209 89	76 23	1,438 1,417	1,300 1,110	132 301	6 6	1,460 1,545	1,320 1,210	134 328	3 7	3	4,716 490
27 28 29 30 81	Clothing, men's, including shirts Clothing, women's Coffice and spice, roasting and grinding Coffins, burialcases, and undertakers' goods Confectionery	2, 526 2, 995 61 15 127	77, 543 110, 567 2, 080 731 7, 641	3,656 4,332 71 14 119	754 1, 420 75 33 182	4,681 7,284 516 132 607	$1,310 \\ 3,273 \\ 89 \\ 23 \\ 211$	$\begin{array}{c} 67,142\\94,258\\1,329\\529\\6,522\end{array}$	45, 390 41, 127 928 405 2, 678	$21,606 \\ 52,715 \\ 390 \\ 124 \\ 3,699$	$     \begin{array}{r}       146 \\       416 \\       2 \\       145 \\     \end{array} $	71,838 98,745 1,354 527 7,480	48, 505 43, 085 945 403 3, 071	23,117 55,224 407 124 4,242		111 377 2 159	7,899 11,157 3,475 600 6,254
32	Cooperage and wooden goods, not else- where specified.	39	1,200	42	17	21	9	1,111	1,097	12	2	994	981	11		2	1,215 6,415
33 34 35 36	Corper, tin, and sheet-iron products Cordage and twine and jute and linen goods. Corsets. Cotton goods, including cotton small wares.	466 9 39 13	$\begin{array}{c} 11,399 \\ 4,619 \\ 2,445 \\ 428 \end{array}$	437 2 39 14	356 31 32 12	587 131 195 28	175 19 51 6	9,844 4,430 2,128 368	8,542 1,880 226 166	1,230 2,515 1,892 198	$     \begin{array}{c c}       72 \\       41 \\       10 \\       4     \end{array} $	$ \begin{array}{c c} 10,608 \\ 4,441 \\ 2,088 \\ 388 \\ \end{array} $	9,257 1,882 222 175	1,333 2,518 1,856 209	59 19 1	19 22 9 4	9,485 421 415
87 38 39	Cutlery and tools, not elsewhere specified. Dyeing and finishing textiles. Electrical machinery, apparatus, and	70 69 160	763 3,198 7,002	73 67 77	28 93 272	46 195 741	30 73 226	586 2,770 5,686	392 1,681 4,824	147 1,083 836	47 6 26	615 2,906 6,241	412 1,764 5,295	154 1,136 917		49 2 1	377 2,738 6,954
40 41	supplies. Electroplating Enameling and japanning	97 11	652 67	119 13	18 1	21 2	14	480 50	459 32	17 18	4	508 49	486 31	18 18	4		477 48
42 43 44 45	Engravers' materials Fancy articles, not elsewhere specified Files Flags, banners, regalia, society badges, and emblems.	50	84 3,649 129 678	7 172 12 56	8 110 6 14	. 4	2	58 2,945 105 530	58 1,901 102 171	2	51 1 13	64 3,212 120 558	116 180	3 364	18	29 6	177 2,413 · 150 98 2,724
46	Food preparations	1	2,320	102	64			1,814			22	1,992		675	5 52	19 2	2, 122 33, 453 857
47 48 49 50 51	Foundry and machine-shop products Fur goods. Furnithing goods, men's. Furniture and refrigerators Furs, dressed.	1 821	29,200 10,719 8,051 9,878 880	758 1,264 409 464 64	$1,176 \\ 166 \\ 144 \\ 297 \\ 20$	1,073 830 592	392 373 111	24,014 7,824 6,295 8,414 748	8,180	2,468	51 17 51 3	25,412 9,353 6,493 8,980 685	6,382 2,053 8,730	2,951 4,388	$\begin{array}{c} 6\\ 12\\ 3\end{array}$	14 40	857 498 6,993 1,137

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#### TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909-Continued. CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued. BUFFALO-Continued.

	BUFFALO-Continued.													
						EXPENSE	5.							
	_			Services.		Mate	rials.	<i></i>	Miscell	aneous.		Value of	Value added by	
	Capital.	Total.	Officials.	Clerks.	Wage earners.	Fuel and rent of power.	O ther.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	products.	manu- facture.	
37	\$1,088,881	\$2,062,860	\$88,571	\$107,725	\$90,053	\$7,605	\$353,302	\$15, 472	<b>\$</b> 5,744	\$374	\$1,394,014	\$2,801,045	\$2, 440, 138	
38 39 40 41	$\begin{array}{r} 120,304 \\ 6,649,413 \\ 7,270,613 \\ 7,256,506 \end{array}$	$\begin{array}{r} 160,508\\ 6,276,566\\ 23,389,052\\ 7,067,717\end{array}$	$\begin{array}{c} 11,520\\ 363,421\\ 124,442\\ 91,864 \end{array}$	19, 183 423, 039 204, 868 122, 692	$79,052 \\1,936,777 \\963,210 \\544,592$	1, 310 77, 315 120, 821 106, 505	$\begin{array}{r} 26,291 \\ 2,277,601 \\ 21,667,805 \\ 5,653,565 \end{array}$	3, 444 108, 514 3, 159 350	285 20, 142 24, 314 37, 931	2,000 179,580 4,000	$17,423 \\ 890,177 \\ 280,433 \\ 506,218$	189,051 7,678,698 25,416,054 8,652,900	$161,450 \\ 5,323,782 \\ 3,027,428 \\ 2,892,830$	
42 43 44 45	73, 459 600, 004 171, 807 69, 054, 793	92, 817 1, 038, 867 95, 546 56, 799, 867	1,820 14,347 8,288 1,450,167	3,497 19,176 7,809 1,158,617		1, 901 3, 977 3, 062 3, 223, 278	42,039 546,443 48,957 39,125,143	4,400 18,213 274,613	102,936 624 262,448	710 82,333	6,965 50,722 12,240 4,285,900	$137,673 \\ 1,236,596 \\ 126,417 \\ 62,815,787 \\$	93,733 686,176 74,398 20,467,366	
ink bai ins and	, writing, 1; ir , pipe, and she truments and 1 1 varnish, 7; pe	on and steel, bleet, 1; liquors, v naterials, not sp ens, steel, 1; pe	ast furnaces, 3 inous, 1; look pecified, 1; m broleum, refini	3; iron and s ing-glass and usical instru- ing, 1; photo	teel, steel wor 1 picture fran ments, pianos graphic appa specified 4:	rks and roll nes, 8; milli and organs ratus and 1 safes and 1	ing mills, 4; in nery and lac and material materials, 3; I raults, 1; saw	on and ste goods, 8; s, 5; oil, li pipes, toba s, 1: scales	el, doors and mineral an nseed, 4; oi eco, 1; pott and balance	l shutters, 1; id soda wat i, not elsewl ery, terra-c ces, 3: screw	iron and ste ers, 21; muc here specified otta, and fira s. machine.	el forgings, 5; 1 ilage and past 1, 3; optical go e-clay product: 2; sewing mac	asts, 2; lead, e, 2; musical ods, 5; paint s, 2; pumps, hines, cases,	
noi and ref gas wr	t including stead 1 attachments, 1 and oil stoves 1 iters and suppli- 1 including turn	iting, 1; iron and steel, blast furnaces, 3; iron and steel, steel works and rolling mills, 4; iron and steel, doors and shutters, po, and sheet, 1; liquors, vinous, 1; looking-glass and picture frames, 8; millinery and lace goods, 8; mineral and soda wa pensit and materials, not specified, 1; musical instruments, pianos and organs and materials, 5; oil, linseed, 4; oil, not elsev nents and materials, not specified, 1; musical instruments, pianos and organs and materials, 5; oil, linseed, 4; oil, not elsev ransh, 7; pens, skeel, 1; petroleum, refining, 1; photographic apparatus and materials, 3; pipes, tobacco, 1; pottery, terra- louding steam pumps, 1; rubber goods, not elsewhere specified, 4; sales and vaults, 1; saws, 1; scales and balances, 3; scre achments, 1; shipbuilding, including boat building, 11; show cases, 2; signs and advertising novelties, 2; silk and silk goo g copper, 1; smelting and refining, not from the ore, 1; sporting and athletic goods, 2; statuary and at goods, 3; steam p 1 oil stoves, 3; sulphuric, nitric, and mixed acids, 3; surgical appliances and artificial limbs, 7; toys and games, 1; type fr and supplies, 1; umbrellas and canes, 2; vault lights and ventilators, 1; well paper, 1; whips, 1; wirework, including wi auding turpentine and rosin, 1; wood, turned and carved, 3. <b>NEW YORK CITY.</b>											melting and es, including ials, 1; type- distillation,	
	1	1	· · · · · · · · · · · · · · · · · · ·						1	1		1	\$937, 537, 243	
-	\$1,364,352,683 7,903,251 506,697	\$1,803,961,431 18,143,366	1 1	752, 592 752, 592 7, 632	\$323, 698, 132 3, 435, 058		12, 193, 339 191, 412			180,135	813, 529	21,098,226 485,739	1	
2 3 4 5 6	506, 697 3, 712, 861 945, 286 402, 051	18, 143, 366 415, 514 5, 722, 453 1, 481, 020 840, 860	$270,609 \\ 17,610 \\ 317,665 \\ 124,460 \\ 23,800$	7, 632 174, 741 55, 459 14, 636	149,806 1,584,739 155,542 280,205	43, 543 3, 394 67, 497 7, 397 3, 833	2,568,152 1,050,153 409,027	452, 149 15, 129 234, 258 28, 850 16, 043	2, 322 1, 739 8, 681 2, 622 2, 734	2,447 1,100 360 260	26, 345 765, 620 56, 177 90, 322	6, 194, 354 1, 682, 054 985, 991	8, 861, 344 290, 933 3, 558, 705 624, 504 573, 131	
7 8 9	2, 396, 180 35, 819 867, 099	2,770,921 54,926 1,781,101	78, 906 96, 905	98, 539 1, 432 136, 230	187, 663 12, 720 177, 355	16,468 515 15,409	2,015,512 31,238 980,870	20, 927 3, 900 44, 233	1,062 2,123	300 420	351,844 4,821 327,556	3,670,246 67,855 1,998,058	1,638,266 36,102 1,001,779	
10 11	19, 333 8, 808, 620	57,012 16,740,227	3, 300 394, 014	3,860 601,579	6, 527 4, 463, 992	308 97, 504	34,970 9,852,673	2, 470 218, 409	159 18, 549	62, 360	5,418 1,031,147	70, 314 18, 376, 429	35, 036 8, 426, 252	
12 13 14 15 16	930, 242 4, 600, 671 6, 264, 822 25, 796, 438 82, 302	$1,746,721\\8,424,062\\7,734,051\\54,839,070\\207,224$	72, 484 306, 375 292, 164 548, 895 4, 330	66, 276 816, 450 815, 637 1, 405, 645 5, 839	558, 450 2, 848, 716 2, 115, 915 10, 374, 524 52, 255	14, 494 96, 846 144, 128 1, 181, 979 2, 290	001, 332 3, 916, 145 3, 801, 052 36, 774, 943 123, 421	49,651 386,037 154,604 1,642,964 10,901	8,473 8,595 25,036 154,392 18	47, 197 27, 413 7, 522	80,561 497,701 858,102 2,748,212 8,170	$\begin{array}{c} 1,842,913\\9,450,308\\8,754,857\\61,904,484\\243,466\end{array}$	117,755	
17 18 19 20 21	$\begin{array}{c}1,705,938\\2,469,866\\3,427,552\\311,900\\35,472\end{array}$	282,791	68, 117 134, 584 101, 807 15, 750 2, 585	102, 312 160, 482 164, 048 19, 375 3, 108	556, 448 1, 348, 868 488, 533 89, 108 26, 325	30, 809 42, 698 46, 797 6, 821 635	1, 422, 303 2, 309, 159 3, 444, 385 112, 066 28, 153	59,311 104,011 71,566 6,230 5,876	5,480 2,846 10,085 7,350 73	10,259 111,876 1,000	163,270 159,122 637,810 26,091 8,534	2,863,455 5,235,481 5,537,640 357,580 91,568	238, 693 62, 780	
22 23	3, 168, 017 1, 181, 486	3, 483, 560	126, 301 45, 765	77,061 53,830	1, 326, 080 924, 698	58, 159 70, 783	1, 508, 282 915, 237	202,667 4,200	26, 244 11, 981	29,705	129,061 25,852	4, 165, 155 2, 052, 346	1,066,326	
24 25		11	126,801 271,392	93, 992 352, 727	2, 236, 068 981, 253	98, 466 305, 163	2, 450, 300 8, 913, 338	5, 360 45, 532 33, 338			. 194,977 . 843,200 251,141	5, 311, 962 12, 945, 352 3, 035, 596		
20	3, 474, 401	2,491,582	271, 392 116, 018	352,727 109,121	981, 253 786, 095	305,163 15,013	8,913,338 1,163,068			. 1				
22 22 23 30 31	80,761,926 6,102,708 2,101,397	236,090,095 13,767,456 1.896,950	181,427 60,618	5, 918, 880 9, 897, 302 549, 918 138, 665 654, 644	37, 978, 340 53, 517, 688 648, 678 287, 663 2, 373, 127	708,008 1,133,499 141,809 17,374 202,199	112, 123, 104 143, 711, 528 11, 306, 518 1, 195, 755 12, 192, 813	2, 928, 191 5, 338, 824 145, 113 26, 343 408, 211	1 7,039	8,919,007	163,493	2, 102, 009	121, 632, 354 121, 632, 354 4, 371, 065 888, 880 7, 667, 169	
8				21, 818	524, 326	33, 963	2, 187, 071	21,953	22,609	77, 050	136, 582	3, 445, 608	1, 224, 569	
88 88 88 88 88 88 88 88 88 88 88 88 88	1 10,060,013 2,090,720	4,105,861	89,428	622, 306 142, 362 252, 412 25, 372	5,785,729 1,601,368 888,943 165,198	606,030 115,883 22,994 14,922	11, 450, 550 4, 154, 631 2, 148, 927 558, 706	342,449 91,850 127,730 6,970	) 88,160 ) 7,598	87,665	1, 216, 895 912, 376 480, 164 51, 632	23, 303, 07 7, 374, 07 4, 610, 17 1, 051; 10	5 477,480	
3 3 3	3 4,034,564	1,170,244 5,288,218	69,017 401,608	53, 879 217, 608 836, 245	361, 710 1, 096, 949 8, 335, 937	17,590 133,284 170,876	442, 869 2, 593, 842 6, 666, 551	43,50 05,95 204,62	4 22,860	5 320, 232	405,875	1, 345, 55 6, 002, 64 14, 787, 73	8 885,099 3 3,275,517 6 7,950,309	
4 4		655,737	27,981		314, 695 22, 367	26,722 3,017	179, 029 14, 416	56,69 3,51	5 422 5 38		3,538	77,21	1	
4 4 4	2 129,890 3 5,483,280 4 108,65 5 757,36	0 302, 343 5, 921, 245 1 99, 760	19,276 243,679 8,307	9,181 379,593 4,220	52,392 1,448,313 41,656	5,200	190, 012 2, 835, 901 33, 825 702, 726	$10,86 \\ 120,28 \\ 1,63 \\ 40,34$	6 13,44 7 84	3 103,770 5 498	3 722,550	3 328,27 6,987,20 121,32 4 1,347,35	$\begin{array}{c ccccc}1&134,070\\6&4,097,601\\8&82,297\\2&635,702\end{array}$	
4	6 3,427,75	7,437,700	268, 214	362,156	797, 233	130,763	4,852,603	141,60		1	1	H ·		
4 4 5	7         82,972,57         8         18,635,69         9         10,325,81         9         10,325,81         9         11,446,21         1         734,53         734,53         10         11         734,53         10	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	)    388,053 5    561,986	1,300,322	5,359,266	850, 613 80, 909 54, 853 201, 633 28, 780	23, 207, 673 23, 353, 241 15, 489, 683 8, 528, 961 224, 472	$\begin{array}{c} 950,92\\ 918,21\\ 4,25,70\\ 565,40\\ 38,77\end{array}$	2 47,32 5 3,53 7 60,86	6 746,89 4 262,82 0 731,80 1 204,60 9 18	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	63,852,59           39,874,38           4         25,495,84           6         19,438,81           9         1,209,22	1         39,794,305           16,440,236         9,951,309           6         10,708,222           5         955,973	

# TABLE III .-- DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES, AND

# CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued.

NEW YORK CITY-Continued.

					PERSO	ons en	JA.GED	IN INDU	STRY,			WAGE 1 OR NEA	EARNER: REST RE		BER DEC TATIVE 1	. 15, DAY,	
	INDUSTRY.	Num- ber of estab-		Pro- prie- tors	Sala- ried offi- cers,	Clei	ks.	(a	Wage er verage n	umber).			16 and	l over.	Under	16.	Pri- mary
		lish- ments	Total.	and firm mem- bers.	super- intend- ents, and man- agers.	Male,	Fe- male,	Total.	16 and Male,	over. Fe- male.	Un- der 16.	Total,	Male.	Fe- male.	Male.	Fe- male.	horse- power.
52	Gas and electric fixtures and lamps and reflectors.	149	5,900	127	210	580	126	4,857	4,562	276	19	5,411	5,082	308	21		2,899
53 54 55 56	Gas, illuminating and heating Glass. Glass, cutting, staining, and ornamenting. Gloves and mittens, leather	9 111	6, 296 948 2, 360 465	3 126 46	183 33 53 8	$     \begin{array}{r}       1,691 \\       23 \\       74 \\       13     \end{array} $	96 5 55 7	4,326 884 2,052 396	4,325 827 1,835 161	$115 \\ 190 \\ 230$	42 27 5	4,411 993 2,240 433	4,410 929 2,003 176	$1 \\ 17 \\ 207 \\ 055$	 41 17	6 13	2, 599 23, 177 450 529
57 58	Gold and silver, leaf and foil. Gold and silver, reducing and refining,	34 10	402 64	39 13	3 2	777	5	348 42	186 42	157	5	351 43	188 43	252 158	4	1	17 41
59 60 61	not from the ore. Hair work Hand stamps and stenells and brands Hats and caps, other than felt, straw, and wool.	$126 \\ 46 \\ 226$	2,704 436 3,822	160 45 324	20 28 51	149 35 190	84 12 47	2, 291 316 3, 210	994 271 2, 541	$\substack{\textbf{1,288}\\36\\603}$	9 9 6	2, 519 341 3, 389	1,093 292 2,683	1,417 39 700	2 10 6	7	97 2 104 399
62 63 64	Hats, fur-felt. Hoslery and knit goods. House-furnishing goods, not elsewhere specified.	33 180 73	1,993 6,082 899	32 203 86	40 94 21	120 303 57	31 101 33	1,770 5,381 702	$1,003 \\ 1,666 \\ 260$	752 3,646 435	15 69 7	1,952 5,907 759	1,106 1,829 281	829 4,002 470	9 7 4	8 69 4	781 1,551 338
65 66	Ice, manufactured Ink, printing		803 883	11 18	60 56	45 253	<b>2</b> 48	685 508	685 498	 10		639 512	639 502	 10			14,794 2,199
67 68 69 70 71	Ink, writing. Instruments, professional and scientific Jewelry and instrument cases Kaolin and ground earths.	6 63 438 57 10	213 1,358 6,668 878 107	55 553 60 8	$17 \\ 51 \\ 108 \\ 25 \\ 8$	40 137 556 37 1	$5\\ 34\\ 352\\ 14\\ 1$	146 1,081 5,039 736 89	72 905 4,273 441 89	74 108 659 292	8 107 3	$140 \\ 1,123 \\ 5,538 \\ 811 \\ 92$	$72 \\ 1,003 \\ 4,696 \\ 486 \\ 92$	74 112 724 322	$     \begin{array}{c}                                     $	2 12 1	58 1,416 1,445 93
72 78 74 75 76	Lasts. Lead, bar, pipe, and sheet. Leather goods. Leather, tanned, curried, and finished Liquors, malt.	6 389 20 74	225 211 7,672 533 6,878	2 1 485 18 20	13 14 172 22 281	11 15 536 31 770	4 4 178 9 14	$195 \\ 177 \\ 6,301 \\ 453 \\ 5,793$	195 176 5, 149 384 5, 792	1,098 69 1	1 54	220 178 6,502 502 5,914	220 177 5,362 425 5,913	1,144 77 1	36 	20	345 285 1,127 946 985 31,378
77 78 79 80 81	Looking-glass and picture frames Lumber and timber products Marble and stone work Mattresses and spring beds Millinery and lace goods	$\begin{array}{r} 115 \\ 275 \\ 247 \\ 122 \\ 886 \end{array}$	1,5099,2924,7951,45424,712	122 255 255 130 1,181	50 289 218 58 477	118 516 231 111 1,739	39 82 29 42 754	$1,180 \\ 8,150 \\ 4,062 \\ 1,113 \\ 20,561$	1,094 8,125 4,054 923 4,412	75 7 190 15,865	11 18 8 	$1,341 \\ 8,684 \\ 4,430 \\ 1,114 \\ 21,629$	$1,243 \\ 8,657 \\ 4,421 \\ 924 \\ 4,041$	85 8 190 16,689	11 19	2   244	543 19,240 10,711 819 3,372
82 83	Mirrors Models and patterns, not including paper patterns.	37 96	938 1,094	46 110	27 37	65 66	18 27	782 854	763 717	19 132	Б	844 903	823 758	21 140		5	835 526
84 85	Musical instruments and materials, not specified. Musical instruments, pianos and organs	37 133	304 9,305	37 84	7 264	14 363	11 167	235	216	19	•••••	260	239	21			126
86	and materials. Paint and varnish	113	4,319	60	261	968	228	8, 427 2, 802	8, 216 2, 562	101 .231	110 9	8,979 2,871	8,754 2,625	108 237	116 8	1	6,033 8,925
87 88	Paper goods, not elsewhere specified Patent medicines and compounds and druggists' preparations.	82 433	4, 271 5, 450	55 291	129 440	461 973	141 574	$3,485 \\ 3,172$	$1,395 \\ 1,446$	$2,011 \\ 1,700$	79 26	3,647 3,379	$1,460 \\ 1,540$	2,104 1,811	9 9	74 19	3,311 2,928
89 90 91	Pens, iountain, stylographic, and gold Photo-engraving Pipes, tobacco	30 46 21	1,108 1,517 1,772	25 25 30	. 44 76 28	$197 \\ 193 \\ 92$	$     \begin{array}{c}       112 \\       36 \\       40     \end{array} $	730 1,187 1,582	$\begin{array}{r} 642 \\ 1,158 \\ 1,367 \end{array}$	70 21 202	9 8 13	755 1,231 1,578	664 1,201 1,364	82 22 201	7 8 4	2	192 275 701
92 93 94 95 96	Pottery, terra-cotta, and fire-clay products. Printing and publishing Rubber goods, not elsowhere specified Saws Sewing machines, cases, and attachments.	10 2,883 36 7 10	$\begin{array}{r} 647 \\ 74,118 \\ 1,161 \\ 152 \\ 80 \end{array}$	2 2,352 31 8 6	$3,183 \\ 41 \\ 6 \\ 10$	21 13,492 121 16 4	4 6, 769 28 9 4	580 48, 322 940 113 56	501 37, 536 676 111 56	75	4 333 10	650 51,008 998 125 65	561	84 11,034 269 2	1 244 2	4 107 9	705 37,835 2,916 401 38
97 98 99 100 101	Shipbuilding, including boat building Show cases. Silk and silk goods, including throwsters Silverware and plated ware Slaughtering and meat packing	71 17 118 42 112	4, 328 452 8, 887 1, 852 4, 863	66 23 116 43 127	73 20 160 64 104	$156 \\ 22 \\ 485 \\ 245 \\ 589$	11 8 174 59 119	4,022 370 7,952 1,441 8,924	4,014 370 3,008 1,335 3,919	4 7 4,744 101 5	4 2 200 5	3,906 404 8,064 1,574 4,006	3, 898 895 3, 050 1, 458 4, 001	4 7 4,811 110 5	4 . 1 49 6 .	 1 154	9,756 476 4,589 1,144 8,715
102 103 104 105 106	Smelting and refining, not from the oro Soap Stationery goods, not elsewhere specified Steam packing Stereotyping and electrotyping	11 41 49 25 34	331 2,191 788 839 1,036	$16 \\ 34 \\ 46 \\ 14 \\ 26$	9 74 43 28 56	63 342 85 62 130	9 206 72 8 25	234 1,535 542 727 790	234 1,262 303 662 790	273 226 63	13 2	238 1,571 539 858 811	238 1,292 301 781 811	279 225 74	4 3	9	285 3,144 245 1,210 1,180
107	Stoves and furnaces, including gas and oil	23	1,342	17	46	115	41	1,123	1,121	2.		1,071	1,069	2			2, 596
111	Burgleal appliances and artificial limbs Tobacco manufactures Toys and games Type founding and printing materials	59 23	$\begin{array}{r} 514\\ 26,664\\ 1,284\\ 260\end{array}$	2, 199 61 17	82 417 44 21	64 1,221 55 24	81 306 29 9	338 22,521 1,095 189	188 10,334 575 105	145 12,119 496 24	5 68 24	325 24,833 1,206 196	181 11,305 633 171	139 13, 363 546 25	26 20	5 49 7	172 2,115 297 217
112 113 114 115 116	Typewriters and supplies Umbrellas and canes Vinegar and cider. Wall paper Wall plaster	27 134 4 7 12	905 2,322 57 811 912	19 170 2 2 5	48 51 5 10 28	155 145 10 119 64	23 59 14 11	660 1,897 40 666 804	563 1,038 40 576 786	97 853 88 18	6 2	670 2,029 44 806 823	572 1,110 44 697 805	98 912 106 18	7.2	1	407 495 75 566 8,730

A. A. S. V. C. B. B. B. B.

# TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909-Continued.

#### CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued.

NEW YORK CITY-Continued.

					ø	EXPENS	cs.		,				
	Capital.			Services.		Mate	erials.		Miscell	aneous.		Value of products.	Value added by manu-
	Capiton	Total.	Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	products.	facture.
52	\$8,383,303	\$9,849,276	<b>\$</b> 636, 364	\$617,449	\$2,914,567	\$131, 276	\$4,217,348	\$286, 222	\$35,096	\$30, 227	<b>\$</b> 980,727	\$10,749,842	\$6,401,218
53 54 55 56	203,758,425 1,266,985 1,908,163 316,174	23, 418, 627 969, 003 3, 047, 752 588, 651	694, 242 70, 152 145, 691 3, 098	$\substack{1,625,698\\25,125\\104,554\\21,671}$	$3, 115, 400 \\ 486, 696 \\ 1, 351, 715 \\ 194, 664$	8,807,500 80,276 41,332 4,024	3,923,776 200,226 1,088,981 286,482	3,000 14,463 98,876 24,648	2,114,504 4,972 3,181	1,865 8,218 32,980	3, 127, 582 87, 093 205, 204 21, 084	$\begin{array}{r} 34,116,558\\ 1,127,865\\ 3,448,106\\ 668,385\end{array}$	21, 380, 282 847, 363 2, 317, 793 377, 879
57 58	284,982 540,369	755,716 2,480,044	3,240 5,000	7,148 7,576	200, 988 34, 271	2,807 7,845	473,210 2,388,078	11,096 17,160	491 1,573	8,114 3,750	48,622 14,791	832,601 2,603,311	356,584 207,388
59 60 61	3, 249, 618 364, 048 2, 687, 949	6,370,772 493,751 6,503,824	36,228 51,312 115,200	193, 634 31, 970 262, 991	1, 050, 412 191, 195 1, 939, 839	17, 267 5, 606 34, 871	4,464,973 148,986 3,695,562	112,362 29,897 170,064	2,664 1,558 1,330	110, 226 14, 114 48, 081	383,006 19,113 235,886	7,817,490 577,560 7,514,924	3, 335, 250 422, 968 3, 784, 491
62 63 64	2,946,677 8,002,571 1,225,116	4, 413, 510 11, 717, 874 2, 195, 775	92, 286 235, 077 33, 733	129, 644 417, 884 79, 625	$\substack{1,083,855\\2,352,768\\341,274}$	83, 755 69, 871 10, 963	2, 533, 255 7, 445, 341 1, 492, 328	37,648 139,294 71,579	11,867 15,142 1,669	$\begin{array}{r} 146,237\\505,134\\6,900\end{array}$	344, 963 537, 363 157, 704	4,765,029 13,565,408 2,534,238	2, 198, 019 6, 050, 196 1, 030, 947
65 66	4,453,500 2,997,809	2, 188, 071 3, 299, 514	153, 433 301, 323	46, 885 272, 463	546, 897 358, 248	619, 456 45, 401	219, 429 1, 804, 347	156,759 35,469	48, 250 14, 384	5,301	391,661 467,879	2,812,567 3,965,174	1,973,682 2,115,426
67 68 69 70 71	602,022 2,419,823 12,253,118 761,047 134,783	585,688 1,830,809 16,181,651 1,103,390 225,758	50,700 125,443 449,042 42,613 12,600	$\begin{array}{r} 69, 695\\ 146, 851\\ 642, 050\\ 32, 769\\ 1, 416\end{array}$	61, 841 677, 775 3, 617, 362 395, 465 46, 855	3, 488 30, 839 106, 658 8, 168 12, 155	279, 497 623, 490 9, 896, 966 524, 226 125, 729	13,770 66,457 350,675 41,721 11,037	3,753 4,044 6,705 406 623	28,944 126,121 2,594	$\begin{array}{r} 102,944\\ 126,966\\ 986,072\\ 55,428\\ 15,343 \end{array}$	$737,335 \\ 1,908,794 \\ 19,236,368 \\ 1,353,473 \\ 245,015 \\ \end{cases}$	454,350 1,254,465 9,232,744 821,079 107,131
72 73 74 75 76	196, 871 945, 381 7, 911, 976 1, 177, 186 87, 005, 927	$\begin{array}{r} 404,227\\ 1,871,934\\ 16,072,273\\ 1,723,051\\ 43,303,435\end{array}$	31, 883 39, 460 899, 361 49, 663 2, 027, 555	20, 815 32, 218 626, 157 38, 859 1, 317, 559	$135,356 \\ 114,369 \\ 8,440,040 \\ 234,573 \\ 4,935,585$	10, 934 11, 696 74, 598 20, 944 1, 083, 139	132,856 1,561,931 9,974,843 1,255,091 11,713,774	23,570 12,297 414,259 28,197 21,240	1,428 7,046 9,571 2,575 9,501,470	26, 512 132, 263 43, 846	47,385 66,405 1,001,181 49,303 12,703,113	$\begin{array}{r} 455,089\\ 1,891,401\\ 17,775,062\\ 1,946,453\\ 53,468,611\end{array}$	$\begin{array}{r} 311,299\\ 317,774\\ 7,725,621\\ 670,418\\ 40,671,608 \end{array}$
77 78 79 80 81	$\begin{array}{c} 1,609,048\\ 17,227,234\\ 10,055,303\\ 2,045,918\\ 19,412,860 \end{array}$	$\begin{array}{r} 2,563,108\\ 22,089,249\\ 10,737,038\\ 3,943,581\\ 43,967,130\end{array}$	124, 439 601, 468 494, 340 90, 364 937, 745	131, 870 550, 593 243, 425 101, 213 2, 240, 181	711, 208 5, 214, 389 3, 784, 529 668, 192 9, 419, 403	18,840 191,870 157,104 27,906 243,491	$1,210,961 \\13,912,529 \\4,899,299 \\2,573,222 \\26,517,208$	$143,769 \\ 331,533 \\ 224,891 \\ 126,203 \\ 1,219,351$	4,049 105,584 74,003 5,039 20,884	24, 658 96, 018 342, 855 150 788, 269	$193,314\\1,085,265\\516,592\\351,292\\2,580,538$	$\begin{array}{r} 2,990,901\\ 24,121,960\\ 12,204,706\\ 4,366,864\\ 51,238,787\end{array}$	1,761,100 10,017,561 7,148,303 1,765,736 24,478,088
82 83	$1,329,347 \\ 1,254,242$	2,396,023 1,620,691	53, 125 87, 883	74, 600 80, 993	501, 880 563, 047	26, 367 26, 030	1,555,551 534,114	64,423 67,207	6,497 1,866	1,600 21,154	111,980 238,397	2,611,915 2,094,564	1,029,997 1,534,420
84	353,640	386,535	12,422	15,896	132, 193	6,376	161,620	25,200	713	6, 495 216, 765	25,620 1,934,687	468,932 25,516,307	300, 936 12, 324, 983
85 86	23,086,302 20,267,253	23, 158, 677 23, 866, 096	899,536 797,037	534,605 1,336,737	5,772,761 1,732,972	144, 050 267, 346	13,047,274 16,545,772	508,334 134,111	100,605 99,213	67,513	2,885,395	26, 664, 174	9,851,056
87 88	6,524,771 12,865,558	8,061,299 19,466,210	406,391 1,427,951	487,662 1,445,279	1,428,046 1,555,720	91, 925 118, 723	4,473,742 9,162,026	$168,324 \\ 431,593$	162,189 58,881	85,259 28,092	757, 761 5, 237, 945	8,833,341 24,984,270	4,267,674 15,703,527
89 90 91	1,853,306 806,616 2,148,310	2,817,336 2,268,987 2,536,954	100, 394 198, 386 45, 068	274,037 158,575 125,275	426, 874 1, 194, 608 727, 255	10, 523 44, 679 20, 162	1,552,351 445,349 1,387,524	39, 193 80, 937 30, 940	4,222 1,428 268	4,089 16,117 1,020	40 <b>5</b> , 653 128, 908 199, 442	3,218,760 2,516,654 3,136,671	1,655,886 2,026,626 1,728,985
92 93 94 95 96	$1,589,459\\123,145,551\\2,861,045\\213,037\\127,676$	$\begin{array}{r} 837,222\\ 160,572,504\\ 3,348,415\\ 307,164\\ 111,982\end{array}$	91,242 9,839,658 168,743 12,860 19,264	24,878 19,034,532 179,793 12,795 4,120	$\begin{array}{r} 350,479\\ 85,097,054\\ 500,136\\ 63,547\\ 33,564\end{array}$	$\begin{array}{r} 76,885\\ 1,519,172\\ 34,031\\ 6,934\\ 1,704\end{array}$	131,24444,993,7252,150,329157,51937,524	$12,044 \\ 3,646,438 \\ 35,359 \\ 2,780 \\ 7,026$	10,534 414,670 10,190 1,068 135	5,500 16,183,145 15,448 271	134,41629,844,710254,38649,6018,374	$\begin{array}{r} 962,301\\ 183,509,157\\ 3,640,615\\ 320,914\\ 135,426\end{array}$	754,172 136,996,260 1,462,255 156,461 96,198
97 98 99 100 101	$10,166,324\\462,620\\13,146,961\\3,794,226\\25,185,485$	$\begin{array}{r} 7,093,423\\ 697,457\\ 15,164,314\\ 3,718,257\\ 92,197,315\\ \end{array}$	$\begin{array}{r} 241,131\\ 45,860\\ 417,426\\ 181,714\\ 375,021 \end{array}$	214, 675 22, 504 636, 159 215, 985 837, 002	2,731,972 205,949 3,564,709 978,100 3,170,882	132, 495 12, 273 132, 401 35, 530 349, 466	2,559,501 361,832 8,357,752 1,829,331 83,484,669	$\begin{array}{r} 90,798\\22,463\\287,731\\66,303\\225,268\end{array}$	51,318 1,302 27,138 9,138 207,896	86,824 928,483 5,700 23,575	984,709 25,274 812,515 396,456 3,523,536	$\begin{array}{r} 8,388,941\\815,852\\16,949,664\\4,198,976\\95,862,422\end{array}$	5,696,945 441,747 8,459,511 2,334,115 12,028,287
102 103 104 105 106	2,694,037 8,912,089 1,157,598 2,707,349 1,053,954	$\begin{array}{r} 8,130,714\\12,154,974\\1,557,063\\1,943,654\\1,842,756\end{array}$	23,200 172,519 88,412 119,812 143,195	86, 122 390, 596 132, 430 45, 768 156, 465	161, 176 839, 799 276, 934 351, 776 771, 243	43, 158 177, 859 12, 005 43, 392 69, 076	7,733,206 8,991,111 757,510 1,153,283 477,906	14,406 115,561 53,870 16,395 87,291	3,270 23,100 1,944 9,079 1,436	2,825 52,306 104 8,342	$\begin{array}{r} 66,176\\ 1,441,604\\ 181,652\\ 204,045\\ 127,802 \end{array}$	$\begin{array}{r} 8,416,863\\ 13,925,009\\ 1,748,071\\ 2,089,817\\ 1,960,829\end{array}$	$\begin{array}{r} 640,499\\ 4,756,039\\ 978,556\\ 893,142\\ 1,413,847\end{array}$
107	3,185,104	2,985,000	143,384	136,469	745,558	82,717	1,521,825	69,873	18,028	3,089	264,057	3,105,564	1,501,022
108 109 110 111	681,968 34,003,410 1,075,191 511,131	928,287 53,344,086 1,454,443 655,646	76,909 1,002,589 62,552 54,516	$\begin{array}{r} 62,125\\ 1,604,246\\ 58,857\\ 30,150\end{array}$	208, 400 10, 306, 518 414, 979 131, 408	11,974 149,535 15,954 9,348	368, 644 25, 280, 817 737, 165 347, 877	43,921 814,084 63,730 30,911	804 7,684,706 849 1,211	4,357 17,443 10,247 50	151,153 6,484,148 90,110 50,175	$\begin{array}{c}1,119.444\\62,488,451\\1,634,072\\748,692\end{array}$	738, 826 37, 058, 099 880, 953 391, 467
112 113 114 115 116	2,250,815 2,218,949 133,440 2,019,876 3,833,320	$\begin{smallmatrix} 1,717,767\\5,693,550\\129,933\\2,176,689\\2,728,331 \end{smallmatrix}$	$124,278 \\103,757 \\5,200 \\43,200 \\133,521$	$\begin{array}{c} 123,325\\144,591\\7,971\\140,492\\94,117\end{array}$	384, 681 898, 774 19, 992 359, 397 429, 051	15,616 37,043 3,060 20,646 95,272	713, 110 4, 075, 813 79, 607 1, 123, 528 1, 659, 710	29,078 147,442 6,120 41,276 6,510	6,860 1,498 493 11,648 17,118	14,575 31,344 31,376	320,819 270,057 7,490 399,158 261,656	1,961,223 6,373,852 130,967 2,437,042 2,902,908	$\begin{array}{c ccccc} 1,232,497\\ 2,260,996\\ 48,300\\ 1,292,868\\ 1,147,926 \end{array}$

# TABLE III,-DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES, AND

CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued.

NEW YORK CITY-Continued.

				PERSONS ENGAGED IN INDUSTRY.								WAGE 1 OR NEA	CARNERS REST RE	-NUMI PRESEN	BER DE	C. 15, DAY,	
	INDUSTRY	Num- ber of estab-		Pro- prie-	Sala- ried offi- cers,	Cler	ks.	(a)	Wage ea verage ni	rners umber).			16 and	l over.	Unde	er 16.	1 - 11-
.		lish- ments	Total.	mm	super- intend- ents,		Te		16 and	over.	Un-	Total.					mary horse. power,
				mem- bers.	and man- agers.	Male.	Fe- male.	Total.	Male.	Fe- male.	der 16.		Male.	Fe- male,	Male.	Fe- male.	
117 118 119 120	Window shades and fixtures. Wirework, including wire rope and cable. Wood, turned and carved Woolen, worsted, and felt goods, and wool hats.	67 67 82 11	761 1,200 1,012 468	72 68 104 13	32 60 19 13	101 73 48 22	34 25 13 1	522 974 828 419	407 896 710 255	115 65 118 163	13 13	536 1,042 810 486	418 959 695 296	70 115 190	13	•••••	724
121	All other industries 1	1,421	38,104	1,461	1,171	3,556	1,194	80,722	23,478	ė, 977	267	31,804	24, 305	7,223	107	169	60,664

<sup>1</sup> All other industries embrace: Artists' materials, 13; awnings, tents, and sails, 84; axle grease, 5; babbitt metal and solder, 20; bags, other than paper, 14; baking powders and yeast, 10; billiard tables and materials, 11; bone, carbon, and lamp black, 1; brick and tile, 3; butter, reworking, 1; candles, 4; card cutting and designing, 21; candage and sleds, children's, 9; cash registers and calculating machines, 3; charcoal, 1; china decorating, 7; chocolate and cocea products, 8; cloth, sponging and refinishing, 22; corting, horse, 7; clothing, men's, buttonholes, S1; cordials and sirups, 22; cort, cutting, 31; dairymen's, poulferers', and aplarists' supplies, 1; dontists' materials, 13; drug grinding, 9; dyestuffs and extracts, 14; emery and other abraive wheels, 3; engraving and diesinking, 72; engraving, wood, 23; fortilizers, 3; firearms and ammunition, 2; fire estinguishers, chemical, 5; fireworks, 4; flavoring extracts, 63; flour-mill and gristmill products, 10; foundry supplies, 1; fuel, manufactured, 1; galvanizing, 8; glucos and smaterials, 31; hat and cap materials, 31; hats, straw, 42; horseshoes, not made in steel works or rolling mills, 2; iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills, 5; iron and steel, doors and shutters, 9; iron and steel forging, 8;

1	All industries	1,203	46, 617	1,042	1,248	8,434	1,785	39, 108	26, 717	11,977	414	41, 865	28, 672	12,756	204	233	39.277
2 3	Baking powders and yeast Boots and shoes, including cut stock and findings.	5 56	14 6,676	6 44	160 160	3 133	$\begin{smallmatrix}&1\\222\end{smallmatrix}$	3 0,117	1 3,401	2 2, 551	165	3 6, 430	1 3, 577	2 2,682		87	7 1,911
4 5 6	Boxes, fancy and paper Boxes, fancy and paper Brass and bronze products	3 15 4	18     700     252	7 10 2	$\overset{23}{12}$		12 6	11 704 225	$9 \\ 176 \\ 214$	2 500 10	$\frac{28}{1}$	11 768 219	9 192 208	2 545 10		28	26 303 301
7 8 9 10 11	Bread and other bakery products Buttons. Carriages and wagons and matorials Clothing, men's, including shirts. Clothing, women's.	$110 \\ 4 \\ 17 \\ 196 \\ 4$	626 1,639 609 8,559 92	120 19 241 1	8 24 12 89 9	51 107 47 395 2	$30 \\ 85 \\ 9 \\ 102 \\ 5$	417 1,423 522 7,732 75	374 694 521 3,673 23	42 692 1 3,990 52	1 37  69 	434 1,595 521 8,222 86	389 778 520 3,904 20	44 775 1 4,247 60	1 8 10	34 61	258 1,126 420 1,007 21
12 13 14	Coffee and spice, reasting and grinding Confectionery Cooperage and wooden goods, not elsewhere specified.	6 16 10	144 697 180	1 13 11	7 20 5	19 42 3	10 4	113 606 157	$70 \\ 224 \\ 150$	37 382	 i	99 623 150	67 230 149	32 393			192 441 314
15 16	Cutlery and tools, not elsewhere specified Electrical machinery, apparatus, and sup- plies.	11 9	125 949	15 1	4 16	4 155	2 61	100 716	100 582	134		106 764	106 621	143	•••••		648 1,283
17 18 19 20 21	Electroplating. Flour-mill and gristmill products Food proparations. Foundry and machine-shop products Fur goods.	7 10 89 7	35 152 44 2,784 109	3 1 4 60 9	$222 \\ 22 \\ 127 \\ 2$	2 12 5 135 2	7 6 97 8	28 110 27 2,365 88	28 110 13 2,346 38	14 17 50	 2	35 123 33 2,756 106	85 123 16 2,733 46	17 19 60	4		59 2,798 42 2,618 30
22 23 24	Furnishing goods, men's. Furniture and refrigerators Gas and electric fluctures and lamps and re- flectors.	6 27 8	335 1,647 643		7 56 20	42 88 19	6 22 11	277 1,485 591	43 1,442 579	229 16 12	5 7	258 1,606 643	40 1,581 630	213 17 13	 8	5	34 1,943 426
25 26	Glass, outting, staining, and ornamonting Hand stamps and stoncils and brands	5 4	49 21	4 5	1	3	22	39 14	39 11	2	····· 1	40 13	40 10	2	i		4
27	Hats and caps, other than felt, straw, and wool.	7	43	8	2	3		30	18	12		39	23	16			8
28 29 30	Ice, manufactured Lasts. Liquors, malt	3 4 8	67 140 495	2 1	3 11 29	11 3 71		53 124 391	53 121 301	3	·····	50 134 392	50 131 392			·····	580 255 1,301
31 32 33	Looking-glass and picture frames. Lumber and timber products. Models and patterns, not including paper patterns.	9 22 9	211 1,098 50	7 10 8	11 39 2	12 52 2	3 16	178 981 38	163 964 33	13 13 4	2 4 1	175 1,028 40	160 1,011 35	13 13 4	2 4 1		107 2,935 29
34	Musical instruments, planos and organs and materials.	4	118	2	8		4	104	103	1		119	118	1	·		168
35	Patent medicines and compounds and druggists' preparations.	32	245	20	23	54	32	: 116	37	79		136	43	93			83
36 37 88	Printing and publishing Slaughtering and meat packing Surgical appliances and artificial limbs	$^{+123}_{-15}$	2,713 50 29	84 20 3	103 	391 5 5	262 2	1,873 25 18	1,455 24 16	397 1 2	21	$1,990 \\ 26 \\ 17$	1,546 25 15	422 1 2	21	1 1	2,241 129 10
39 40 41 42	Tobacco manufactures Typewriters and supplies Wood, turned and carved All other industries <sup>1</sup>	94 8 11 215	325 123 41 13,710	102 2 11 164	7 16 364	7 20 1 1,510	21 	209 64 29 10,950	166 59 29 8,212	41 4 2,672	$\begin{array}{c} 2\\ 1\\ \cdots\\ 66\end{array}$	234 65 ,28 11,748	186 60 28 8,818	46 4 2,864	2 1 	 	15 171 115 14,923

#### ROCHESTER.

<sup>1</sup> All other industries ombrace: Artificial flowers and feathers and plumes, 1; artificial stone, 9; automobiles, including bodies and parts, 4; awnings, tents, and sails, 3; babbitt metal and solder, 1; bags, paper, 1; baskets, and rattan and willow ware, 3; belting and hose, leather, 2; belting and hose, work and rubes, 1; billiard tables and materials, 1; blacking and cleansing and pollshing preparations, 3; bluing, 2; brooms, 1; brushes, 3; canning and preserving, 4; carpets, rag, 2; carringes and sleds, children's, 2; belting and hose, leather, 2; belting and hose, work and rubes, leathers, 2; belting and hose, work and rubes, better and hose, leather, 2; belting and hose, work and rubes, better, 2; belting and hose, work and rubes, better, 2; belting and hose, work and rubes, by steet-railroad companies, 1; brushes, 3; canning and preserving, 4; carpets, rag, 2; carringes and sleds, children's, 2; cortials and sirups, 2; corteds, 1; cars and general shop construction and repairs by street-railroad companies, 1; chemicals, 1; china decorating, 1; cloth, sponging and refinishing, 1; olothing, men's, buttanholes, 5; coffins, burial cases, and undertakers' goods, 2; cooper, tin, and sheet-iron products, 22; cordials and sirups, 2; coracts, 1; canameling and japanning, 2; engraving and diesinking, 2; flavoring, 2; flavoring extracts, 4; gas, illuminating and heating, 1; glass, 1; glot and silver, leaf and foil, 1; prease and tablew, 1; hair work, 2; hats, turfelt, 1; hosiery and infit goods, 1; ink, writing, 1; instruments, professional and scientific, 3; iron and steel forgings, 1; iron and steel, nails and spikes, eut and wrought, including wire nails, not made in steel works or rolling mills, 1; jewelry, 4; jewelry and instrument cases, 1; leather goods, 0; leather, tanned, curried and finished, 1; line, 1; liquers, 2; leather goods, 0; leather, tanned, curried and finished, 1; lime, 1; liquers, 2; leather goods, 0; leather, tanned, cu

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#### TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909-Continued.

#### CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued.

NEW YORK CITY-Continued.

=						EXPENS	BES.						
	Capital.			Services.		Mat	erials.		Miscel	lancous.		Value of	Value added by
		Total.	Officials.	Cierks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	products.	manu- facture.
117 118 • 119 120	\$1,716,974 1,672,000 910,188 1,035,516	\$3,802,578 2,105,599 1,420,955 1,273,918	\$89,656 122,874 37,117 12,596	\$116,678 84,730 66,347 21,079	\$298,557 534,027 493,175 206,611	\$12, 169 24, 538 37, 363 14, 214	\$3,002,724 1,127,020 624,493 948,754	\$60, 291 59, 180 57, 544 13, 037	\$6,282 6,212 215 2,832	\$10,916 1,414	\$216, 221 136, 102 103, 287 54, 795	\$4,125,488 2,358,299 1,707,488 1,511,642	\$1,110,595 1,206,741 1,045,632 548,674
121	159, 734, 370	254, 792, 427	3, 574, 252	4,683,949	17,813,804	3,044,990	205, 432, 826	1,502,216	5,644,677	162,845	12,932,868	272, 193, 534	63, 715, 718

iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills, 3; labels and tags, 23; lapidary work, 42; liquors, distilled,1; liquors, vinous, 3; mait, 2; matches, 1; mats and matting, 3; mineral and soda waters, 252; moving pictures, 7; mucilage and paste, 13; needles, pins, and hooks and eyes, 2; oakum, 1; oil, essential, 1; oil, linseed, 1; oil, not elsewhere specified, 20; oilcioth and linolaum, 2; optical goods, 27; paper and wood pulp, 1; paper patterns, 15; paring materials, 6; pencils, lead, 2; petroleum, refning, 3; phonographs and graphophones, 2; photographic apparatus and materials, 21; pumps, not including steam pumps, 3; roofing materials, 3; rules, ivory and wood, 2; sand and emery paper and cloth, 2; scales and balances, 6; screws, machine, 2; shoddy, 1; signs and advertising novelties, 60; smelting and refining, copper, 1; soda-water apparatus, 26; sporting and athletic goods, 25; springs, steel, car and carriage, 2; statuary and at goods, 50; sugar, refining, not including thetay and refining, 2; wire, 2; wood carpet, 6; wood preserving, 3; wool pulling, 2.

ROCHESTER.		R	0	O	H	Е	S	Т	Е	R.	
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1	\$95,707,791	\$94, 358, 221	\$3, 199, 373	\$4, 534, 279	\$21, 518, 034	\$1, 182, 804	\$49,491,578	\$668, 791	\$911,048	\$2, 411, 591	\$10, 440, 723	\$112,676,215	\$62,001,833
2 3	$\begin{array}{c} 12,424 \\ 6,787,526 \end{array}$	20,933 12,247,981	728 347,154	3,832 308,050	$1,092 \\ 3,038,249$	378 59, 530	$11,069 \\7,751,012$	$710 \\ 89,314$	40 13,800	••••••	3,084 640,872	28,094 13,450,155	16,647 5,639,613
4 5 6	$\begin{array}{r} 14,050\\ 636,145\\ 321,750\end{array}$	$\begin{array}{r} 21,147 \\ 864,212 \\ 520,347 \end{array}$	55,606 31,880	24,070 8,585	5,070 253,233 110,400	398 10,221 11,151	13,857 460,293 337,220	325 24,823 3,271	80 1,930 833		1,417 34,036 17,007	26,738 965,727 569,460	$\begin{array}{c} 12,483\\ 495,213\\ 221,089 \end{array}$
7 8 9 10 11	843,083 1,963,527 1,786,567 10,808,113 66,915	$\substack{1,855,492\\1,475,018\\1,127,663\\17,355,581\\147,380}$	10,484 58,860 46,977 387,462 8,563	48, 236 193, 716 74, 877 774, 689 2, 896	297, 136 538, 220 380, 320 3, 808, 562 29, 720	39,464 24,431 11,395 66,451 1,703	$\substack{\substack{1,319,797\\504,348\\492,768\\8,615,110\\91,256}$	26, 644 14, 886 7, 664 108, 575 3, 072	7,760 7,777 9,700 17,621	170 4,509 2,085,400	105,801 132,780 99,453 1,513,711 10,170	$\begin{array}{r} 2,108,821\\ 1,821,230\\ 1,177,190\\ 18,878,508\\ 153,086\end{array}$	749,560 1,292,451 673,027 10,196,947 60,127
12 13 14	232, 448 880, 145 355, 627	633,960 1,584,247 638,384	16,800 52,386 10,056	$21,269\\49,671\\4,882$	43,360 228,276 81,404	4,824 18,934 5,385	506, 165 996, 6 <b>2</b> 7 516, 409	6,794 20,001 230	516 3,766 1,381		34,232 214,586 18,637	$\begin{array}{r} 672,518\\ 1,926,726\\ 688,710\end{array}$	161,529 911,165 166,916
15 16	240, 316 4, 230, 332	$128,882 \\ 1,690,780$	5, 448 48, 051	2,957 163,998	66,309 479,823	6,166 21,780	28,680 789,660	$2,172 \\ 4,010$	1,976 9,516	3, 195	11,979 173,942	161,862 1,677,096	127,016 865,656
17 18 19 20 21	$\begin{array}{r} 23,706 \\ 1,053,527 \\ 75,359 \\ 6,093,437 \\ 177,148 \end{array}$	31,956 3,278,747 104,966 4,698,391 205,031	2, 236 40, 872 2, 207 273, 541 2, 540	864 13,720 6,340 162,284 6,416	20,721 74,711 13,034 1,619,254 51,281	1,251 15,588 1,872 95,198 1,633	3,019 3,050,306 65,885 1,871,462 110,165	2,748 440 3,284 46,938 14,050	25 7,406 5 23,268 113	500 18,889 150	1,092 75,204 12,339 587,557 18,683	36,790 3,381,376 116,272 5,743,964 406,406	32,520 315,482 48,515 3,777,304 204,603
22 23 24	298, 110 2, 806, 025 1, 174, 508	727,521 2,777,209 1,067,976	13,760 135,250 49,650	48, 897 140, 299 25, 935	88,698 915,316 269,356	1, 401 38, 167 10, 527	$\substack{492,627\\ 1,172,041\\547,432}$	6,880 30,912 9,909	58 17,388 4,535	20,000 7,075	55,200 320,851 150,542	784, 459 3, 086, 855 1, 106, 024	290,431 1,876,647 548,065
$\frac{25}{26}$	42, 412 19, 531	89,569 25,750	1,092	4,576 780	26,907 6,994	107 124	50,235 14,577	$2,212 \\ 1,389$			4,440 1,886	104,056 35,781	$53,714 \\ 21,080$
27	17,436	66, 896	2,600	1,322	13, 534	432	35,340	1,540	35	13	12,080	82,100	46,328
28 29 30	259, 255 211, 709 4, 823, 929	107,509 241,268 2,202,659	2,600 19,652 78,875	7,088 2,916 79,775	39,602 83,217 308,902	16,373 3,655 67,538	11,847 90,307 664,158	4,704 3,000	1,308 139 495,687		28, 691 36, 678 504, 724	137,303 273,307 3,011,529	109,083 179,345 2,279,833
81 82 33	328, 176 2, 302, 044 26, 718	259, 289 2, 278, 858 45, 591	16,130 78,793 1,440	$14,703 \\ 51,310 \\ 2,100$	105,983 510,976 26,837	4,274 25,066 881	90, 442 1, 460, 372 8, 373	7,046 11,978 2,350	971 10,320 225	150	19,740 130,043 3,235	280,935 2,454,922 64,257	186,219969,48455,003
34	241, 476	220, 526	11,386	1, 812	62,605	3,289	116, 817	4,815	1,577		18,225	234, 194	114,088
85	618, 817	748,382	41,884	85, 246	48,131	3,003	321,350	15,386	1,593	1,872	229,917	830, 762	506, 409
36 37 38	4,979,680 104,695 60,664	$\begin{array}{r} 4,453,441\\ 134,744\\ . 37,464\end{array}$	277,707 1,300	449, 690 4, 146 4, 029	$\begin{array}{c c}1,171,747\\14,119\\9,803\end{array}$	45,770 3,061 420	1,583,198 109,018 10,013	77,723 1,076 1,378	12,945 1,049 329	256,792	577,869 2,275 10,192	5,127,910 158,001 48,839	3, 498, 942 45, 922 38, 406
39 40 41 42	385,070 549,855 41,090 39,814,446	$\begin{array}{r} 432,031\\ 453,168\\ 50,742\\ 29,306,440\end{array}$	11,680 33,504 1,020,219	5,957 36,660 884 1,694,802	108,136 42,208 19,386 6,505,402	1,215 3,953 2,914 552,881	188, 045 198, 406 22, 299 14, 769, 573	6,851 4,430 3,230 93,941	59, 576 2, 051 50 193, 699	951 1,000 30,925	49,620 130,956 1,979 4,444,998	512,269 590,847 66,059 39,695,077	323, 009 388, 488 40, 846 24, 372, 623

vinous, 1; malt, 1; marble and stone work, 4; mattresses and spring beds, 4; mineral and soda waters, 11; mirrors, 1; moving pictures, 1; mucilage and paste, 2; musical instruments and materials, not specified, 1; needles, pins, and hooks and eyes, 2; oils, not elsewhere specified, 1; optical goods, 5; paper goods, not elsewhere specified, 2; petroleum, refining, 1; photographic apparatus and materials, 10; photo-engraving, 2; pipes, tobacco, 3; pottery, terra-cotta, and fire-clay products, 1; pumps, not including goods, not elsewhere specified, 2; and the set of the set of

# TABLE III .- DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES, AND SCHENECTADY.

					PERSC	NS ENG	AGED	IN INDU	STRY.			WAGE 1 OR NEA	EARNER: REST RE	S—NUMI PRESEN	BER DE TATIVE	C. 15, DAY,	
	INDUSTRY.	Num- ber of estab-		Pro- prie-	Sala- ried offi- cers,	Cler	ks.	(8	Wage es verage n	rners umber).			16 and	l over,	Unde	er 16.	Pri-
		lish- ments	Total	tors and firm mem- bers.	super- intend- ents, and man- agers,	Male,	Fe- male.	Total.	16 and Male.	over, Fe- male.	Un- der 16.	Total.	Male,	Fe- male.	Male.	·	mary horse- power,
1	All industries	134	17,728	120	618	1,576	483	14, 931	13, 159	1,737	35	17, 429	15, 353	2,036		 10	49, 181
2 3 4 5 6 7	Bread and other bakery products Lumber and timber products Marble and stone work Printing and publishing Tobacco manufactures All other industries <sup>1</sup>	5	145 101 72 339 83 16,988	33 3 8 29 44	7 4 20 587	8 7 76 1 1,479	2 16 403	$102 \\ 84 \\ 58 \\ 219 \\ 53 \\ 14,415$	90 84 58 176 51 12,700	11 40 1,686	1  3 2 29	103 91 - 68 241 54 16,872	91 91 68 194 52 14,857	11  44 		·····	39 394 108 299 •

<sup>1</sup>All other industries embrace: Boxes, fancy and paper, 2; brooms, 3; carriages and wagons and materials, 4; cars and general shop construction and repairs by street-railroad companies, 1; clothing, men's, including shirts, 1; clothing, women's, 1; confectionery, 7; copper, tin, and sheet-iron products, 2; electrical machinery, apparatus, and supplies, 3; flour-mill and gristmill products, 2; foundry and machine-shop products, 2; furnishing goods, men's, 1; gas, illuminating and heating, 1; hand mackine; 1; hand

SYRACUSE.

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· 1	All industries	738	21,710	655	668	1,540	699	18, 148	14, 565	3,373	210	19, 932	16, 019	3, 679	110	124	20,796
2 3 4 5 6	Boxes, fancy and paper Brass and bronze products Bread and other bakery products Candles Carriages and wagons and materials	13	174 236 554 317 272	3 9 88 2 17	3 14 11 13	1 2 31 17 9	3 8 23 10 1	164 203 401 275 245	$\begin{array}{r} 31 \\ 201 \\ 326 \\ 140 \\ 241 \end{array}$	$     \begin{array}{r}       106 \\       2 \\       69 \\       105 \\       4     \end{array} $	27 6 30 	210 201 429 312 225	40 199 349 159 221	$136 \\ 2 \\ 74 \\ 119 \\ 4$	2 3 16 	32  3 18	53 164 267 107 293
7 8 9 10	Clothing, men's, including shirts Clothing, women's Confectionery Cooperage and wooden goods, not elsewhere specified.	8 7 7	1,921 311 207 44	74 6 7 9	24 7 8	145 7 9	48 6 11	1,030 285 172 35	603 38 60 35	944 242 105	23 5 1	1,736 303 201 36	706 41 77 36	$1,005 \\ 257 \\ 123 \\ \dots$	5 3 	20 2 1	161 50 177 35
11	Copper, tin, and sheet-iron products	9	380	5	13	18	5	339	320	19		271	256	. 15			298
12 13 14 15 16	Electroplating. Food preparations. Foundry and machine-shop products. Furniture and refrigerators. Gloves and mittens, leather	5 11 72 17 4	49 225 3,093 412 50	$     \begin{array}{r}       4 \\       12 \\       48 \\       14 \\       5     \end{array} $	$2 \\ 11 \\ 110 \\ 22 \\ 1$	$2\\ 34\\ 130\\ 5$	1 11 77 5 2	$40 \\ 157 \\ 2,728 \\ 360 \\ 42$	30 94 2,507 352 21	$1 \\ 58 \\ 112 \\ 12 \\ 21$	5 19 2	40 171 3,155 408 44	39 102 3,003 393 22	$1 \\ 63 \\ 130 \\ 13 \\ 22$	$\begin{array}{c} & 1 \\ & 22 \\ & 2 \\ & 2 \end{array}$	5	39 320 3,594 500 7
17 18 19 20 21	Hosiery and knit goods Jewelry Liquors, malt. Lumber and timber products Models and patterns, not including paper patterns.	5 9 8 18 6	421 19 343 359 40	7 10 5 12 5	8 23 14 4	13 39 11 1	10 	383 9 271 316 28	55 9 270 309 28	309 1 4	19  8 	408 11 260 313 34	59 11 259 306 34	329 1 4	3	17	330 4 1,783 1,059 38
22 23 24 25 26	Patent medicines and compounds and druggists' preparations. Printing and publishing	24 84 7 80 183	308 1,110 107 571 10,187	14 73 4 89 133	17 34 12 8 309	50 195 1 17 803	87 85 290	140 723 90 454 8,652	50 558 90 331 7, 692	81 153 108 917	12 15 43	137 762 120 489 9,656	588 120 357 8,584	79 162 116 1,024	11 5 34	1  11 14	239 821 274 58 10,125

<sup>1</sup> All other industries embrace: Agricultural implements, 2; artificial stone, 8; automobiles, including bodies and parts, 4; awnings, tents, and sails, 3; babbitt metal and solder, 1; baking powders and yeast, 3; baskets, and rattan and willow ware, 3; belting and hose, leather, 1; billiard tables and materials, 2; boots and sheabilit metal ing cut stock and findings, 3; boxes, eigar, 1; brick and tile, 1; brooms, 2; brushes, 1; butter, cheese, and condensed milk, 1; buttons, 1; canning and preserving, 3; car-bets, rag, 3; cars and general shop construction and repairs by steam-railroad companies, 2; cars and general shop construction and repairs by street, railroad companies, 2; chemicals, 2; clocks and watches, including cases and materials, 1; coffee and spice, roasting and grinding, 3; coilins, burial cases, and undertakers' goods, 2; cuttery and tools, not elsewhare specified, 4; dairymen's, poulterers', and apiarists' supplies, 1; electrical machinery, apparatus, and supplies, 5; enameling and japaning, 1; engra-ting, wood, 1; firearms and ammunition, 1; flags, banners, regala, society badges, and comblems, 1; flavoring extracts, 2; flour-nil and gristmill products, 2; hur goods, 2; durinshing goods, men's, 2; gas and electric fixtures and lamps and reflectors, 1; gas, illuminating the heating, 2; grease and tallow, 2; hair work, 1; hand stamps and stencils and brands, 2; hats, fur-feit, 3; ice, manufactured, 1; instruments, professional and scientific, 2; iron and steel, steel works and rolling mills, 2; iron and steel,

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1	All industries	363	22, 149	352	496	935	346	20, 020	8, 763	11, 187	70	21, 888	9, 416	12, 397	42	33	18,887
2 3 4 5 6	Boxes, fancy and paper Bread and other bakery products Brick and tile Brushes Carriages and wagons and materials		373 238 · 88 622 41	10 33 4 13 5	9 6 3 15 3	1 19 1 20	5 9 10	348 171 80 564 33	212 158 77 530 33	131 10 	5 3 1	349 170 70 588 34	212 157 67 559 34	132 10 28	6	2 	255 82 315 380 35
7 8 9 10	Clothing, men's, including shirts Confectionery Copper, tin, and sheet-iron products Foundry and machine-shop products	11 6 10 28	3,741 40 88 1,028	10 6 9 28	66 3 4 54	113 0 5 43	71 1 2 20	3, 475 24 68 883	1,021 15 08 878	2,419 9 5	35	3,391 24 73 970	996 15 73 965	2,360 9 5	11 	24 	1,136 25 25 1,446
11 12 13 14	Furnishing goods, men's Leather goods Liquors, malt. Marble and stone work	<u>۸</u>	10, 370 66 434 49	16 6 13	89 4 40 1	329 7 57 2	$     \begin{array}{c}       160 \\       1 \\       2 \\       1 \\       1     \end{array} $	9,776 48 329 32	1,900 40 329 . 32	7,870		11,277 54 . 349 30	2,195 45 349 30	9,078 9	4	  	2,419 13 1,382 90
15 16 17 18	Pottery, terra-cotta, and fire-clay products. Printing and publishing Tobacco manufactures All other industries <sup>1</sup>	3 33 37 118	141 539 361 3,930	26 51 110	10 81 5 153	15 145 23 149	2 25 1 36	114 312 281 3, 482	114 305 264 2,775	5 17 686	2 21	122 320 293 3,774	122 313 275 3,009	5 18 743	2 15	  7	240 439 10,605

<sup>1</sup> All other industries embrace: Awnings, tents, and sails, 6; bags, other than paper, 1; belting and hose, leather, 2; bluing, 2; boxes, oigar, 1; brass and bronze products, 2; canning and preserving, 1; clothing, men's, buttonholes, 9; clothing, women's, 1; coffee and spice, roasting and grinding, 2; cordage and twine and jute and dimer goods, 1; dyestuffs and extracts, 1; electrical machinery, apparatus, and supplies, 2; electropiating, 2; engraving, wood, 1; files, 1; flour-mill and gristmill products, 2; food prepar-tions, 2; fur goods, 3; furniture and refrigerators, 1; gas, filuminating and heating, 1; grease and tallow, 1; hair work, 2; hand stamps and stand is and brand's, hats and caps, other than felt, straw, and wool, 1; hats, fur-felt, 1; hoslery and knit goods, 4; instruments, professional and scientific, 3; iron and steel, steel works and rolling

# TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909-Continued.

#### CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued.

SCHENECTADY.

				1.		EXPENS	ES.						
	Capital.			Services.		<sup>®</sup> Mat	erials.		Miscel	aneous.		Value of products.	Value added by manu-
	Capitan	Total.	Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	products.	facture.
1	\$51, 815, 808	\$37, 402, 739	\$1,305,319	\$1, 780, 783	\$10,001,932	\$956, 909	\$20, 995, 411	\$44, 498	\$181,037	<b>\$</b> 9, 875	\$2, 126, 975	\$38, 164, 699	\$16, 212, 379
2 3 4 5 6 7	143,675213,082129,159502,66142,50750,784,724	352, 589 307, 530 100, 844 496, 590 85, 529 36, 059, 657	11,800 7,550 26,454 1,259,515	6,044 6,505 2,466 50,331 800 1,714,637	69,088 52,203 27,636 144,578 26,103 9,682,324	8,475 2,110 2,032 10,174 680 933,438	254, 314 215, 958 55, 118 162, 673 40, 552 20, 266, 796	5,025 2,040 1,250 11,376 2,136 22,671	$1,252 \\ 1,305 \\ 845 \\ 825 \\ 9,357 \\ 167,453$	1, 475 8, 400	$\begin{array}{r} 8,391\\ 15,609\\ 3,947\\ 88,704\\ 5,901\\ 2,004,423\end{array}$	403, 404 315, 950 119, 677 550, 406 100, 821 36, 674, 441	140, 615 97, 882 62, 527 377, 559 59, 589 15, 474, 207

stamps and stencils and brands, 1; hosiery and knit goods, 1; liquors, malt, 1; locomotives, not made by railroad companies, 1; mattresses and spring beds, 1; mineral and soda waters, 8; paint and varnish, 2; patent medicines and compounds and druggists' preparations, 4; pottery, terra-cotta, and fire-clay products, 1; slaughtering and meat packing, 4; shoddy, 1; soap, 1; sporting and athletic goods, 1; vinegar and cider, 1; wall plaster, 1.

#### SYRACUSE.

1	\$51, 725, 850	\$41, 304, 017	\$1, 523, 033	\$1,790,225	\$10, 421, 716	\$858, 565	\$20, 917, 031	\$280, 370	\$703, 457	\$349, 189	\$4, 460, 431	\$49, 434, 615	\$27, 659, 0 <b>19</b>
2 3 4 5 8	121, 812 522, 168 957, 805 925, 197 563, 598	147, 992 661, 621 1, 486, 120 939, 911 501, 421	4,320 86,120 21,095 35,070	1,996 6,332 41,050 21,862 17,566	48, 561 130, 823 240, 263 103, 968 169, 820	2,310 17,827 27,751 11,684 6,664	84, 613 369, 294 1, 044, 519 675, 817 261, 600	1, 440 8, 836 27, 392 780 2, 826	$1,319 \\ 664 \\ 4,675 \\ 3,180 \\ 2,657$	· · · · · · · · · · · · · · · · · · ·	3,433 41,725 78,769 87,550 40,288	163, 525683, 2311, 831, 6981, 092, 385592, 763	$\begin{array}{r} 76,602\\ 296,110\\ 759,428\\ 404,884\\ 324,499 \end{array}$
7 8 9 10 11	$2,009,777 \\162,216 \\208,711 \\67,011 \\926,133$	3,062,573 381,920 446,277 74,285 1,030,187	39,255 7,710 11,256 35,290	170,704 6,974 15,118 19,710	693,609 110,388 63,118 20,619 202,595	11, 683 3, 691 8, 273 476 8, 628	$1,705,865 \\218,416 \\320,234 \\50,841 \\672,452$	31, 513 6, 570 9, 184 340 744	1, 414 429 831 238 3, 729	244, 439 2, 086	164,091 25,656 18,263 1,771 87,039	$3,460,803\\416,447\\498,366\\95,434\\1,091,367$	1, 743, 255 194, 340 169, 859 44, 117 410, 287
12 13 14 15 16	25, 432 594, 099 5, 874, 103 609, 238 44, 173	37, 411 845, 262 4, 778, 654 580, 658 57, 395	2,080 26,328 253,581 30,513 2,000	1,575 49,923 172,985 10,384 780	22, 865 70, 028 1, 518, 229 196, 877 13, 750	799 8,332 167,583 8,642 454	6, 798 606, 817 2, 108, 531 277, 143 37, 057	2, 353 1, 818 36, 448 4, 105 720	62 2, 985 28, 421 2, 606 139	84 16, 546 300	879 78, 947 476, 330 50, 388 2, 195	46, 933 1, 104, 798 5, 691, 526 662, 236 66, 677	39, 336 489, 649 3, 415, 412 376, 451 29, 166
17 18 19 20 21	949, 976 19, 175 3, 940, 300 686, 634 31, 405	799, 625 19, 702 1, 978, 738 910, 688 34, 525	22,367 83,120 21,840 3,900	10, 593 49, 891 14, 590 565	130, 594 7, 067 252, 808 183, 413 19, 773	8, 543 203 60, 362 12, 532 1, 027	577, 014 9, 935 619, 284 636, 474 6, 564	125 1, 614 6, 842 1, 417	4, 684 40 411, 693 3, 851 32	27,000 1,785	17, 805 843 501, 580 29, 361 1, 247	908, 713 40, 518 2, 459, 703 1, 003, 304 44, 873	382, 256 30, 380 1, 780, 057 354, 298 37, 282
22	573, 367	733, 262	31,615	91, 452	63,755	4, 558	234, 558	11,855	1,553	11,468	282, 448	849, 879	610, 763
23 24 25 26	1,869,570 374,624 554,514 29,025,812	$1,500,459\\89,388\\824,672\\19,315,271$	57, 486 7, 540 16, 610 723, 937	193, 805 300 14, 896 876, 568	444, 400 41, 830 247, 231 5, 425, 332	26, 804 3, 816 3, 245 452, 678	584, 063 9, 297 400, 120 9, 398, 825	34,377 9,316 79,755	8,530 6,562 83,575 129,588	41,283 1,000 3,198	175, 711 19, 043 49, 679 2, 225, 390	2,032,013 88,547 941,302 23,507,574	1, 421, 146 75, 434 537, 937 13, 656, 071

bolts, nuts, washers, and rivets, not made in steel works or rolling mills, 1; iron and steel forgings, 2; lead, bar, pipe, and sheet, 1; leather goods, 5; looking-glass and pioture frames, 1; mail, 1; marble and stone work, 10; mattresses and spring beds, 3; millinery and lace goods, 1; mineral and soda waters, 5; mirrors, 1; mucilage and paste, 1; musical instruments and materials, not specified, 2; musical instruments, pianos and organs and materials, 1; oil, not elsewhere specified, 2; optical goods, 2; mineral and soda waters, 5; mirrors, 1; mucilage and paste, 1; musical instruments and materials, 1; photo-engraving, 3; pipes, tobacco, 1; pottery, terra-otita, and fire-clay products, 3; pumps, not including steam pumps, 8; rubber goods, not elsewhere specified, 1; safes and vaults, 2; show cases, 1; silverware and plated ware, 1; slaughtering and meat packing, 4; soap, 2; sporting and athietic goods, 1; stationery goods, not elsewhere specified, 2; statuary and art goods, 2; steam packing, 1; statevity ing and electrotyping, 2; stoves and furnaces, including gas and oil stoves, 3; sulphuric, nitric, and mixed acids, 1; typewriters and supplies, 4; umbrollas and canes, 1; vinegar and cider, 1; wall plaster, 3; washing machines and clothes wringers, 2; window shades and fixtures, 2; wirework, including wire rope and cable, 2.

TROY.

1	\$39, 309, 202	\$32,090,155	\$1, 129, 098	\$1,066,555	\$9, 406, 734	\$641,741	\$14, 984, 633	\$175, 118	\$560,722	\$1, 166, 573	\$2,958,983	\$37, 979, 986	\$22, 353, 612
2 3 4 5 6	241, 324 325, 778 143, 082 654, 667 79, 320	389, 194 647, 912 65, 375 749, 675 53, 286	15,785 9,784 3,400 32,150 2,544	2,242 15,400 416 36,948	154, 943 115, 787 40, 727 273, 523 26, 454	4,080 14,109 9,937 10,039 1,492	175, 090 464, 794 2, 523 334, 480 20, 294	7,928 8,173 4,268	444 3,359 1,287 2,331 955	1,949	28,682 16,446 7,085 53,981 1,547	434, 429 724, 333 90, 162 959, 266 63, 435	255, 259 245, 370 77, 702 614, 747 41, 649
7 8 9 10	6,004,199 37,619 121,195 2,889,460	6,051,165 59,977 98,734 1,613,004	120, 397 2, 340 5, 680 110, 997	173, 444 4, 472 2, 700 58, 874	1, 431, 804 9, 665 34, 136 596, 525	50,395 1,341 1,029 41,558	3,286,161 35,195 49,047 668,435	29,951 2,380 1,473 12,591	8,606 113 930 9,857	553, 339 1, 612	396,978 4,405 3,739 112,555	$6,976,241 \\ 67,354 \\ 127,581 \\ 1,952,971$	3, 639, 685 30, 818 77, 505 1, 242, 978
11 12 13 14	11, 948, 258 120, 687 3, 796, 606 87, 247	11,364,127 91,408 1,964,922 73,542	300, 658 3, 049 120, 327 785	405,572 3,560 67,184 1,580	$\begin{array}{r} 4,049,046\\18,220\\242,729\\35,574\end{array}$	80, 726 691 49, 599 3, 071	4,099,541 57,856 599,727 26,928	34,737 1,270 705	32, 125 725 397, 923 478	590, 659	1, 171, 063 6, 031 487, 433 3, 761	13, 638, 745 111, 774 2, 405, 847 88, 422	8,858,478 53,227 1,756,521 57,823
15 16 17 18	258, 438 1,005, 763 285, 865 11, 249, 694	229, 503	15, 196 63, 726 5, 252 317, 022	16, 465 104, 984 18, 967 153, 741	52,230 203,559 105,517 1,956,289	$18,289 \\ 11,880 \\ 1,073 \\ 341,772$	83, 542 236, 508 244, 112 4, 000, 405	18,384 7,238 45,952	2,203 1,637 35,279 62,380	17, 470 1, 544	41, 572 106, 798 25, 556 491, 291	241, 455 969, 212 579, 298 8, 549, 461	139,624 720,829 334,113 4,207,284

mills, 2; iron and steel forgings, 1; looking-glass and picture frames, 1; lumber and timber products, 2; mats and matting, 1; mattresses and spring beds, 3; millinery and lace goods, 2; mineral and soda waters, 7; models and vatterns, not including paper patterns, 3; mucilage and paste, 1; oil, not elsewhere specified, 1; vilcloth and linoleum, 1; optical goods, 1; paint and varish, 3; paper and wood pulp, 3; patent medicines and compounds and druggists' preparations, 8; photo-engraving, 2; scales and balances, 2; slaughtering and meat packing, 4; springs, steel, car and carriage, 1; stereotyping and electrotyping, 1; stores and furnaces, including gas and oil stores, 3; umbrellas and canes, 1; vault lights and ventilators, 1; wirework, including wire rope and cable, 3; wood, turned and carved, 1.

# TABLE III.-DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES, AND

## CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued,

UTICA.

					PERS	)NS ENG	AGED	IN INDUS	STRY,			WAGE I OR NEA	earners Rest re	NUMI PRESEN	BER DE TATIVE	C. 15, DAY.	
	INDUSTRY AND CITY.	Num- ber of estab-		Pro- prie-	Sala- ried offi- cers.	Clei	ks.	(a	Wage ca verage m	rners umber).			16 and	over.	Und	er 16,	Pri-
		lish- ments	Total.	tors and firm mem- bers.	super- intend- ents, and	Male.	Fe- male.	Total.	16 anđ	over. Fe-	Un- der 16.	Total.	Male.	Fe- male.	Male.	Fe-	mary horse- power.
					man- agers.				Male.	male.	10.			mane,		male.	
1 2 8 4 5 6 7 8 9 10 11 12 13	All industries Bread and other bakery products Carriages and wagons and materials Clothing, men's, including shirts Foundry and machine-shop products Gas and electric fixtures and lamps and reflectors. Hosiery and knit goods Liquors, mait Marble and stone work. Printing and publishing Slaughtoring and mest packing Tobacco manufactures. All other industries 1	21 3 15 5 9	$14,634 \\ 225 \\ 50 \\ 1,634 \\ 1,030 \\ 101 \\ 4,094 \\ 232 \\ 66 \\ 485 \\ 23 \\ 220 \\ 5,850 \\ 101 \\ 10$	276 49 10 32 13  4  26 3 50 78	354 4 1 31 34 6 40 15 2 34 1 2 184	636 18 145 29 3 52 45 1 105 2 15	215 19 1 34 22 3 35 1 25 3 1	$13, 153 \\ 135 \\ 47 \\ 1, 392 \\ 932 \\ 89 \\ 4, 503 \\ 172 \\ 51 \\ 295 \\ 14 \\ 161 \\$	7,716 115 47 701 929 79 1,456 172 50 260 14 137	5,200 18 	237 2 24 1  146  7 4	13, 851 149 46 1, 529 947 89 4, 749 164 42 292 15 175	8,117 127 46 837 944 79 1,517 164 41 203 15 149	5,488 20 0 0 0 10 3,080 1 22 22	96 2  13 1  35  7	150  13  117 	21, 874 58 70 475 1, 231 105 3, 025 794 250 533 55

<sup>1</sup> All other industries embrace: Agricultural implements, 1; artificial stone, 2; automobiles, including hodies and parts, 4; awnings, tents, and sails, 2; baking powders and yeast, 1; belting and hose, leather, 1; boots and shoes, including out stock and findings, 2; boxes, eiger, 2; boxes, fancy and paper, 3; brass and bronze products, 5; brick and tile, 1; brushes, 1; carpets, rag, 1; cars and general shop construction and repairs by steam-railroad companies, 2; loth, sponging and refinishing, 1; obting women's, 1; coolins, burial cases, and undertakers' goods, 1; confectionery, 5; cooperage and wooden goods, not elsewhere specified, 1; coppor, tin, and sheetion products, 1; cordage and twine and jlute and linen goods, 1; cordials and sirups, 1; cotton goods, including cotto small wares, 3; cultury and toes, not elsewhere specified, 1; coppor, tin, and sheetion products, men's, poulterers', and aplarists' supplies, 2; dyeing and finishing textiles, 2; electrical machinery, apparatus, and supplies, 3; electroplating, 1; emery and other abrasive wheels, 1; engraving and diesinking, 1; fancy articles, not elsewhere specified, 1; fire extinguishers, chemical, 1; flags, banners, regalla, society badges, and emblems, 2;

#### YONKERS.

		·····															
1	All industries	158	13,746	150	174	569	142	12,711	8,304	4,364	43	13, 518	8, 914	4, 559	19	26	10 000
2	Bread and other bakery products.	28	178	29	.2	1	21	125	125			129	· ·				16,978
4	Copper, tin, and sheet iron products Foundry and machine-shop products	10	$52 \\ 1,559$	17	17	149	38	34 1,340	34 1,257			38 1,688	38 1,577		1		3
5	Marble and stone work	7	44	7	3	Ť		33	20			37	37	111		•••••	1,952
6	Patent medicines and compounds and druggists' preparations,	4	137	4	13	31	8	81	36	45		84	37	17			66
7	Printing and publishing	18	160	14	6	31	6	103	92	8	3	104	93	8	2	1	01
ş	Tobacco manufactures All other industries <sup>1</sup>	17 61	$32 \\ 11,584$	19 51	183			$13 \\ 10.976$	$12 \\ 6,715$	$1 \\ 4.221$	····.40	$17 \\ 11,421$	16	1			
			,201	- v	-00		00	10,010	0,110	-1, 221	30	11,421	6,987	4,392	1 17	25	14,803

<sup>1</sup> All other industries embrace: Artificial stone, 1; awnings, tents, and sails, 2; blacking and cleansing and polishing preparations, 1; brass and bronze products, 1; brooms, 1; canning and preserving, 2; carpots and rugs, other than rag, 1; carriages and wagons and materials, 5; clothing, men's, including shirts, 1; confectionery, 1; cooperage and wooden goods, not elsewhere specified, 1; electrical machinery, apparatus, and supplies, 2; cloctroplating, 1; fancy articles, not elsewhere specified, 1; electrical machinery, apparatus, and supplies, 2; cloctroplating, 1; fancy articles, not elsewhere specified, 1; filters, 1; food preparations, 3; furnishing goods, men's, 2; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 1; hats, fur-feit, 1; house-furnishing

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

						<u>.</u>										
1	AMSTERDAM	97	10,776	103	140	1.057	60	10.004								1
$\hat{2}$	AUBURN.	140	7,484	130	313	187 387	$62 \\ 157$	$10,284 \\ 6,497$	5,553	4,587	144	10,523	5,680	4,689	63 91	11,745
3	BATAVIA	- 59	2,346	51	57	169	62	2,007	4,899	1,520	78 14	7,304	5,500	1,711	34 50	15,455
4	BINGHAMTON	266	7.997	239	260	411	264	6,823	3,923	2,859	41	2,181	1,858	308	15	3,204
5	COHOES	103	8.596	84	143	120	34	8,209	3, 883		205	7,291	4,192	3,058	12 29	7,742
6	CORNING.	45	2,289	48	48	71	48	2,074	1.821	4,121		8,729	4,127	4,385	159 58	14,291
7	CORTLAND	51	2,622	46	78	08	40	2,074	2,070	240	4	2,217 2,470	1,947 2,170	265 299	5	1,486
8	DUNKIRK	57	3,301	43	105	321	76	2,350	2, 547	183	26	2,470	2, 553	183	13 13	5, 194
- 9	ELMIRA	154	4,425	136	191	336	115	3,647	2,790	835	22	3,805	2,912	869	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6,672
10	FULTON.	45	3,014	34	75	62	44	2,799	1,839	932	28	2,950	1.937	984	15 14	17.963
11	GENEVA	56	1,824	42	78	116	64	1,526	1,193	319	14	1,768	1,383	369	1 15	2,705
12	GLENS FALLS	68	3,048	69	74	66	ŎŜ	2,774	1,326	1,445	3	3.145	1,504	1.637	$\hat{2}$ $\hat{2}$	6,772
13	GLOVERSVILLE	187	6,604	221	138	338	166	5.741	3, 571	2,095	75	6,235	3,876	2,276	48 35	6,163
$\frac{14}{15}$	HORNELL	45	2,459	40	75	130	31	2,183	1,094	482	7	2,325	1,805	513	48 35 7	3,349
16	HUDSON	45	1,451	37	30	62	20	1,302	806	470	26	1,349	835	487	14 13	1,515
17	ITHACA.	81	1,105	72	40	77	43	873	772	98	3	886	784	99*	1 2	3,045
18	JAMESTOWN JOHNSTOWN	156	7,753	142	217	465	140	6,789	5,513	1,181	95	7,747	6,286	1,351	63 47	11,679
19	KINGSTON	138	3,009	198	91	65	66	2,589	1,719	821	49	2,772	1,840	878	33 21	3, 410
20	LITTLE FALLS	99 55	3,845	93	121	237	113	8,281	1,896	1,270	115	3,687	2,132	1,427	63 65	4,648
$\tilde{21}$	LOCKFORT	109	4,408	58 90	48	75	16	4,211	2,493	1,693	25	4,406	2,607	1,771	10 18	7,742
$\bar{2}\bar{2}$	MIDDLETOWN	59	1,970	62	130 55	148 94	68 26	2,138	1,740	394	4	2,302	1,874	423	5	2,548
23	MOUNT VERNON	90	1,492	76	50	94 94	65	1,733	1,269	459	5	1,805 1,374	1,321 1,121	479 249	$\begin{array}{c c} 3 & 2 \\ 3 & 1 \end{array}$	1,590
24	INEW ROCHELLE.	42	882	39	34	34	40	1,207	625	218 95	· 4 15	1,374	687	104	9 7	1,000
25	NEWBURGH	104	4,966	96	128	281	117	4,344	2,845	1,482	17	4,425	2,898	1,510	10 7	4,902
26	NIAGARA FALLS.	156	7,214	117	227	572	209	6,089	5,212	853	24	6,736	5,768	942	9 17	95,792
27	NORTH TONAWANDA.	81	3,146	56	101	128	37	2,824	2,423	373	28	3,151	2,705	416	22 8	15,888
28	OGDENSBURG	75	1,463	61	52	69	22	1,259	811	405	43	1,440	928	463	14 35	3,404
29 30	OLEAN.	54	2,671	42	109	203	58	2,259	2,092	135	32	2,380	2,202	144	16 18	5,202
31	OSSINING OSWEGO	34	477	24	23	58	16	356	262	92	2	403	297	104	2	986
32	PEEKSKILL	81	4,247	58	113	207	52	3,817	2,649	1,141	27	4,316	2,993	1,291	8 24	9,753
33	PLATTSBURG	52 41	2,384	46	70	180	33	2,055	1,591	456	8	2,219	1,818	493	8	8,133 5,739
34	PORT CHESTER.	34	$1,243 \\ 2,334$	33 30	48	64	49	1,049	713	336		1,079	734	345	20 10	3,175
35	POUGHKEEPSIE	111	2, 334	102	32	106	44	2,122	1,483	611	28	2,237	1,564	. 643	20 10 14 12	3,326
36	RENSSELAER.	33	4,057	28	139 21	393 21	104	3,299	2,184	1,092	23	3,503	2,319	$1,158 \\ 310$		1,263
37	ROME	119	3,995	112	87	114	9 49	763	481	278 487	4 33	852 4,055	538 3,475	542	14 24	8,844
38	SARATOGA SPRINGS	39	1,065	- 30	44	109	49	3, 633 833	3,113	487	21	956	562	370	20 4	1.718
89	WATERTOWN.	107	3,834	87	149	241	66	3,291	$\frac{490}{2,834}$	421	36	3,884	3,344	498	38 4	13, 543
40	WATERVLIET.	36	880	33	33	44	17	753	455	272	26			309	30	904
41	WHITE PLAINS	33	333	28	17	25	14	249	246	- 3	20	280		3		404
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# TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909-Continued.

#### CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES-Continued.

UTICA.

	Capital.												
		Total.	Services.			Materials,			Miscel	Value of	Value added by		
			Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.	products.	manu-7 facture.
1 2 3 4 5 6	\$27, 795, 752 336, 352 75, 953 2, 019, 470 2, 231, 958 251, 865	\$27, 331, 991 474, 911 54, 644 2, 883, 855 2, 033, 075 178, 948	\$768,063 2,192 988 69,614 73,324 12,355	\$781, 732 19, 653 416 187, 590 40, 721 2, 048	\$5,963,507 78,726 28,525 650,510 495,550 45,960	\$500,949 10,778 1,613 13,581 66,815 4,067	\$16, 144, 976 333, 745 19, 490 1, 597, 109 1, 230, 919 94, 227	\$104, 112 10, 844 1, 192 29, 192 6, 558 1, 196	\$474,506 1,536 293 8,481 15,429 712	\$321, 292 92, 076	\$2, 272, 855 17, 437 2, 127 235, 702 103, 759 18, 383	\$31, 199, 261 540, 753 67, 100 3, 078, 593 2, 192, 118 183, 908	\$14,553,337 196,230 45,997 1,467,903 894,384 85,614
7 8 9 10 11 12 13	5,907,564 1,766,067 153,974 831,979 111,728 301,905 13,806,937	$7,187,921 \\1,207,696 \\144,136 \\711,327 \\157,228 \\383,026 \\11,915,224$	121,82545,2002,30070,1881,0403,600365,437	$112,741 \\ 45,443 \\ 1,124 \\ 96,468 \\ 2,017 \\ 17,889 \\ 255,622$	1,751,318 127,235 39,832 185,724 10,608 85,810 2,463,709	86, 417 23, 504 2, 750 9, 638 1, 238 2, 189 278, 359	4,518,695 327,916 87,946 212,638 139,720 166,600 7,415,970	13,885 372 7,923 4,803 28,147	32, 535 232, 673 724 5, 885 833 60, 188 115, 217	12,037 12,317 	538, 468 405, 725 9, 088 110, 546 1, 772 41, 947 787, 901	8,053,844 1,393,056 166,380 861,009 166,759 453,367 14,042,374	$\begin{array}{c} 3,448,732\\ 1,041,636\\75,084\\638,733\\25,801\\284,578\\6,348,045\end{array}$

favoring extracts, 1; flour-mill and gristmill products, 2; food preparations, 3; fur goods, 2; furnishing goods, men's, 1; furniture and refrigerators, 3; gas, illuminating and heating, 1; glass, cutting, staining, and ornamonting, 2; hats and caps, other than feit, straw, and wool, 2; jewelry, 1; lead, bar, pipe, and sheet, 1; leather goods, 2; lumber and timber products, 7; mattresses and spring bods, 2; millinery and lace goods, 1; minoral and soda waters, 4; models and patterns, not including paper patterns, 1; muclage and paste, 1; musical instruments, pianos and organs and materials, 2; paint and varnish, 1; paper and wood pulp, 2; paper patterns, 1; patent medicines and compounds and druggists' preparations, 1; soap, 1; sporting and athletic goods, 2; storves and furnaces, including gas and oil storves, 2; wall plaster, 2; washing machines and clothes wringers, 1; waste, 1; wirework, including wire rope and cable, 1; woolen, worsted, and felt goods, and wool hats, 1.

#### YONKERS.

1	\$58,768,555	\$54, 491, 098	\$581, 607	\$716,773	\$6,726,118	\$656, 852	\$42, 545, 067	\$60, 723	\$179,625	\$33, 489	\$2,990,844	\$59,333,865	\$16, 131, 946
2 3 4 5	137,79964,6704,266,29192,600	57,092	2,800 71,501 3,040	10, 565 740 155, 100 200	88,743 26,312 924,953 33,197	8,920 871 19,528 748	317,983 24,002 1,037,925 32,023	10, 337 2, 326 2, 761 50	110	300	28,908 2,731 141,992 1,935	598, 470 74, 516 2, 836, 522 89, 571	271,567 49,643 1,779,069 56,800
6	1,931,521	470,239	60, 305	68, 369	36,393	1,659	188,503	8,300	949		105,701	832,501	642,279
7 8 9	347,822 21,424 51,906,428	235, 465 24, 266 50, 790, 448	12, 360 431, 601	30, 842 450, 957	74,063 6,709 5,535,748	4, 461 319 620, 346	63, 199 12, 128 40, 869, 244	7,292 1,788 27,869	861 2,052 155,572	22,035 11,154	20,352 1,270 2,687,957	280, 415 32, 827 54, 589, 043	212,755 20,380 13,099,453

goods, not elsewhere specified, 1; ice, manufactured, 2; liquors, malt, 1; lumber and timber products, 3; mattresses and spring beds, 2; millinery and lace goods, 2; mineral and soda waters, 6; musical instruments, planos and organs and materials, 1; photo-engraving, 1; rubber goods, not elsewhere specified, 2; shipbuilding, including boat building, 1; silk and slik goods, including throwsters, 1; slaughtering and meterials, 1; sucar, refining, not including beet sugar, 2; surgical appliances and artificial limbs, 1; toys and games, 1; wirework, including wire rope and cable, 2; wood, turned and carved, 1.

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

$\begin{array}{c}1\\1\\2\\3\\4\\5\\0\\7\\8\\9\\10\\11\\1\\2\\3\\4\\5\\2\\6\\7\\2\\8\\2\\4\\5\\2\\6\\7\\2\\8\\2\\6\\3\\1\\2\\3\\3\\3\\4\\5\\5\end{array}$	\$16, 161, 900 23, 742, 528 5, 607, 082 4, 214, 219 3, 116, 581 3, 215, 502 5, 459, 838 7, 079, 300 11, 302, 756 4, 103, 931 4, 103, 931 4, 103, 931 4, 203, 931 4, 103, 931 4, 203, 936 11, 302, 756 4, 103, 931 4, 203, 931 4, 203, 934 5, 203, 894 5, 204 5, 205, 205 5, 2	\$19, 799, 692 13, 621, 467 3, 852, 970 15, 052, 420 5, 456, 536 5, 763, 209 7, 147, 722 7, 215, 777 4, 743, 183 4, 248, 316 12, 766, 604 4, 248, 316 12, 766, 604 4, 248, 316 12, 766, 604 3, 048, 765 5, 252, 301 7, 455, 583 4, 612, 548 5, 252, 301 7, 455, 583 4, 612, 508 1, 500, 439 8, 946, 191 1, 560, 439 8, 946, 191 1, 560, 439 8, 946, 191 1, 560, 439 8, 946, 191 1, 560, 439 8, 946, 191 1, 578, 433 7, 475, 852 1, 021, 768 1, 021,	$\begin{array}{c} \$315, 168\\ 416, 109\\ 108, 276\\ 400, 999\\ 313, 234\\ 111, 609\\ 162, 457\\ 252, 781\\ 802, 552\\ 802, 552\\ 802, 552\\ 156, 037\\ 251, 599\\ 128, 697\\ 128, 697\\ 128, 697\\ 234, 128\\ 162, 555\\ 260, 777\\ 88, 114\\ 96, 266\\ 96, 209\\ 128, 128\\ 162, 555\\ 260, 777\\ 88, 114\\ 96, 266\\ 95, 209\\ 275, 267\\ 169, 328\\ 150, 992\\ 75, 016\\ 150, 992\\ 75, 016\\ 169, 328\\ 84, 164\\ 105, 618\\ 343, 897\\ 342, 897\\ 342, 897\\ 342, 897\\ 343, 164\\ 105, 618\\ 343, 897\\ 343, 897\\ 343, 164\\ 105, 618\\ 343, 897\\ 343, 89$	\$229, 752 284, 460 240, 235 600, 510 125, 562 79, 090 121, 945 296, 705 432, 757 465, 513 149, 157 129, 573 440, 737 110, 170 58, 716 88, 700 88, 700 88, 700 88, 700 88, 700 69, 064 163, 910 92, 796 61, 10, 741 61, 385 300, 704 777, 820 49, 510 49, 510 50, 510, 510 50, 510 50, 510 50, 510 50, 510 50, 510, 510 50, 510	\$4, 823, 295 3, 186, 525 9, 959, 860 3, 083, 673 3, 387, 460 1, 307, 605 1, 301, 878 1, 414, 079 1, 882, 411 1, 297, 683 1, 207, 683 1, 202, 721 2, 704, 272 1, 282, 400 1, 292, 721 2, 704, 272 1, 283, 344 3, 305, 245 1, 175, 355 1, 305, 031 1, 904, 602 1, 202, 1611 3, 585, 127 1, 582, 268 1, 572, 111 1, 385, 570 243, 100 1, 813, 289 1, 240, 902 512, 983 1, 039, 607 1, 685, 272 1, 685, 675 1, 675, 675 1, 685, 6	\$289, 202 282, 548 42,097 176, 816 312, 347 146, 711 202, 604 160, 489 214, 501 62, 470 234, 924 146, 820 70, 801 47, 509 69, 178 173, 278 63, 452 120, 087 120, 087 123, 924 123, 558 71, 107 48, 374 223, 775 120, 087 120, 087 123, 087 123, 087 123, 087 123, 087 123, 107 48, 374 225, 716 37, 039 257, 169 22, 488 188, 141 140, 700 57, 300 82, 023 128, 644	\$12,005,508 8,654,882 1,738,933 8,548,803 7,863,773 7,863,773 7,863,773 7,863,773 3,040,476 4,641,938 2,928,501 2,074,161 7,915,046 2,074,161 7,915,046 2,074,161 7,915,046 2,074,161 7,210,560 3,861,285 5,106,381 2,834,358 1,237,450,560 4,668,661 12,344,358 1,2344,169 4,668,661 12,344,358 1,2344,163 5,106,381 2,834,358 1,237,405,500 5,106,381 2,834,358 1,237,405,500 5,106,381 2,834,358 1,237,405,500 5,106,381 2,834,358 1,234,10958 3,470,947 2,914,857 2,914,915 3,728 3,738		7,78,760 128,909 24,265 446,319 128,862 11,734 12,881 12,881 12,381 138,513 19,849 35,823 32,120 43,608 43,608 43,608 15,957 15,957 15,957 15,957 169,698 15,734 71,028 48,319 8,731 236,554 24,072 49,215 19,559 16,559 17,590 40,211 19,559 17,550 11,955 15,136 7,376 8,903 49,034 12,515 15,136 7,376 49,034 12,515 12,515 12,515 15,136 7,376 12,515 12,515 12,515 12,515 12,515 12,515 12,515 12,515 12,515 12,515 13,513 14,955 15,136 7,376 14,903 14,905 15,136 7,376 15,136 15,	\$987 21,080 265,325 23,280 4,848 46,22 2,386 7,135 46,644 1,111 180,374 11,079 686,331 385,293 261,493 97,676 23,681 35,593 261,493 97,676 23,681 23,683 97,676 23,683 10,225 2,000 320,048 28,900 65,666 130,566 130,566 130,566 130,566 138,427 1,801 12,800 8,427 1,801 13,800 8,427 1,801 13,800 8,427 1,801 13,800 8,427 1,801 13,800 8,427 1,801 13,800 8,427 1,801 13,800 8,427 1,801 13,800 8,427 1,801 13,800 13,805 1,805	\$1,020,699 656,553 467,331 1,560,428 560,692 388,774 274,225 518,855 757,072 760,925 445,720 369,311 400,942 121,891 213,712 34,256 1,202,537 120,540,934 475,467,463,277 463,277 1263,347 463,277 1263,347 463,277 1263,347 463,277 1263,347 463,277 1263,347 463,277 1263,347 463,277 1263,347 463,277 1263,347 463,277 1263,347 463,277 1263,347 463,277 1263,347 27,37,342 305,703 157,015 1,080,982 335,183 199,013 199,013 51,885,183	$\begin{array}{c} \$22, 449, 057\\ 15, 961, 022\\ 4, 400, 774\\ 17, 114, 214\\ 14, 880, 722\\ 3, 050, 410\\ 6, 394, 624\\ 6, 677, 028\\ 7, 867, 114\\ 5, 153, 925\\ 4, 876, 786\\ 14, 170, 682\\ 3, 647, 630\\ 3, 506, 504\\ 1, 919, 908\\ 14, 720, 240\\ 6, 573, 523\\ 8, 168, 450\\ 4, 658, 240\\ 6, 573, 528\\ 8, 168, 450\\ 4, 658, 240\\ 6, 573, 528\\ 8, 168, 450\\ 4, 658, 240\\ 9, 928, 146\\ 9, 147, 128, 188\\ 7, 888\\ 7, 888, 183\\ 3, 137, 523\\ 6, 243, 051\\ 9, 140, 964\\ 9, 142, 858\\ 7, 858, 183\\ 3, 137, 523\\ 6, 243, 051\\ 9, 140, 964\\ 9, 142, 128, 186\\ 140, 120, 120\\ 140, 120, $	
31 32 33 34	11,249,446 3,828,040 2,694,406	9,578,433 7,475,852 2,720,467	$\begin{array}{c} 225, 267\\ 169, 338\\ 84, 164\\ 105, 618\\ 343, 887\\ 120, 778\\ 221, 142\\ 108, 800\\ 350, 615\\ 64, 998 \end{array}$	227,760 171,098 74,162	$1,813,289 \\1,240,902 \\512,983$	$     188,141 \\     140,700 \\     57,300     $	5,914,857 2,801,339 1,688,039	24,046 103,560 6,523	82,731 2,455,305 15,136	12,360 8,427 4,564	1,089,982 385,183 277,596	$10,412,888\\7,888,183\\3,137,523\\0,243,051\\9,150,904\\2,296,089\\14,423,437\\2,336,579\\8,527,416\\8,527,416\\1,069,579$	4,309,890 4,946,144 1,392,184