MASSACHUSETTS.

GENERAL STATISTICS.

General character of the state.—Massachusetts has a gross area of 8,266 square miles, of which 8,039 represent land surface. The inhabitants of the state in 1900 numbered 2,805,346; in 1910, 3,366,416; and in 1920, 3,852,356. In total population Massachusetts ranked sixth among the states in 1920. The number of inhabitants per square mile in 1910 was 418.8, the corresponding figure for 1920 being 479.2.

In 1920 there were 66 cities in the state having more than 10,000 inhabitants. (See Table 6.) The combined population of these 66 cities in that year was 3,144,077, which formed 81.6 per cent of the total for Massachusetts. In 1919,86.3 per cent of the value of the state's manufactured products were reported from these cities.

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

Statistics for the state, by counties (Table 2).— Figures are not available for comparison of county totals for 1919 with those for prior censuses. Measured by the value of products, Table 2 shows that for 1919 the five leading counties were Middlesex, Essex, Suffolk, Worcester, and Bristol, in the order named.

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

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex, for 1919, was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 40.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed 2,000 or more wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—During the census period 1914– 1919, each of the cities for which comparative figures are presented shows increases in value of products, due largely to the increased value of commodities at the latter period. With the exception of six cities— Arlington, Gloucester, Lawrence, Marlborough, Wakefield, and Westfield—there were increases also in the average number of wage earners.

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

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months for selected industries, similar data are given for males and females for all industries combined, and also for the 66 cities in the state having 10,000 inhabitants or more. The table shows that there were a number of industries in the state in 1919 in which female wage earners predominated.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Massachusetts. In that year only 8.1 per cent of the wage earners were reported in the group "48 and under" as against 74.3 per cent in 1919. In 1914, the "60" and "Over 60" groups constituted 4.2 per cent of the total wage earners, as compared with nine-tenths of 1 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 89.3 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 20.3 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 10.7 per cent of the total manufacturing establishments in the state, but reported 79.7 per cent of the total number of wage earners. Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at "\$100,000 to \$1,000,000" constituted one group, but at the census of 1919 this group was subdivided into "\$100,000 to \$500,000" and "\$500,000 to \$1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups for all items for 1909, and in the case of average number of wage earners and value added by manufacture for 1914.

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

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

Character of ownership (Table 14).—The predominance of corporate ownership is clearly brought out in this table. Although corporations owned but 39.5 per cent of the number of establishments in the state in 1919, they reported 87.1 per cent of the average number of wage earners and 86.8 per cent of the total value of products. During the five-year period 1914 to 1919, the average number of wage earners in corporations increased 121,072, or 24.2 per cent, and the value of products, \$2,136,719,997, or 158.7 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in the 66 cities in 1919 represented 83.5 per cent of the total in the state. They reported in that year 85.4 per cent of the average number of wage earners, and 86.3 per cent of the value of products and also of the value added by manufacture.

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

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 333,156 horsepower, or 23.9 per cent. This increase was wholly in rented power which increased 348,268 horsepower, or 161.1 per cent; while owned power decreased 15,112 horsepower, or 1.3 per cent, during the five-year period.

Fuel consumed (Table 18).-This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel. Of the anthracite coal, the largest quantity shown for any single industry was 116,577 tons, or 16.8 per cent, used in the manufacture of gas. This industry was also the largest consumer of fuel oils, with 1,785,175 barrels, or 48.7 per cent, and the second largest consumer of bituminous coal and of coke, with 10.2 per cent and 23.9 per cent, respectively. The largest consumption of bituminous coal was in the cotton-goods industry, 1,089,589 tons, or 19.3 per cent; while steam-railroad repair shops were the largest consumers of coke, with 200,271 tons, or 40 per cent.

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

		MANUFA	CTURING INDUST	RIES.		PE	R CENT OF	INCREASE	s .1
	1919	1914	1909	1904	1899	1914- 1919	1909- 1914	1904- 1909	1899- 1904
Number of establishments	11,906	12,013	11,684	10,723	10, 929	-0.9	2.8	9.0	1.9
Persons engaged Proprietors and firm members Salaried employees Wage earners (average number)	812, 521 9, 451 89, 234 713, 836	676,642 10,710 59,234 606,698	644,399 11,194 48,646 584,559	532, 481 11, 258 32, 824 488, 399	(²) (³) 25, 256 438, 234	$20.1 \\ -11.8 \\ 50.6 \\ 17.7$	5.0 4.3 21.8 3.8	$21.0 \\ -0.6 \\ 48.2 \\ 19.7$	30.0 11.4
Primary horsepower Capital	1,729,878 \$2,947,108,527	1, 396, 722 \$1, 548, 960, 733	1, 175, 071 \$1, 279, 686, 558	938,007 \$965,948,887	796,061 \$781,867,715	23. 9 90. 3	18.9 21.0	25.3 32.5	17.8 23.5
Salaries and wages Salaries Wages	950, 058, 742 183, 435, 405 766, 623, 337	425, 024, 201 83, 714, 684 341, 309, 517	364, 452, 007 63, 278, 543 301, 173, 464	272, 043, 570 39, 654, 624 232, 388, 946	224,758,018 29,479,742 195,278,276	$123.5 \\ 119.1 \\ 124.6$	$16.6 \\ 32.3 \\ 13.3$	34. 0 59. 6 29. 6	21.0 34.5 19.0
Paid for contract work Rent and taxes Cost of materials Value of products Value added by manufacture f	22, 744, 566 163, 471, 020 2, 260, 713, 036 4, 011, 181, 532 1, 750, 468, 496	9,834,358 30,376,744 931,383,793 1,641,373,047 709,989,254	$\begin{array}{r} 12,092,607\\ 21,295,364\\ 830,764,943\\ 1,490,529,386\\ 659,764,443\end{array}$	6,568,988 3 12,320,129 626,410,431 1,124,092,051 497,681,620	(*) (*) 498,655,033 907,626,439 408,971,406	131. 3 438. 1 142. 7 144. 4 146. 5	-18.742.012.110.17.0	84.1 32.6 32.6 32.6	25.6 23.8 21.7

¹ A minus sign (--) denotes decrease,

² Figures not available.

³ Exclusive of internal revenue.

* Value of products less cost of materials.

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

	Num- ber of	WAQE	EARNERS.	Rent and	Cost of	Value of	Value added by manufac-	Primary horse-
COUNTY.	estab- lish- ments.	Average number.	Wages.	taxes.	materials.	products.	ture.	power.
Tho state	11, 906	713, 836	\$766, 623, 337	\$163, 471, 020	\$2, 260, 713, 036	\$4,011,181,532	\$1,750,468,496	1,729,878
Barnstable Berkshire Bristol Dukes Essex Franklin Hampden Hampshire Middlesex Mantucket	1, 007 1, 754 207 869 193	720 22,505 102,466 26 114,475 6,848 62,235 11,410 119,634 15	$\begin{array}{r} 993,201\\ 23,127,671\\ 95,469,812\\ 2,5,152\\ 130,033,899\\ 7,452,832\\ 66,388,002\\ 10,621,002\\ 10,621,002\\ 122,957,225\\ 15,613 \end{array}$	$\begin{array}{c} 21, 184 \\ 5, 181, 556 \\ 28, 869, 852 \\ 2025 \\ 26, 240, 501 \\ 1, 205, 501 \\ 13, 571, 618 \\ 3, 764, 301 \\ 23, 035, 917 \\ 3, 309 \end{array}$	$\begin{array}{c} 4,003,542\\ 61,925,743\\ 284,075,770\\ 31,668\\ 380,559,270\\ 11,489,553\\ 182,924,346\\ 48,309,901\\ 409,237,191\\ 36,604 \end{array}$	$\begin{array}{c} 5,515,139\\ 114,805,837\\ 495,424,479\\ 80,432\\ 660,697,986\\ 27,808,057\\ 355,359,435\\ 76,198,635\\ 76,198,635\\ 689,166,400\\ 35,638\end{array}$	$\begin{array}{c} 1,421,597\\ 52,880,094\\ 210,748,709\\ 48,704\\ 280,138,716\\ 16,318,504\\ 172,435,039\\ 27,798,734\\ 279,929,209\\ 48,434\\ \end{array}$	195
Norfolk. Plymouth Suffolk. Worcester	505 453 3, 255 1, 470	39, 154 33, 497 08, 111 102, 740	56,089,659 37,925,101 107,548,579 107,975,484	5, 560, 626 7, 724, 431 27, 429, 327 20, 860, 782	99, 629, 102 140, 925, 269 368, 995, 540 267, 789, 537	$\begin{array}{c} 198, 568, 273\\ 221, 908, 316\\ 659, 250, 375\\ 506, 313, 130\end{array}$	98, 939, 171 80, 983, 047 290, 254, 835 238, 523, 593	65,963 46,262 120,745 271,752

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

	lishments.	WAG EARNE		VALUE PRODUC		VALU ADDED MANUI TURI	BY AC-		blishments.	WAG EARNE		VALUE PRODUC		VALUE ADDED I MANUFA TURE,	В Т 1.С-
INDUSTRY.	Number of establishments	Average number.	Per cent distribution.	Amount (expressed in thousands of dollars).	Per cent distribution.	Amount (expressed in thousands of dollars).	Per cent distribution.	INDUSTRY.	Number of establishments.	Average number.	Per cent distribution.	Amount (expressed in thousands of dollars).	Per cent distribution.	Amount (expressed in thousands of dollars).	Per cent distribution.
All industries	11, 906	713, 836	100. 0	4,011,182	100. 0	1,750,468	100.0	Ordnance and accessories	4 27	$1,805 \\ 2,483$	0.3 0.3	18,347 17,305	0.5 0.4	11,919 9,204	0.7 0.5
Cotton goods. Boots and shoes, not including rubber boots and shoes. Worsted goods.	403	122,499 80,166 36,296		596, 687 442, 466 237, 443		237,012 173,115 86,827	13.5 9.9 5.0	Coffee and spice, roasting and grinding Brass, bronze, and copper products Motorcycles, bicycles, and parts	23 72 8	512 2,832 3,000	0.1 0.4 0.4	16,978 16,943 16,000	0.4 0.4 0.4	2,973 7,576 7,591	0.2 0.4 04
Worsted goods. Leather, tanned, curried, and finished. Foundry and machine-shop prod-	131	15, 180		129, 595	3.2	47,578	2.7	Boxes, paper and other, not else- where specified.	102	4,711	0.7	15,666	0.4	8, 208	0 . 5
ucts	1	27,712		111,853	2.8 2.8	72,643 9.003	4.2	where specified. Stationery goods, not elsewhere specified. Bores, wooden packing, except	30	3, 305	0.5	15, 162	0.4	7,897	0.5
Slaughtering and meat packing Woolen goods Rubber tires, tubes, and rubber	40 111	4,307 17,568	2.5	110, 238 105, 183	2.6	43,090	2.5	specified Boxes, wooden packing, except cigar boxes. Suspenders, garters, and elastic woven goods. Liquors, malt.	75	3,232	0.5	15,051	0.4	6, 879 6, 621	0.4 0.4
Electrical machinery, apparatus,		9,406	1.3	93, 377 91, 939	2,3 2,3	46, 301 60, 102	2.6 3.4			2,905 1,328	0.2	14,713	0.4	10, 525	0,6
and supplies. Paper and wood pulp	78	23, 889 12, 960	3.3 1.8	87, 160	2.2	33, 396	1.9	Automobile bodies and parts Belting and hose, rubber	88 3 10	$3,541 \\ 2,441 \\ 3,134$	0.5	14,483 13,860 13,594	0.4 0.3 0.3	7,771 6,077 5,573	0.4 0.3 0.3
Boot and shoe cut stock. Dyeing and finishing textiles, ex-	182	4,631	0.6	86, 214	2.2	16, 732	1.0	Belting and hose, rubber. Carpets and rugs, other than rag. Paper goods, not elsewhere speci- fied.	44	1,969	0.3		0.3	4,972	0.3
clusive of that done in textile mills. Confectionery and ice cream.	278	$12,321 \\ 11,585$	$1.7 \\ 1.6$	75, 262 68, 897	$1.9 \\ 1.7$	31,052 28,543 25,430	1.8 1.6 1.5	Steam fittings and steam and hot- water heating apparatus	. 23	3, 521	0.5	13, 473	0.3	8,028	0, 5
Bread and other bakery products. Textile machinery and parts	1,309	8,583 17,413	1.2 2.4	66, 017 65, 901	$1.7 \\ 1.6$	42,424	2.4	Iron and steel forgings, not made in steel works or rolling mills	14	2, 172 2, 443 1, 404	0.3	13,299 13,118	0.3	8,021 8,105 3,339	0.5
Knit goods. Printing and publishing, news-	77	12,751	1.8	52, 424 46, 801	1.3 1.2	21,252	1.2	Emery and other abrasive wheels Canning and preserving, fish	22	1,464	0.2	12, 763	0.3	3, 339	0.2
papers and periodicals Boot and shoe findings. Boots and shoes, rubber Printing and publishing, book	412	5,885 5,896 13,062	0.8 0.8 1.8	44,357	1.1	30, 328 15, 971 26, 687	0.9	Emery and other abrasive wheels Canning and preserving, fish Lumber, planing-mill products, not including planing mills con- nected with sawmills Automobiles	146	2,245 989	0.3	12,625 12,548	0.3	5, 4 12 2, 978	0, 3 0, 2
Printing and publishing, book and job	. 768	7,634	1, 1	41, 627	1.0	28, 692		Optical goods Tobacco, cigars and cigarettes	1 .	4,082 2,946 1,917		ll	0.3	8,632 6,704	0.5 0.4
Clothing, men's. Jewelry Silk goods, including throwsters. Iron and steel, steel works and	207 165 21	6,856 6,786 5,697	1.0 1.0 0.8		1.0 0.9 0.9	17,875 16,452 14,950	1.0 0.9 0.9	Tobacco, cigars and cigarettes Envelopes Pumps, steam Felt goods	202 13 7 15	1,917 2,280 1,086	$ \begin{array}{c} 0.6 \\ 0.4 \\ 0.3 \\ 0.3 \\ 0.2 \\ \end{array} $	11 10.000	0.3 0.3 0.3	4,319 5,648	0.2 0.3 0.2
Iron and steel, steel works and rolling mills Clothing, women's	11		0.5	30,970 30,428	0.8 0,8	11, 733 12, 454	0.7 0.7	Druggists' preparations Food preparations, not elsewhere	. 24	1,699	0.2		0.3	5, 037	0.3
Chocolate and cocoa products Tools, not elsewhere specified Cordare and twine	. 6 . 117 . 13	2,007 7,226 2,743	0.3	30, 327 29, 159 28, 080	0.8 0.7 0.7 0.6	8,655	0.5	specified Patent medicines and compounds Silversmithing and silverware Copper, tin, and sheet-iron work.	. 81 . 97 . 18	848 604 1,876 1,533	0.1	9,108 8,485	0.2	4,654	0.2 0.3 0.3 0.3
Wire. Gas, illuminating and heating	51			11	i	13, 458	0.8	Cotton small wares		1,651					0.2
Furniture. Machine tools. Cars and general shop construc-	40	6,471	1			16, 534	. 0.9	making.	172	768	10.1	8,177	0.2	4,097	
tion and repairs by steam-rail- road companies. Cutlery and edge tools. Soap	14 51 27	3,988	1.1 0.6 0.1	22, 638 19, 673 18, 730	0,6 0,5 0,5	12, 347 14, 261 7, 556	0.7	specified	. 39	1,929	0,3	7,932	0.2	3, 443	0.2

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

	olisnments.	WA EARN		VALUE PRODU		VALU ADDEI MANU TUR) BY FAC-		blishments.	WA EARN		VALUP PRODU		VALU ADDED MANUI TURI	BY FAC-
INDUSTRY.	Number of establishments.	Average number.	Per cent distribution.	Amount (expressed in thousands of dollars).	Per cent distribution.	Dyestuffs and extra Sporting and athleti Uron and statel, bolts		INDUSTRY.	Number of establishments.	Average number.	Per cent distribution.	Amount (expressed in thousands of dollars).	Per cent distribution.	Amount (expressed in thousands of dollars).	Per cont distribution.
Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works								Dyestuffs and extracts—natural Sporting and athletic goods Iron and steel, bolts, nuts, wash-	27 14	165 1,397	(1) 0.2	5,812 5,774	0.1 0.1	1, 336 2, 771	0.1 0.2
or rolling mills House-furnishing goods, not else-	25	1, 537	0.2	7, 853	0.2	4,012	0, 2	ers, and rivets, not made in rolling mills.	11	1, 471	0.2	5, 763	0.1	2, 613	0.1
where specified Grease and tallow, not including	54 24	1,081 825	0.2	7,708	0.2	2, 579 2, 488	0.1 0.1	Oilcloth, enameled Lumber and timber products	4 244	$\frac{342}{1,582}$	$\binom{1}{0,2}$	5,747 5,733	0.1 0.1	$1,405 \\ 3,607$	0.1 0.2
lubricating greases Marble and stone work Blacking, stains, and dressings	239 56	1,936 686	$0.3 \\ 0.1$	7,323 7,125 7,108	$0.2 \\ 0.2$	4,606 2,936	0.3 0.2	Firearms. Stoves and hot-air furnaces	5 15	342 1,582 2,253 1,380	$0.3 \\ 0.2$	5,645 5,577	0.1 0.1	4, 578 3, 906	0.3 0.2
Brushes. Corsets. Roofing materials Structural ironwork, not made in steel works or rolling mills.	30 11 8	1, 613 1, 555 695	$\begin{array}{c} 0.2 \\ 0.2 \\ 0.1 \end{array}$	6, 857 6, 764 6, 706	$\begin{array}{c} 0.2 \\ 0.2 \\ 0.2 \end{array}$	3, 524 3, 397 2, 712	0, 2 0, 2 0, 2	Wool shoddy Hats, straw Sausage, not made in slaughter- ing and meat-packing estab-	23 13	623 1, 490	0.1 0.2	5, 515 5, 485	0.1 0.1	1, 815 2, 505	0.1 0.1
Structural ironwork, not made in steel works or rolling mills Surgical appliances	55 14	1,188 609	0.2 0.1	6,687 6,572	$0.2 \\ 0.2$	3, 340 2, 226	0.2 0.1	lishments Carriages and sleds, children's	56 13	306 1,449	$\binom{(1)}{0.2}$	5, 296 5, 254	0.1 0.1	1,074 2,703	0.1 0.2
Glue, not elsewhere specified Pickles, preserves, and sauces Varnishes Automobile repairing. Ammunition.	$13 \\ 33 \\ 14 \\ 279 \\ 6$	826 480 316 1,582 2,449	$ \begin{array}{c} 0.1 \\ 0.1 \\ (^1) \\ 0.2 \\ 0.3 \end{array} $	6, 451 6, 254 6, 159 5, 973 5, 961	$\begin{array}{c} 0.2 \\ 0.2 \\ 0.2 \\ 0.1 \\ 0.1 \end{array}$	2, 822 2, 245 2, 558 3, 929 4, 794	$\begin{array}{c} 0.2\\ 0.1\\ 0.1\\ 0.2\\ 0.3\end{array}$	0.2 Combs and hairpins, not made from metal or rubber 0.1 Linen goods 0.2 Shirts		1,766 1,219 1,090 74,345	0.3 0.2 0.2 10.4	5, 179 5, 178 5, 108 370, 904	$0.1 \\ 0.1 \\ 0.1 \\ 9.2$	2,645 1,849 2,243 171,557	0.2 0.1 0.1 9.8
Millinery and lace goods, not else- where specified Lasts	60 31	1,396 1,299	0.2 0.2	5, 959 5, 886	0.1 0.1	2, 806 4, 049	0.2 0.2								

¹ Less than one-tenth of 1 per cent. * Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are six having products in excess of some for which figures are shown in the table. These industries are as follows: "Cars, steam-railroad, not including operations of railroad com-panies"; "jute goods"; "labels and tags"; "shipbuilding, steel"; "sugar, refining, not including beet sugar"; and "watches."

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

<u></u>	Cen-			Fe-		CENT OTAL.		Cen-			Fe-	PER OF TO	
CLAS5.	sus year.	Total.	Male.	male.	Male.	Fe- male.	CLASS.	sus year.	Total.	Male.	male.	Male.	Fe- niale.
All classes	1914	812, 521 676, 642 644, 399	470,494	206,148	68.5 69.5 69.4	31.5 30.5 30.6	Clerks and other subordinate sala- ried employees.	1919 1914 1909	63, 556 44, 762 35, 855	32,788 28,620 22,914	30,768 16,142 12,941	51.6 63.9 63.9	$\begin{array}{r} 48.4 \\ 30.1 \\ 36.1 \end{array}$
Proprietors and officials	1919 1914 1909	35, 129 25, 182 23, 985	33, 391 23, 982 23, 181	1,738 1,200 804	95.1 95.2 96.6	4.9 4.8 3.4	Wage earners (average number),	1914		490,008 417,892 401,172		68.6 68.9 68.6	31,4 31,1 31,4
Proprietors and firm members	1919 1914 1909	9,451 10,710 11,194	10,695	507 588 499	94.6 94.5 95.5	5.4 5.5 4.5	16 years of age and over	1919 1914	690, 400 594, 386 563, 824	478, 449 411, 709	211,951	69.3 69.3 69.3	30.7 30.7 30.7 30.7
Salaried officers of corporations.	1914 1909	7,105 5,250 4,615	4,481	318 179 134	95.5 96.6 97.1	4.5 3.4 2.9	Under 16 years of age	1919 1914 1909	23,436 12,312 20,735	11,557 6,183 10,628	11,879 6,129 10,107	49.3 50.2 51.3	50.7 49.8 48.7
Superintendents and managers	1919 1914 1909	18,573 9,222 8,176	17,660 8,789 8,005	913 433 171	95.1 95.3 97.9	4.9 4.7 2.1			· ·				

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

					1071 -				1		
		Wage earners		ENT OF 1	IOTAL.			Wage	PER CE	NT OF T	OTAL.
INDUSTRY.	Cen- sus year.	(aver- age num-	16 year and	s of age over.	Un- der 16	INDUSTRY.	Cen- sus year.	earners (aver- age	16 year and	s of age over.	Un- der
	1	ber).	Male.	Fe- male.	years of age.		5	num- ber).	Male.	Fe- male.	16 years of age.
All industries	1914	713, 836 606, 698	67.0 67.9	29.7 30.1	3.3 2.0	Furniture	1919 1914	6,342 6,813	87.4 90.1	9.9 8.8	2.6
Ammunition 1	1900 1919	584,559 2,449	66.8 35.2	29.6 62.8	3.5	Gas, illuminating and heating	1919 1914	$2,654 \\ 3,182$	99. 8 97. 9	 2.1	0.2
Automobile bodies and parts	1919 1914	$3,541 \\ 1,341$	95.3 97.9	3.6 1.9	$1.1 \\ 0.1$	Iron and steel, steel works and rolling mills .	1919 1914	$3,684 \\ 2,889$	96.1 100.0	3.7	0.1
Belting and hose, rubber 1	1919	2,441	83.6	15.0	1.4	Iron and steel, forgings, not made in steel works or rolling mills.	1919 1914	2,172	97.4	1.9	0.6
Bookbinding and blank-book making	1919 1914	$2,936 \\ 3,317$	$45.7 \\ 52.1$	47.7 46.8	6.5 1.1	Jewelry	1919	6,786 6,505	97.1 61.9	2.3 34.6	0.6 3.5
Boot and shoe cut stock	1919 1914	4,631 3,781	$\begin{array}{c} 72.3\\71.4 \end{array}$	23.5 27.4	$4.1 \\ 1.2$	Knit goods	1914 1919	6,505 12,751 10,635	66.5 27.5	28.7 67.8	4.9 4.6
Boot and shoe findings	1919 1914	5,896 4,389	$63.1 \\ 66.5$	33.6 31.6	3.4 1.9	Leather, tanned, curried, and finished	1914 1919	10,635 15,180	25.9 90.8	72.2 8.2	1.9 1.0
Boots and shoes, not including rubber boots and shoes.	1919 1914	80,166 76,944	60.3 64.7	35.7 33.7	4.0		1914 1919	10,164 2,245	98.2 98.4	1.6 0.4	0.3
Boots and shoes, rubber	1919 1914	13,062	57.3	40.1 37.9	2.6	Lumber, planing-mill products, not includ- ing planing mills connected with sawmills.	1914	3,423	98.7	0.6	1,1 0.6
Boxes, paper and other, not elsewhere speci-	1919	8,087 4,711	$\begin{array}{c} 61.0\\ 33.2\\ \end{array}$	58.0	1.1 8.8	Motorcycles, bicycles, and parts	1919 1914	$3,000 \\ 2,135$	84.9 98.5	$12.3 \\ 1.0$	2.8 0.5
fied. Boxes, wooden packing, except cigar boxes.	1914 1919	4,244	32.9 86.6	63.6 11.2	3.5 2.2	Musical instruments, pianos	1914	2,228 2,352	92.0 96.2	5.3 2.3	2.7 1.5
Brass, bronze, and copper products	1914 1919	2,995 2,832	92.0 97.4	6.4 1.9	1.6 0.7	Optical goods	1919 1914	4,082 2,356	52.0 70.7	42.7 25.0	5.3 4.3
	1914	1,620	97.5	2.0	0.5	Paper and wood pulp	1919 1914	$12,960 \\ 13,401$	73.7 69.3	25.9 30.5	0.4 0.1
Bread and other bakery products	1919 1914	8,583 8,083	71.9 75.5	26, 5 23, 2	$1.6 \\ 1.2$	Printing and publishing, book and job	1919 1914	7,634	70.4 70.7	$26.4 \\ 27.1$	3.3 2.3
Carpets and rugs, other than rag	1919 1914	8,134 5,319	$53.3 \\ 53.2$	38.3 43.3	8.4 3.5	Printing and publishing, newspapers and periodicals.	1919 1914	$5,885 \\ 6,032$	82.4 86.9	$\begin{array}{c} 14.1\\11.5\end{array}$	3.6
Cars and general shop construction and repairs by steam-railroad companies.	$\begin{array}{c}1919\\1914\end{array}$	7,724 6,264	99.2 99.6	0.7 0.3	0.1 0.1	Pumps, steam	1919	2,280	94.9	5.0	0.1
Chemicals,	1919 1914	2,483 1,395	80.4 92.7	19.3 6.7	0.4	Rubber tires, tubes, and rubber goods, not elsewhere specified.	1914 1919	1,194 9,406	97.4 85.0	2.4 14.0	0.2
Chocolate and cocoa products	1919 1914	2,007 943	69.6 70.6	28.9 29.1	1,5 0,3	elsewhere specified. Silk goods, including throwsters	1914 1919	4,743	83. 2 33. 6	14.8 59.9	2.0 6.4
Clothing, men's	1919 1914	6,856 5,760	43.3 47.7	55.5 51.6	1.1 0.7	Slaughtering and meat packing	1914 1919	4,495	30.9 97.7	66.6 2.1	2.5
Clothing, women's	1919	6,271	20.0	77.4 74.7	2.7	Stationery goods, not elsewhere specified	1914	3,233	98.8	1.1	0.1
Confectionery and ice cream	1914 1919	6,076 11,585	24.5 31.0	58.2	0.7		1019 1914	3,305 2,467	37.8 42.0	58.5 56.5	3,7 1,5
Cordage and twine 1	1914 1919	2,743	30.1 70.3	65.7 26.8	4.2	Steam fittings and steam and hot-water heating apparatus.	1919 1914	3,521 3,175	94.5 97.3	$5.2 \\ 2.7$	0,3 (³)
Cotton goods		122,499 112,609	51.0 52.1	43.2 44.0	5.8 3.9	Suspenders, garters, and elastic woven goods.	1919 1914	2,965 2,928	31.3 35.1	64.7 60.7	$\begin{array}{c} 4.0\\ 4.2 \end{array}$
Cutlery and edge tools	1919	3,988 1,947	65.7 77.7	32.1 20.4	2.3 1.9	Tobacco, cigars and cigarettes	1919 1914	2,946 3,895	73, 2 72, 9	26.7 28.9	0.1 0.3
Dyeing and finishing textiles, exclusive of that done in textile mills.	1914 1919	1,947 12,321 11,437	75.5	20.4 22.7 17.5	1.8	Tools, not elsewhere specified	1919 1914	7,226 4,538	86,7 93,5	11.1 5.5	2.2 1.1
that done in textile mills. Electrical machinery, apparatus, and sup-	1914 1919	· · · · ·	80.7 74.4		1.9 0.8	Wire	1919 1914	5,203 2,899	93.6 96.8	5.4 3.1	0.9 0.1
plies.	1914	23,889 17,125	80.0	24.8 19.5 9.5	0.5 0.8	Woolen goods	1919 1914	17,568 13,844	68.4 67.8	29.3 30.9	2.3 1.3
Emery and other abrasive wheels	1919 1914	2,443 902	89.7 95.7	4,1	0.2	Worsted goods	1919	36,296 39,533	51.8	41.9	6.3 3.3
Firearms	1919 1914	2,253 2,161	95.0 97.4	$\begin{array}{c} 3.2\\ 1.2 \end{array}$	1.8 1.3	All other industries	1914 1919	39,533 129,157 115,446	55.8 74.8	40.9 22.9	3.3 2.4 1.7
Foundry and machine-shop products 2	1919 1914	51,680 32,687	94.7 97.8	4.5 1.6	0.8 0.6		1914	115, 446	74.6	23.7	1,7

¹ Not shown separately in 1914. ² Includes "iron and steel, tempering and welding"; "machine tools"; and "textile machinery and parts." ³ Less than one-tenth of 1 per cent.

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

		AVERA	GE NUME	ER OF W	7AGE EA	RNERS I	A NUNUR	ACTURE	19 INDUS	TRIES.					
					16 y	ears of a	ge and o	ver.		Une	ler 16 y	ears	VAL	UE OF PRODUC	TS.
CITY.		Total.			Male.			Female.			of ago.				
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
Adams. Amesbury. Arlington. Attleboro. Belmont.	3,974 3,173 228 6,703 93	3,930 1,451 246 6,058	3,991 283 6,429	2, 376 2, 712 202 4, 798 81	2, 223 1, 264 233 4, 434	2,026 259 4,396	$1,416 \\ 430 \\ 24 \\ 1,684 \\ 11$	1,580 172 10 1,542	1,478 22 1,853	$182 \\ 31 \\ 2 \\ 281 \\ 1$	$127 \\ 15 \\ 82 \\ $	487 2 180 	$\substack{\$15,076,858\\16,309,509\\1,006,207\\34,471,577\\374,586}$	\$6,530,232 3,551,434 641,092 13,946,884	\$6, 410, 054 695, 356 15, 160, 359
Beverly Boston Braintree. Brockton Brockline	6,495 88,759 2,176 18,059 484	4,641 78,894 16,246 335	4,487 73,957 14,737 340	5,274 57,736 1,416 11,978 254	3,904 53,046 11,798 296	3,679 49,146 10,661 280	$1,134 \\28,057 \\593 \\5,627 \\200$	717 24,608 4,283 38	752 22,407 3,834 54	87 2,966 167 454 30	20 1,240 165 1	56 2,404 	$\begin{array}{c} 21,829,684\\ 618,921,962\\ 11,974,839\\ 117,855,025\\ 2,243,311 \end{array}$	8,774,187 284,802,479 51,259,131 658,502	8, 652, 547 244, 793, 556 45, 972, 388 532, 303
Cambridge Chelsea. Chicopee. Chicope. Clinton Danvers.	22,550 6,580 10,068 4,155 1,474	16,749 6,241 8,426 4,064	15,260 5,954 7,260 4,123	$14,953 \\ 4,576 \\ 7,684 \\ 2,383 \\ 966$	11, 826 4, 444 6, 305 2, 300	10,630 4,213 4,994 2,264	6,964 1,753 2,114 1,454 442	4,741 1,741 1,916 1,640	4,211 1,611 2,020 1,670	633 251 270 318 66	$182 \\ 56 \\ 145 \\ 124 \\ \cdots \cdots$	419 130 246 189	$\begin{array}{c} 127, 804, 901\\ 32, 536, 518\\ 89, 772, 534\\ 15, 179, 819\\ 11, 541, 839 \end{array}$	57, 483, 949 16, 971, 028 28, 869, 152 6, 735, 297	$\begin{array}{c} 44, 227, 395\\ 17, 002, 492\\ 10, 219, 166\\ 7, 844, 543\end{array}$
Dedham Easthampton Everett. Fall River. Fitchburg.	463 4, 142 4, 523 37, 015 9, 907	256 3,226 36,834 8,837	2,680 37,139 8,497	267 2,412 3,777 19,335 6,697	193 2,717 19,868 6,088	2,353 20,459 5,825	157 1, 519 611 15, 476 2, 780	58 463 14,899 2,470	257 14, 949 2, 271	$39\\211\\135\\2,204\\430$	5 	70 1,731 401	$\begin{array}{c} 1,737,673\\ 37,942,121\\ 35,775,728\\ 163,246,082\\ 58,164,842 \end{array}$	427, 690 13, 219, 200 64, 663, 146 23, 983, 352	8, 746, 023 64, 145, 726 23, 252, 155
Framingham Gardner Gloucester Greenfield Haverhill		3,982 3,964 2,814 1,602 13,281	3,069 3,617 2,181 1,251 11,689	2, 766 3, 161 1, 951 2, 239 10, 139	2, 460 3, 440 2, 082 1, 436 8, 810	1,797 3,100 1,658 1,043 7,686	1, 492 689 683 480 5, 354	1,4774816611344,325	1, 156 415 482 139 3, 762	$104 \\ 186 \\ 50 \\ 31 \\ 290$	$45 \\ 43 \\ 71 \\ 32 \\ 140$	$116 \\ 102 \\ 41 \\ 69 \\ 241$	$18,842,173\\13,599,682\\18,803,673\\9,481,382\\96,276,853$	$egin{array}{c} 8,726,574\ 7,449,987\ 8,533,064\ 3,527,101\ 42,409,246 \end{array}$	$egin{array}{c} 6,916,864 \\ 6,485,148 \\ 7,753,463 \\ 2,801,011 \\ 35,376,617 \end{array}$
Holyoke. Lawrence. Leominster Lowell. Lynn.	$\begin{array}{r} 17,773\\ 30,319\\ 5,793\\ 30,111\\ 27,355\end{array}$	17, 493 31, 043 4, 929 29, 904 25, 339	16,513 30,542 5,601 32,333 27,368	9,835 17,946 3,600 16,513 18,852	10, 219 19, 300 3, 638 16, 934 17, 469	8,906 17,493 3,708 20,222 19,077	6,989 10,900 1,909 12,577 8,188	$ \begin{array}{r} 6,751 \\ 11,183 \\ 1,202 \\ 12,432 \\ 7,782 \end{array} $	6,458 11,444 1,746 10,883 8,063	949 1,473 194 1,021 315	523 560 89 538 88	1,149 1,005 147 1,228 228	93, 426, 775 183, 449, 096 24, 928, 700 137, 801, 538 160, 905, 792	44,041,155 73,177,803 10,838,024 56,048,641 69,783,418	$\begin{array}{c} 40,097,224\\ 79,992,668\\ 10,530,815\\ 59,687,714\\ 71,503,140 \end{array}$
Malden. Marlborough. Medford. Melroso. Methuen.	4,723 3,708 1,031 1,606 2,571	2,850 3,822 559 962 1,940	2,900 4,265 560 1,038 1,572	2,575 2,425 694 709 936	1,622 2,624 480 446 786	1,649 2,787 486 438 653	1,981 1,227 305 845 1,421	1,171 1,092 77 490 1,116	$1,222 \\ 1,201 \\ 66 \\ 591 \\ 793$	$ \begin{array}{c c} 167 \\ 146 \\ 32 \\ 52 \\ 214 \\ \end{array} $	57 106 2 26 38	29 277 8 9 126	$\begin{array}{c} 22,077,624\\ 19,044,907\\ 5,665,723\\ 6,083,698\\ 14,214,905 \end{array}$	8, 366, 344 9, 983, 632 2, 618, 803 2, 409, 029 4, 401, 111	$egin{array}{c} 8,205,852\ 10,382,277\ 2,045,289\ 2,824,009\ 3,475,702 \end{array}$
Milford Natick New Bedford Newburyport. Newton		$1,749 \\1,347 \\33,343 \\3,349 \\2,154$	1,801 26,566 3,215 2,174	1,157 1,089 23,906 2,418 1,691	1,274 1,042 19,282 2,135 1,472	1,045 15,700 2,083 1,604	578 361 15,896 1,438 791	458 300 13,012 1,171 669	710 9, 516 1, 035 520	74 13 1,828 104 65	17 5 1,049 43 13	40 1,350 97 50	$\begin{array}{r} 8,408,531\\ 7,393,397\\ 210,773,312\\ 20,595,015\\ 15,524,507\end{array}$	$\begin{array}{r} 4,028,492\\ 4,566,253\\ 65,575,005\\ 8,245,008\\ 5,822,853\\ \end{array}$	4, 442, 140 53, 237, 839 6, 931, 049 6, 278, 714
North Adams		5,288 3,446 5,485	5,414 3,150 4,850	3,801 2,119 3,185 2,221 7,156	3, 509 2, 225 5, 128	3, 508 2, 012 4, 270	1,899 1,216 534 570 787	1,620 1,092 356	1, 560 977 518	233 197 152 44 70	159 129 3	346 161 62	$\begin{array}{c} 36,203,767\\17,960,620\\13,848,897\\20,359,242\\52,906,722 \end{array}$	10, 922, 575 8, 580, 730 18, 441, 906	10, 314, 847 6, 998, 992 15, 548, 732
Pittsfield. Plymouth Quincy. Revere Salem.	8,570 2,971 19,653 126 5,672	7,490 2,845 5,783 80 5,294	6, 353 2, 912 5, 492 101 6, 338	6,267 2,299 19,103 110 3,422	5,455 1,873 5,353 71 3,587	4,508 2,124 4,769 98 4,070	2, 124 647 521 15 2, 048	1,973 673 409 9 1,627	1,679 605 560 3 1,985	$ \begin{array}{r} 179 \\ 25 \\ 29 \\ 1 \\ 202 \end{array} $	62 299 21 80	$ \begin{array}{r} 106 \\ 123 \\ 163 \\ 283 \end{array} $	$\begin{array}{c} 41, 613, 356\\ 31, 310, 553\\ 68, 535, 406\\ 767, 294\\ 30, 437, 957\end{array}$	$\begin{array}{c} 22,241,237\\ 13,004,545\\ 12,097,452\\ 349,690\\ 13,652,586\end{array}$	$15,215,202 \\ 11,618,020 \\ 10,505,403 \\ 407,336 \\ 14,576,276$
Saugus. Somervillo. Southbridge. Springfield	5,329 18,429	5,429 4,332 14,240	5,280 4,037 11,855	95 5,569 3,009 13,331	5, 180 2, 736 10, 976	4,841 2,680 8,715	24 476 2,066 4,613	219 1,421 3,136	370 1, 183 2, 726	$7\\66\\254\\485$	30 175 128	69 174 414	1, 157, 215 90, 558, 513 18, 252, 814 98, 332, 955	43, 971, 291 7, 306, 430 44, 428, 854	38,686,527 6,269,131 31,772,815
Taunton. Wakefield. Waltham. Watertown.	1,869 8,069 8,420	7,371 2,008 6,465 4,787	7,407 2,230 6,037 4,335	6,318 1,138 4,995 5,351	5,441 1,241 4,305 3,134	5, 345 1, 200 3, 580 2, 817	2, 322 698 2, 969 2, 912	1,823 747 2,138 1,642	1,820 904 2,369 1,372	341 33 105 157	107 20 22 11	242 36 88 146	48, 330, 638 8, 977, 010 20, 878, 515 47, 297, 519	15,885,812 6,057,659 10,236,912 14,764,326	15,379,821 5,527,102 7,814,178 11,545,555
Webster Westfield. West Springfield. Weymouth		3,246 3,584 2,209 2,074	3,019 3,060 1,991	2,408 2,488 2,482 1,389	2,096 3,026 1,876 1,505	1,879 2,390 1,398	1,097 664 301 637	972 517 332 551	901 594 554	314 91 8 120	178 41 1 18	239 76 39	28, 400, 765 14, 278, 973 12, 386, 556 16, 836, 997	9,233,919 8,420,439 5,039,953 8,251,041	10, 027, 086 7, 361, 528 6, 627, 168
Winchester. Winthrop Woburn. Worcester.	1, 112 61 2, 011 38, 673	1,048 16 1,565 29,452	7 1,653 28,221	985 30 1,705 29,705	952 12 1,463 22,402	7 1, 528 21, 355	$ \begin{array}{r} 122 \\ 31 \\ 284 \\ 7,944 \end{array} $	96 4 98 6,646	111 5,745	5 22 1,024	4 404	14 1, 121	9,697,701 330,234 13,980,185 208,705,773	5, 159, 479 77, 994 5, 517, 806 82, 829, 356	42, 168 5, 408, 081 77, 147, 884

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

MONTH.		NUMBER,1		PER CEN	T OF MA	XIMUM.			NUMBER.1	÷	PER CEN	T OF MA	CIMUM.
MONTH.	1919	1914	1909	1919			MONTH.	1919	1914	1909	1919	1914	1909
January February March April May. June	695,713 677,294 680,825 679,235 689,490 705,382	626, 776 628, 535 633, 583 628, 344 619, 082 611, 928	<i>565,750</i> 572,618 579,519 576,618 576,379 576,055	90. 9 88. 4 88. 9 88. 7 90. 0 92. 1	98.9 99.2 100.0 99.2 97.7 96.6	92, 4 93, 5 94, 6 94, 1 94, 1 94, 0	August September October November	715, 599 726, 537 736, 391 741, 911 751, 909 765, 746	595,609 588,703 589,194 590,992 587,141 <i>580,489</i>	573, 462 581, 008 594, 686 601, 533 604, 466 612, 615	93. 5 94. 9 96. 2 96. 9 98. 2 100. 0	94.0 92.9 93.0 93.3 02.7 91.6	93.6 94.8 97.1 98.2 98.7 100.0

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

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

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

	Aver-	N	UMBER	Employi	ED ON 15	TH DAY	OF THE	MONTH (R NEAR	EST REP	RESENTA	TIVE DA	¥.	Per
INDUSTRY AND CITY.	num- ber em- ployed during year.	Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Sep- tember.	Octo- ber,	Novem- ber.	Decem- ber.	mini- mum is of maxi- mum.
All industries. Males. Females.		695, 713 474, 934 220, 779	677, 294 463, 973 213, 321	680, 825 467, 873 212, 952	679, 235 467, 350 \$11, 885	689,490 474,939 214,551	705, 382 485, 726 219, 656	715, 599 492, 106 223, 493	726, 537 500, 327 226, 210	736, 391 505, 820 230, 571	741,911 509,413 232,498	751, 909 513, 629 238, 230	523,982	88.4 88.5 87.6
Ammunition. Automobile bodies and parts. Belting and hose, rubber Bookbinding and blank-book making. Boot and shoe cut stock.		9,111 3,740 2,827 2,709 4,420	4,398 3,811 2,358 2,765 4,532	2,316 3,820 2,367 2,837 4,527	1, 905 3, 190 2, 159 2, 857 4, 439	1,665 3,243 2,152 2,917 4,491	1,617 <i>3,152</i> <i>2,026</i> 3,006 4,593	1,463 3,218 2,282 2,995 4,783	1,406 3,527 2,579 2,968 4,678	$1,441 \\3,566 \\2,558 \\2,980 \\4,744$	1,418 3,728 2,473 3,011 4,871	$\begin{array}{c}1,323\\3,641\\2,660\\3,090\\4,733\end{array}$	1,325 3,856 2,851 3,097 4,761	14.5 81.7 71.1 87.5 90.7
Boot and shoe findings. Boots and shoes, not including rubber boots and shoes. Boots and shoes, rubber. Boxes, paper and other, not elsewhere specified. Boxes, wooden packing, except cigar boxes.	5,896 80,166 13,002	<i>5,291</i> 77,871 14,308	5,495 78,498 14,413	5,538 78,698 13,767	5,639 77,018 12,834	5,565 77,523 12,209	5,772 77,620 11,755	5,848 79,047 11,835	6,036 80,737 12,042	6,184 81,388 12,136	6,326 82,235 13,031	6,457 84,653 13,979	6,601 86,704 14,435	80.2 88.8 81.4
		4,281 3,219 2,929	4,401 3,162 2,872	4, 493 3, 140	4,570 3,072 2,681 8,259	4,621 3,048 2,605	4,650 3,065 2,688	4,771 3,177	4,725 3,254 2,825	4,751 3,331	5,007 3,398 2,936	5,099 3,422 2,998 9,040	5,163 3,496 3,032	82.9 87.2 85.9
Brass, bronze, and copper products. Bread and other bakery products. Carpets and rugs, other than rag. Cars and general shop construction and repairs by steam-railrond companies.	8,583 3,134 7,724	8,180 2,553 7,781	8,145 2,410 7,917	2,790 8,108 2,504 7,843	2,644	8,414 3,117 7,479	8,653 3,442 7,414	2,756 8,870 3,645 7,645	8,790 3,726 7,512	2,312 8,740 2,853 7,749	8,705 3,491 7,735	3,563	9,026 3,660 8,101	89.7 64.7 91.5
Chemicals. Chemicals. Checolate and cocca products. Clothing, men's. Confectionery and ice cream.	2,483 2,007 6,856 6,271 11,585	2,526 1,969 5,088 5,236 10,708	2,415 2,020 5,292 5,771 11,506	2, <i>529</i> 2, 080 5, 462 6, 123 11, 783	2,346 2,030 6,642 6,349 11,456	2,367 1,844 6,863 6,521 11,132	2,371 1,870 6,966 6,499 10,826	2,431 2,127 7,253 6,289 10,733	2,463 2,053 7,530 6,284 11,982	2,530 2,144 7,715 6,588 12,103	2,623 2,111 7,722 6,773 12,593	2,666 1,949 7,823 6,524 12,428	2,729 1,887 7,916 6,295 11,770	85.3 80.0 64.3 77.3 85.0
Cordage and twine Cotton goods Cutlery and edge tools. Dyeing and finishing textiles, exclusive of that done	2,743 122,499 3,988	2,574 122,627 3,698	2,731 118,686 3,818	2,948 118,567 3,882	2,853 118,106 3,917	2,758 119,922 3,962	2,766 122,886 3,991	2,756 124,315 4,024	2, 765 123, 798 <i>3, 599</i>	2,693 125,211 4,018	2,685 123,281 4,153	2,667 125,572 4,337	2,720 127,017 4,457	87.3 93.0 80.7
in textile mills Electrical machinery, apparatus, and supplies	23,889	12,043 22,102 2,483	10,908 22,543 2,441	10,800 21,716 2,420	10,860 21,582 2,383	11,508 22,019 2,294	12,264 22,353 2,283	12,850 23,219 2,214	13,077 24,362 2,360	13,148 25,256 2,440	12, 854 26, 294 2, 558	13,609 27,198 2,664	13,931 28,024 2,776	77.5 77.0 79.8
Firearms. Foundry and machine-shop products Furniture. Gas, illuminating and heating	$\begin{array}{c c} 2,253 \\ 27,712 \\ 6,342 \\ 2,654 \end{array}$	1,580 27,308 5,560 2,739	2,441 1,764 26,517 5,590 2,729	2,420 2,124 26,196 5,781 2,680	2,385 26,135 5,854 2,686	2,294 2,498 \$5,901 5,969 2,726	2,570 26,454 5,964 2,687	2,214 2,312 27,019 6,347 2,696	2,360 2,351 27,922 6,580 2,656	2,440 2,363 28,079 6,804 2,424	2,558 2,397 29,172 7,017 2,606	2,435 30,578 7,236 2,581	2, 451 31, 263 7, 402 2, 638	53.9 82.8 75.1 88.5
Iron and steel, steel works and rolling mills. Iron and steel, forgings, not made in steel works or rolling mills. Jewelry. Knit goods.	3,684 2,172 6,786 12,751	3,825 2,067 <i>5,806</i> 12,722	3,599 2,024 6,003 12,501	3,385 2,050 6,202 12,484	<i>3, 221</i> 2,068 6,222 12,402	3,390 2,032 6,439 11,970	3,407 2,061 6,624 12,117	3,673 2,119 7,075 12,432	3,786 2,200 7,123 12,603	3,940 2,193 7,244 12,954	3,991 2,321 7,380 13,353	3,962 2,438 7,001 13,499	4,029 2,491 7,713 13,975	79.9 81.3 75.3 85.7
Teether tenned curried and finished	15 100	13,878 2,021 6,915	13,861	13, 598 1, 972	13, 658 2, 054	14, 375 2, 080 6, 032	15,195 1,993 6,045	13, 241 2, 286 5, 858	16, 355 2, 392 6, 131	16,736 2,445 6,315	16,791 2,546 6,704	17, 093 2, 577 6, 974	17, 379 2, 614	76.2
Learber, Janing-mill products, not including plan- ing mills connected with sawinlis. Machine tools. Motorcycles, bicycles, and parts. Mysical instruments, planos.		3,019 1,885	6,626 3,047 1,952	6,497 2,984 2,060	6,258 3,066 2,167	3, 081 2, 276	2,980 2,283	2,969 2,338	2,924 2,301	2,794	2,928 2,349	3,080	7,297 3,128 2,394	80.3 89.3 78.7
Optical goods. Paper and wood pulp. Printing and publishing, book and job. Printing and publishing, newspapers and periodicals Pumps, steam.	4,082 12,960 7,634 5,885 2,280	3,980 12,651 7,141 5,650 2,881	4,087 11,971 7,258 5,700 2,730	3,789 12,432 7,423 5,709 2,707	3,907 12,220 7,573 5,833 2,592	3,954 12,192 7,589 5,922 2,247	4,143 12,643 7,608 5,884 2,054	<i>3,683</i> 12,949 7,544 5,859 <i>1,959</i>	4,206 13,020 7,531 5,828 2,013	4,218 13,575 7,705 5,944 2,024	4,289 13,845 7,901 6,085 2,031	4,355 13,929 8,118 6,101 2,065	4, 373 14, 093 8, 217 6, 105 2, 057	84.2 84.9 86.9 92.5 68.0
Rubber tires, tubes, and rubber goods, not else- where specified. Silk goods, including throwstors. Slaughtering and meat packing. Stationery goods, not elsewhere specified	9,400 5,697 4,807 3,305	7,728 4,665 5,354 3,125	7,959 4,618 5,319 3,133	8,842 4,760 5,165 3,132	9,517 5,083 4,608 <i>3,0</i> 77	9, 532 5, 388 4, 453 3, 257	9,212 5,482 4,624 3,205	9,353 5,900 4,741 3,252	9,586 6,140 4,523 3,271	9,692 6,410 4,232 3,417	6,512 3,655 3,558	6,629 1, <i>501</i> 3,605	6,777 3,509 3,628	71.5 68.1 28.0 84.8
apparatus Suspenders, garters, and elastic woven goods Textile machinery and parts. Tobacco, elgars and elgarettes. Tools, not elsewhere specified. Wire.	2 065	3, 492 2, 766 16, 740 3, 324 7, 169 5, 201	3, 501 2, 783 16, 181 3, 412 7, 226 5, 105	3,630 2,758 15,737 3,354 7,354 5,089	3,520 2,791 15,399 2,860 7,204 4,970	3, 443 2, 781 15, 780 3, 102 7, 123 4, 935	3,142 2,839 16,706 3,170 7,085 4,910	<i>s, 121</i> 3, 000 17, 739 <i>1, 382</i> 7, 128 4, 960	3, 424 3, 027 18, 226 1, 744 7, 119 5, 050	3,518 3,108 19,082 3,095 7,157 5,238	3,713 3,220 19,297 3,255 7,241 5,372	3,846 3,275 18,816 3,315 7,381 5,701	3,902 3,282 19,253 3,339 7,525 5,905	80.0 83.3 79.8 40.5 94.2 83.1
Woolen goods Worsted goods All other industries		13, 873 31, 702 128, 866		13, 532 27, 852 128, 689	J	17, 631 32, 735 128, 418		19,747 41,786 130, 579	19,859 41,570 129,998	20, 235 42, 532 129, 437	19, 572 40, 416 130, 207	19,646 40,985	18, 533 43, 872 130, 168	62.0 54.1 97.7
Industries showing large proportion of females.				. 	1,190	1 040	1, 023	934	897	915	918	848	840	14.6
Ammunition Bookbinding and blank-book making Boot and shoe cut stock Boot and shoe findings Boots and shoes, not including rubber boots and shoes.	1,553 1,473 1,138. 2,079 29,977	5,744 1,845 1,122 1,918 29,309	2,830 1,402 1,164 2,010 29,429	1,448 1,429 1,155 2,024 29,505	1, 150 1, 461 1, 096 2, 045 28, 616	1,049 1,488 1,086 2,020 28,740	1,513 1,088 2,029 28,508	1,535	1,467 1,193 2,133 30,247	1,496 1,110 2,166 30,434	1,501 1,161 2,179 30,917	1, 515 1, 160 2, 196 32, 044	1,524 1,148 2,178 32,770	87.6 91.0 87.1 87.0
Boots and shoes, rubbar. Boxes, paper and other, not elsewhere specified Bread and other bakery products. Carpots and rugs, other than rag. Chocolate and cocca products.	. 5,409	6,023 2,791 2,217 1,079 597	6,168 2,882 2,196 965 643	5,842 2,909 2,156 1,027 634	5,408 2,977 2,221 1,066 602	5,053 3,013 2,266 1,285 543	4,684 3,045 2,404 1,429 504	4,750 8,115 2,518 1,542 697	4,841 3,042 2,450 1,543 576	4,925 3,047 2,421 1,372 630	5,425 3,213 2,424 1,552 626	5, 854 3, 293 2, 504 1, 553 595	5,935 3,285 2,527 1,633 517	75. 9 84. 8 84. 5 59. 0 72. 3
Clothing, men's. Clothing, women's. Confectionery and ice cream. Cotton goods. Cutlery and edge tools.		2,867 4,137 7,404 57,206 1,168	2,879 4,599 7,957 55,113 1,214	2,913 4,871 8,171 54,715 1,238	3,766 5,087 7,844 <i>54,516</i> 1,259	3,876 5,240 7,463 55,213 1,260	3,942 5,277 7,128 56,852 1,261	4, 134 5, 089 <i>6, 965</i> 57, 418 1, 258	4,314 4,985 7,871 57,014 971	4, 353 5, 257 7, 918 57, 720 1, 424	4,379 5,424 8,420 56,278 1,440	4,449 5,186 8,328 57,974 1,534	4,508 5,040 7,965 58,509 1,585	63. 6 76. 3 82. 7 32. 9 61. 3

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

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

	Aver- age	I I	NUMBER	EMPLOYI	ed on 1	5TH DAY	OF THE	MONTH (OR NEAR	EST REP	RESENTA	TIVE DAY	r.	Percent
INDUSTRY AND CITY.	num- ber em- ployed during year.		Febru- ary.	March.	April.	Мау.	June.	July.	August	Sep- tember	Octo- ber.	Novem ber.	- Decem- ber.	mini- mum is of maxi- mum.
Dyeing and finishing textiles, exclusive of that done in textile mills. Electrical machinery, apparatus, and supplies. Furnitre. Jewelry.	. 2,884 . 5,994	2, 794 5, 669 594 2, 107		2, 631 5, 507 579 2, 216	2,611 5,303 605 2,230	2, 693 5, 378 631 2, 296	2, 854 5, 501 631 2, 332	2, 949 5, 730 677 2, 602	675	3, 038 6, 393 695 2, 639	6,707	3, 200 6, 958 771 2, 763	3,290 6,968 801 2,819	79.4 76.1 70.5 74.7
Knit goods. Leather, tanned, ourried, and finished Optical goods. Paper and wood pulp. Printing and publishing, book and job	1,271	9,072 1,291 1,864 3,342 1,978	\$,157	8, 875 1, 107 1, 733 3, 297 2, 056	8, 774 1, 129 1, 788 3, 183 2, 100	8,502 1,209 1,798 3,218 2,056	8,613 1,261 1,877 3,336 2,060	8, 808 953 1, 586 3, 416 1, 999	8,988 1,393 1,867 3,393 1,067	9,220 1,387 1,876 3,571 2,022	9, 521 1, 409 1, 936 3, 558 2, 099	9, 581 1, 459 1, 986 3, 648 2, 175	9,926 1,472 1,960 3,597 2,170	85.7 64.7 70.9 86.5 90.4
Printing and publishing, newspapers and periodicals Rubber tires, tubes, and rubber goods, not else- where specified. Silk goods, including throwsters	1,354 3,668 2,017 2,012	815 1, 222 <i>3, 037</i> 1, 872 1, 862	829 1,198 3,040 1,872 1,843	845 1, 290 3, 124 1, 866 1, 844	826 1, 269 3, 344 <i>1, 85</i> 7 1, 895	832 1,264 3,570 2,021 1,883	828 1,304 3,710 1,966 1,929	817 1, 361 3, 882 2, 007 2, 040	818 1,345 3,995 2,030 2,044	853 1, 396 4, 053 2, 148 2, 100	872 1,496 4,038 2,171 2,208	871 1,554 4,074 2,212 2,261	856 1,540 4,149 2,182 2,235	93. 1 77. 1 73. 2 84. 0 81, 5
Textile machinery and parts	1,017	1, 054	1,005	1,008	955	967	994	997	1,002	993	1, 048	1, 093	1,088	87.4
Tobacco, cigars and cigarettes	787	812	858	853	668	758	765	<i>455</i>	566	867	913	947	982	46.3
Tools, not elsewhere specified.	853	889	883	954	905	881	853	821	780	795	803	840	832	81.8
Woolen goods	5,341	4, 478	<i>\$,967</i>	4,134	4, 809	5,361	5,776	5, 970	6,048	6,166	5, 898	5, 927	5,468	64.3
Worsted goods.	16,558	13, 894	11,31\$	12,951	13, 344	15,228	18,033	18, 882	18,733	19,336	18, 343	18, 676	19,964	56.7
Total for cities Males Females		595, 839 403, 437 192, 402	578, 499 393, 240 185, 253	581, 502 396, 805 184, 697	579,290 395,735 183,655	401,491	601, 508 410, 973 190, 535	609, 857 416, 047 193, 810	423,707	629, 229 428, 446 200, 783	634, 252 431, 622 202, 630	042, 833 434, 944 207, 889	655, 881 444, 819 211, 062	88.2 88.4 87.0
Адамs. Males. Females.	2,472 1,502	3,889 2,345 1,544	3,866 2,345 1,521	3, 893 2, 402 1, 491	4,027 2,496 1,531	4,022 2,493 1,529	4,027 2,525 1,502	4,004 2,488 1,516	3,524 2,238 1,286	4,079 2,558 1,521	4,078 2,549 1,529	4,094 2,577 1,517	4,185 2,648 1,537	84.2 84.5 83.3
AMESBURY.	3,173	3,246	3,283	3, 204	2,710	2,875	2,896	2,990	3,244	3, 241	3, 335	3, 397	3, 565	76.0
Malcs.	2,734	2,837	2,839	2, 862	2,319	2,465	2,482	2,552	2,809	2, 777	2, 854	2, 933	3, 079	75.3
Females.	439	409	444	432	391	410	414	438	435	464	481	404	486	80.5
ARLINGTON	228	208	220	$227 \\ 203 \\ 24$	228	239	234	236	233	223	211	237	240	86.7
Males	204	185	196		205	215	210	212	209	197	187	213	216	85.6
Females	24	28	24		<i>\$</i> 3	24	24	24	24	26	24	24	24	88.5
ATTLEBORO.	6,783	5,842	5,988	6, 142	6, 292	6, 496	0,638	${0,887 \atop 5,045 \atop 1,842}$	6,997	7,180	7, 399	7, 567	7,719	75.7
Males.	4,946	4,268	4,380	4, 445	4, 555	4, 719	4,846		5,132	5,288	5, 446	5, 566	5,662	75.4
Females.	1,817	1,574	1,608	1, 697	1, 787	1, 777	1,792		1,865	1,901	1, 953	2, 001	2,057	76.5
BELMONT.	93	104	52	58	97	102	103	97	98	09	98	102	108	40. 1
Males.	82	94	42	47	87	92	90	86	85	89	88	91	03	44. 7
Females.	11	10	10	11	10	10	13	11	13	10	10	11	13	76. 9
BEVERLY Males. Females.	6,495 5,333 1,162	5,654 <i>4,849</i> 1,305	$5,794 \\ 4,491 \\ 1,303$	$5,615 \\ 4,374 \\ 1,241$	5,699 4,512 1,187	5,772 4,700 1,072	6, 305 5, 227 1, 078	6,582 5,474 1,108	6, 850 5, 760 1, 090	6, 947 5, 883 1, 064	7, 312 6, 203 1, 109	$7,644 \\ 6,482 \\ 1,162$	7,766 6,541 1,225	72.3 66.5 81.5
Boston	88, 759	86,708	88, 327	88, 442	87, 560	87, 628	85, 220	85, 413	86, 843	90, 068	92, 087	93, 290	93, 522	91. 1
Males.	58, 974	58,184	58, 388	58, 384	58, 120	58, 374	57, 322	57, 466	58, 078	59, 734	60, 439	61, 279	61, 920	92. 6
Females	29, 785	28,524	29, 939	30, 058	29, 440	29, 254	27, 898	27, 947	28, 765	30, 334	31, 648	32, 011	31, 602	87. 2
BRAINTREE	2,176	2,085	$2,114 \\ 1,487 \\ 627$	2, 152	2,017	2,110	2, 088	2, 162	2,280	2,242	2,200	2,276	2, 386	84.5
Males.	1,521	1,490		1, 526	1,456	1,502	1, 442	1, 530	1,572	1,556	1,521	1,553	1, 617	89.2
Females.	655	595		626	561	608	646	632	708	686	679	723	769	73.0
BROCKTON	18,059	17,156	17,765	17, 599	17,752	17, 331	17, 924	18, 336	18, 784	18, 117	18, 373	18,635	18,936	90. 6
Males.	12,210	11,587	11,966	11, 890	11,991	11, 753	12, 163	12, 404	12, 050	12, 238	12, 480	12,609	12,789	90. 6
Females.	5,849	5,569	5,799	5, 709	5,761	5, 578	5, 761	5, 932	6, 134	5, 879	5, 893	6,026	6,147	90. 6
BROOKLINE	484	822	782	559	430	36 <u>4</u>	<i>560</i>	367	372	387	435	444	486	43.8
Males.	260	270	269	274	257	260	250	<i>249</i>	249	252	256	261	273	90.9
Females	224	552	513	285	173	<i>10</i> 4	110	118	123	135	179	183	213	18.8
CAMBRIDGE	22, 550	21,782	21,132	21, 123	21,038	21, 569	21, 641	22,288	22, 988	23, 489	24,011	24,781	24, 758	84. 9
Males	15, 227	14,419	14,046	14, 163	14,084	14, 524	14, 579	15,133	15, 750	16, 173	16,356	16,844	16, 653	83. 4
Females	7, 323	7,363	7,086	6, 960	6,954	7, 045	7, 062	7,155	7, 238	7, 316	7,655	7,037	8, 105	85. 8
CHELSEA	6,580	6,615	6,408	6, 435	6, 321	6, 249	6, 483	6,559	6, 919	6, 641	6,636	6, 783	6,911	90.3
Males	4,693	4,680	4,516	4, 569	4, 466	4, 415	4, 550	4,021	4, 954	4, 797	4,822	4, 915	5,011	88.1
Females	1,887	1,935	1,892	1, 866	1, 855	1, 834	1, 933	1,938	1, 965	1, 844	1,814	1, 868	1,900	92.3
CHICOPEE	10,068	9,980	9, 736	9, 913	9,961	10,029	9, <i>634</i>	9,636	9, 640	9, 980	10,451	10, 813	1, 043	87. 2
Males	7,809	7,709	7, 516	7, 653	7,806	7,826	7,446	7,418	7, <i>599</i>	7, 640	8,114	8, 405	8, 776	84. 3
Females	2,259	2,271	2, 220	2, 260	2,155	2,203	2,188	2,218	2, 241	2, 340	2,337	2, 408	2, 267	89. 5
CLINTON Males. Females	4, 155 2, 543 1, 612	3,902 2,397 1,505	3,847 2,395 1,452	3, 866 <i>2, 895</i> 1, 471	3, 934 2, 419 1, 515	4,039 2,477 1,562	4, 247 2, 660 1, 581	4,283 2,606 1,677	4, 342 2, 638 1, 704	4, 334 2, 623 1, 711	4, 265 2, 581 1, 684	4,360 2,649	2,207 4,441 2,670 1,771	86.6 89.7 82.0
DANVERS. Males. Females.	1, 474 993 481	1,513 1,029 484	1, 515 1, 016 499	1, 474 984 490	1, 442 <i>956</i> 486	1,480 956 474	1, 487 995 492	1,482 090 483	1,475 997 478	1,460 979 481	1, 457 974	1,711 1,481 1,010	1,472 1,021	94. 4 92. 9
DEDHAM Males Females	463 286 177	87£ 253 119	376 247 129	387 251 136	399 243 156	427 265 162	462 282 180	503 297 206	542 327 215	532 327	483 507 305	471 514 309	451 535 326	90.4 68.6 74.3
EASTHAMPTON Males Females	4, 142 2, 528 1, 614	3,918 2,557 1,561	3,968 2,400 1,568	4,036 2,479 1,557	4, 041 2, 487 1, 554	4,060 2,497 1,563	4, 126 2, 526 1, 600	4, 211 2, 555 1, 656	215 4, 235 2, 602 1, 633	205 4, 221 2, 558 1, 663	202 4,253 2,633 1,620	205 4,276 2,584 1,692	209 4,359 2,658 1,701	55, 3 89, 9 88, 7 91, 4

TABLE S .- WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919-Continued

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

	Aver- age	N	UMBER 1	EMPLOYE	d on 15	TH DAY	OF THE :	MONTH C	R NEAR	EST REPI	RESENTA	TIVE DA	r .	Per
INDUSTRY AND CITY.	num- ber em- ployed during year.	Janu- ary.	Febru- ary,	March.	April.	May.	June.	July.	August.	Sep- tember.	Octo- ber.	Novem- ber.	Decem- ber.	mini- mum is of maxi- mum.
EVERETT.	4, 523	4, 536	4,373	4,276	4, 155	4,147	4, 211	4, 509	4,651	4,753	4,874	4, 830	4,961	83, 6
Males.	3, 854	3, 850	3,725	3,636	3, 560	8,552	3, 606	3, 827	3,937	4,042	4,161	4, 112	4,240	83, 8
Females.	669	686	648	640	<i>595</i>	595	605	682	714	711	713	718	721	82, 5
FALL RIVER.	37, 015	36, 958	36, 280	\$5,909	36, 288	36, 825	36, 915	37, 145	37, 073	37, 460	37,415	38, 065	$37,847 \\ 21,012 \\ 16,835$	94. 3
Males.	20, 374	20, 269	19, 857	19,739	19, 879	20, 211	20, 287	20, 382	20, 385	20, 695	20,679	21, 093		93. 6
Females.	16, 641	16, 689	16, 423	16,170	16, 409	16, 614	16, 628	16, 763	16, 688	16, 705	16,736	16, 972		95. 3
Frichburg	9,907	$10, 107 \\ 7, 218 \\ 2, 889$	9, 826	9,409	9, 733	9, 843	9, 813	9, 740	9,781	9,918	9,957	10,223	10, 534	89.3
Males	6,911		6, 977	6,735	6, 918	6, 925	6, 832	<i>6,679</i>	6,708	6,808	6,858	7,021	7, 253	92.1
Females	2,996		2, 849	2,674	2, 815	2, 918	2, 981	3, 061	3,073	3,110	3,099	3,202	3, 281	81.5
FRAMINGHAM	4, 362 2, 814 1, 548	<i>\$,549 2,169</i> 1,350	$3,591 \\ 2,224 \\ 1,367$	3,738 2,337 1,401	3,789 2,380 1,409	3,896 2,531 1, <i>865</i>	4,110 2,638 1,472	4,292 2,709 1,583	$4,660 \\ 3,045 \\ 1,615$	4,821 3,207 1,614	$5,102 \\ 3,406 \\ 1,696$	5,239 3,501 1,738	5,557 3,621 1,936	63.9 59.9 70.5
GARDNER.	4,036	3,713	3,641	3,639	8,638	$ \begin{array}{r} 3,662 \\ 3,000 \\ 662 \end{array} $	3, 846	4,020	4,185	4, 319	4,451	4, 595	4,723	77.0
Malos.	3,289	3,087	3,040	3,026	2,996		3, 159	3,230	3,363	3, 486	3,585	3, 695	3,801	78.8
Females.	747	626	<i>601</i>	613	642		687	790	822	833	866	900	922	65.2
GLOUCESTER	2,684	2,731	2,642	2,606	2,531	2,589	2,667	2,674	2,551	2,701	2,670	2, 823	3, 023	83.7
	1,967	2,074	1,983	1,911	1,842	1,887	1,975	1,984	1,796	1,957	1,927	2, 086	2, 182	82.3
	717	<i>65</i> 7	659	695	689	702	692	690	755	744	743	737	841	78.1
GREENFIELD	2,750	2, 782	2,722	2,693	2,610	2,583	2, 592	2,569	2,600	2,701	2,910	3,113	3, 125	$\begin{array}{c} 82.\ 2\\ 81.\ 2\\ 85.\ 3\end{array}$
Malos	2,259	2, 205	2,201	2,182	2,153	2,129	2, 137	2,113	2,134	2,207	2,404	2,581	2, 602	
Fomales.	491	517	521	511	457	<i>45</i> 4	455	456	466	494	506	532	523	
HAVERHILL. Males Females.	$15,783 \\ 10,314 \\ 5,469$	$15,454 \\ 9,942 \\ 5,512$	$15,229 \\ 9,844 \\ 5,385$	15, 795 10, 335 5, 460	$15,499 \\ 10,236 \\ 5,263$	$15,101 \\ 9,895 \\ 5,206$	$\begin{smallmatrix} 14,963\\9,941\\5,022 \end{smallmatrix}$	14,198 9,449 4,749	14, 771 9, 775 4, 996	15, 845 10, 487 5, 358	16, 923 10, 829 6, 094	$17,529 \\ 11,346 \\ 6,183$	18,089 11,689 6,400	78.5 80.8 74.2
HOLYOKE	17,773	17,481	16,085	16,959	16,872	17,120	17, 594	17,899	17, 930	18, 418	18, 567	18,829	18,922	88.2
	10,234	10,178	9,588	9,781	9,723	9,713	10, 045	10,210	10, 335	10, 589	10, 768	10,891	10,987	87.3
	7,539	7,303	7,097	7,178	7,149	7,407	7, 549	7,689	7, 595	7, 829	7, 799	7,938	7,935	89.4
LAWRENCE.	30, 319	28, 380	18,269	22, 491	22, 229	25,967	34, 144	35,674	35, 532	36, 078	33, 583	34, 398	37, 083	49.3
Males	18, 636	18, 093	11,287	13, 871	13, 790	16,151	20, 887	21,846	21, 783	21, 970	20, 487	20, 978	22, 489	50.2
Fomales.	11, 683	10, 287	6,982	8, 620	8, 439	9,810	13, 257	13,828	13, 749	14, 108	13, 096	13, 420	14, 594	47.8
LEOMINSTER	5,793	5,507	5,447	5,622	5,678	5,731	5,768	5,097	5, 712	5, 889	5, 995	6,190	6, 480	81.9
	3,715	5,506	3,402	3,543	3,642	3,694	3,767	3,719	3, 731	3, 809	3, 831	3,978	4, 158	79.5
	2,078	2,001	2,045	2,079	2,036	2,037	2,001	1,978	1, 981	2, 080	2, 164	2,212	2, 322	85.2
Lowell.	30,111	34, 851	29, 736	27,896	27, 949	$28,304 \\ 16,151 \\ 12,153$	20, 718	29,868	29, 772	30, 658	31,202	30, 486	30, 892	80.0
Males.	17,024	18, 339	16, 533	15,864	<i>15, 830</i>		17, 037	17,137	17, 214	17, 674	17,919	17, 152	17, 438	86.3
Females.	13,087	16, 512	13, 203	12,032	12, 119		12, 681	12,731	12, 558	12, 984	13,283	13, 334	13, 454	72.9
Lynn .	27, 355	26, 058	26, 396	25, 887	25,531	25, 592	26, 322	27,080	28, 095	28, 546	28, 882	29,462	30, 409	84.0
Males	19, 042	18, 002	18, 319	17, 847	17,958	17, 998	18, 387	18,098	19, 482	19, 680	20, 191	20,350	21, 292	83.8
Females.	8, 313	8, 056	8, 077	8, 040	7,573	7, 594	7, 935	8,082	8, 613	8, 866	8, 691	9,112	9, 117	83.1
MALDEN	4, 723	4, 966	5, 027	4, 830	4, 529	4, 449	4,338	4,459	4, 496	4, 560	4, 820	5,033	5,169	83.9
Males	2, 033	2, 747	2, 739	2, 658	2, 482	2, 446	2,422	2,494	2, 515	2, 545	2, 712	2,845	2,991	81.0
Fomalos.	2, 090	2, 219	2, 288	2, 172	2, 047	2, 003	1,910	1,965	1, 981	2, 015	2, 108	2,188	2,178	83.7
MARLBOROUGH. Males. Females.	3, 798 2, 510 1, 288	3, 808 2, 482 1, 326	$3,691 \\ 2,432 \\ 1,259$	3, 545 2, 382 1, 163	3,466 2,314 1,152	3,659 2,433 1,226	3,780 2,497 1,283	$3,882 \\ 2,562 \\ 1,320$	$3,852 \\ 2,548 \\ 1,304$	3, 926 2, 624 1, 302	3, 943 2, 604 1, 339	3, 987 2, 616 1, 371	4,037 2,626 1,411	85.9 88.1 81.6
MEDFORD. Males. Females.	1, 031 706 325	<i>922</i> 629 293	958 646 312	997 687 310	1,028 705 323	981 689 292	952 675 277	097 688 309	989 687 302	1,020 710 310	1, 080 731 355	$1,182 \\ 784 \\ 398$	1,260 841 419	$\begin{array}{c} 73.2 \\ 74.8 \\ 66.1 \end{array}$
MelROSE	1,600	1,787	1,785	1,734	1, 574	1,550	1,477	1,469	1,465	1, 480	1, 567	1,672	1,722	81.6
Males	720	917	881	820	694	662	640	611	623	630	670	720	772	66.6
Fomalos	886	870	904	914	880	888	837	848	842	850	897	952	950	87.9
METHUEN	1,040	2, 588	2,149	2,301	2,346	2, 457	2, 574	2,649	2,664	2,722	2, 772	2,800	2,830	75.9
Males		1, 041	842	918	934	987	1, 045	1,067	1,102	1,107	1, 128	1,144	1,165	72.3
Females.		1, 547	1,307	1,383	1,412	1, 470	1, 529	1,582	1,562	1,615	1, 644	1,656	1,665	78.5
MLFORD. Males. Females.	1,198	$1,812 \\ 1,161 \\ 651$	1, 781 1, 108 673	1,828 1,147 681	$[\begin{array}{c} 1,740 \\ 1,098 \\ 642 \end{array}]$	1,671 1,094 577	1,690 1,134 556	1,684 1,153 <i>531</i>	1,733 1,109 534	1,772 1,215 557	$1,900 \\ 1,284 \\ 610$	$1,965 \\ 1,341 \\ 624$	2, 132 1, 442 690	78.4 75.9 77.0
NATICK Males Females	1,099	1,196 917 279	$1,274 \\ 975 \\ 299$	1,305 980 325	1,334 1,001 333	1, 413 1, 056 357	1,489 1,102 387	1,511 1,115 396	1,528 1,133 395	$1,558 \\ 1,171 \\ 387$	1,590 1,185 405	1,668 1,260 408	1,690 1,293 397	70.8 70.9 68.4
NEW BEDFORD. Males. Females.	41,630	40, 821 24, 074 16, 747	40, 152 23, 609 16, 543	40, 403 23, 757 16, 646	39,852 23,549 16,303	40, 739 24, 168 16, 571	$41,260 \\ 24,476 \\ 16,784$	42,852 25,255 17,097	42, 102 25, 239 16, 863	42, 854 25, 629 17, 225	42, 246 25, 530 16, 716	42, 582 25, 492 17, 090	44, 197 26, 498 17, 699	90. 2 88. 9 92. 1
NEWBURYPORT. Malos. Femalos.	3,960 2,460	3,899 2,398 1,501	3, 932 2, <i>392</i> 1, 540	4, 021 2, 450 1, 571	4,044 2,498 1,546	3, 981 2, 511 1, 470	3,960 2,463 1,497	$3,942 \\ 2,454 \\ 1,488$	3,842 2,418 1,424	3,886 2,462 1,424	3,954 2,451 1,503	4,023 2,511 1,512	4, 036 2, 512 1, 524	95.0 95.2 90.6
Newton	2,547	2,372	2, 368	2, 319	2, 344	2, 346	2,474	2,599	2,700	2,751	2,755	2,759	2,777	83.5
Males		1,651	1, 639	1, 574	1, 600	1, 603	1,671	1,742	1,819	1,861	1,849	1,854	1,885	83.5
Females.		721	729	745	744	743	803	857	881	890	906	905	892	79.6
North Adams. Males Fémales.	6,023 4,020	5,932 3,964 1,968	5, 681 3, 768	5,675 3,789	5, 788 3, 845 1, 943	5,451 3,615 1,836	6,013 3,993 2,020	6,139 4,068 2,071	6,223 4,158 2,065	6,225 4,166 2,059	6,230 4,173 2,057	6,420 4,331 2,089	6, 499 4, 370 2, 129	83.9 82.7 86.2

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

1

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

	Aver- age		NUMBER	ÉMPLOYI	ed on 1	этн дах	OF THE	MONTH	OR NEAR	EST REP	RESENTA	TIVE DA	¥.	Percent
INDUSTRY AND CITY.	num- ber em- ployed during year.	Janu-	Febru- ary.	March.	April.	May.	June.	July.	August.	Sep- tember.	Octo- ber.	Novem- ber.	Decom- ber.	mini- mum is of maxi- mum.
NORTHAMPTON. Males. Females.	3, 532 2, 231 1, 301	3,274 2,068 1,206	3,350 2,109 1,241	3, 843 2, 101 1, 242	3, 389 2, 140 1, 249	3, 496 2, 214 1, 282	$3,400 \\ 2,147 \\ 1,253$	3,587 2,281 1,306	3,655 2,348 1,307	3,604 2,303 1,301	$3,732 \\ 2,346 \\ 1,386$	3,757 2,358 1,399	3, 797 2, 357 1, 440	86. 2 87. 7 83. 8
NORTHBRIDGE	3, 871	3,713	3,711	8,603	3,613	3,650	3, 780	3,917	3, 927	3,977	$\begin{array}{r} 4,094 \\ 3,470 \\ 624 \end{array}$	4,208	4,259	84.6
Males	3, 273	3,054	3,091	8,039	3,054	3,101	3, 207	3,361	3, 345	3,394		3,550	3,610	84.2
Females	598	659	620	564	559	<i>549</i>	573	556	582	583		658	649	83.3
NORWOOD	2, 835	2,512	2,565	2, 575	2, 616	2,670	2, 711	2,865	3,020	3,080	3, 113	3,134	3, 159	79, 5
Males.	2, 250	2,014	2,048	2, 081	2, 093	2,111	2, 138	2,271	2,371	2,449	2, 465	2,469	2, 490	80, 9
Fomales.	585	498	517	<i>494</i>	523	559	573	594	649	631	648	665	669	73, 8
PEABODY.	8,013	7,503	7,497	7,488	7,396	7,707	8, 011	8,050	8,468	8, 559	8,212	8,664	8,801	83.0
Males.	7,206	6,511	6,699	6,692	6,611	6,907	7, 171	7,224	7,643	7, 740	7,587	7,764	7,923	82.2
Females.	807	792	798	796	785	800	840	826	825	819	<i>685</i>	900	878	69.4
Privispield.		6,756	7,618	7,669	8,069	8, 367	8, 312	8, 568	8, 819	9, 128	9,442	9, 834	10, 258	65.9
Males.		5,072	5,772	5,766	6,065	6, 170	6, 158	6, 349	6, 469	6, 621	6,822	7, 174	7, 522	67,4
Fomales.		1,684	1,846	1,903	2,004	2, 197	2, 154	2, 219	2, 350	2, 507	2,620	2, 660	2, 736	61.5
PLYMOUTH	2,971	2,515	2,562	2,997	2,887	2, 854	2,994	3, 135	3, 165	3, 136	3,075	3,107	3, 225	78.0
Males	2,315	1,946	2,025	2,395	2,288	2, 209	2,336	2, 412	2, 448	2, 412	2,443	2,402	2, 464	79.0
Females	656	569	<i>53</i> 7	602	599	645	658	723	717	724	632	705	761	70.6
QUINCY		21,143	21,755	22,979	22,048	22, 128	21, 605	21, 162	20, 162	18,611	17,059	14, 518	12,666	55. 1
Males.		20,678	21,292	22,492	21,533	21, 626	21, 058	20, 625	19, 599	18,071	16,488	13, 922	12,080	53. 7
Females.		465	<i>463</i>	487	515	502	547	537	563	540	571	596	580	77. 7
REVERE. Males. Females.	126 111 15	127 117 10	126 116 <i>10</i>	$112 \\ 100 \\ 12$	89 77 12	101 85 16	121 99 22	133 121 12	134 112 22	136 118 18	$124 \\ 112 \\ 12 \\ 12$	$ \begin{array}{r} 148 \\ 136 \\ 12 \end{array} $	161 139 22	55.8 55.4 45.5
SALEM	5,672	5,575	5, 494	5, 250	5,242	4, 894	5, 479	5,806	6, 102	6, 162	5,147	6, 390	6, 523	75.0
Males.	3,521	3,435	3, 382	3, 229	3,264	3, 043	3, 380	3,553	3, 740	3, 782	3,440	3, 940	4, 064	71.9
Females.	2,151	2,140	2, 112	2, 021	1,978	1, 851	2, 099	2,253	2, 362	2, 380	1,707	2, 450	2, 459	69.4
SAUGUS	126	87	90	81	00	89	92	135	160	$ \begin{array}{c} 150\\ .120\\ .30 \end{array} $	187	193	182	34.2
Males	97	57	60	59	45	63	65	102	125		155	102	151	27.8
Females	29	30	30	22	21	26	27	33	35		32	31	31	60.0
Somerville.	6,111	6,833	6,853	6, 783	6,338	6, 249	6,381	6, 517	6,342	6, 132	5,635	3,764	5, 505	54.9
Males.	5,614	6,290	6,358	6, 276	5,841	5, 774	5,902	6, 021	5,877	5, 655	5,132	3,286	4, 958	51.7
Females.	497	543	495	507	497	475	479	498	<i>465</i>	477	503	478	549	84.7
SOUTHERIDGE	5, 329	5,117	5,207	4,935	5,022	5,072	5, 409	5,181	5, 609	5,670	5, 433	5, 618	5, 675	87.0
Males	3, 147	2,095	3,075	2,925	2,967	3,019	3, 179	3,062	3, 300	3,331	3, 238	3, 305	3, 368	86.8
Females	2, 182	2,122	2,132	2,010	2,055	2,053	2, 230	2,119	2, 309	2,339	2, 195	2, 313	2, 307	85.9
SPRINGFIELD. Males. Females.	13 548	15,459 11,609 3,850	15,609 11,783 <i>S</i> ,826	$\substack{16,102\\12,250\\3,852}$	$17,639 \\ 12,943 \\ 4,696$	18, 011 13, 216 4, 795	18, 482 13, 595 4, 887	19,029 14,063 4,966	19,483 14,378 5,105	19, 338 13, 993 5, 345	$20,190 \\ 14,511 \\ 5,679$	20, 723 14, 896 5, 827	21, 083 15, 339 5, 744	73.3 75.7 65.7
TAUNTON	8, 981	8, 799	8,524	<i>8,521</i>	8, 634	8,645	8, 811	9,165	9, 302	9, 296	9, 325	9,385	0, 365	90.8
	6, 500	6, 303	6,040	6,066	6, 200	6,260	6, 370	6,620	6, 819	6, 782	6, 833	6,880	6, 827	87.8
	2, 481	2, 496	2,484	2,455	2, 434	2,385	2, 441	2,545	2, 483	2, 514	2, 492	2,505	2, 538	93.7
WAREFIELD Males Females	1, 869 1, 152 717	1,867 1,062 805	1, 805 1, 048 757	1,710 <i>1,038</i> 672	1,666 1,040 026	1,769 1,094 675	$1,784 \\ 1,114 \\ 670$	1,863 1,190 673	1,882 1,182 700	1,910 1,182 728	$2,000 \\ 1,236 \\ 764$	2,046 1,290 756	2, 126 1, 348 778	78.4 77.0 77.8
WALTHAM.	8,069	7, 563	7, 583	7,430	$7,551 \\ 4,641 \\ 2,910$	7, 735	7, 743	8,066	8,283	8, 525	8,650	8,790	8,909	83.4
Males.	5,061	4, 562	4, 627	4,479		4, 756	4, 892	5,052	5,250	5, 437	5,570	5,677	5,789	77.4
Females.	3,008	3, 001	2, 956	2,951		2, 979	2, 851	3,014	3,033	3, 088	3,080	8,113	3,120	91.4
WATERTOWN	8, 420	8, 770	8, 741	8,270	8, 119	7, 854	7,720	8,032	8, 189	8, 095	8, 570	9,241	9,439	81, 8
Males	5, 455	5, 412	5, 432	5,252	5, 237	<i>5, 208</i>	5,225	5,351	5, 384	5, 316	5, 573	5,991	6,079	85, 7
Females	2, 965	3, 358	3, 309	3,018	2, 882	2, 646	2,495	2,681	2, 805	2, 779	2, 997	3,250	3,360	74, 3
WEBSTER Males Females	3, 849 2, 581 1, 268	3,473 2,249 1,224	3, 362 2, 175 1, 187	8,286 2,120 1,166	$3,542 \\ 2,328 \\ 1,214$	3,714 2,455 1,259	3, 837 2, 591 1, 246	4,074 2,755 1,319	4,137 2,800 1,337	$egin{array}{c} 4,245\ 2,903\ 1,342 \end{array}$	4,345 2,971 1,374	$\begin{array}{c} 4,030 \\ 2,768 \\ 1,262 \end{array}$	4, 143 2, 857 1, 286	75.6 71.4 84.9
WESTFIELD	3, 243	3, 048	3, 060	3, 132	3, 118	3, 169	2,913	2,982	3, 245	3, 406	3, 535	3,607	3,701	78.7
Males	2, 528	2, 351	2, 360	2, 467	2, 470	2, 515	2,247	2,274	2, 523	2, 646	2, 750	2,815	2,918	77.0
Females	715	697	700	665	648	654	666	708	722	760	785	792	783	81.8
WEST SPRINGFIELD	2,791	2, 502	2, 420	2, 645	2, 469	2, 562	2, 790	2, 950	2, 785	2, 977	3, 051	3, 164	3, 171	76.5
Males	2,487	2, 200	2, 182	2, 353	2, 244	2, 264	2, 492	2, 627	2, 496	2, 636	2, 729	2, 794	2, 827	77,2
Females	304	302	244	292	<i>225</i>	298	298	323	289	341	322	370	344	60.8
WEYMOUTH.	2,146	1,977	2, 024	2,039	2,011	2,056	2, 101	2, 271	2,298	2, 251	2, 170	2,266	2,288	86. 0
Males.	1,453	1,845	1, 366	1,391	1,385	1,380	1, 417	1, 501	1,529	1, 497	1, 479	1,560	1,586	84. 8
Females.	693	632	658	648	626	676	684	770	769	754	691	706	702	81. 3
WINCHESTER. Males. Females.	1, 112 990 122	1,021 902 119	1,009 893 116	1,039 916 123	1, 040 930 <i>110</i>	1,117 997 120	$1,156 \\ 1,034 \\ 122$	$1,085 \\ 959 \\ 126$	$1,184 \\ 1,081 \\ 123$	$1,163 \\ 1,041 \\ 122$	1, 155 1, 030 125	1,177 1,048 129	1, 198 1, 069 129	84, 2 83, 5 85, 3
WINTHROP.	61	59	59	59	59	59	60	62	64	61	62	64	64	92. 2
Males.	30	28	28	29	29	29	30	32	31	31	31	31	31	87. 5
Females.	31	31	31	30	50	30	<i>30</i>	<i>30</i>	33	<i>30</i>	31	33	33	90. 9
WOBURN	- 2,011	1, 824	$^{1,804}_{1,554}_{250}$	1, 780	1,088	1,878	2,034	2,054	2, 129	2, 182	2,194	2,242	2, 323	72.7
Males	1,719	1, 592		1, 524	1,437	1,616	1,730	1,725	1, 793	1, 864	1,876	1,914	2, 003	71.7
Fomales	292	<i>£32</i>		256	251	262	304	329	336	318	318	328	320	69.0
WORCESTER. Males Females	38,673 30,249 8,424	38, 716 30, 359 8, 357		1	36, 484 28, 787 7, 697	36, 763	37, 237 28, 979 8, 258	86,094 27,889 8,205	30, 137 30, 506 8, 631	39, 325 30, 722 8, 603	41, 250 32, 165 9, 085	42, 196 32, 850 9, 346	43, 436 33, 910 9, 526	83. 1 82. 2 80. 6

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

			IN ESTABL	ISHMENTS V	WHERE TH	IE PREVAIL	ING HOURS	OF LABOR	PER WEEK	WERE-
INDUSTRY AND CITY.	Census year.	Total.	44 and under.	Between 44 and 48.	48.1	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries.	1919 1914 1909	713, 836 606, 698 584, 559	54, 454 (²) (²)	38, 904 (²) (²)	436, 806 49, 358 29, 484	$109,036 \\ 68,221 \\ 28,555$	40,902 340,219 103,114	27,012 123,488 380,223	5,655 21,614 35,887	1,067 8,798 7,296
Ammunition 3	1919	2,449			2,304 1,192	110 1,992			35	20
Automobile bodies and parts	1919 1914	$3,541 \\ 1,341$	(²)	(²)	13	363	910	8 17	38	
Belting and hose, rubber ^a Bookbinding and blank-book making	1919 1919	2,441 2,936	 445		2, 118 2, 321	323 6	113		14	· · · · · · · · · · · · · · · ·
	1914	3, 317	(2)	(²) 1 152	2, 185 1, 934	315 1,142	300 226	517 47	· · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Boot and shoe cut stock	1919 1914	4,631 3,781	130 (²)		80	1,109 1,234	1,438 226	1,037 130	117 284	·····
Boot and shoe findings	1919 1914	5,896 4,389	(²)	1,134 (²)	2,619 314	371	2,025	1,575	104	
Boots and shoes, not including rubber boots and shoes	1919 1914	80, 166 76, 944	4,326 (²)	23, 955 (²)	40, 506 1, 089	8,086 12,224	3, 137 42, 064	156 21, 292	275	•••••
Boots and shoes, rubber	1919 1914	13,062 8,087			13,056	6	8, 087		••••••	•••••
Boxes, paper and other, not elsewhere specified	1919 1914	4,711 4,244	339 (2)	561 (²)	2, 780 106	965 1,347	66 2, 103	565	123	•••••
Boxes, wooden packing, except cigar boxes	1919 1914	3, 232 2, 995	(²)	(²) 70	594 20	2,009 624	248 936		77	· · · · · · · · · · · · · · · · · · ·
Brass, bronze, and copper products	1919 1914	$2,832 \\ 1,620$	100 (?)	(²) 50	909 3	1,112	42 453		9 583	
Bread and other bakery products		8,583 8,083	139 (2)	663 (2)	5, 099 614	529 182	1,689 3,889	176 1,969	251 1,286	37 143
Carpets and rugs, other than rag	1919	3,134 5,319	32		2, 525	577	5,046	170		
Cars and general shop construction and repairs by steam-railroad	1914 1919	7,724			7,724		2,225			
companies.	1914 1919	6,264 2,483 1,395	1	4	838	1,430	74	117	19 11	 11
	1914 1919	1,395 2,007	(2)	(2)	17 1,900		107			
Chocolate and cocoa products	1914	943 6,856	(²) 4,127	(²). 99	1 2, 206	312	592		3	
Clothing, men's	1914	5,760	(2)	(2)	634	2,835	2, 223	60	8	
Clothing, women's		6,271 6,076	3, 549 (²)	(2) (2)	2,330	3, 588	2,100	9	23	
Confectionery and ice cream		11,585 7,250	271 (²)	2,941 (²)	7, 211 1, 646	3,874	406	240	235	23 33
Cordage and twine *		2,743 122,499	363	10	933 109,859	1	1,798 7,750			
Cotton goods	. 1919 1914	112,609	(2)	(2)	1,051	793	109,662	1,103		
Cutlery and edge tools	. 1919 1914	3,988 1,947		(2)	2,019	1,085	413	279	43	10
Dyeing and finishing textiles, exclusive of that done in textile mills.	. 1919 1914	12,321 11,437	186 (²)	(2)	8,559		1,540 5,573	5,510	144	10: 3:
Electrical machinery, apparatus, and supplies	. 1919 1914	23,889 17,125	250 (²)	(²) ⁸⁷⁸	19,330	2,205	10, 519	39 3,763	170 1	
Emery and other abrasive wheels	. 1919 1914	2,443 902	2	4	81	2,302	. 26	54 857	19	
Firearms	. 1919	2,253 2,161	1		691		- 712 470	849 1,068	623	
Foundry and machine-shop products 4	.].	51,680 32,687	5,252	450 (2)	15,232	2 20,989 7,536	3,783 10,232	5,926 2 13,690	48 643	
Furniture		6,342 6,813	728	1	1,203	2 3,839 2 882	165 57		14 1,910	
Gas, illuminating and heating		2,654	11	(2)	. 63: 32	3 42	10	3 1,954 2 749	437	. 1,64
Iron and steel, steel works and rolling mills	1919	3, 084 2, 889				0 36			2,376 2,194	
Iron and steel, forgings, not made in steel works or rolling mills.		2,172			1,04		10	5 21		
	1	683	231	9 6	4,11	4 1,73	3 27	5 419		
Jewelry	1914	6, 500 12, 751	5 (2)	(³) 5 14	33 12,29	4 45. 2 6	23	6 124		
Knit goods	·· 1919 1914		5 (²)	(1)	1 -7-5	9 49	6 9,70	12 403	1	

¹ Includes 48 and under for 1914 and 1909. ² Corresponding figures not available.

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8 Not shown separately in 1914. 4 Includes "iron and steel, tempering and welding"; "machine tools"; and "textile machinery and parts."

597

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

			IN ESTAB	LISHMENTS	WHERE TI	HE PREVAN	LING HOUR	S OF LABOR	PER WEEL	K WERE-
INDUSTRY AND CITY.	Census year.	Total.	44 and under.	Between 44 and 48.	48.1	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Leather, tanned, curried, and finished	1919 1914	15,180 10,164	288 (2)	(²) ⁶³	11,240 244	2, 829 283	298 4,071	462 5,043	523	
Lumber, planing-mill products, not including planing mills con- nected with sawmills.	1919 1914	2, 245 3, 423	601 (²)	(²) ¹	944 893	444 1,368	96 754	159 233	175	
Motorcycles, bicycles, and parts	1919 1914	3,000 2,135			2, 220	. 45 1	572 573	163 1, 561	·····	
Musical instruments, planos	1919 1914	2, 228 2, 352	171 (2)	(3)	1,367 240	690 448	1,567	97		
Optical goods	1919 1914	4,082 2,356	(2) 9	(²) ⁶²	3,880 4	107 18	4 2,050	20 279	5	
Paper and wood pulp	1919 1914	$12,960 \\ 13,401$	2,453 (²)	····.(²)	7,533 5,171	2, 263 1, 705	3, 149	74 2,006	359 620	278 750
Printing and publishing, book and job	1919 1914	7,634 7,062	370 (۶)	104 (²)	6,485 5,570	601 967	• 54 452	13 73	7	
Printing and publishing, newspapers and periodicals	1919 1914	5,885 6,032	1,408 (¹)	138 (²)	4,155 5,116	107 353	62 512	6 45	9 6	
Pumps, steam	1919 1914	2,280 1,194			1,370	828	646	82 548	•••••	
Rubber tires, tubes, and rubber goods, not elsewhere specified	1919 1914	9, 406 4, 743	6	190	3, 519	5,214 246	225 143	252 4,348	6	
Silk goods, including throwsters	1919 1914	$5,697 \\ 4,405$	(2)	205 (³)	2,915 330	2, 567 22	4,123	10	•••••	20
Slaughtering and meat packing	1919 1914	4,307 8,233	409 (³)	(2)	3, 832 42	36 28	27 995	967	8 1, 201	
Stationery goods, not elsewhere specified	1919 1914	3,305 2,467	(²) 10	(ª) 8	3,17 2 430	120 151	1,088	798		
Steam fittings and steam and hot-water heating apparatus	1919 1914	3, 521 3, 175	(²) ⁻ 24	(3)	1,956 219	1,541 203	549	1,118	1,086	
Suspanders, garters, and elastic woven goods	1919 1914	2,965 2,928	(²) ⁴⁴	457 (*)	2, 120 547	85 592	126 703	1,086	133	
Fobacco, cigars and cigarettes	1919 1914	2,946 3,895	1,155 (²)	860 (1)	855 3,698	40	76 151			
Fools, not elsewhere specified	1919 1914	7,226 4,538	(²) 52	461 (²)	561 89	2,410 417	1, 849 1, 149	1,892 2,859	$1 \\ 24$	
Wire	1919 1914	5,203 2,899				493		4,710 870	2,020	
Woolen goods	1919 1914	$17,508 \\ 13,844$	215 (²)	(²) 6	15,114 50	$594 \\ 193$	1,596 7,771	43 4,752	1,078	
Worsted goods	1919 1914	36,296 39,533			33,436	931 1,411	1,437 35,133	250 2,473	516	242
All other industries	1919 1914	129,157 115,446	26,333 (³)	3,408 (²)	53,583 15.852	28, 242 14, 655	11,031 49,167	4,384 29,112	1,820 5,498	356 1,162
Total for cities	1919 1914	609,671 506,397	51, 228 (²)	38, 231 (*)	374, 462 41, 618	92, 850 64, 930	30, 674 284, 492	16, 746 95, 955	5, 051 16, 179	429 3, 223
ADAMS	1919 1914	3,974 3,930	(1)	(1)	3,760 13	74	80 3, 507	241	10,110 103	40
Amesbury.	1919 1914	3, 173 1, 451	(²) ¹	(²⁵	241 80	2, 532 7	327 1, 340	47		13
Arlington	1919 1914	228 246	(2) 7		46 85	130 14	1,010 13 97	32 50	•••	
ATTLEBORO.	1919 1914	6,763 6,058	(2) 44	(²) ¹⁶	4, 200 28	2, 030 89	118 1,821	200 3, 962	143	5
Belmont	1919	93	16		20 55	22				
BEVERLY.	1919 1914	6, 495 4, 641	4,656 (²)	1,442 (³)	111 21	250 8, 129	36 846	527	118	
Boston	1919 1914	88, 759 78, 894	15, 132 (²)	7,934 (²)	46, 861 18, 662	13, 398 30, 167	3, 457 21, 962	534 6, 881	1, 422 738	21 484
Braintree	1919 1919	2,176	12	2 002	849	41	1,254	19		
Brockline	1914 1914	18,059 16,246	(¹)	3,002 (²)	13, 801 586	906 478	$174 \\ 14,862$	47 306	23 14	
Cambridge	1914	484 335	(2) 22	188 (²)	217 35	48 241	4 59	•••••	5	
CHELSEA	1919 1914	22, 550 16, 749	2, 175 (²)	1,900 (²)	12, 296 3, 430	4, 523 2, 880	1, 107 8, 924	410 692	127 570	12 253
	1919 1914 1 1909.	6, 580 6, 241	(¹¹²)	·····(2)	3,364 1,000	2, 623 2, 203	458 1,962	22 884	189	13

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

INDUSTRY AND CITY.	Census year.	Total.	44 and	Betweer		т 1	Between	EA	Between)ver
	Jour	· ·	under.	44 and 48		18.1 4	8 and 54.	54.	54 and 60			60.
JHICOPEE	1919 1914	10,068 8,426	(²)	(2)	. :	2, 185 70	5,027 269	2, 779 5, 425	2, 218		14 440	3 4
LINTON	1919 1914	$4,155 \\ 4,064$	1	2	2	3,424	88 13	15 3,493	624 540		$\begin{array}{c c}1\\12\end{array}$	6
DANVERS		1,474	19	116	3	608	516	6	209	1	•••••	
DEDHAM	1919 1914	463 256	(²)	(2)	4	$332 \\ 14$	3 8	11	117 221	• }	2	
EASTHAMPTON	1919	4,142	5			4,027 1,609	45 1,691	14 143	36		41 6	
Everett	1919 1914	4, 523 3, 226	(²)	(2)		147	432 360	1, 509 257	46	1	24 19	645
FALL RIVER	1919 1914	37, 015 36, 834	(²)	(2)		35, 968 535	559	33, 203	2,20	7	310 22	20
FITCHBURG	1919 1914	9, 907 8, 837	(²) ³⁰	(3)	.0	$^{6,725}_{1,257}$	2,044 672	424 5, 473			718	82
FRAMINGHAM	1919 1914	4, 362 3, 982	(2) 30	(2)	5	3, 875 236	394 1, 929	7 1,224			137	10
GARDNER	1919			(*)		$213 \\ 17$	3, 500	163 547		14 10	9 1,676	. 7 4
GLOUCESTER		2,684	1	2 (1)	58	463 409	1, 860 202	230 1,993		25 92	30 18	
GREENFIELD	1919 1919 1914	2,750	1	3 (2)	7	$135 \\ 151$	1, 593 21	130 16		39 72	12 79	$15 \\ 11$
HAVERHILL	1919	15,78	11		18	2, 329 842	1,152 537	60 5, 61		96 08	276 469	3 7
	1914	17,77	3 2,2	ro	10	10, 816 2, 679	4, 589	8 9,56		2 44	430	30
HOLYOKE	1914	a 30,31	3 (*) 9 - :	(²)	7	29,068	761	46	0	59	4 68	464
LAWRENCE	191-	4 31,04	3 (4)	(2)		350 1, 385	3, 995	20	2	97	221	
LEOMINSTER	191	4 4,92	9 (2)	(2)	115	5 27, 890	1.180	3 37	70	196	9	10 18
LOWELL	···· 191 191	4 29,90	4 (²)	(2)		584	1,974	25, 1	80	996 486	50 11	
Lynn	191 191	4 25,33	9 (3)	(2)		12,031 724		3 11,8	44 10,	539 144	54 3	
MALDEN	191 191			⁵³ (2)		3,485 186	52	1,8	ĐŠ	82	1	15
MARLBOROUGH	191 191		8 2 (2)	7 (2)) 5	3,775 77		4 2		496	4	
Medford	191 191		31 59 (2)	28	12 2)	845 20	5 12 10		19	118	35	
Melrose	191)8)2 (2)	85 (2) ⁴	1,480 1($\begin{vmatrix} 3 \\ 3 \\ 14 \end{vmatrix}$		16 78	28		
METHUEN	19	19 2,5	71 40 (2)	4 (2	2	2, 402		6 1 1 1,8	.51 189	17	$\frac{6}{32}$	
Milford	ļ	19 1,8	EI .	62		1,53'		0 1 19 1 ,0	82 142	8 224	22	
NATIOR.		19 1,4	11	306	17	1,04 12	8 8	0 '5 9	5	7.	19	
		10 41.6	30	69	26	32,76 63)8 3,8 19 30,5	372 286 1	408 701	348 370	1
NEW BEDFORD		14 83,3 19 3,9		18	364	1,44	3 1,63		328	168 800	9	
Newburyport		14 3,3	11	70	²) 11	2 1,52	8 8	35	25 759	5 144	23 58	
Newton	1	914 2, 1	i	29	2)	783 5,29	91	74	428	201	37	
NORTH ADAMS		1 .)23 288 (2)		2)	1,10 2,52	35 4	18	247	,259 28 542		_
NorthAmpton		914 3,	532 446 (²		2)	11	51 2	99 2,	399 6	542	36	
NorthBridge	1		871 835	2		1, 2 2, 4	1 .	.04	17	7	•••••	
Norwood	1	019 8.	013	250	79 (2)	6.7	45 8		540 279	L, 479	2 603	
	1		485 (* 570 490 (*	19		7.9	83 4	194	27	82 5, 832	15 104	5 1 1
Prttsfield			490 (* 971		(²)	1,0			,887 ,292			
PLYMOUTH 1 Includes 48 and under for 19	1	914 2,	845 () ((2) 2 Corr) espandi	6 ing figures			0.00		

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

			IN ESTAB	LISHMENTS	WHERE T	HE PREVAI	LING HOUR	3 OF LABOI	? PER WEE	K WERE-
INDUSTRY AND CITY.	Census year.	Total.	44 and under.	Between 44 and 48.	48.1	Between 48 and 54.	54.	Between 54 and 60	60.	Over 60.
QUINCY	1919 1914	19, 653 5, 783	17,789 (²)	(²) 3	1, 157 1, 244	320 3, 364	381 1, 125		3 14	
REVERE.	1919 1914	126 80	(²) 1	(2) 3	95 11		11 55		5	
SALEM	1919 1914	5, 672 5, 294	1,096 (²)	313 (2)	3, 079 128	460 701	724 2, 807	1,383	275	
SAUGUS	1919	126	1	3	83	8	31			
SOMERVILLE.	1919 1914	$^{6,111}_{5,429}$	459 (2)	106 (2)	3, 728 351	1,267 1,032	264 1, 625	232 1, 254	34 1,167	21
SOUTHBRIDGE	1919 1914	5, 329 4, 332	(²) ³		3, 441 10	535	1, 310 3, 712	35 603	5 7	
Springfield	1919 1914	18, 429 14, 240	1, 124 (²)	(2) 37	$14,616 \\ 1,716$	1,876 1,955	485 5,381	278 4,379	13 560	249
TAUNTON	1919 1914	8, 981 7, 371	(²) 66	(²) 41	5, 313 212	1,831 257	731 4,741	921 2,025	76 37	2 99
Wakefield.	1919 1914	$1,869 \\ 2,008$	(³) 5	247 (2)	1,427 38	190 28	1, 158	779	5	
WALTHAM	1919 1914	8,069 6,465	285 (2)	286 (2)	6, 418 70	548 90	478 1, 483	44 4, 806	16	10
WATERTOWN	1919 1914	8, 420 4, 787	(2) 2	(²) 2	8,012 5	362 7	42 4,356	416		
WEBSTER	1919 1914	3, 849 3, 246	(²) 8	(²)	2, 736 13	550 1,776	548 839	573	7 45	
WESTFIELD	1919 1914	3, 243 3, 584	(2) 33	(²) 7	$1,221 \\ 152$	571 27	1,330 891	$13 \\ 1,223$	1,291	68
West Springfield	1919 1914	2, 791 2, 209	193 (²)	(²)	2, 508 634	63 202	12 1,287	15 55	31	
Weymouth .	1919 1914	2, 146 2, 074	(²) 61	(²)	1,658 15	160 423	267 1, 184	452		
WINCHESTER	1919 1914	1, 112 1, 048	(2) ¹⁹	(²)	972 166	119 53	28	702	$2 \\ 9$	
WINTHROP	1919 1914	61 16	(²) 8	(²)	42 3	2	9 5		• 8	
WOBURN.	1919 1914	2,011 1,565	154 (2)	(²) 44	$^{1,231}_{260}$	522 59	42 426	14 809	4 11	••••••
WORCESTER	1919 1914	38, 673 29, 452	529 (2)	306 (2)	10, 167 1, 392	13,784 1,659	2,705 11,307	8,712 10,098	2, 458 4, 716	12 280

¹ Includes 48 and under for 1914 and 1909.

² Corresponding figures not available.

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600

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

	тол	MAL.						E	STABLI	SHME	TS EMI	LOYI	1G						
INDUSTRY AND CITY	ents.	ters (aver- mber).	No wage earn- ers.	1 to wa earn inclu	ge ers,	6 to wa earn inclu	ge ers,	21 to wa earn inclu	ge ers,	ear	o 100 age ners, isive.	wa cari	o 250 ige iers, isi⊽e.	w ear	to 500 age ners, usive.	w ear	o 1,000 age ners, usive.	w	r 1,000 age ners.
	Establishments.	Wage earners (aver- age number).	Establish- ments.	Establish- ments.	Wage earners.	Establish- ments.	Wage carners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage carners.
All industries		713, 836	1,086	4,670	11, 497	2,680	30, 753	1,410	46, 214	791	56, 499	689	108, 715	293	102,019	169	114,094		
Ammunition. Automobile bodies and parts Belting and hose, rubber. Bookbinding and blank-book making Boot and shoe out stock. Boot and shoe findings. Boots and shoes, not including rubber boots and shoes.	493	2, 449 3, 541 2, 441 2, 936 4, 631 5, 896 80, 166	3 7 4 10 6	34 22 55 67 48	77 67 160 174 136	2 27 41 67 92 62	15 338 441 736 1,132 783	2 9 12 32 61 93	57 293 384 1,014 1,966 3,205	1 7 14 14 14 89	73 496 136 1,014 958 6,715	5 9 8 9 103	738 1, 233 1, 105 1, 382 17, 074	$ \begin{array}{c} 2 \\ 1 \\ - 2 \\ 1 \\ 57 \end{array} $	676 323 602 284 20,097	1 1 1 26	923 880 675 17, 292	1 9 5	2,304 1,238 14,864
Boots and shoes, rubber Boxes, paper and other, not elsewhere speci- fied. Boxes, wooden packing, except eigar boxes. Brass, bronze, and copper products Bread and other bakery products Corrects and rugs other then reg	8 102 75 72 1, 309 10	13,062 4,711 3,232 2,832 8,583 3,134	3 2 102	6 16 29 979 1	20 47 83 2, 333 1	$1 \\ 31 \\ 14 \\ 23 \\ 179 \\ \dots$	6 438 179 264 1,646	39 23 11 28 1	1,352 780 342 855 32	14 9 2 8 2	979 671 170 572 136	12 9 1 10 1	1, 922 1, 223 151 1, 491 189		332 600 340 650		1, 668 1, 222 1, 346 1, 098	 1	11, 388 1, 028
Cherry and edge tools	$\begin{array}{c} 14\\ 27\\ 6\\ 207\\ 258\\ 278\\ 13\\ 191\\ 51\\ \end{array}$	7,724 2,483 2,007 6,856 6,271 11,585 2,743 122,499 3,988	3 5 16 1	$ \begin{array}{r} 7 \\ 1 \\ 56 \\ 42 \\ 143 \\ 2 \\ 4 \\ 13 \\ \end{array} $	20 1 154 155 315 315 3 15 34	$ \begin{array}{c} $	62 952 1,289 656 55 167 238	1 5 42 84 23 2 11 3	36 165 1,431 2,637 819 75 398 106	2 1 11 17 11 17 3	$ \begin{array}{r} 160 \\ 72 \\ 776 \\ 1,056 \\ 696 \\ 1,225 \\ 217 \\ \end{array} $	$5 \\ 1 \\ 2 \\ 6 \\ 4 \\ 13 \\ 2 \\ 19 \\ 7$	849 113 287 930 463 2, 184 275 3, 158 963	2 3 1 5 2 6 2 35 2	2,151 539 13,192	$ \begin{array}{c} 1 \\ 1 \\ 2 \\ 1 \\ 3 \\ 49 \\ \dots \end{array} $	927 788 1,464 752 2,030 34,065	$ \begin{array}{c} 3 \\ $	
Cars and general shop construction and re- pairs by steam-railroad companies Chemicals Chocolate and cocca products. Clothing, men's Clothing, women's. Confectionery and ice cream Cordage and twine Cordage and twine Cotton goods Cutlery and edge tools Dyeing and finishing textiles, exclusive of that done in textile mills. Electrical machinery, apparatus, and sup- plies. Emery and other abrasive wheels Frimarms Foundry and machine-shop products Furniture. Gas, illuminating and heating Iron and steel, steel works and rolling mills. Iron and steel, forgings, not made in steel	. 62 110 14 5 574 161 51	12, 321 23, 889 2, 443 2, 253 27, 712 6, 342 2, 654	3 17 5 1	8 21 4 1 172 49 10	20 71 9 1 449 143 27	8 32 1 162 45 16	111 393 6 1,959 592 203	9 17 4 101 33 11	207 555 113 3,218 1,060 387	65 19 4	829 1,034 167 4,385 1,328 277	12 10 1 39 6 6 2	1,770 1,688 116 5,899 902 875	. 1 14 2 3	1,948 316 4,660	3 2 1	3, 828 1, 261 1, 936 1, 554 644		3,356 16,939 2,032 5,588 1,084 2,376
Knit goods. Leather, tanned, curried, and finished. Lumber, planing-mill products, not includ- ing planing mills connected with saw-	165 77 131	3,684 2,172 6,780 12,751 15,180	4 3 1	2 39 13 10	7 89 43 25		29 45 414 149 431	2 39 13 37	69 84 1,335 483 1,203	2 35 12 20	89 118 2,310 809 1,533	14 13 22	417 2,236 1,982 3,354 173	. 5 1 5 3	1,918		2, 299 2, 560		
mills. Machine tools Musical instruments, planos. Optical goods. Paper and wood pulp Printing and publishing, book and job Printing and publishing, newspapers and	$ \begin{array}{c} 140 \\ 46 \\ 8 \\ 14 \\ 29 \\ 78 \\ 768 \\ \end{array} $	2,245 6,471 3,000 2,228 4,082 12,960 7,634 5,885	8 172 171	55 4 1 8 382 117	140 6 3 23 876 324	$ \begin{array}{c} 7 \\ $	699 103 34 62 42 1,605 823	20 12 2 10 9 45 23	647 442 68 339 309 1,394 779	10 2 3 2 15 11	586 721 137 243 134 1,117 778 962	1 5 4 2 87 7 5	6,309 1,105 776	4 1 4 11	1,205 324 3,694	$\begin{array}{c}1\\.\\.\\2\\.\\3\end{array}$	1,744 572 1,489 1,870 531	1	2, 838
Purps, steam Rubber tires, tubes, and rubber goods, not elsewhere specified Silk goods, including throwsters Slaughtering and meat packing Stationery goods, not elsewhere specified Steam fittings and steam and hot-water	47 47 40 30	2,280 9,408 5,697 4,307 3,305 3,521	171 1 1 2 2	117 5 19 8 5	14 37 22	. 1 . 7 . 3 . 8 . 1	96 34 88 11 72	3 9 5 3 3	86 289 164 108 83 87	1 10 4 1 7	82 721 281 74 504	10	1, 365 865 153 599 859	2 1 3 2	823 473 1,008 707	- 1 1 1 2	796 571 817	222	1,309 5,527 3,063 2,839 1,321
heating apparatus. Suspenders, garters, and elastic woven goods. Textile machinery and parts. Tobacco, cigars and cigarettes. Tools, not elsewhere specified. Wire. Woolon goods. Worsted goods. All other industries.	$ \begin{array}{c c} 29\\ 116\\ 262\\ 117\\ 9\\ 111 \end{array} $	$\begin{array}{c} 2,965\\ 17,413\\ 2,946\\ 7,226\\ 5,203\\ 17,568\\ 36,296\\ 129,241 \end{array}$	1 104 5 420	48	220 122 16	32 21 31 2 5 3	86 356 205 369 26 55 46 12,205	9 14 1 15 6	129 503 300 487 45 595 182 14, 427	13 5 5 	352	8 6 2 42 22	876 7,100	3 1 4 16 12	$ \begin{array}{r} 384 \\ 1,540 \\ 274 \\ 5,163 \end{array} $	3 2 4 1 5	711 721	2 1 10	24,405
Total for cities		609, 671	865	3,904	9, 895	2,330	26, 749	1, 195	38, 708	633	45, 044	-	83, 151	243	84, 525	142	95, 812		:
ADAMS. AMESBURY. ARLINGTON ATTLEBORO BELMONT.	32 44 27		2 3 9	11 45	34 35 109	10 11 29	47 111 111 332 31	2 22	38 180 82 724	5 21 1	1, 448 54	3 15		3	743	1		-	3,077
BEVERLY. BOSTON. BRAINTREE BROCKTON BROOKLINE	3,077 19 217	88, 759 2, 170 18, 059 484	322 1 8 4	1, 211 7 67 14	3, 267 13 177 44	844 5 54 9	55 697 120	384 2 33 4	137	151 19 19	70 1,411 	$ \begin{array}{c} 101 \\ 1 \\ 21 \\ 1 \end{array} $	183	41 6	14,730 2,127	14 1 7	504 4,882		14,310 1,225 4,321
CAMBRIDGE CHELSEA CLICOPEE CLINTON DANVERS	123 60 33	6, 580 10, 068 4, 155	5	106 43 21 16 5	259 103 40 38 12	31 9 4	994 355 99 35 94	19 8 4	642 231 133	3 7 2	464		1,381 636 100		1,042	. 1	1,719	1 2 2	5,730 1,162 6,439 3,094

8. C

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

	тс	TAL.							ESTABL	ISHMT	NTS EM	PLOY	NG					·····	
INDUSTRY AND CITY.	ants.	earners (aver- number).	No wage earn- ers.	1 t wz earr inclu	igo	w ear	o 20 age ners, 1sive.	ear	to 50 age ners, 1sive.	ea.	to 100 /age mers, usive.	ear	to 250 age ners, usive.	w ear	to 500 age ners, usive.	ୟ ସେଧ	to 1,000 Vage rners, lusive,	۷ (er 1,000 vage rners.
	Establishments.	Wage earn age nur	Establish- ments.	Establish- ments.	Wago earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.
DEDHAM EASTHAMPTON EVERETT. FALL RIVER. FITCHURG.	$20 \\ 28 \\ 104 \\ 293 \\ 121$	463 4, 142 4, 523 37, 015 9, 907		8 10 35 135 40	18 18 98 323 103	5 6 24 55 24	38 52 293 617 257	2 21 17 13	80 623 562 481	$ \begin{array}{c} 1 \\ 2 \\ 10 \\ 12 \\ 16 \end{array} $	88 160 700 847 1, 203	2 1 6 8 7	319 193 1,033 1,299 1,172	 3 18 8	1, 185 6, 775 2, 805	2 1 22 4	1, 202 535 14, 950 2, 541	1 7 1	2, 437 11, 642 1, 395
FRAMINGHAM GARDNER GLOUCESTER GREENFIELD HAVERHILL	59 73 90 53 405	4, 362 4, 036 2, 684 2, 750 15, 783	2 3 5 	28 24 45 24 133	$55 \\ 50 \\ 112 \\ 52 \\ 355$	12 16 21 17 97	118 207 244 216 1, 118	5 11 11 5 82	219 387 340 154 2,728	3 9 3 31	234 643 227 177 2,390	6 7 3 2 31	${ \begin{smallmatrix} 1,064\\ 1,052\\ 431\\ 262\\ 4,742 \end{smallmatrix} }$	$2^{2}_{1}_{1}_{1}_{11}$	703 613 329 3,661	 1 1	598 789	1 1 1 1	1,969 1,084 1,001 1,293
HOLYOKE LAWRENCE LEOMINSTER. LOWELL LYNN	$176 \\ 194 \\ 92 \\ 291 \\ 442$	17, 773 30, 319 5, 793 30, 111 27, 355	$10 \\ 12 \\ 9 \\ 18 \\ 26$	72 98 19 141 167	$177 \\ 215 \\ 41 \\ 314 \\ 427$	$27 \\ 28 \\ 19 \\ 50 \\ 111$	320 327 259 619 1, 191	13 21 16 30 61	414 661 500 969 2,055	16 8 12 15 34	1,110 578 874 1,074 2,526	26 7 11 18 28	4,019 1,352 1,710 2,929 4,106	4 8 5 4 11	$\begin{array}{c} 1,402\\ 2,865\\ 1,903\\ 1,116\\ 4,017 \end{array}$	4 3 1 6 5	2,627 1,760 506 3,396 3,124	4 9 9 1	7,704 22,561 19,664 9,909
MALDEN. MARLBOROUGH. MEDFORD. MELROSE. METHUEN.	108 48 54 27 33	4, 723 3, 798 1, 031 1, 606 2, 571	14 3 8 1 5	48 28 25 15 17	106 61 55 40 45	21 8 12 6 3	258 84 121 83 37	14 2 2 3 2	451 58 51 108 65	6 2 4 2	445 196 293 128	3 	519 511 834	3 1	1, 249 295	 1	920 779	2 1 1 1	2,944 1,230 1,080 1,183
Milford Natick. New Bedford Newburydort. Newburydort. Newton.	48 49 267 64 49	$1,809 \\ 1,463 \\ 41,630 \\ 3,960 \\ 2,547$	6 9 11 7 8	22 18 136 22 20	49 46 324 51 59	9 6 55 11 9	102 56 623 146 127	3 4 18 4 4	113 152 578 141 120	8 8 9 1	572 556 664 75	5 4 4 6 5	753 037 684 1,065 819	3 4 4 	792 1, 284 1, 259	16 1 2	12, 082 634 1, 347	 15 	25, 499
NORTH ADAMS. NORTHAMPTON. NORTHBRIDGE. NORWOOD. PEABODY.	65 63 13 26 91	6, 023 8, 532 3, 871 2, 835 8, 013	11 8 1 5	20 25 8 7 23	55 72 12 24 64	15 15 5 17	152 146 60 190	5 3 1 20	175 84 32 632	$1 \\ 3 \\ 2 \\ 4 \\ 11$	51 227 155 304 837	4 5 5 10	611 754 740 1,543	6 2 1 1 3	2, 227 754 265 887 959	$1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 1 \\ 1$	592 1,495 855 1,288 789	2 	2, 160 2, 584 2, 999
Pittsfield. Plymouth Quincy Revere Salem	90 31 162 31 153	8, 570 2, 971 19, 653 126 5, 672	8 3 19 8 12	47 13 77 18 56	$109 \\ 29 \\ 238 \\ 40 \\ 121$	12 5 51 4 39	127 53 575 40 487	6 3 7 1 20	$178 \\ 105 \\ 178 \\ 46 \\ 816$	6 4 2 9	409 315 119 	4 1 2 6	581 223 271 901	5 1 1 3	1,811 450 267 908	1 	835 887 726		4,520 1,796 17,118 1,048
SAUGUS Somerville. Southeridge. Springfield.	14 140 41 401	126 6,111 5,329 18,429	8 14 6 49	$7\\63\\14\\163$	7 177 31 435	2 27 7 87	18 312 83 962	1 23 4 37	28 706 135 1,211	1 5 2 22	73 348 134 1,567	4 6 23	679 802 3,467	····i ····· 11	369 3,259	 1 7	680 4, 556	 2 2 2	2, 840 4, 144 2, 972
TAINTON Wakefield Waltham Watertown.	167 32 93 25	8, 981 1, 869 8, 069 8, 420	11 2 5 2	78 13 38 7	127 25 97 19	16 6 22 4	168 77 254 50	27 5 10 8	953 145 356 80	13 3 9 1	947 202 574 60	12 1 3 3	1, 725 246 334 537	6 	2, 154 1, 286 951	3 2 1	1,761 1,174 795	1 1 2	1, 146 4, 393 6, 723
WEBSTER. WESTWIELD. WEST SPRINGFIELD. WEYMOUTH.	24 85 23 34	3, 849 3, 243 2, 791 2, 146	1 6 4	9 37 12 11	27 91 18 26	4 18 5 5	88 213 37 61	2 13 6	78 412 188	2 6 2 3	152 449 150 197	1 2 1 1	178 389 191 222	8 1 1 4	1, 245 281 283 1, 452	$\stackrel{1}{\stackrel{2}{\stackrel{1}{\frac{1}{\frac{1}{\frac{1}{\frac{1}{\frac{1}{\frac{1}{1$	550 1,408 968	1 1 	1, 581 1, 146
WINCHESTER. WINTHROP WOBURN. WORCESTER.	17 19 53 618	1, 112 61 2, 011 38, 673	1 7 2 52	8 10 14 203	7 30 42 519	4 1 17 159	45 8 207 1, 942	8 9 85	97 23 279 2,841	5 5 47	395 378 3, 531	 5 39	741 6, 422	1 19	364 6, 241	1 	568 4,824	 0	12, 353

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

VALUE OF PRODUCT.		UMBER (BLISHME			GE NUME GE EARNI		VA	LUE OF PRODUC	YTS.	VALUE ADD	ED BY MANU	FACTURE.
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	11, 906	12,013	11,684	713, 836	606, 698	584, 559	\$4, 011, 181, 532	\$1, 641, 373, 047	\$1, 490, 529, 386	\$1, 750, 468, 496	\$709, 989, 254	\$659, 784, 443
Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$500,000. \$500,000 to \$1,000,000 \$1,000,000 and over.	1,6453,2113,5112,149575815	2,885 3,903 2,926 1,593 366 340	2,760 3,826 2,932 } 1,873 293	990 9, 526 39, 270 {102, 035 {73, 906 488, 109	3, 158 18, 044 56, 378 }229, 504 299, 614	3, 508 19, 912 61, 041 222, 890 277, 208	$\begin{array}{c} 4, 384, 884\\ 36, 152, 704\\ 164, 770, 693\\ \{ 498, 897, 877\\ 410, 219, 829\\ 2, 896, 755, 545 \end{array}$	7, 434, 572 40, 782, 361 134, 938, 198 355, 053, 098 261, 215, 922 841, 948, 896	7, 162, 781 40, 731, 897 136, 992, 841 585, 830, 505 719, 811, 362	$\begin{array}{c} 2,864,437\\ 21,034,052\\ 85,780,694\\ 240,921,403\\ 181,962,408\\ 1,217,905,442 \end{array}$	4, 860, 002 23, 879, 757 . 70, 427, 005 270, 904, 073 339, 918, 417	4, 767, 415 24, 009, 431 73, 120, 246 201, 501, 513 296, 365, 838
							PER CENT	DISTRIBUTION.				1
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100. 0	100.0	100,0	100.0	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	$ \begin{array}{r} 13.8 \\ 27.0 \\ 29.5 \\ 18.0 \\ 4.8 \\ 6.8 \\ \end{array} $	24. 0 32. 5 24. 4 13. 3 3. 0 2. 8	23. 6 32. 7 25. 1 } 16. 0 2. 5	$\begin{cases} 0.1 \\ 1.3 \\ 5.5 \\ 14.3 \\ 10.4 \\ 68.4 \end{cases}$	0.5 3.0 9.3 37.8 49.4	0. 6 3. 4 10. 4 38. 1 47. 4	$\begin{cases} 0,1\\0,9\\4,1\\12,4\\10,2\\72,2 \end{cases}$	0.5 2.5 8.2 21.6 15.9 51.3	0.5 2.7 9.2 39.3 48.3	$\begin{cases} 0,2\\ 1,2\\ 4,9\\ 13,8\\ 10,4\\ 69,6 \end{cases}$	0.7 3.3 9.9 38.2 47.9	0,7 3.6 11.1 39.6 44.9

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

an An <u>an an a</u>	E	NUMI STABLI	BER OF	TTS,	AVI	ERAGE NI WAGE EA	UMBER RNERS	t OF	VAI	UE OF PRODI	UCTS.		VALUE AD	DED BY MAN	UFACT	URE.
INDUSTRY AND VALUE OF PRODUCT.	1919	1914	di	tion.	1919	1914	di bu	stri-	1919	. 1914	di bu	cent stri- tion.	1919	1914	dis	cent tri- ion.
BOOT AND SHOE CUT STOCK	182	180	100.0	100.0	4,631	3, 781	1919		200 014 100		1919				1919	1914
Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$500,000. \$600,000 to \$1,000,000. \$1,000,000 and over.		25 34 59 38 17 7	3.8 13.7 34.1 25.3 9.9 13.2	13.9 18.9 32.8 21.1 9.4 3.9	10 71 584 1,461 695 1,810	33 236 865 21,948 699	0.2 1.5 12.6 31.5 15.0 39.1	$\begin{array}{c} 0.9 \\ 6.2 \\ 22.9 \\ 51.5 \end{array}$	\$86, 214, 106 24, 172 293, 564 3, 245, 463 11, 014, 026 13, 401, 565 58, 235, 316	\$35,636,846 68,177 381,301 2,907,542 8,994,073 11,282,070 12,003,683	-	100.0 0.2 1.1 8.2 25.2 31.7 33.7	\$16,732,140 15,431 137,250 1,244,027 3,311,770 2,361,781 9,661,881	\$5, 224, 241 33, 214 161,687 876, 703 2 2, 918, 329 1, 234, 308	100.0 0.1 0.8 7.4 19.8 14.1 57.7	16.8
BOOT AND SHOE FINDINGS Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	$ \begin{array}{r} 254 \\ 19 \\ 42 \\ 96 \\ 81 \\ 10 \\ 6 \end{array} $	240 38 71 81 247 3	100.0 7.5 16.5 37.8 31.0 3.9 2.4	100.0 15.8 29.6 33.8 19.6 1.2	5,896 10 147 1,186 2,899 520 1,134	62 383 1,294 2 2,158	100.0 0.2 2.5 20.1 49.2 8.8 19.2	100.0 1.4 8.7 29.5 49.2 11.2	$\begin{array}{r} 44,357,147\\ \hline 51,600\\ 445,766\\ 5,074,818\\ 19,275,928\\ 6,726,204\\ 12,782,831 \end{array}$	19,021,309 104,253 775,639 3,978,565 2 10,127,774 4,035,078	$ \begin{array}{c} 100.0 \\ \hline 0.1 \\ 1.0 \\ 11.4 \\ 43.5 \\ 15.2 \\ 28.8 \\ \end{array} $	$ \begin{array}{r} 100.0 \\ \hline 0.5 \\ 4.1 \\ 20.9 \\ 53.2 \\ \hline 21.2 \end{array} $	$\begin{array}{r} 15,970,929\\ \hline 33,135\\ 250,475\\ 2,215,499\\ 7,009,353\\ 2,115,947\\ 4,346,520 \end{array}$	5,517,758 64,273 352,824 988,142 23,565,545 546,974	$ \begin{array}{r} 100.0 \\ \hline 0.2 \\ 1.6 \\ 13.9 \\ 43.9 \\ 13.2 \\ 27.2 \end{array} $	$ \begin{array}{r} 100.0 \\ \hline 1.2 \\ 6.4 \\ 17.9 \\ 64.6 \\ 9.9 \end{array} $
BOOTS AND SHOES, NOT IN- CLUDING RUBBER BOOTS AND SHOES.	493	464	100.0	100.0	80,166	76, 944	100.0	100. 0	442, 466, 236	200, 529, 858	100.0		173,115,841	80, 204, 178		100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over Boxzes, PAPER AND oTHER, NOT	9 50 81 149 78 131	41 67 97 137 62 60	$1.8 \\ 10.1 \\ 16.4 \\ 30.2 \\ 14.8 \\ 26.6$	$\begin{array}{r} 8.8 \\ 14.4 \\ 20.9 \\ 29.5 \\ 13.4 \\ 12.9 \end{array}$	$18 \\ 216 \\ 1,440 \\ 8,740 \\ 9,517 \\ 60,235$	100 465 2,588 230,590 43,201	(1) 0.3 1.8 10.9 11.9 75.1	0.1 0.6 3.4 39.8 56.1	$\begin{array}{r} 24,907\\ 540,675\\ 4,380,642\\ 39,604,025\\ 52,390,673\\ 345,525,314 \end{array}$	$\begin{array}{r} 107, 989\\ 689, 635\\ 4, 974, 207\\ 34, 292, 689\\ 45, 895, 472\\ 114, 569, 806\end{array}$	(1) 0.1 1.0 9.0 11.8 78.1	$\begin{array}{r} 0.1 \\ 0.3 \\ 2.5 \\ 17.1 \\ 22.9 \\ 57.1 \end{array}$	$\begin{array}{r} 16,611\\ 331,725\\ 2,303,754\\ 16,857,843\\ 22,103,940\\ 131,501,468\\ \end{array}$	78,547 419,109 2,394,916 231,383,466 45,928,140	(1) 0.2 1.3 9.7 12.8 76.0	0.1 0.5 3.0 39.1 57.3
ELSEWHERE SPECIFIED	102	97 5	100.0	100.0 5.2	4,711	4,244	100.0	100.0	15,666,081	7,084,975	100.0	100.0	8, 202, 591	======================================	100. 0	100.0
Less than \$5,000 \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$500,000. \$500,000 and over. BOXES, WOODEN PACKING, EX-	⁸ 14 45 39 4	23 49 1 20	13.7 44.1 38.2 3.9	23.7 50.5 20.6	⁸ 122 1,047 2,928 614	284 1,621 4 2,323	2.622.262.213.0	0.4 6.7 38.2 54.7	⁸ 184, 362 2, 484, 587 8, 399, 360 4, 597, 772	14,772 296,943 2,339,454 4,433,806	$1.2 \\ 15.9 \\ 53.6 \\ 29.3$	0.2 4.2 33.0 62.6	³ 113, 805 1, 404, 442 4, 630, 186 2, 054, 158	$10,447 \\179,519 \\1,220,631 \\42,002,505$	$1.4 \\ 17.1 \\ 56.4 \\ 25.0$	0.3 5.3 35.8 58.7
CEPT CIGAR BOXES	75	91 11	100.0 9.3	100.0	8,232 3			100.0	15,050,531		100.0	100.0	6, 678, 699			100, 0
Less than \$5,000 5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over BRASS, BROWE, AND, CORPER	6 20 35 7	17 38 2 25	8.0 26.7 46.7 9.3	18.7 41.8 27.5	$16 \\ 262$	13 76 806 22,100	0.1 0.5 8.1 53.8 37.5	0.4 2.5 26.9 70.1	18,071 70,167 1,107,541 7,827,351 6,027,401	23,351 170,263 2,071,992 2 5,445,008	$\begin{array}{c} 0.1 \\ 0.5 \\ 7.4 \\ 52.0 \\ 40.0 \end{array}$	0.3 2.2 26.9 70.6	$\begin{array}{r} 11,766\\ 24,048\\ 460,871\\ 3,129,056\\ 3,052,958\end{array}$	12,279 60,370 779,835 22,081,861	0.2 0.4 6.9 46.8 45.7	0.4 2.1 26.6 70.9
BRASS, BRONZE, AND COFFER PRODUCTS	72		100.0	100.0	2,832		100.0	100.0	16,943,199	5, 958, 863	100. 0	100.0	7, 576, 434	2, 244, 067	100.0	100. 0
Less than \$5,000	8 22 30 15 5	13 33 20 4 3	30.6 41.7 20.8 6.9	17.8 45.2 27.4 5.5 4.1	³ 44 291 603 1, 894	15 154 280 51,171	1, 6 10, 3 21, 3 66, 9	0.9 9.5 17.3 72.3	⁸ 248, 266 1, 359, 429 3, 436, 245 11, 899, 259	37, 484 400, 940 828, 428 1, 039, 621 3, 652, 390	1.5 8.0 20.3 70.2	0.6 6.7 13.9 17.4 61.3	⁸ 132, 804 670, 666 1, 490, 198 5, 282, 766	24,357 205,109 374,902 § 1,639,699	19.7	1.1 9.1 16.7 73.1
BREAD AND OTHER BAKERY PRODUCTS		<u> </u>		100.0	8,583	8,083	100.0	100.0	66,017,267	33, 309, 051	100.0	100.0		15, 037, 903		100, 0
ass than \$5,000	$\begin{array}{c} 90 \\ 647 \\ 495 \\ 58 \\ 11 \\ 8 \\ \end{array}.$		49.4	23.1 61.2 13.3 1.9 0.5	1,070	1,887 53,821	28.7 16.2 12.5	2.5 26.9 23.3 47.3	283,584 7,806,096 18,135,828 11,944,423 7,729,155 20,118,181	7, 242,027 6, 186, 724 (10, 133, 360	18,1	8.1 26.1 21.7 18.6 30.5	4,500,685	2,894,831 7,977,482	25,2	3.1 24.6 19.3 53.0
CHEMICALS.	27	24 1 	00, 0 1	00.0	2,483		00.0 1	00.0	17,305,166	6, 684, 918	100. 0		9, 203, 749	8, 330, 297 1	00.0 1	00,0
5,000 to \$20,000 20,000 to \$100,000 100,000 to \$500,000 1,000,000 and over	⁸ 4 8 ² 11 4	7 6 23	14.8 29.6 40.7	29.2 25.0 12.5 16.7	⁸ 5 31 2 305 2,052	5 20 47 2 179 1,144	0.2 1.2 15.9 82.6	$\begin{array}{c} 0.4 \\ 1.4 \\ 3.4 \\ 12.8 \\ 82 0 \end{array}$	^a 33,083 442,996 ² 2,803,432 14,025,655	10,027 107,006 395,347 ² 948,683 5,223,855	0, 2 2, 6 16, 2 81, 0	0.1 1.6 5.9 14.2 78.1	⁸ 9, 784 181, 077 ² 1, 655, 971 7, 356, 917	8,595 31,382 235,406 2364,077 2,690,837	0.1 2.0 18.0 79.9	0.3 0.9 7.1 10.9 80.8
CLOTHING, MEN'S	207		======		6,856	5,760 1	00.0 1	.00.0	41, 475, 028	16,217,687 1	00.0 1		17, 874, 966		. [00,0
ess than \$5,000	13 51 76 46 10 11	57	24.6 36.7 22.2 4.8	17,4 38,0 26,8 14,6 3,3	14 208 1,220 1,389 755 3,174	6 3,522	17.9 20.3 11.0	2,4 17,1 19,4 61,1	39,625 598,827 3,820,447 10,187,513 6,816,509 20,512,107	4 6, 127, 928	24, 6 15, 2	0.7 5.8 16.1 39.7 37.8	3,891,404	1,300,014 5,052,328	2.9 12.8 1.8 5.6	1.3 10.2 18.1 70.3
CLOTHING, WOMEN'S	258	(=		00.0	6,271	6,076 1	00.0 1	00.0	30, 427, 592	13, 982, 587 1	00. 0 1	00. 0	12, 454, 075		[00.0
ess than \$5,000		114	46, 1 34, 1	4.5 20.3 56.4 18.8	3 241 1,616 3,339 1,072	2 3, 226 4	25.8	0, 4 5, 0 41, 5 53, 1	5,628 471,905 6,986,816 17,219,374 5,743,869	5, 746, 252 5 2 7, 729, 252	56.6	0.2 3.5 41.1 55.3	4,288 314,895 2,951,054 6,902,440 2,281,389	2,564,206 2 3,495,697 1	13.7 4 15.4 5	0.2 3.9 10.6 55.3
AND GRINDING	23	=====(=	00.0 1	00.0	512 3 .		<u>~</u> =	00.0	16,977,791	8, 675, 047 10	===	00. 0				0.0
0,000 to \$100,000. 00,000 to \$500,000. 00,000 and over. 1 Less than one-tonth	6 8 6	67 10 4	26.1 3 34.8 4 26.1 1	33.3 47.6 19.0	11 78 420	5 435 1	5.2 9 32.0	6.7 93.3	20, 559 322, 442 2, 724, 471 13, 910, 319 group ''\$1,000	2,024,356 1 6,375,467 8	L6.0	3.2 23.3 73.5	9,948 54,055 486,452 2,422,500	⁸ 58, 263 2, 274, 842 1	6.4 9	3.7 6.3

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¹ Less than one-tonth of 1 per cent. ² Includes the group "\$500,000 to \$1,000,000." ³ Includes the group "Less than \$5,000."

4 Includes the group '\$1,000,000 and over."
4 Includes the group '\$500,000 to \$1,000,000' and '\$1,000,000 and over."
6 Includes the group '\$5,000 to \$20,000."

603

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

	ES	NUMB	ER OF HMENT	s.		RAGE NU AGE EAI			VAL	UE OF PRODU	CTS.		VALUE ADI	DED BY MAN	UFACTI	JRE.
INDUSTRY AND VALUE OF PRODUCT.	1919	1914	Per dist dist buti	ent ri-	1919	1914	dis	cent tri- ion.	1919	1914	dis	cent tri- ion.	1919	1914	dis 	cent tri- ion.
CONFECTIONERY AND ICE CREAM.	278	273		101.4	11, 585	7, 250	100.0	100.0	\$68, 896, 885	\$22, 901, 916	100.0		\$ 28, 542, 876	\$9,061,208	100.0	1914
Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$500,000. \$500,000 to \$1,000,000. \$1,000,000 and over.		70 103 61 31 3 5	8.6 28.8 36.7 16.9 2.2 6.8	$\begin{array}{c} 25.\ 6\\ 37.\ 7\\ 22.\ 3\\ 11.\ 4\\ 1.\ 1\\ 1.\ 8\\ 100.\ 0\end{array}$	$ \begin{array}{r} 13 \\ 143 \\ 654 \\ 1,660 \\ 758 \\ 8,357 \\ 122,499 \\ \end{array} $	54 312 667 1 3, 289 2, 928 112, 609	0.1 1.2 5.6 14.3 6.6 72.1 100.0	0.7 4.3 9.2 45.4 40.4 100.0	$\begin{array}{r} 70, 433\\ 937, 685\\ 4, 668, 899\\ 10, 888, 687\\ 4, 429, 122\\ 47, 902, 059\\ 596, 687, 441\end{array}$	$178, 267 \\1, 045, 712 \\2, 443, 328 \\6, 019, 993 \\2, 479, 424 \\9, 836, 192 \\195, 481, 626$	$\begin{array}{c} 0.1 \\ 1.4 \\ 6.8 \\ 15.8 \\ 6.4 \\ 69.5 \\ 100,0 \end{array}$	0.8 4.6 10.7 30.2 10.8 42.9 100,0	$\begin{array}{r} 31,039\\ 407,672\\ 1,779,871\\ 3,903,545\\ 1,613,015\\ 20,807,734\\ 237,012,202 \end{array}$	01, 580 482, 664 1, 060, 441 1 3, 573, 888 3, 852, 635 76, 754, 374	0, 1 1, 4 6, 2 13, 7 5, 7 72, 9 100, 0	1.0 5.3 11.7 39.4 42.5
COTTON GOODS Less than \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over CUTLERY AND EDGE TOOLS	11	$ \begin{array}{r} 165 \\ 14 \\ 41 \\ $	5.8 13.1 13.1 68.1	100. 0 8. 5 24. 8 22. 4 44. 2 100. 0	$ \begin{array}{r} 122,499 \\ \hline 1,248 \\ 3,570 \\ 117,562 \\ 3,988 \end{array} $	731 124,045 87,833 1,947	$ \begin{array}{r} 0.1 \\ 1.0 \\ 2.9 \\ 96.0 \\ 100.0 \\ \end{array} $	0. 6 21. 4 78. 0	$\begin{array}{r} 500, 657, 441 \\ \hline \\ 603, 919 \\ 7, 226, 475 \\ 18, 398, 048 \\ 570, 458, 999 \\ 19, 672, 750 \end{array}$	$\frac{193,434,020}{1,243,516}$ $\frac{1,243,516}{11,342,770}$ $28,172,754$ $154,722,586$ $4,354,119$	$ \begin{array}{r} \hline 0.1 \\ 1.2 \\ 3.1 \\ 95.6 \\ 100.0 \\ \end{array} $	0.6 5.8 14.4 79.1	$\begin{array}{r} \underline{257, 102, 202} \\ \hline 252, 710 \\ 2, 393, 553 \\ 5, 938, 009 \\ 228, 427, 930 \\ 14, 261, 413 \end{array}$	10, 109, 374 498, 015 114, 745, 407 61, 510, 952 3, 520, 968	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 1.0 \\ 2.5 \\ 96.4 \\ 100.0 \\ \end{array} $	100.0 0.0 19.2 80.1
Less than \$5,000 \$5,000 to \$20,000. \$20,000 to \$100,000 \$100,000 and over DYEING AND FINISHING TEX-		9 11 9 8	5.9 27.5 33.3	24. 3 29. 7 24. 3 21. 6	3, 938 3 50 204 3, 725	1, 547 16 92 355 1, 484	0.1 1.4 5.1 93.4	0.8 4.7 18.2 76.2	8,033 138,314 670,910 18,855,493	4,334,113 32,211 147,222 570,152 3,604,534	(2) (2) (3, 4 95, 8	0.7 3.4 13.1 82.8	$\begin{array}{r} 19,201,413\\ \hline 0,013\\ 85,601\\ 479,353\\ 13,690,354 \end{array}$	23,489 108,557 422,211 2,968,711	(2) (3) (3, 4) (90, 0)	100.0 0.7 3.0 12.0 84.3
TILES, EXCLUSIVE OF THAT DONE IN TEXTILE MILLS Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$500,000 to \$1,000,000.	$\begin{array}{r} 62 \\ \hline 4 \\ 3 \\ 11 \\ 16 \\ 15 \end{array}$	57 3 5 20 21 5	6.5 4.8 17.7	8, 8 35, 1 36, 8 8, 8	12,321 7 9 251 1,168 2,417	³ 26 505 1 4, 976	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 2.0 \\ 9.5 \\ 19.6 \end{array} $	$ \underbrace{100.0}_{0.2} \\ 4.4 \\ 43.5 $	$\begin{array}{r} 75,261,815\\\hline11,817\\24,992\\666,706\\4,333,765\\10,665,853\end{array}$	22, 455, 080 ³ 33, 380 924, 240 5, 506, 201 8, 200, 653	$ \begin{array}{r} 100.0 \\ \hline $	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 4.1 \\ 24.5 \\ 14.7 \end{array} $	$\begin{array}{r} 31,052,277\\ 8,028\\ 13,608\\ 331,579\\ 2,424,729\\ 5,152,599\\ 5,152,599\end{array}$	11, 466, 083 ³ 21, 480 449, 817 ¹ 4, 741, 245	$ \begin{array}{r} 100.0 \\ \hline (2) \\ (1,1) \\ 7.8 \\ 16.6 \end{array} $	100.0 0.2 3.9 41.3
\$1,000,000 and over ELECTRICAL MACHINERY, AP- PARATUS, AND SUPPLIES	13 	6 	21.0 100.0	10. 5 .00. 0	2,417 8,469 23,889	5,930 17,125	68, 7 100, 0	51. 8 100. 0	59, 558, 682 01, 938, 738	12,700,812 43,869,294	79.1 100.0	56. 6 100. 0	<u>60, 101, 662</u>	6, 253, 541 26, 172, 387	74.5 100.0	54.5 100.0
Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$100,000. \$100,000 to \$100,000. \$1,000,000 and over.	7 14 37 30 11 11	9 20 30 23 4 5	$\begin{array}{c} 6.4 \\ 12.7 \\ 33.6 \\ 27.3 \\ 10.0 \\ 10.0 \end{array}$	9.9 22.0 33.0 25.3 4.4 5.5	13 73 491 1,712 1,820 19,780	9 102 606 1 3, 393 12, 925	0.1 0.3 2.1 7.2 7.6 82.8	$\begin{array}{r} 0.1 \\ 0.6 \\ 4.1 \\ 19.8 \\ \\ 75.5 \end{array}$	23,788 198,054 1,656,346 6,905,059 7,586,377 75,569,114	$\begin{array}{r} 25,799\\ 211,311\\ 1,564,018\\ 5,325,128\\ 2,548,058\\ 34,194,980\end{array}$	(2) 0.2 1.8 7.5 8.3 82,2	$\begin{array}{r} 0.1 \\ 0.5 \\ 3.6 \\ 12.1 \\ 5.8 \\ 77.9 \end{array}$	$13,985 \\112,741 \\1,013,713 \\3,821,343 \\4,193,503 \\50,946,377$	15, 179 115, 840 928, 058 1 4, 945, 413 20, 167, 897	(²) 0.2 1.7 6.4 7.0 84.8	0.1 0,4 3.6 18.9 77.0
FOUNDRY AND MACHINE-SHOP PRODUCTS 4. Less than \$5,000. \$20,000 to \$20,000. \$100,000 to \$100,000. \$100,000 to \$1,000,000. \$1,000,000 and over	$\begin{array}{r} 765 \\ \hline 72 \\ 157 \\ 265 \\ 187 \\ 44 \\ 40 \end{array}$	705 120 232 220 108 19 6	9.4 20.5 34.6	00. 0 17. 0 32. 9 31. 2 15. 3 2. 7 0. 9	51,680 61 528 3,833 10,827 6,743 29,688	32, 687 161 1, 306 5, 320 15, 970 9, 930	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 1.0 \\ 7.4 \\ 21.0 \\ 13.0 \\ 57.4 \\ \end{array} $	100.0 0.5 4.0 16.3 48.9 30.4	201, 538, 303 205, 375 1, 848, 720 13, 041, 565 41, 982, 430 30, 363, 084 114, 097, 120	$\begin{array}{r} \underline{65, 605, 409} \\ \hline 324, 754 \\ 2, 486, 000 \\ 10, 299, 385 \\ 21, 561, 669 \\ 12, 063, 006 \\ 17, 970, 688 \end{array}$	100.0 0.1 0.9 6.5 20.8 15.1 56.6	100.0 0.5 3.8 15.7 32.9 10.8 27.4	$\begin{array}{r} \underline{131,842,083}\\ \hline 151,115\\ 1,249,845\\ 8,299,172\\ 26,195,614\\ 18,881,983\\ 77,064,354 \end{array}$	42, 310, 005 240, 635 1, 732, 300 6, 410, 648 20, 677, 355 13, 248, 977	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 0.9 \\ 6.3 \\ 19.9 \\ 14.3 \\ 58.5 \end{array} $	100.0 0.6 4.1 15.2 48.9 31.3
FURNITURE Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$500,000. \$500,000 and over	$ \begin{array}{r} 161 \\ 35 \\ 60 \\ 48 \\ 7 7 $	134 15 34 55 530	6.8 21.7 37.3 29.8	$\begin{array}{c} \underline{00,0}\\ \hline 11,2\\ 25,4\\ 41,0\\ 22,4\\ \end{array}$	6,342 802 2,447 2,879	6,813 27 172 1,295 5,319	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 1.8 \\ 14.1 \\ 38.6 \\ 45.4 \\ \end{array} $	100. 0 0. 4 2. 5 19. 0 78. 1	$\begin{array}{r} 23,688,923\\ \hline 26,004\\ 376,947\\ 3,162,959\\ 9,976,772\\ 10,146,241 \end{array}$	13,826,765 42,766 350,872 2,714,001 5 10,719,126	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 1.6 \\ 13.4 \\ 42.1 \\ 42.8 \\ \end{array} $	$ \begin{array}{r} 100.0 \\ \hline 0.3 \\ 2.5 \\ 19.6 \\ 77.5 \end{array} $	$\begin{array}{r} 13,030,675\\\hline 16,006\\222,175\\1,704,309\\5,771,532\\5,316,653\end{array}$	8, 178, 813 29, 334 222, 329 1, 608, 475 \$ 6, 318, 675	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 1.7 \\ 13.1 \\ 44.3 \\ 40.8 \\ \end{array} $	$ \begin{array}{r} 100.0 \\ \hline 0.4 \\ 2.7 \\ 19.7 \\ 77.3 \\ \hline \end{array} $
GAS, ILLUMINATING AND HEAT- ING	15 5 7	5 7 28 12 7 9	5.9 41.2 29.4 9.8 13.7	$ \begin{array}{r} 00.0 \\ \overline{8.2} \\ 11.5 \\ 45.9 \\ 19.7 \\ 14.8 \\ \end{array} $	2,654 ⁶ 2 200 548 450 1,454	3, 182 7 17 398 5 2, 760	100.0 0.1 7.5 20.6 17.0 54.8	100. 0 0. 2 0. 5 12. 5 86. 7	24, 231, 095 ⁶ 10, 135 ¹ , 182, 461 3, 618, 046 4, 124, 295 15, 296, 158	<u>15,751,037</u> <u>11,959</u> <u>67,410</u> 1,568,691 <u>3,260,143</u> 7 10,843,434	$ \begin{array}{r} 100.0 \\ \hline $	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 0.4 \\ 10.0 \\ 20.6 \\ 68.9 \\ \hline \end{array} $	$\begin{array}{r} 13,457,531\\\hline & 4,360\\\hline \\ & 626,101\\1,905,856\\2,342,103\\8,579,111\end{array}$	0, 800, 244 6, 504 42, 354 923, 050 6 8, 828, 240	$ \begin{array}{r} 100.0 \\ \hline (2) \\ \hline 4.7 \\ 14.2 \\ 17.4 \\ 03.7 \\ \end{array} $	100.0 0.1 0.4 9.4 90.1
JEWELRY. Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$100,000. \$500,000 to \$1,000,000. \$1,000,000 and over. KNIT GOODS.	165 9 30 45 68 8 5 77	32 46 81 5 43	5.5 18.2 27.3 41.2 4.8 3.0	00. 0 15. 8 22. 8 40. 1 21. 3 00. 0	6,786 9 102 752 4,039 991 893 12,751	6, 505 36 278 2, 201 5 3, 990 10, 635	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 1.5 \\ 11.1 \\ 59.5 \\ 14.6 \\ 13.2 \\ 100.0 \\ \end{array} $	100. 0 0. 6 4. 3 33. 8 61. 3 100. 0	$\begin{array}{r} 34,816,822\\ \hline 27,817\\ 364,560\\ 2,516,791\\ 15,408,283\\ 5,405,121\\ 11,004,250\\ 52,424,235\\ \end{array}$	14, 175, 857 92, 713 504, 524 4, 098, 979 5 9, 479, 641 17, 419, 077	0, 1 1, 0 7, 2 44, 3 15, 8 31, 6	100, 0 0, 7 3, 6 28, 9 66, 9 100, 0	$\begin{array}{r} 16,452,320\\ \hline 21,732\\ 247,700\\ 1,550,232\\ 8,705,650\\ 2,940,358\\ 2,974,630\\ 91,951,670\\ \end{array}$	7, 465, 725 67, 380 354, 001 2, 562, 721 5 4, 481, 617	0, 1 1, 5 9, 5 52, 9 17, 9 18, 1	100. 0 0. 9 4. 7 34. 3 60. 0
Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over LEATHER, TANNED, CURRIED,	6 6 14 29 10 12	$ \begin{array}{r} 14 \\ 9 \\ 24 \\ 21 \\ 6 \end{array} $	7.8 7.8 18.2	18. 2 11. 7 31. 2 27. 3 7. 8 3. 9	3 26 184 1,624 1,883 9,031	7 52 586 1 4, 253 5, 737	(2) 0.2 1.4 12.7 14.8 70.8	0.1 0.5 5.5 40.0 53.9	16, 887 72, 743 701, 378 7, 191, 671 6, 604, 875 37, 836, 681	$\begin{array}{r} 21,691\\ 113,737\\ 1,403,346\\ 4,559,069\\ 4,025,214\\ 7,295,120\end{array}$	$\begin{array}{c} 100.0 \\ \hline (2) \\ 0.1 \\ 1.3 \\ 13.7 \\ 12.6 \\ 72.2 \end{array}$	$ \begin{array}{c} 100.0 \\ \hline 0.1 \\ 0.7 \\ 8.1 \\ 20.2 \\ 23.1 \\ 41.9 \\ \end{array} $	$\begin{array}{r} \underline{21,251,672}\\ \hline 10,401\\ 30,788\\ 271,225\\ 2,751,693\\ 2,881,085\\ 15,305,790 \end{array}$	8, 152, 406 13, 178 53, 790 695, 920 1 3, 949, 701 3, 439, 700	$ \begin{array}{r} 100.0 \\ \hline $	100. 0 0. 2 0. 7 8. 5 48. 4 42. 2
AND FINISHED. Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$100,000. \$1,000,000 asl,000,000. \$1,000,000 and over.	131 ⁸ 13 39 38 12 29 79	5 18 45 40 5 13	9,9 29,8 29,0 9,2 22,1	$\begin{array}{r} 00.0\\ \hline 4.0\\ 14.3\\ 35.7\\ 31.7\\ 4.0\\ 10.3\\ 00.0\\ \end{array}$	906 11, 147	10, 164 149 1, 060 1 3, 094 5, 847	$\begin{array}{r} 0.3 \\ 4.7 \\ 15.6 \\ 6.0 \\ 73.4 \end{array}$	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 1.5 \\ 10.4 \\ 30.4 \\ 57.5 \end{array} $	129, 504, 962 * 137, 538 2, 293, 788 9, 702, 495 8, 011, 360 109, 449, 781	$\begin{array}{r} 45,265,434\\\hline14,425\\183,186\\2,000,157\\9,523,317\\3,226,217\\30,228,132\end{array}$	100.0 0.1 1.8 7.5 6.2 84.5	$ \begin{array}{r} 100.0 \\ \hline \begin{array}{r} $	47, 577, 707 ⁸ 89, 024 1, 373, 303 5, 782, 888 2, 627, 857 37, 704, 635	12, 071, 373 9, 613 122, 544 1, 033, 746 1 4, 020, 021 6, 885, 449	0.2 2.0 12.2 5.5 70.2	100. 0 0. 1 1. 0 8. 6 33. 3 57. 0
PAPER AND WOOD PULP. Less than \$20,000. \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over ¹ Includes the group "\$500,000 t	⁸ 22 29 27	5 14 32 28 7	28. 2 37. 2 34. 6	02.01	4.186 I	13, 401 26 315 1 9, 854 3, 206	100. 0 7. 9 32. 3 59. 8	$ \begin{array}{r} 100.0 \\ \hline 0.2 \\ 2.4 \\ 73.5 \\ 23.9 \end{array} $	87, 159, 890 8 5, 426, 907 22, 745, 408 58, 987, 575	51, 543 817, 600 9, 640, 125 18, 853, 283 13, 989, 994	6. 2 26. 1 67. 7	02.0 11	9, 082, 826 22, 036, 882	16, 741, 797 19, 908 345, 060 11,267, 025 5, 100, 894 \$1,000,000	6.8 27.2 66.0	

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

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

		NUMB TABLIS	ER OF HMENT	s.		AGE NU		OF .	VALO	JE OF PRODU	CTS.		VALUE ADD	ED BY MAN	UFACTI	JRE.
INDUSTRY AND VALUE OF PRODUCT.		1914	Per dist buti	cent tri-	1919	1914	Per o dist buti	ri-	1919	1914	Per dis but	tri-	1919	1914	Per dis but	tri-
			1919	1914			1919	1914		·	1919	1914			1919	1914
PRINTING AND PUBLISHING, BOOK AND JOB.	768	741	100, 0	100.0	7, 634	7,062	100. 0	100.0	\$41, 626, 859	\$20, 245, 246	100.0	100. 0	\$28, 691, 774	\$14, 731, 508	100. 0	100. 0
Less than \$5,000. 5,000 to \$20,000. 20,000 to \$100,000. 100,000 to \$100,000. 500,000 to \$1,000,000. 1,000,000 and over.	$227 \\ 209 \\ 181 \\ 48 \\ 6 \\ 7$	335 256 116 29 2 5	29.638.923.66.20.80.9	$\begin{array}{c} 45.2 \\ 34.5 \\ 15.7 \\ 3.9 \\ 0.7 \end{array}$	$102 \\ 839 \\ 2,030 \\ 2,143 \\ 644 \\ 1,876$	325 1, 185 2, 022 1 3, 530	$\begin{array}{c} 1.3\\11.0\\26.6\\28.1\\8.4\\24.6\end{array}$	4.6 16.8 28.6 50.0	$\begin{array}{r} 557,654\\ 3,034,221\\ 7,760,693\\ 10,123,483\\ 4,050,495\\ 16,100,313\end{array}$	794, 148 2, 481, 212 4, 856, 948 5, 914, 975 2 6, 197, 963	1.37.318.624.39.738.7	3.9 12.3 24.0 29.2 30.6	$\begin{array}{c} 387, 459\\ 2, 011, 580\\ 5, 256, 724\\ 7, 024, 933\\ 3, 064, 630\\ 10, 946, 448\end{array}$	584, 232 1, 815, 757 3, 329, 499 1 9, 002, 020	$\begin{array}{c} 1.3 \\ 7.0 \\ 18.3 \\ 24.5 \\ 10.7 \\ 38.2 \end{array}$	4.0 12.3 22.6 61.1
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIOD- ICALS.	412	456	100 . 0	100.0	5, 885	6, 032	100. 0	100.0	46, 801, 145	26 , 719, 398	100.0	100.0	30, 327, 990	18, 270, 255	100.0	100. (
Less than \$5,000. 5,000 to \$20,000. 20,000 to \$100,000. 100,000 to \$100,000. 500,000 to \$100,000. 1,000,000 to \$1,000,000. 1,000,000 and over.	111 141 105 41 7 7	$127 \\ 187 \\ 106 \\ 20 \\ 4 \\ 6$	26.934.225.510.01.71.7	27.941.023.25.70.91.3	46 384 862 1,656 615 2,322	88 708 1,303 8 2,018 1,915	0.8 6.5 14.6 28.1 10.5 39.5	$ \begin{array}{r} 1.5 \\ 11.7 \\ 21.6 \\ 33.5 \\ 31.7 \\ 31.7 \\ \end{array} $	$\begin{array}{r} 271,024\\ 1,576,560\\ 4,429,413\\ 9,525,956\\ 5,184,382\\ 25,813,810\end{array}$	311, 384 1, 913, 208 4, 381, 486 5, 264, 983 2, 771, 884 12, 076, 453	$\begin{array}{c} 0.6\\ 3.4\\ 9.4\\ 20.4\\ 11.1\\ 55.2 \end{array}$	$1.2 \\ 7.2 \\ 16.4 \\ 19.7 \\ 10.4 \\ 45.2$	$\begin{array}{r} 232,650\\ 1,290,530\\ 3,371,457\\ 7,208,828\\ 3,734,272\\ 14,490,253\end{array}$	277, 893 1, 614, 075 3, 497, 120 8 6, 017, 985 6, 803, 173	0.8 4.3 11.1 23.8 12.3 47.8	1, 8 8, 8 19, 1 32, 9 37, 6
RUBBER TIRES, TUBES, AND RUBBER GOODS, NOT ELSE- WHERE SPECIFIED	47	42	100.0	100. 0	9, 400	4, 743	100.0	100. 0	93, 376, 505	23, 011, 349	100.0		46, 300, 522	8, 869, 611	100. 0	-
Less than \$5,000. 5,000 to \$20,000. 20,000 to \$100,000. 500,000 to \$500,000. 500,000 to \$1,000,000. 1,000,000 and over.	45 8 17 8 9	5 8 11 8 6 4	10, 6 17, 0 36, 2 17, 0 19, 1	11.919.020.219.014.39.5	4 10 127 994 751 7, 524	6 43 187 8 1, 725 2, 782	$\begin{array}{c} 0.1 \\ 1.4 \\ 10.6 \\ 8.0 \\ 80.0 \end{array}$	$0.1 \\ 0.9 \\ 3.9 \\ 36.4 \\ 58.7$	4 37, 209 515, 615 4, 394, 000 6, 337, 551 82, 091, 230	$\begin{array}{r} 13,005\\90,087\\648,481\\1,585,974\\4,077,724\\16,596,078\end{array}$	(5) 0.6 4.7 6.8 87.9	$\begin{array}{c} 0.1 \\ 0.4 \\ 2.8 \\ 6.9 \\ 17.7 \\ 72.1 \end{array}$	⁴ 18, 409 231, 512 2, 115, 821 2, 425, 621 41, 509, 159	7, 493 50, 333 252, 178 3 2, 299, 937 6, 259, 670	(⁵) 0.5 4.6 5.2 89.7	25. 9
SILK GOODS, INCLUDING THROW- STERS	21	19	100.0	100.0	5, 697	4, 495	100. 0	100.0	34, 193, 951	10, 676, 681	100.0	100. 0	14,950,468	4, 715, 544		=
22,000 to \$100,000 100,000 to \$500,000 500,000 to \$1,000,000 1,000,000 and over	5 4 5 7	*8 *8 3	23.8 19.0 23.8 33.3	$\begin{array}{c} 42.1 \\ 42.1 \\ 15.8 \end{array}$	80 213 555 4, 849	⁶ 142 ⁸ 1, 021 3, 332	$ \begin{array}{r} 1.4 \\ 3.7 \\ 9.7 \\ 85.1 \\ \end{array} $	3. 2 22. 7 74. 1	317, 775 1, 238, 960 3, 840, 793 28, 796, 423	⁶ 279, 407 ⁸ 2, 776, 905 7, 620, 369	0.9 3.6 11.2 84.2		165, 319 401, 654 1, 303, 820 13, 079, 675	⁶ 113, 517 ⁸ 1, 243, 065 3, 358, 962	1.1 2.7 8.7 87.5	2. 26, 71.
SLAUGHTERING AND MEAT PACK- ING	40	46	100.0	100.0	4,307	3, 233	100.0	100.0	110, 238, 038	51, 724, 520	100.0		9,002,698	6, 296, 181 4, 711	=	100.
Less than \$5,000 \$5,000 to \$20,000 \$100,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over.	48 12 8 3 9	4 7 12 11 3 9	$\begin{array}{c} 20.0\\ 50.0\\ 20.0\\ 7.5\\ 22.5\end{array}$	$\begin{array}{r} 8.7 \\ 15.2 \\ 20.1 \\ 23.9 \\ 6.5 \\ 19.6 \end{array}$	45 37 56 69 4,140	2 8 55 8 171 2, 997	$\begin{array}{c} 0.1 \\ 0.9 \\ 1.3 \\ 1.6 \\ 96.1 \end{array}$	0.1 0.2 1.7 5.3 92.7	$\begin{array}{r} 4 \ 90, 225 \\ 594, 052 \\ 1, 743, 174 \\ 2, 308, 013 \\ 105, 501, 674 \end{array}$	2, 460, 227 1, 824, 648 46, 841, 559	$ \begin{array}{c} 0.5 \\ 1.6 \\ 2.1 \\ 95.7 \\ \end{array} $	0.9 4.8 3.5 90.6	247, 530 260, 334 8, 317, 775	32, 070 120, 568 8 435, 378 5, 703, 454	0,3 1.7 2.7 2.9 92.4	0. 1. 6. 90.
SOAP	al restaura	32	100.0	100.0	1,008	460	100.0	100.0	18,729,572	4, 671, 310	(5)	0.4	7,556,340	8, 875	(5)	0.
Less than \$5,000	9 4 38 3	7 6 110	$ \begin{array}{c} 33, 3\\ 14, 8\\ 29, 6\\ 11, 1 \end{array} $	21.9 18.8 31.2	14 24 8 161 808	17 49 1 388	1.4	3.7 10.7 84.3	100, 894 231, 825 8 2, 853, 376 15, 537, 186	337,066	0.5 1.2 15.2 83.0	1.6 7.2 90.7	38, 979 73, 825 8 806, 017 6, 574, 558	30, 359 84, 515 1 2, 071, 541	1.0	3. 94.
STATIONERY GOODS, NOT ELSE- WHERE SPECIFIED		27	100.0	100.0	3, 305	2, 467		100. 0	15, 161, 819				=	2,959,442	=	100.
Less than \$5,000 \$5,000 to \$20,000. \$20,000 to \$100,000 \$100,000 to \$500,000. \$500,000 to \$1,000,000 \$10,00,000 and over		5 5 5 8 14	$\begin{array}{c} 23.3 \\ 16.7 \\ 80.7 \\ 10.0 \\ 13.3 \end{array}$	$18.5 \\ 18.5 \\ 18.5 \\ 29.6 \\ 14.8 \\$	4 10 67 861 281 2,086	12 22 128 12,305	$ \begin{array}{c c} 0.3 \\ 2.0 \\ 26.1 \\ 8.5 \\ \end{array} $	0.5 0.9 5.2 93.4	$\begin{array}{r} 447,025\\249,743\\3,402,315\\2,048,084\\9,413,152\end{array}$	341, 389 1, 597, 682 2 4, 507, 836	$\begin{array}{r} 0.3 \\ 1.6 \\ 22.4 \\ 13.5 \\ 62.1 \end{array}$	5.2 24.5 69.2	4 22, 113 142, 582 1,710, 361	26, 968 146, 131 1 2, 777, 953	$ \begin{array}{c c} 0.3 \\ 1.8 \\ 21.7 \\ 14.1 \\ 0.0 \\ $	0. 4. 93.
TOOLS, NOT ELSEWHERE SPECI- FIED	117	100	100.0	100.0	7, 220	4, 538	100.0	100.0	29, 158, 834						= ====	_
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	27 15 5	36 27 22 10 25	$ \begin{array}{r} 18.8\\33.3\\23.1\\12.8\\4.3\\7.7\end{array} $	36.0 27.0 22.0 10.0 5.0	23 163 459 678 960 4,943	53 171 535 13,779	6.4	$ \begin{array}{c} 1.2 \\ 3.8 \\ 11.8 \\ 83.3 \\ $	$\begin{array}{c} 67,434\\ 435,981\\ 1,336,764\\ 2,812,393\\ 3,721,382\\ 20,784,880\end{array}$	296, 414 829, 491 2, 557, 641 2 4, 843, 509	$ \begin{array}{c c} 0.2\\ 1.5\\ 4.6\\ 9.6\\ 12.8\\ 71.3 \end{array} $	3, 4 9, 6 29, 7	936, 338	210, 160 546, 934 1 5, 231, 981	1.4 4.4 8.0 . 11.0 . 73.0	8. 9. 86.
WOOLEN GOODS	111	. 86	100.0	100.0	17, 568			100.0	105, 183, 068		-	=				
\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,060,000 and over	5 5 33 29 30	4 3 13 59 8 3	29.7	68.6 9.3	28 64 2,299 3,015 11,562	2,953	$ \begin{array}{c} 13.1 \\ 20.6 \\ 65.8 \end{array} $	74.4	54, 515 231, 037 9, 898, 253 20, 986, 540 74, 012, 723	900, 148 15, 193, 894 5, 473, 180 6, 802, 771	9.4 20.0 70.4	3.2 53.5 19.3 24.0	152, 560 4, 358, 279 8, 463, 982 30, 068, 693	347, 294 \$ 8, 394, 860 2, 939, 920	10.1	$ \begin{array}{c c} 3. \\ 71. \\ 3. \\ 25. \\ \end{array} $
WORSTED GOODS	. 71	-	-	=	36, 296	39, 533	-	100.0	237, 443, 077	42, 552		. (ů)		36,74		
\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	- II - 10	21	23.9 21.1	30.0	7 1, 105 2, 253 32, 938	3S 3 8, 102	3.0 6.2	1.0 20.5	7 3,918,819 12,188,794 221,335,464	599, 762 4, 868, 917 16, 192, 561	1.7	0.6	7 1, 994, 990 4, 316, 457		5 2.8 . 5.0	0

¹ Includes the groups "\$500,000 to \$1,000,000" and "\$1,000,000 and over." ² Includes the group "\$1,000,000 and over." ³ Includes the group "\$500,000 to \$1,000,000." ⁴ Includes the group "Less than \$5,000."

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⁵ Less than one-tanth of 1 per cent. ⁶ Includes the group "\$5,000 to \$20,000." ⁷ Includes the group "\$20,000 to \$100,000."

605

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

		<u></u> ,		. VALUE C	T	VALUE ADD	FD BY		-47	WA	GE	VALUE	OF	VALUE ADD	ED BY
	t estal nts.	WA EARN		PRODUCT		MANUFAC			of estab- ents.	EARN	ERS.	PRODUC	rs.	MANUFACT	URE,
CITY AND VALUE OF PRODUCT.	Number of estab- lishments.	Aver- age num- ber.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cont of total.	CITY AND VALUE OF PRODUCT.	Number of Ishment	Aver- age num- ber,	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
Adams	32	3,974	100. 0	\$15,076,858	100.0	\$6,937,344	100.0	CLINTON	33	4, 155	100. 0	\$15, 179, 819	100.0	\$6,909,775	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 ¹ \$1,000,000 and over	7	2 34 42 639 3,257	$\begin{array}{c} 0.1 \\ 0.9 \\ 1.0 \\ 16.1 \\ 82.0 \end{array}$	$18,565 \\ 88,510 \\ 260,735 \\ 3,494,894 \\ 11,214,154$	$\begin{array}{c c} 0.1 \\ 0.6 \\ 1.7 \\ 23.2 \\ 74.4 \end{array}$	$\begin{array}{r} 8,939\\ 43,700\\ 101,703\\ 1,374,057\\ 5,408,945\end{array}$	$0.1 \\ 0.6 \\ 1.5 \\ 19.8 \\ 78.0$	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 ¹ \$1,000,000 and over	$ \begin{array}{r} 3 \\ 16 \\ 6 \\ 4 \\ 4 \\ 4 \end{array} $	40 85 227 3,803	1.0 2.0 5.5 91.5	$\begin{array}{r} 3,825\\192,333\\291,708\\1,584,728\\13,107,225\end{array}$	(8) 1.3 1.9 10.4 86.3	$\begin{array}{c} 2,055\\ 105,450\\ 157,195\\ 483,502\\ 6,160,973 \end{array}$	(⁸) 1,5 2,3 7,0 89,2
AMESBURY	44	3,173	100.0	16,309,509	100.0	6, 892, 541	100.0	DANVERS		1,474	100.0	11, 541, 839	100.0	3,874,052	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over	11 11	$\begin{smallmatrix}&&4\\&&29\\&158\\&&610\\&2,372\end{smallmatrix}$	$\begin{array}{c} 0.1 \\ 0.9 \\ 5.0 \\ 19.2 \\ 74.8 \end{array}$	$\begin{array}{r} 19,707\\ 117,893\\ 584,401\\ 4,681,882\\ 10,905,626\end{array}$	$ \begin{array}{c c} 0.1 \\ 0.7 \\ 3.6 \\ 28.7 \\ 66.9 \\ \end{array} $	$\begin{array}{c c} 11,904\\ 59,946\\ 217,712\\ 1,453,063\\ 5,140,916\end{array}$	0.9 3.2 21.1	Less than \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 ¹ \$1,000,000 and over DEDHAM		37 69 707 661 463	2.5 4.7 48.0 44.8 100.0	105,732 259,388 2,266,438 8,910,281 1,737,673	0.9 2.2 19.6 77.2	$59,363 \\108,630 \\1,142,720 \\2,563,330 \\923,905$	1, 5 2, 8 29, 5 66, 2 100, 0
ARLINGTON		228	100.0	1,006,207	100.0	583, 587	100.0			5 27	1.1	15, 549 97, 162	0.9	10,758 68,181	1.2
Less than \$5,000 \$5,000 to \$20,000 \$20,000 and over	11 12	$\begin{array}{c}2\\38\\188\end{array}$	0.9 16.7 82.5	9, 884 136, 750 859, 573	$1.0 \\ 13.6 \\ 85.4$	5,930 66,767 510,884	11.4 87.5	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 and over	3	24 407	5.8 5.2 87.9	108, 116 1, 456, 846 37, 942, 121	9.7 83.8	68,452 781,514	7.4 6.9 84.6
ATTLEBORO		6,763	100.0	34, 471, 577 56, 083	100.0	15,901,897 44,232		EASTHAMPTON		4,142	100.0	15 400	(3)	10, 898, 213	100.0 0.1 0.5
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over	36 29 47	135 380 3,219 3,015	2.0 5.6 47.6 44.6	424, 058 1, 402, 636 17, 219, 766 15, 369, 034	$ \begin{array}{c} 1.2\\ 4.1\\ 50.0\\ 44.6 \end{array} $	306, 847 786, 610 7, 664, 733 7, 099, 475	$ \begin{array}{r} 1.9 \\ 4.9 \\ 48.2 \end{array} $	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 ¹ \$1,000,000 and over	8 7 5 4 4	29 36 240 3,832	0.7 0.9 5.8 92.5	$\begin{array}{c c} 13,409\\ 103,549\\ 210,467\\ 1,923,718\\ 35,688,918 \end{array}$	(³) 0.3 0.6 5.1 94.1	50, 478 85, 247 932, 389 9, 819, 235	0.8
Belmont ²	6	93	100. 0	374, 586	100.0	166, 388	100.0	Everett		4, 523	100.0	35,775,728		16,716,647	100.0
BEVERLY Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000	10 21 21	6,495 11 63 232 500	0.2 1.0 3.6	21,829,684 30,151 215,596 943,210 2,464,928	0.1 1.0 4.3	13,091,290 20,580 115,907 464,357 1,045,881	0.2 0.9 3.5	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	1 27	6 61 397 956 727 2,376	$\begin{array}{c c} 0.1 \\ 1.3 \\ 8.8 \\ 21.1 \\ 16.1 \\ 52.5 \end{array}$	$\begin{array}{c} 21,191\\247,905\\1,774,654\\5,406,497\\4,414,720\\23,910,755\end{array}$	$ \begin{array}{c c} 0,1\\ 0,7\\ 5,0\\ 15,1\\ 12,3\\ 60,8\\ \end{array} $	$ \begin{bmatrix} 13,609\\ 149,257\\ 858,721\\ 2,370,922\\ 1,736,022\\ 11,558,026 \end{bmatrix} $	$ \begin{array}{c c} 0.1\\ 0.9\\ 5.1\\ 14.2\\ 10.4\\ 69.3 \end{array} $
\$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	3	560 537 5,092	8.6 8.3 78.4	2,464,238 2,557,455 15,619,034	11.3 11.7 71.5	1,017,331	7.8	FALL RIVER		37,015	100.0	163, 246, 082	100.0	67, 065, 698	
BOSTON	1	88,759	100. 0	618, 921, 962	100.0	269, 316, 071	100.0	Less than \$5,000	01	$\frac{24}{254}$	0.1	102,379 1,025,965	0.1		0.1
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	112	$\begin{array}{r} 230 \\ 2,770 \\ 11,249 \\ 21,695 \\ 11,165 \\ 41,650 \end{array}$	$\begin{array}{c c} 0.3\\ 3.1\\ 12.7\\ 24.4\\ 12.6\\ 46.9 \end{array}$	998,872 9,968,945 49,527,446 128,804,691 79,592,823 350,029,185	$\begin{array}{c} 0.2 \\ 1.6 \\ 8.0 \\ 20.8 \\ 12.9 \\ 56.6 \end{array}$	663,098 6,322,750 27,229,300 62,274,153 34,329,380 138,497,324	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over Firchburg	. 10 . 48	812 1,180 1,690 33,055 9,907	2.2 3.2 4.6	3,759,522 5,120,391 7,584,606 145,647,219 58,104,842	$ \begin{array}{c c} 2.3 \\ 3.1 \\ 4.6 \\ 89.2 \end{array} $	1,604,673 2,114,423 3,432,307	2, 4 3, 2 5, 1 88, 4
BRAINTREE			100.0	11, 974, 839	100.0	4, 825, 514		Less than \$5,000	15	10	0.1	44,401	0.1	24,883 135,533	0, 1
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$1,000,000 and over	5 4 4	2 15 32 160 1,967	0.1 0.7 1.5 7.4 90.4	8,140 48,993 188,137 1,031,459 16,698,110	0.1 0.4 1.6 8.6 80.3	6, 295 31, 007 70, 550 407, 877 4, 309, 776	0.6 1.5 8.5	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over FRAMINGHAM		70 308 1,489 838 7,192	0.7 3.1 15.0 8.5 72.0	243,162 1,605,838 6,758,769 4,144,150 45,308,522	0,4 2.8 11.6 7.1 78.0	775,720 3,209,429 2,048,422 15,825,933 8,402,362	3.5 14.9 9.3 71.6
BROCKTON	217	18,059	100 . 0	117, 855, 025	100.0	43, 141, 744		Less than \$5,000	1	4,362	100.0	18,842,173	0.1	13,085	0.2
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$100,000 \$500,000 to \$1,000,000 \$1,000,000 and over	68 53 17	7 114 799 1,987 2,000 13,152	(3) 0.6 4.4 11.0 11.1 72.8	$\begin{array}{c c} 36,979\\ 459,750\\ \textbf{3},634,659\\ 12,788,478\\ 11,820,878\\ 89,108,281\end{array}$	04	$\begin{array}{r} 26,753\\ 261,643\\ 1,755,739\\ 5,117,010\\ 5,342,469\\ 30,638,130\end{array}$		\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	21 11 9 6 4	50 82 516 894 2,810	$ \begin{array}{c} 1.1\\ 1.9\\ 11.8\\ 20.5\\ 64.4\\ 100 0 \end{array} $	233, 112 491, 850 1, 916, 066 4, 361, 445 11, 820, 450	$ \begin{array}{r} 1.2 \\ 2.6 \\ 10.2 \\ 23.1 \\ 62.7 \\ \end{array} $	$\begin{array}{r} 132,966\\ 252,096\\ 841,799\\ 2,053,507\\ 5,198,909\end{array}$	$ \begin{array}{r} 1, 6\\ 3, 0\\ 9, 9\\ 24, 2\\ 61, 2 \end{array} $
BROOKLINE		484	100.0	2, 243, 311	100.0	1,201,359	100.0	GARDNER		4,036	100.0	13, 599, 682 24, 967	-	8, 413, 483 16, 340	
Less than \$20,000 \$20,000 to \$100,000 \$100,000 and over CAMBRIDGE	5	25 179 280 22,550	5.2 37.0 57.9 100.0	128,984 650,691 1,463,636 127,864,901		89, 103 362, 228 750, 028 58, 737, 978	30. 2 62. 4	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over	13 24 20 6	37 377 1,344 2,271	0.9 9.3 33.3 56.3	24,967 134,118 1,163,159 4,897,094 7,380,344	8.0	77, 108 674, 832 2, 971, 130 4, 673, 983	0.9 8.0 35.3 55.6
Less than \$5.000	32	16	0.1		-1	-		GLOUCESTER		2,684	100.0	18, 803, 673	-	6,094,623	-
\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$100,000 \$500,000 to \$1,000,000 \$1,000,000 and over	82 98 84 16	261 1,030 5,275 2,409 13,559	$ \begin{array}{r} 1,2\\ 4.6\\ 23.4\\ 10.7\\ 60.1 \end{array} $	$\begin{array}{r} 91,347\\ 073,522\\ 4,682,382\\ 22,890,684\\ 11,780,603\\ 87,437,363\end{array}$	$\begin{array}{c} 0.8 \\ 3.7 \\ 17.9 \\ 9.2 \\ 68.4 \end{array}$	$\begin{array}{r} 62,575\\575,203\\2,294,140\\11,357,025\\6,031,067\\38,417,968\end{array}$	$ \begin{array}{r} 1.0 \\ 3.9 \\ 19.3 \\ 10.3 \\ 65.4 \end{array} $	Less than \$5,000 \$5,000 to \$20,000. \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over	26	576 247 496 1,860	0.2 2.8 9.2 18.5 69.3	$\begin{array}{r} 34,012\\ 276,551\\ 1,241,594\\ 3,702,385\\ 13,489,131\end{array}$	6.0	$\begin{array}{r} 17,738\\ 153,370\\ 569,693\\ 1,257,028\\ 4,096,794 \end{array}$	20.6
CHELSEA		6,580		32, 536, 518	-	15,833,334		GREENFIELD	53	2,750	100. 0	9, 481, 382	100.0	6,641,333	-
Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000 \$100,000 to \$100,000 \$500,000 to \$1,000,000 \$1,000,000 and over	. 21 . 41 . 31 . 4	10 47 342 1,293 494 4,394	0.7 5.2 19.7 7.5	$\begin{array}{r} 44,251\\192,439\\1,822,811\\6,287,059\\2,997,512\\21,192,446\end{array}$	0,1 0,6 5,6 19,3 9,2 65,1	$\begin{array}{c} 27,260\\ 106,766\\ 858,674\\ 3,068,313\\ 1,391,184\\ 10,381,137\end{array}$	$\begin{array}{c} 0.2 \\ 0.7 \\ 5.4 \\ 19.4 \\ 8.8 \\ 65.6 \end{array}$	Less than \$5,000 \$5,000 to \$20,000. \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over	7	4 82 312 338 2,014	$\begin{array}{c} 0.1 \\ 3.0 \\ 11.3 \\ 12.3 \\ 73.2 \end{array}$	$\begin{array}{r} 20,364\\ 245,924\\ 866,386\\ 1,610,141\\ 6,738,567\end{array}$	9.1 17.0	$\begin{array}{r} 12,198\\159,239\\551,830\\828,945\\5,089,121\end{array}$	1 0.0
CHICOPEE		10,068	=	89, 772, 534		43, 314, 163	100.0	HAVERHIL		15,783	100.0	96, 276, 853	-	39, 058, 570	=
Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000 \$100,000 to \$500,000 \$1,000,000 to \$1,000,000 \$1,000,000 and over ¹ Includes the group "	. 7 . 18 . 14 . 3 . 6	172 753 522 8,598	0.2 1.7 7.5 5.2 85.4	23,055 66,506 830,644 2,916,320 2,414,196 83,521,813	0.9 3.2 2.7 93.0		4,1 2,9 92,1	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$1,000,000 to \$1,000,000 \$1,000,000 and over 195 without disclosing ind	$ \begin{array}{c c} 139\\104\\33\\26\end{array} $	$15 \\ 193 \\ 1,541 \\ 4,092 \\ 3,743 \\ 6,199$		73, 520 851, 002 6, 889, 815 24, 500, 648 23, 819, 303 40, 142, 565 * Less than	7.2 25.4 24.7 41.7		1.3 8.5 25.6 26.6 37.8

39 C

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

-	tab-	WA		VALUE O PRODUCT		VALUE ADD MANUFACT			estab- ts.	WA		VALUE PRODUC		VALUE ADD MANUFACT	
CITY AND VALUE OF	Number of estab- lishments.	Aver-	Per		Per		, —_	CITY AND VALUE OF	Number of es lishments.		·	FRODUC		MANUFACI	Per
PRODUCT.	umber lishı	age num- ber.	cent of total.	Amount.	of total.	Amount.	Per cent of	PRODUCT.	umber lish	Aver- age num- ber,	Per cont of	Amount.	Per cent of total.	Amount.	cent of total
							total.		[]		total.				
HOLYOKE Less than \$5,000	9	17,773	(¹)		100. 0 (¹)	\$42,266,793	(¹) (¹) 1.0	NATICE Less than \$5,000	10	1,463	100.0	\$7, 393, 397 28, 605 102, 713	100.0	\$2,440,808 19,447	0.8
\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000	58 40 28	$161 \\ 386 \\ 1,445$	0.9 2.2 8.1	$\begin{array}{c c} 22,008\\ 762,005\\ 1,706,629\\ 7,624,395\\ 17,094,644\\ 66,217,004\end{array}$	0.8 1.8 8.2	$\begin{array}{r} 14,309\\ 436,449\\ 736,066\\ 3,408,970\\ 6,822,055\\ 30,850,944 \end{array}$	1.0 1.7 8.1	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000	12 11	25 178 736	$1.7 \\ 12.2 \\ 50.3$	102,713 634,647 3,079,569	1.4 8.6 41.7	57,073 262,234 1,225,674	2.3 10.7 50.2
\$500,000 to \$1,000,000 \$1,000,000 and over	23	1,445 3,020 12,760	17.0 71.8	17,094,644 66,217,004	18,3 70,9	6, 822, 055 30, 850, 944	16. 1 73. 0	\$500,000 and over NEW BEDFORD	5	521 41,630	35.6 100.0	3, 547, 863 210, 773, 312	48.0 100.0	876, 380 88, 202, 554	35.9 100.0
LAWRENCE		30, 319	100.0	183, 449, 096	(1)	72, 490, 486	100. 0 (1)	Less than \$5,000	35	25 200	0.1	00.011	(1) 0.4	64,033 529,637	0.1
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000	75	158 417	0.5	$\begin{array}{c c} 52,148\\ 866,996\\ 2,023,096\\ \end{array}$	0.5	410 964	0,6	\$20,000 to \$100,000 \$100,000 to \$500,000 ² \$1,000,000 and over	79 35 39	700 1,589	1.7 3.8	917, 540 3, 180, 297 7, 681, 487 198, 894, 977	1.5 3.6 94.4	1, 558, 392 3, 907, 277 82, 143, 215	1.8 4.4 93.1
\$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	25 8 24	856 859 28, 017	2.8 2.8 92.4	5,530,305 5,475,389 169,501,102	3.0 3.0 92.4	012,500 2,822,897 2,589,622 65,720,897	3.9 3.6 90.7	NEWBURYPORT		39, 116 3, 960	94.0 100.0	20, 595, 015	100. 0	7,915,411	100.0
LEOMINSTER		5,793		24, 928, 790	100.0	11,085,176	100.0	Less than \$5,000 \$5,000 to \$20,000	9 14		0.2	27,795 146,260 922,804 3,652,508	0.1	17,175 60,002	0.2
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000	20	6 38 547	0.1 0.7 9.4	$\begin{array}{r} 26,049 \\ 121,945 \\ 1,564,285 \end{array}$	$ \begin{array}{c} 0.1 \\ 0.5 \\ 6.3 \end{array} $	15,073 66,027 965,248	0.1 0.6 8.7	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 2 \$1,000,000 and over	18 15 8	313 1,102 2,518	7.9 27.8 63.6	3,652,508 15,845,648	4.5 17.7 76.9	486, 433 1, 750, 261 5, 601, 540	$\begin{array}{c} 6.1 \\ 22.1 \\ 70.8 \end{array}$
\$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	7	1,655 949 2,598	28, 6 16, 4 44, 8	5, 374, 440 5, 215, 562 12, 626, 509	$ \begin{array}{c} 21.6\\ 20.9\\ 50.6 \end{array} $	2,831,901 2,016,762 5,190,165	25.5 18.2 46.8	NEWTON		2, 547	100.0	15, 524, 567	100.0	7,096,098	100.0
LOWELL	291	30, 111	100. 0	137, 801, 538	100.0	60, 809, 030	100.0	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 2	.1 12	2 37 171		18,359 174,308 790,569	$ \begin{array}{c} 0.1 \\ 1.1 \\ 5.1 \end{array} $	15, 302 101, 855 474, 769	6.7
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000	33 97 81	20 250 842	0.1 0.8 2.8	84,588 1,083,609 3,564,038	0.1 0.8 2.6	58,717 571,609 1,676,185	0.1 0.9 2.8	\$1,000,000 and over	. 5	443 1, 894	1	2,804,810 11,736,461	18.1 75.6	1,087,378 5,416,794	76.3
\$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	41 15 24	2,145 1,980 24,874	7.1 6.6 82.6	3,564,038 9,056,810 11,346,492 112,666,001	6.6 8.2 81.8	4,616,834 5,336,142 48,549,543	7.6 8.8 79.8	NORTH ADAMS Less than \$5,000	10	6,023	=	36, 203, 767	100.0	13,917,945 25,639	0.2
LYNN		27, 355	100.0	160, 905, 792	100.0	75, 896, 446	100. 0	\$5,000 to \$20,000 \$20,000 to \$20,000 \$100,000 to \$1,000,000 \$500,000 to \$1,000,000 \$1,000,000 and over	16 20 3	56 200 111	0.9 3.3 2.0	38,974 193,700 861,529 501,994	0.5 2.4 1.4	111,259 387,543 195,764	0.8
Less than \$5,000 \$5,000 to \$20,000	30 94	21 240	0.1	97, 542 853, 383	0.1	70, 442 515, 811	0.1 0.7 4.4	\$500,000 to \$1,000,000 \$1,000,000 and over	4 10	403 5,147	8.2	3,107,688 31,499,882	8.6	1,015,864 12,181,876	87.5
\$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000	88	$\begin{array}{c} 1,464 \\ 4,252 \\ 1,863 \end{array}$	5.4 15.5 6.8	97, 542 853, 383 6, 594, 926 22, 526, 678 14, 419, 329	$ \begin{array}{c c} 4.1 \\ 14.0 \\ 9.0 \\ 70.0 \\ 7$	$\begin{array}{r} 70,442\\ 515,811\\ 3,315,404\\ 10,119,422\\ 5,545,835\\ 56,329,472\end{array}$	13.3 7.3 74.2	NORTHAMPTON	12	3,532	='	17,960,620	=`====	8,610,010	-
\$1,000,000 and over	{	19, 515 4, 723	71.3	116, 413, 934 22, 077, 624	72.3	12, 432, 649	100.0	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 2	17 20 9	61 201 876	1.7	195,751 088,846 2,825,848	1.1	113,022 353,257 1,594,605	1,3 4.1 18.5
Less than \$5,000 \$5,000 to \$20,000	19	6 80	0.1	47,667 356,572	0.2	25, 957 183, 969	0.2 1.5	\$1,000,000 and over NorthBridge	. 0	2,389	67.6	14, 221, 585	79.2 100.0	6, 529, 094 8, 003, 973	75.8
\$20,000 to \$100,000 \$100,000 to \$500,000 2 \$1,000,000 and over	33	438 804 3,329	9.3 18.3 70.5	$\begin{array}{c}1,617,779\\3,402,386\\16,653,220\end{array}$	7.3 15.4 75.4	844,752 1,517,517 9,860,454	6.8 12.2 79.3	Less than \$5.000	4	37	0.1	11,430 27 880	-(3,031 13,200	(1)
MARLBOROUGII	1.	3,798	100.0	19,044,907	100.0	5, 889, 669	1	\$5,000 to \$20,000 \$20,000 and over Norwood		3,861 2,835	00.7	13, 809, 581 20, 359, 242	09.7	7,987,742 9,599,507	99.8
Less than \$5,000 \$5,000 to \$20,000	9 19	8 54	0.2	29, 744 216, 289	0.2	19,771 114,172	0.3	Less than \$20,000	3	5	0.2	32, 349 375, 379		16,718 188,140	0.2
\$20,000 to \$100,000 \$100,000 and over		141 3,595	3.7 94.7	621, 975 18, 176, 899	3.3 95.4	303, 447 5, 452, 279	5.2 92.6	\$20,000 to \$100,000 \$100,000 to \$500,000 2 \$1,000,000 and over	6	699	24 7	2,631,662	$\begin{array}{c} 12.9\\85.1\end{array}$	1,623,598	16.9 81.0
MEDFORD		1,031		5,665,723	100.0	2, 476, 661	_	PEABODY		8,013	100.0 (¹)	52,906,722		21, 590, 914 5, 647	
Less than \$5,000. \$5,000 to \$20,000 \$20,000 to \$100,000.	18	47 125	$\begin{array}{c} 0.4 \\ 4.6 \\ 12.1 \end{array}$	34,600 204,700 685,735 1,141,427 3,599,261	0.6 3.6 12.1	21,731 100,405 289,403 448,026 1,617,006	$ \begin{array}{c c} 0.9 \\ 4.1 \\ 11.7 \\ 12.7 \\ 1$	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000	27 22 21	86 428 1,271	1.1	403,902 1,447,759 5,497,426 1,837,219 43,709,896	(1) 0 8 2.7 10.4	205,782	1.0
\$100,000 to \$500,000 \$500,000 and over	54	125 282 573	27.4	1, 141, 427 3, 599, 261	20.1 63.5	1, 617, 006	18.1 65.3	\$500,000 to \$1,000,000 \$1,000,000 and over	3	483 5,741	6.0 71.6	1,837,219 43,709,896	3 5 82.6	2, 667, 395 885, 390 16, 975, 670	4.1 78.6
MELROSE		1,606	100.0	6,083,698	-	3,006,861		PITTSFIELD	10	8,570		41,613.356	-	21, 895, 100	
\$5,000 to \$20,000 \$20,000 to \$100,000	97	24 96 1,482	1.5	15,291 80,935 430,644 5,556,828	1.3 7.1 91.3	10, 694 42, 211 238, 522 2, 715, 434	1.4 7.9 90.3	\$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$500,000. \$500,000 to \$1,000,000. \$1,000,000 and over	29 28 10	56 297 475	0.1	37,661 253,029 1,183,711	0.6	26,185 142,264 596.114 1,316,771	0 6 2 7 6.0
\$100,000 and over		2,571		14, 214, 905		5, 140, 711		\$500,000 to \$1,000,000 \$1,000,000 and over		570 7,166	5.5 6.7 83.6	1,183,711 2,544,973 3,499,004 34,094,978	8,4 81,9	1,454,315 18,359,451	6.6 83.9
Less than \$5,000	. 7	6	0.2	23,505 89,028 301,688	0.2	13, 284 48, 219 131, 981	0.3 0.9 2.6	Plymouth	31	2,971	100.0	()== <u></u>	100.0	9,822,400	
\$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over	. 3	53 131 2,358	$ \begin{array}{c c} 2.1 \\ 5.1 \\ 91.7 \end{array} $	301,688 820,000 12,980,684	2.1 5.8 91.3	131, 981 326, 571 4, 620, 656	6.4 89.9	Less than \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000	. 0	40 259	0.8	133,623 251,783 1,095,784 29,838,363	0.4	55,500 112,574 569,692 9,084,634	1.1 5,8 92.5
MILFORD		1,809	100.0	8, 408, 531		3, 562, 493	100.0	\$500,000 and over QUINCY		2,649 19,653	89.2 100.0	29,838,863		9,084,634	1
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000	12	6 28 130	7.2	29,652 107,644 573,407	1.3	17,029 62,645 261,682	7.3	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000	20	9 128	(¹) 0.6	52,742 595,867	0.1	81,439 353,641 1,902,898 42,072,652	01
\$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over			11.7 79.3	836,563 6,861,265			12.9 77.5	\$20,000 to \$100,000 \$100,000 and over \$ Includes the gro	', TO	773			94.3	42, 072, 652	91.8

¹ Less than one-tenth of 1 per cent.

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

	estab- ts.	WA EARN	GE TERS.	VALUE (PRODUC		VALUE ADD MANUFACI	ED BY URE.		estab- ts.	WA EARN	GE ERS.	VALUE O PRODUC		VALUE ADDI MANUFACT	ED BY URE.
CITY AND VALUE OF PRODUCT.	Number of e lishment	Aver- age num- ber.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.	CITY AND VALUE OF PRODUCT.	Number of lishment	Aver- age num- ber.	Per cont of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
Revere	31	126	100.0	\$767,294	100.0	\$318,193	100.0	WATERTOWN	25	8,420	100.0	\$47,297,519	100.0	\$27, 563, 346	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000	8 13 7 3	2 20 32 72	$ \begin{array}{r} 1.6 \\ 15.9 \\ 25.4 \\ 57.1 \end{array} $	26,303 130,363 218,199 392,429	$\begin{array}{r} 3.4 \\ 17.0 \\ 28.4 \\ 51.1 \end{array}$	10,57558,19186,528162,899	$ \begin{array}{r} 3.3 \\ 18.3 \\ 27.2 \\ 51.2 \end{array} $	Less than \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 ¹ \$1,000,000 and over	6 6 7	7 52 256 8,105	0.1 0.6 3.0 96.3	$\begin{array}{r} 30,341\\ 208,127\\ 2,176,787\\ 44,822,264\end{array}$	$0.1 \\ 0.6 \\ 4.6 \\ 94.8$	$19,356 \\ 134,256 \\ 665,940 \\ 26,743,794$	0.1 0.5 2.4 97.0
SALEM	153	5,672	100.0	30,437,957	100.0	13, 510, 464	100.0	WEBSTER	24	3,849	100.0	28, 400, 765	100. 0	9,610,046	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$100,000 \$500,000 to \$1,000,000 \$1,000,000 and over	$22 \\ 39 \\ 51 \\ 28 \\ 5 \\ 8 \\ 8 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 8 \\ 5 \\ 5$	$ \begin{array}{c c} 15 \\ 123 \\ 702 \\ 1,307 \\ 583 \\ 2,942 \end{array} $	$\begin{array}{r} 0.3 \\ 2.2 \\ 12.4 \\ 23.0 \\ 10.3 \\ 51.9 \end{array}$	59,487 436,837 2,361,521 6,489,632 3,509,733 17,577,747	$\begin{array}{r} 0.2 \\ 1.4 \\ 7.8 \\ 21.3 \\ 11.5 \\ 57.7 \end{array}$	$\begin{array}{r} 39,846\\ 250,718\\ 1,275,342\\ 3,463,543\\ 1,293,641\\ 7,187,374\end{array}$	$\begin{array}{c} 0.3 \\ 1.9 \\ 9.4 \\ 25.6 \\ 9.6 \\ 53.2 \end{array}$	Less than \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 ¹ \$1,000,000 and over WESTFIELD	6 7 5 6 85	12 47 235 3,555 3,243	$0.3 \\ 1.2 \\ 6.1 \\ 92.4 \\ 100.0$	$\begin{array}{r} 74,441 \\ 205,631 \\ 1,160,030 \\ 26,960,663 \\ 14,278,973 \end{array}$	$0.3 \\ 0.7 \\ 4.1 \\ 94.9 \\ 100.0$	30, 894 93, 953 488, 340 8, 987, 859 7, 338, 198	0.4 1.0 5.1 93.5
SAUGUS	14	126	100.0	1	100. 0	291,602	100.0	Less than \$5.000	8	2	0.1	18,240	0.1	10,486	0.1
Less than \$20,000 \$20,000 and over	9 5	3 123	2.4 97.6	36, 243 1, 120, 972	3. 1 96. 9	15,877 275,725	5.4 94.6	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000	31 27 13 3	81 361 625 486	$ \begin{array}{c} 2.5 \\ 11.1 \\ 19.3 \\ 15.0 \end{array} $	349,113 1,135,115 2,595,730 2,584,200 7,596,575	$2.4 \\ 7.9 \\ 18.2 \\ 18.1 $	189,570611,7361,303,1801,335,771	$ \begin{array}{c c} 2.6 \\ 8.3 \\ 17.8 \\ 18.2 \end{array} $
SOMERVILLE	140	6,111	100.0		100.0	12,461,172	100.0	\$1,000,000 and over		1,688	52.0		53.2	3,887,455	53.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	23 35 49 23 4 6	18 85 579 1,071 322 4,036	$\begin{array}{c} 0.3 \\ 1.4 \\ 9.5 \\ 17.5 \\ 5.3 \\ 66.0 \end{array}$	63,176 389,365 2,312,326 5,124,047 2,610,251 89,059,348	$\begin{array}{c} 0.1 \\ 0.4 \\ 2.3 \\ 5.1 \\ 2.6 \\ 89.5 \end{array}$	$\begin{array}{r} 39,325\\193,486\\1,100,726\\2,350,914\\778,579\\7,938,142\end{array}$	$\begin{array}{c} 0.3 \\ 1.6 \\ 9.3 \\ 18.9 \\ 6.2 \\ 63.7 \end{array}$	WEST SPRINGFIELD. Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 ¹ \$1,000,000 and over	23 5 6 3 3	2,791 2 14 39 341 2,395	0.1 0.5 1.4 12.2 85.8	$\begin{array}{r} 12,386,556\\\hline 13,412\\69,663\\213,342\\1,516,711\\10,573,428 \end{array}$	$ \begin{array}{r} 100.0 \\ \hline 0.1 \\ 0.6 \\ 1.7 \\ 12.2 \\ 85.4 \end{array} $	6,001,071 8,241 31,473 85,471 596,633 5,279,253	100.0 0.1 0.5 1.4 9.9 88.0
SOUTHBRIDGE	41	5,329	100.0	18,252,814	100.0	10,770,641	100.0	WEYMOUTH	34	2,146	100.0	16,836,997	100.0	5,708,132	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over	9 6 14 8 4	5 18 160 681 4,465	0.1 0.3 3.0 12.8 83.8	30,795 64,356 606,838 2,003,288 15,547,537	$\begin{array}{c} 0.2 \\ 0.4 \\ 3.3 \\ 11.0 \\ 85.2 \end{array}$	17,383 40,377 254,029 1,342,785 9,116,067	$\begin{array}{c} 0.2 \\ 0.4 \\ 2.4 \\ 12.5 \\ 84.6 \end{array}$	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$1,000,000 and over	9 7 5 8 5	7 32 123 310 1,674	$ \begin{array}{r} 0.3 \\ 1.5 \\ 5.7 \\ 14.4 \\ 78.0 \end{array} $	22,350 76,263 337,282 2,112,926 14,288,176	0.1 0.5 2.0 12.5 84.9	14,620 39,258 150,594 785,492 4,712,108	0.3 0.7 2.7 13.8 82.6
Springfield		18,429	100.0		100.0	50, 529, 775	100.0	WINCHESTER	17	1,112	100.0	9,697,701	100.0	3, 476, 837	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	$53 \\ 129 \\ 123 \\ 56 \\ 15 \\ 25$	$\begin{array}{r} 27\\ 397\\ 1,449\\ 3,128\\ 1,952\\ 11,476\end{array}$	$\begin{array}{c} 0.1 \\ 2.2 \\ 7.9 \\ 17.0 \\ 10.6 \\ 62.3 \end{array}$	$\begin{array}{r} 130,322\\ 1,513,090\\ 5,571,228\\ 15,168,282\\ 10,304,318\\ 65,645,715\end{array}$	$\begin{array}{c} 0.1 \\ 1.5 \\ 5.7 \\ 15.4 \\ 10.5 \\ 66.8 \end{array}$	$\begin{array}{r} 89,637\\833,337\\3,171,052\\7,711,514\\5,349,839\\33,374,396\end{array}$	$\begin{array}{c} 0.2 \\ 1.6 \\ 6.3 \\ 15.3 \\ 10.6 \\ 66.0 \end{array}$	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 and over WINTHROP	4 6 7 19	20 131 961 61	1.8 11.8 86.4 100.0	56, 624 355, 334 9, 285, 743 330, 234	0.6 3.7 95.8 100.0	32,200 184,284 3,200,254 126,808	0.9 5.3 93.8 100.0
TAUNTON	167	8, 981	100. 0	48,330,638	100. 0	20, 544, 073	100. 0	Less than \$5,000 \$5,000 to \$20,000	8 7	1 25	$1.6 \\ 41.0$	20, 798 85, 895	$ \begin{array}{c} 0.3 \\ 26.0 \end{array} $	13,504 39,435	10.6
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000	29 51 24 41	$21 \\ 87 \\ 268 \\ 2,114$	$\begin{array}{c} 0.2 \\ 1.0 \\ 3.0 \\ 23.5 \end{array}$	101,907484,1301,105,6029,144,550	$0.2 \\ 1.0 \\ 2.3 \\ 18.9$	59,987 243,813 573,720 4,471,191	0.3 1.2 2.8 21.8	\$20,000 to \$100,000 WOBURN	4 53	35 2,011	57.4 100.0	223,541 13,980,185	67.7 100.0	73, 860 6, 430, 591	58.8 100.0
\$500,000 to \$1,000,000 \$1,000,000 and over	- 8 14	829 5,662	9.2 63.0	5,513,323 31,981,036	$\begin{array}{c} 11.4\\ 66.2 \end{array}$	2,024,007 13,171,355	9,9 64.1	Less than \$5,000 \$5,000 to \$20,000	5	30	0.2	14,754 107,105	$0.1 \\ 0.8$	9,288 53,909	0.1
WAREFIELD	32	1,869	100.0	8,977,010	100.0	3, 395, 222	100.0	\$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000	$\begin{array}{c} 20 \\ 12 \\ 3 \end{array}$	281 624 318	14.0 31.0 15.8	970,308 3,032,808 1,995,090	$\begin{array}{c} 7.0 \\ 21.7 \\ 14.3 \end{array}$	400, 889 1, 597, 661 1, 014, 702	7.6 24.8 15.8
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000	4 9 9 7	$ \begin{array}{c} 2 \\ 17 \\ 124 \\ 300 \\ 100 $	$\begin{array}{c} 0,1\\ 0.9\\ 6.6\\ 16.4\\ 70.0\\ \end{array}$	$ \begin{array}{r} 12,871\\88,717\\606,640\\1,438,703\\6200,070\end{array} $	$\begin{array}{c} 0.1 \\ 1.0 \\ 6.8 \\ 16.0 \\ 70.1 \end{array}$	8,405 56,441 275,655 538,677	0.2 1.7 8.1 15.9	\$1,000,000 and over Worcester	3 4 618	753 38, 673	37.4 100.0	7, 853, 994 208, 705, 773	56.2 100.0	3, 264, 642 102, 524, 771	50.8 100.0
\$1,000,000 and over WALTHAM	3 93	1,420	76.0 100.0	6, 830, 079 20, 878, 515	76.1 100.0	2,516,044 14,044,781	74.1	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000	84 132 194	$47 \\ 415 \\ 2.271$	$ \begin{array}{c} 0.1 \\ 1.1 \\ 5.9 \end{array} $	$\begin{array}{c c} 201,408\\ 1,550,104\\ 9,840,417\end{array}$	$ \begin{array}{c} 0.1 \\ 0.7 \\ 4.7 \end{array} $	145, 454 879, 695 5, 303, 008	0.1
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 l \$1,000,000 and over	10 31 28 19 5	6 109 443 1,320 6,191	$ \begin{array}{r} 0.1 \\ 1.4 \\ 5.5 \\ 16.4 \\ 76.7 \\ \end{array} $	30,995 347,155 1,454,160 5,109,231 13,936,974	$ \begin{array}{r} 0.1 \\ 1.7 \\ 7.0 \\ 24.5 \\ 66.8 \end{array} $	23,245 209,904 849,313 3,040,410 0,921,909	0.2 1.5 6.0 21.6 70.6	\$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	136 35 37	2,271 6,945 5,801 23,194	18.0 15.0 60.0	31,771,827 24,984,366 140,357,651	15.2 12.0 67.3	16,066,281 12,708,305 07,332,028	5.2 15.7 12.5 65.7

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

608

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

			MBER		AVE	RAGE 1	NUMBEI	ROFW	AGE E	ARNER	s.		Υ.	ALUE OF PRO	DUCTS.			
INDUSTRY AND CITY.	Cen- sus	1	TABLIS MENTS NED B				ablishn ned by		Per c	ent of t	otal.		Ofestab	lishments own	ned by—	Per ce	ont of t	otal.
	year.		pora-	All oth- ers.	Total.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers,	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.
All industries	1919 1914 1909	5, 319 5, 902 6, 015	4,697 3,984 3,483	1,890 2,127 2,186	713, 836 606, 698 584, 559	41,322 44,683 55,318	621,783 500,711 468,301	50, 731 61, 304 60, 940	5.8 7.4 9.5	82.5	7.1 10.1 10.4		117,430,275	\$3,483,117,043 1,346, 397,046 1,182,935,652	177, 545,726	5.5 7.2 9.2		10.8
Boot and shoe cut stock	1919 1914	81 96	56 38	45 46	4,631 3,781	983 1,132	2,666 1,606	982 1,043	21.2 29.9		21.2 27.6	86,214,108 35,636,846	11,815,892 6,535,914	49,562,078 15,524,218	24,836,136 13,576,714	13.7 18.3	57.5 43.6	
Boot and shoe findings	1919 1914	108 111	85 59	61 70	$5,896 \\ 4,389$	$1,452 \\ 1,200$	3,046 1,984	1,398 1,205	24.6 27.3		23.7 27.5		9, 265, 531 4, 992, 540	22, 974, 592 9, 611, 120	12,117,024 4,417,049	20.9 26.2	51.8 50.5	
Boots and shoes, not in- cluding rubber boots and shoes.	1919 1914	127 147	284 188	82 129	80,166 76,944	7,185 6,562	65,294 56,682	7,687 13,700	9.0 8.5		9.6 17.8		35,885,805 15,762,303	365, 672, 087 149, 231, 773	40,908,344 35,535,782	8.1 7.9	82.6 74.4	
Boots and shoes, rubber	1919 1914		8 9		13,062 8,087		13,062 8,087			100.0 100.0	· · · · · · · · ·	44, 307, 961 23, 788, 788		44,307,961 23,788,788			100.0 100.0	
Boxes, paper and other, not elsewhere specified.	1919 1914	29 30	57 50	16 17	4,711 4,244	644 553	$3,468 \\ 2,869$	599 822	13.7 13.0	73.6 67.6	$12.7 \\ 19.4$		1,929,631 842,799	11, 813, 603 4, 019, 325		12.3 11.9	75.4 56.7	
Boxes, wooden packing, except cigar boxes.	1019 1914	24 41	38 35	13 15	3,232 2,995	310 853	$^{2,300}_{1,677}$	622 465	9.6 28.5		$19.2 \\ 15.5$		1, 302, 829 2, 125, 012			8.7 27.6	$67.0 \\ 53.8$	
Brass, bronze, and copper products.	1919 1914	29 36	29 23	14 14	2,832 1,620	165 179	$2,399 \\ 1,321$	268 120	5.8 11.0		9.5 7.4	16,943,199 5,958,863	897, 410 493, 440		1,120,948 362,598		88.1 85.6	6.6 6.1
Bread and other bakery products.	1919 1914	1,018 1,179	112 68	179 172	8,583 8,083	3,175 3,319	4, 326 3, 394	1,082 1,370	37.0 41.1		$12.6 \\ 16.9$		24, 271, 377 13, 663, 609			36.8 41.0	49.4 42.5	
Cars and general shop con- struction and repairs by steam-railroad com pa-	1919 1914		14 15		7, 724 6, 264	·····	7,724 6,264		 	100.0 100.0		22, 637, 990 8, 829, 665		22, 637, 990 8, 829, 668			100.0 100.0	
nies. Chemicals	1919 1914	32	20 17	4 5	2,483 1,395	42	2, 404 1, 374	37 1 21		96.8 98.5			169,139	16,866,495 6,524,73		1.0	97.5 97.6	
Chocolate and cocoa prod- ucts.	$1919 \\ 1914$		6 5		2,007 943	·····	2, 007 943			100.0 100.0		30, 327, 397 10, 209, 949		30, 327, 39 10, 209, 94			100.0 100.0	
Clothing, men's	1919 1914	85 106	55 42	67 65	6,856 5,760	1, 412 1, 535	3, 764 2, 792	1,680 1,433	20.6 26.6	54.9 48.5			6,457,29 2,783,40	3 24,095,179 0 9,967,33	9 10, 922, 556 8 3, 466, 949	15.6 17.2		
Clothing, women's	1919 1914	96 85	71 51	91 66	6,271 6,076	1, 542 1, 475	2, 618 2, 440	2, 111 2, 161	24.6 24.8		33.7 35.6		7,232,18 3,391,13		4 12,737,702 8 5,205,271	23.8 24.3	34.4 38.1	
Coffee and spice, roasting and grinding.	1919 1914	8 5	· 10 12	5 4	512 466	30 23	357 311	125 132	5.9 4.9		24.4 28.3	16,977,791 8,675,047	758,05 847,69	6 11,506,86 2 5,367,81		4.5 4.0		
Confectionery and ice cream.	1919 1914	125 155		63 58	11,585 7,250	673 690	10, 291 6, 239	621 321	5.8 9.5	88.8 86.1	5.4 4.4		4,755,63 2,597,22	9 58,839,09 1 19,032,59	1 5, 302, 155 5 1, 272, 100	6.9 11.3		4 7.7 1 5.6
Cotton goods	1919 1914	4	182 152	5 9	122, 499 112, 609	225 231	121, 909 110, 722	365 1,658	0.2	99.5 98.3	0.3 1.5	596,687,441 195,481,620	1,405,069 435,25	593,637,370 191,691,110	0 1, 645, 002 9 3, 355, 250	0.2 0.2	99. £ 98. 1	
Cutlery and edge tools	1919 1914	19 12		4 5	3,988 1,947	184 102	3,772 1,813	32 32	4.0	94.6 93.1	0.8 1.6		598, 538 181, 23	18,973,074 4,129,55	4 101, 138 1 43, 337	3.0 4.2		
Dyeing and finishing tex- tiles, exclusive of that	1919 1914	67	52 45	4 5		224 244			1.8 2.1	91.0 90.7	7.2 7.1	75 261, 815 22, 455, 086	1,268,20 347,30	61,998,544 5 20,149,73				
done in textile mills. Electrical machinery, ap- paratus, and supplies.	1919 1914	18 20	86 67	6 4	23,889 17,125	199 260		35 53	0.8 1.5	99.0 98.2	0.1 0.3	91, 938, 738 43, 869, 294	985, 98 793, 48	5 90,746,150 42,937,503	206, 597 3 138, 308	1.1 1.8	98.7 97.9	
Foundry and machine- shop products. ²	1919 1914	258 248	409 383	-98 124	51,680 32,687	2, 944 2, 534	46,857 28,566	1,879 1,587	5.7 7.8	90.7 87.4	3.6 4.9	201, 538, 303 65, 605, 499	10,294,955 5,027,884	2 18 3, 3 32, 40 4 57, 895, 04	7 7, 910, 944 8 3, 182, 572	5.1 7.7	91. 0 87. l	0 3.9 5 4.9
Furniture	.1919 1914	42 42	80 60	39 32	6, 342 6, 813	350 557	5, 177 5, 390	815 866	5. E 8. 2	81.6 79.1	12.9 12.7	23,688,923 13,826,765	1,285,90 1,003,92	19,083,172 11,033,584	1 3, 319, 848 4 1, 789, 250	5.4 7.3	80. 6 79. 8	3 14.0 3 12.9
Gas, illuminating and heating.	1919 1914	i	49 56	2 4	2,654 3,182	`·	³ 2, 654 3, 053	1 129		100.0 95.9	4.1	24,231,095 15,751,637		³ 24, 231, 095 15, 355, 909	1 395, 728		100. 0 97. 5	
Iron and steel, steel works and rolling mills.	1919 1014	1	10 10		3,684 2,889		13,684 12,889			100.0 100.0		80,969,601 11,376,008		¹ 30, 969, 601 ¹ 11, 376, 008	1		100.0 100.0)
Jewelry	1919 1914	49	66 76	50 59	6,786 6,505	887 879	3,863 3,684	2,036	13. 1 13. 5	56.9 56.6		34,816,822 14,175,857	3,890,058 1,699,658	23, 178, 188 8, 737, 840	7,748,579 3,738,353	11.2 12.0	66. 0 61. 0	22.3 26.4
Knit goods	1919 1914	16 23	51 44	10 10	12,751	223	11,700 9,601	828 780	1.7 2.4	91.8 90.3	6.5 7.3	52, 424, 235 17, 419, 077	1,058,752 582,780	45,701,426 14,312,311	5 5,664,058 2,523,980	2.0 3.3	87.2 82.2	10.8 14.5
Leather, tanned, curried, and finished.	1919 1914	30	75	26			13,098 7,742	1,054 1,194	6.8 12.1	86.3 76.2		129, 594, 962 45, 265, 434	8,500,681 2,428,279	114,746,520 38,741,662	6,347,752 4,095,493	6.6 5.4	88.5 85.6	5 4.9 3 9.0
Motorcycles, bicycles, and parts,	1919 1914	1		2 1		11-	2,690 4 2,135	1		89.7 100.0	10.3	15,999,501 7,021,312		14,599,994 47,021,312	4 1,399,507 2		91.3 100.0	
Paper and wood pulp	1919 1914	2		8	12,960		11,146 11,910		0. e	86.0 88.9		87, 159, 890 43, 352, 545	197, 561	70, 372, 003 37, 595, 471	3 1 16,787,887 5,559,513	0.5	80.7 86.7	
Printing and publishing, book and job.	1019 1914	492	179	97		1,534 2,044		1,037 1,066		66.3 56.0	13.6 15.1	41, 626, 859 20, 245, 246	4, 303, 192			14.0 21.3	66.3 64.0	19.6 14.7
¹ Includes the group "I ² Includes "iron and stee	·	<i></i>	Ċ							machir	iery ai	nd parts."	* Includes t * Includes t	he group "A he groups "Ir	ll others." Idividuals" a	nd "A	li othe	rs,"
94669°22																		

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

	Ī		MBER		AV	ERAGE	NUMBI	er of	WAGE 1	EARNE	RS.			ALUE OF PRO	DUCTS.			
INDUSTRY AND CITY.	Cen- sus		TABLI MENT NED 1	3			stablish wned b		Pero	ent of	total.	dip a series	Ofestab	lishments ow	ned by—	Per c	ent of	total.
	year.	vid-	Cor- pora- tions	oth-	Total.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	pora-	All oth- ers.	Total.	Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Cor- pora- tions,	
Printing and publishing, newspapers and peri- odicals.	1919 1914	143 157	203 227	66 72	5,885 6,032	472 729	4,798 4,776	615 527	8.0 12.1	81.5 79.2		\$46, 801, 145 26, 719, 398	\$1,916,192 1,599,707	\$39, 482, 457 22, 899, 525	\$5,402,496 2,220,166	4.1 6.0	84. 4 85. 7	11.5 8.3
Rubber tires, tubes, and rubber goods, not else-	1919 1914	73		1 1	9,406 4,743	1 191 1 7			2.0 0.1	98.0 99.9		93, 376, 505 23, 011, 349	1,002,679 41,439	92, 373, 826 22, 969, 910		1.1 0.2	98.9 99.8	
where specified. Silk goods, including throwsters.	1919 1914	25	16 11	3 3	$5,697 \\ 4,495$	436	5, 136 3, 814	² 561 245	9.7	90.2 84.8		34, 193, 951 10, 676, 681	1,308,624	30, 909, 691 9, 014, 503	23, 284, 260 353, 554	12.3	90.4 84.4	
Slaughtering and meat packing.	1919 1914	22 23	13 18	5 5	4,307 3,233	83 73	4,178 3,090	46 70	1.9 2.3	97.0 95.6	$1.1 \\ 2.2$	110,238,038 51,724,520	3,030,961 958,181	106,246,649 49,584,273	960, 428 1, 182, 066	2.7 1.9	96.4 95.0	0.9
Soap	1919 1914	7 10	15 17	5 5	1,008 460	9 18	989 384	10 58	0.9 3.9	98.1 83.5	1.0 12.6	18,729,572 4,671,310	126, 236 122, 687	18, 520, 896 4, 176, 134	82, 440 372, 489	0.7 2.6	98.9 89.4	
Stationery goods, not else- where specified.	1919 1914	9 5	17 18	4 4	3, 305 2, 467	69 78	2,864 2,020	372 369	2.1 3.2	86.7 81.9	$\begin{array}{c} 11.3\\ 15.0\end{array}$	15, 161, 819 6, 511, 512	278, 862 171, 805	12, 989, 840 5, 358, 200	$1,893,117 \\981,447$	$1.8 \\ 2.6$	85.7 82.3	12.5
Tools, not elsewhere speci- fied.	1919 1914	48 49	47 37	22 14	7,226 4,538	273 288	6,669 4,138	284 112	3.8 6.3	92.3 91.2	3.9 2.5	29, 158, 834 8, 619, 903	1, 171, 380 470, 552		1 052 855	4.0	92.4	3.6
Wire	1919 1914		7	22	5, 203 2, 899		¹ 5, 203 ¹ 2, 899			100.0 100.0		24, 552, 410 8, 389, 073		¹ 24, 552, 410 ¹ 8, 389, 073			100.0 100.0	
Woolen goods	1919 1914	12 12	82 56	17 18	$17,568 \\ 13,844$	1,140 1,370		1,959	6.5 9.9	82, 4 70, 5	11.2 19.6	105, 183, 068 28, 391, 184		87, 280, 892 20, 261, 633		6.2 9.4	83.0 71.4	10.8
Worsted goods	1919 1914	4 5	59 58	8 7	36, 296 39, 533	234 136	34,922 38,112	1,140 1,285	0.6 0.3	96.2 96.4	3.1 3.3	237, 443, 077 98, 960, 250	1,394,307	228, 132, 276 94, 679, 155	7, 916, 494 4, 088, 755	0.6 0.2	96.1 95.7	8.8
Total for cities	1919 1914	4,388 4,793	3, 957 3, 314	1,602 1,744	609,671 506,397	35, 146 36, 065	534, 328 424, 908	40,197 45,424	$5.8 \\ 7.1$	87,6 83.9	6.6 9.0	3, 462, 478, 225 1, 390, 652, 276	192,042,261 97,946,220	3,016,580,886 1,152,883,069	253, 855, 078 139, 822, 987	5.5 7.0	87.1 82.9	
Adams	1919 1914	14 20	12 10	6 5	3,974 3,930	30 47	3, 840 3, 817	104 66	0.8	96.6 97.1	$2.6 \\ 1.7$	15,076,858 6,530,232	234.682	14,251,021 6,098,136	591,155 251,700	1.6 2.8	94.5 93.4	3.9
AMESBURY	1919 1914	14 26	19 20	11 13	$3,173 \\ 1,451$	106 173	$2,770 \\ 1,044$	297 234	$3.3 \\ 11.9$	87.3 72,0	$9.4 \\ 16.1$	16, 309, 509 3, 551, 434	881, 998 419, 759	14, 457, 739 2, 457, 156	909, 772 674, 519	5.4 11.8	88.6 69.2	5.9
Arlington	1919 1914	18 10	8	1 3	228 246	1 81 29	147 179	38	$35.5 \\ 11.8$	64.5 72.8	15.4	1,006,207 641,092	402,060 91,465	604,147 448,048	100,979	40.0 14.3	60.0	15.8
ATTLEBORO	1919 1914	51 54	47 54	$\frac{46}{43}$	6,763 6,058	582 533		1,986 1,417	8.6 8.8	62.0 67.8	$29.4 \\ 23.4$	34, 471, 577 13, 946, 884	3, 143, 610 1, 008, 207	24, 196, 883 . 9, 703, 405	7, 131, 084 3, 235, 272	9.1 7.2	70.0 70.2 69.6	20.7
Belmont	1919	4	2		93	8 93			100.0			374, 586	⁸ 374, 586		0,200,212	100.0		
BEVERLY	1919 1914	36 38	21 14	13 15	6, 495 4, 641	529 611	5,623 3,560	343 470	8.1 13.2	86.6 76.7	5.3 10.1	21, 829, 684 8, 774, 187	1,992,379 1,633,302	$18,114,087 \\ 6,044,606$	1,723,218 1,006,270	9.1 18.6	83.0 68.9	
BOSTON	1919 1914	1,365 1 1,537 1	l, 218 l, 073	494 528	88, 759 78, 894	9, 552 10, 275	71, 339 59, 222	7,868 9,397	10.8 13.0	80.4 75.1	8.9 11.9	618,921,962 284,802,479	53, 395, 108 27, 547, 022	501, 705, 774 222, 159, 459	03, 701, 080 35, 095, 998	8.6 9.7		10.3 12.3
BRAINTREE BROCKTON	1919	8	10	1	2, 176	1 54	2,122		2.5	97.5	•••••	11,974,839	1 500, 668	11, 474, 171		4.2	95.8	
	1919 1914	62 89	105 92	50 62	18 059 16, 246	718 780	16,119 13,510	$1,222 \\ 1,956$	4.0 4.8	89.3 83.2	$ \begin{array}{c} 6.8 \\ 12.0 \end{array} $	117,855,025 51,259,131	4,652,156 2,556,153	$102,611,791 \\ 41,620,693$	10, 591, 078 7, 082, 285	3.9 5.0	$\begin{array}{c} 87.1\\ 81.2\end{array}$	9.0 13.8
BROOKLINE	1919 1914	18 9	11 5	8 7	484 335	143 54	330 230	11 51	$\begin{array}{c} 29.5\\ 16.1 \end{array}$	$\begin{array}{c} 68.2 \\ 68.7 \end{array}$	2.3 15.2	2,243,311 658,502	640, 582 104, 942	1,374,091 439,939	228, 638 113, 621	$ \begin{array}{c} 28.6 \\ 15.9 \end{array} $	$\substack{\textbf{61.3}\\\textbf{66.8}}$	10.2 17.3
CAMBRIDGE	1919 1914	128 128	167 146	44 42	22,550 16,749	969 1,008	20,225 14,432	$1,356 \\ 1,309$	4.3 6.0		6.0 7.8	127, 864, 901 57, 483, 949	5,022,880 2,984,020	113, 118, 372 50, 030, 803	9, 728, 649 4, 469, 117	3.9 5.2	88.5 87.0	7.6
CHELSEA	1919 1914	49 61	48 41	26 21	6, 580 6, 241	307 264	$5,384 \\ 5,148$	889 829	4.7 4.2	81.8 82.5	13. 5 13. 3	32, 536, 518 16, 971, 028	1,925,130 870,536	24, 801, 479 13, 932, 184	5,809,909 2,168,308	5.9 5.1	$76.2 \\ 82.1$	17.9 12.8
Снісорее	1919 1914	25 28	29 26	6 8	10, 068 8, 426	124 112	9,916 8,254	28 60	$1.2 \\ 1.3$	98.5 98.0	0.3 0.7	89, 772, 534 28, 869, 152	546,736 311,935	88, 997, 232 28, 405, 373	228, 566 91, 844	0.6	99.1 98.6	0.8
CLINTON	1919 1914	15 23	14 12	4 1	4, 155 4, 064	28 37	4,115 4,024	12 3	0.7 0.9	99.0 99.0	0.3	15, 179, 819 6, 785, 297	147,937 136,124	$14,983,661 \\ 6,591,273$	48, 221 7, 900	1.0 2.0	98.7 97.9	0.8
DANVERS	1919	10	13	2	1, 474	¹ 125	1,349		8.5	91.5		11, 541, 839	¹ 483, 627	11,058,212	7,800	4.2	95.8	
DEDHAM	1919 1914	14 9	5 4	1 2	463 256	¹ 240 23	$223 \\ 227$		51.8 9.0	48.2 88.7	2. 3	1,737,673 427,690	$^{11,008,014}_{56,320}$	729,659	10,011	58.0 13.2	42.0 84.5	2.3
EASTHAMPTON	1919 1919	. 13	10 61	5	4, 142	31	3,416	695	0.7	82.5	16, 8	37, 942, 121	99, 809	28, 472, 624	9, 369, 688	0.3	75.0	24.7
FALL RIVER.	1914 1919	29 31 150	42 106	14 12 37	4, 523 3, 226	351 154	3,759 2,616	413 456	7.8	83.1 81.2	9. 1 14. 1	35, 775, 728 13, 219, 200	1, 948, 991 495, 473	30, 996, 472 11, 423, 355	2, 830, 265 1, 300, 372	5,4 3,8	86, 6 86, 4	7.9 9.8
FITCHBURG.	1914	181	92	42	37, 015 36, 834	606 651	36,012 35,753	397 430	$1.6 \\ 1.8$	97.3 97.0	1.1 1.2	163, 246, 082 64, 663, 146	3, 102, 776 2, 083, 470	157, 995, 842 61, 687, 780	2, 147, 464 891, 896	$1.9\\3.2$	96, 8 95, 4	1.3 1.4
1. A	1919 1914	46 65	55 53	20 19	9, 907 8, 837	253 853	8,259 7,442	1, 395 542	2.6 9.7	83.4 84.2	14. 1 6. 1	58, 164, 842 23, 983, 352	1, 082, 331 1, 763, 213	42, 555, 087 19, 242, 753	14, 527, 424 2, 977, 386	1.9 7.4	73.2 80.2	25.0 12.4
GARDNER	1919 1914	24 14	27 27	8 8	4, 362 3, 982	48 36	4,111 3,809	203 137	1.1 0.9	94, 2 95, 7	4.7 3.4	18, 842, 173 8, 726, 574	260, 812 115, 397	17, 795, 907 8, 171, 675	785, 454 439, 502	1.4 1.3	94. 4 93. 7	4.2 5.0
GARDNER	1919 1914	24 31	39 26	10 7	4, 036 3, 964	226 356	3,623 3,376	$187 \\ 232$	5.6 9.0	89. 8 85. 2	4.6 5.8	13, 599, 682 7, 449, 987	1,057,445 737,089	11, 936, 294 6, 327, 244	605, 948 385, 654	7.8 9.9	87. 8 84. 9	4.5 5.2
¹ Includes t	ne grou	ар"А	ll othe	ers."			² Includ	les the	group	"Indiv	viduals	,,,	1 Include	s the group "				

* Includes the group "Corporations."

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

			ABER		AVE	RAGE 1	NUMBEI	l of W	AGE EA	RNER	s.			VALUE OF P	RODUCTS.			
INDUSTRY AND CITY.	Cen- sus	М	ABLIS IENTS IED B			In esta	ablishn ned by-	ients	Per ce	nt of 1	otal.		Of establi	shments own	ied by—	Perce	ont of 1	otal.
and a start of the second	year.	Indi- vid- uals.	pora-	All oth- ers,	Total.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	vid-]	Cor- pora- ions.	All oth- ers.	Total.	Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.
GLOUCESTER	1919 1914	35	42 29	13 22	2,684 2,814	105 229	2, 468 2, 263	$\frac{111}{322}$	3.9 8.1	92. 0 80. 4	4, 1 11, 5	\$18, 803, 673 8, 533, 964	\$773,234 657,191	\$17, 553, 013 6, 997, 958	\$477,426 \$78,815	4.1 7.7	93. 3 82. 0	2.5 10.3
GREENFIELD	1919 1914	19 21	26 23	8	2,750 1,602	62 131	2,620 1,424	68 47	2.3 8.2	95, 3 88, 9	2.5 2.9	9,481,382 3,527,101	506, 233 226, 590	8, 808, 072 2, 963, 334		5.3 6.4	92. 9 84. 0	
HAVERHILL	1919 1914	166 212	126	113 114	15, 783 13, 281	3, 427 2, 973	8,794 6,003		21.7 22.3	55.7 45.2	22.6 32.5	96, 276, 853 42, 409, 246	20, 497, 070 9, 741, 440	51, 141, 825 17, 979, 562		21.3 23.0	53.1 42.4	25.6 34.6
HOLYOKE	1919 1914	74 104	80	22 30	17,773 17,493	351 470	16,584 16,558	838 465	2.0 2.7	93.3 94.6	4.7 2.7	93, 426, 775 44, 041, 155	2, 277, 460 1, 057, 481	88,015,938 41,413,664			94. 2 94. (3.4 3.6
LAWRENCE	1919	102 135	73	19 30	30, 319 31, 043	902 810	29, 291 29, 003	126	3.0 2.6	96.6 93.4	0.4 4.0	183, 449, 096 73, 177, 803	3,654,659 2,008,687	179, 056, 079 67, 589, 014	738,358 3,580,102	2.0 2.7	97. 6 92. 4	0.4 4 4.9
LEOMINSTER	1919 1914	29	48	15 14	5, 793 4, 929	386 378	4, 879 4, 098	528	1 1	84.2 83.1	9.1 9.2	24, 928, 790		21, 169, 230 9, 195, 460	2, 582, 785	ll	84. 9 84. 8	10.4 8.0
Lowell		144	103	44 40	30, 111 29, 904	1,042 1,109	28, 750 28, 241		3, 5	95.5 94.4	1.1 1.9	137, 801, 538 56, 048, 641	5,212,282	131, 118, 104 52, 285, 160	1, 471, 152	1	95. 1 93. 1	1 1.1 3 2.2
LYNN	1	200 109	158	84 114	27, 355 25, 339	4,011 3,798				78, 9 67, 3	6,4 17,7	160, 905, 792	26, 384, 545	117, 604, 363 42, 585, 156	16, 916, 884 16, 126, 893	16.4 15.9		1 10, 5 0 23, 1
Malden		54 46	39	15	4,723		4, 338 2, 452		4.7	91, 8 86, 0	3, 5 5, 6		1,031,989 656,931	20, 316, 390 7, 358, 072	729, 245 351, 341	4.7	92. 87.	0 3.3 9 4.2
MARLBOROUGH		25 17		7		68	3, 720 3, 758	10 19	1.8 1.2	97. 8 98. 3	0.3	19, 044, 907 9, 983, 632	358, 870 124, 973	18, 592, 017 9, 755, 694	94, 020 102, 965) 1.9 i 1.4	97. 97.	6 0.5 7 1.0
Medford	1919	27		4	1,031 559	64	902 403	65 78		87.5 72.0	6.3 14.0			5, 128, 810 2, 246, 980) 199, 282) 142, 903	8 6.0 8 8.7		5 3.5 8 5.5
MELROSE		12			1,606 962	47 36	1, 513 767	40 159	2.9 3.8	94. 2 79, 7			228, 276		178,061 507,41€	3.8 3 2.9	93. 76.	
METHUEN		23		1	2, 571 1, 940	1 133 27	2, 438 1, 904	g	5.2 1.4	94.8 98.1	0.5	14, 214, 905 4, 461, 111	1 687, 864	13, 527, 041	37, 290	4.8		2 4 0.8
Milford		24	15	9	1,809 1,749		1, 587	•	9.8	87.7 87.8			736,808	7,452,77	5 218, 948 232, 138	8 8.1 8 8,	88. 85.	
NATICK	1010	25	13	11	1,463 1,347		517	742	13.9	35.3 21.6	50.7 61.4		1,695,006 1,164,967	2,021,23 985,65	9 3,677,155 4 2,415,635	2 22. 2 25.		3 49.7 6 52.9
New Bedford			88	37	41, 630 33, 343	753		187	1.8 1.5	97. 7 97. 6			3,930,618 1,607,963		5 1,619,220 5 1,625,625	8 1. 2 2.	97. 97. 95.	4 0.8 1 2.5
NEWBURYPORT		31	20	7	3,960	671	3, 197	t i	16.9	80.7 68.0	2.3 15.8		3,869,699 1,213,138	16, 402, 08 5, 846, 29	1 323, 235 3 1, 186, 56	5 18. 4 14,		
NEWTON	1919	20	23		2, 547	142		302 357		79.0 75.8			· 1,011,492 548,958	12,216,92 4,478,65		0 6. 1 9.		7 14.8 9 13.7
NORTH ADAMS		35	2 23		6,023	171	5, 816	1	2.8	96. 6 89. 0	0.6		662,812 367,666	35, 326, 37 9, 400, 34	8 214, 57 6 1, 154, 56		8 97. 4 86.	
NorthAmpton		3	3 21	. 9	3, 532	121	2,649	1	3.4 4.8	75. (79, 2			505, 265 466, 529	14,641,18 6,282,24	9 2, 814, 160 4 1, 831, 95	6 2. 7 5.	8 81. 4 73.	
Northbridge	. 1919	1.1	7 8			1	1	1	0.3			13, 848, 897			9	11		6
Norwood	1.11			1.1	l í	11	10 C	i		83. 4 91. (3.5	52, 906, 722				· II		0 4.5
PEABODY	1914	3	$ \begin{array}{cccc} 3 & 42 \\ 5 & 32 \\ 0 & 30 \end{array} $				4,647	1	12.5	84.7 90.2	2.8 8.6	41, 613, 350	11			11	7 90.	0 8.3
PITTSFIELD.	1914	42	2 29) 13	7,490		6,704		1.2	89. 8 98. 6	•	31, 319, 553	11	31,001,474	1	. 1.		
Plymouth	1914	1		5 3	19.65	5 40 566	2,78		1.4	97.9 95.8	0.7	68, 535, 400	1		1, 501, 693		7 94.	1 2.2
	1914	9	1 30) 56	5, 783	670	4, 544	1 569 4	11.6			11	11		3 33, 800	11 -		1 4.4
REVERE	1916	2		3 2	80	30	50)	. 37.5		25.8	30, 437, 957	11		7 7, 320, 85	1 7.		5 24.1
SALEM.	1914	9	6 4			il	1	5 1,448 2 1,509	7.2 15.0 4.0		5 28, 5	1				1		
Saugus Somerville	. 1919	7	3 5	2 15			5,36		L 8.9	87.8	3.3	99, 558, 513			8 1, 511, 15 7 809, 29	4 2. 4 3.	9 95. 5 94.	
Southbridge	1914	1	8 1	2 11	5, 329	1	2,23				56.8	18, 252, 814	1	8,607,15		11	1 47. 9 49.	2 50.8 3 48.8
Springfield	1914	17	1 16	0 61	18, 42				11		10.1	98, 332, 95	11	84,646,60		9 6.	1 86.	1 7.9
TAUNTON	1914	8	4 7	0 13	8, 98	11	8,63	1	3 2.4		2 1.4	48, 330, 63	1, 288, 81				7 96. 0 90.	$ \begin{array}{c} 2 & 1.2 \\ 4 & 2.6 \end{array} $
Bang 11 - 100 -	1914	4	5 5	3 14	at 7 , 87 1	l 477	1 0,71					ll others."	-, _, _, _, _, _,					

¹ Includes the group "All others."

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

			MBER		۸VI	ERAGE	NUMBE	ROFT	VAGE I	EARNE	Rg.		v	ALUE OF PRO	DUCTS.			
INDUSTRY AND CITY.	Cen- sus year,	1	TABLI MENT NED E	s			tablishi vned by		Per c	ent of	total.		Ofestabl	lishments own	ned by-	Per e	ent of	total,
		Indi- vid- uals.	pora-	oth-	Total.	Indi- vid- uals.	pora-	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	Individ- uals.	Corpora- tions.	All others.	Indi- vid- nals.	Cor- pora- tions	oth.
WAKEFIELD	1919 1914	13 6	16 12		1, 869 2, 008	30 25	1,298 1,398	541 585	1.6 1.3			\$8, 977, 010 6, 057, 659	\$213, 579 50, 262	\$5, 838, 835 4, 198, 384	\$2, 924, 596 1, 809, 013	2, 4 0, 8		32.6
WALTHAM	1919 1914	43 50	36 28	14 10	8,069 6,465	398 303	7,472 6,014	199 148	4.9 4.7	92.6 93.0	2.5 2.3	20, 878, 515 10, 236, 912	1, 265, 829 615, 646	18, 544, 958 9, 195, 339	$\substack{1,067,728\\425,927}$	6.1 6.0	88. 8 89. 8	
WATERTOWN	1919 1914	4 10	$15 \\ 16$	6 4	8, 420 4, 787	15 9		356 5	0.2 0.2	95.6 99.7	4.2 0.1	47, 297, 519 14, 764, 326	93, 132 27, 460	44, 967, 917 14, 698, 319	2, 236, 470 38, 547	0.2	95. 1 99. f	
WEBSTER	1919 1914	12 9	11 12	12	$3,849 \\ 3,246$	1 294 39	3, 555 3, 031	176	7.6 1.2	92.4 93.4		28, 400, 765 9, 233, 919	¹ 1, 697, 902 83, 307	26, 702, 863 8, 845, 967	. 304, 645	6.0 0.9		3.3
WESTFIELD	1919 1914	39 51	29 27	17 22	3, 243 3, 584	217 249	2, 797 8, 013	229 322	6.7 6.9	86. 2 84. 1	7.1 9.0	14, 278, 973 8, 420, 439	798, 394 1, 359, 590	12, 458, 830 6, 303, 744	1, 021, 749 757, 105	5.6 16.1	87. 3	7.2
WEST SPRINGFIELD	1919 1914	14 15	8 8	1 6	2, 791 2, 209	1 39 24		 12	1.4 1.1		0.5	12, 386, 556 5, 039, 953	¹ 236, 548 91, 795	$12, 150, 008 \\ 4, 896, 418$	51, 740	1.9 1.8	98.1	1
WEYMOUTH	1919 1914	16 23	15 11	`3 6	2, 146 2, 074	60 90	1, 969 1, 579	117 405	2.8 4.3	$ \begin{array}{r} 91.8 \\ 76.1 \end{array} $	5.5 19.6	16, 836, 997 8, 251, 041	180,092 171,264	16, 160, 842 6, 924, 194	490, 063 1, 155, 583	1.1 2.1	96. 0	
WINCHESTER	1919 1914	6 9	10 10	1	$1,112 \\ 1,048$	1 85 79	1, 027 969		7.6 7.5	92.4 92.5		9, 697, 701 5, 159, 479	1234,864 201,804	9, 462, 837 4, 957, 675		2, 4 3, 9	97, 6	
WINTHROF	1919 1914	15 9	2 1	2	61 16	52 14	1 9 2		85. 2 87. 5	14. 8 12, 5		330, 234 77, 994	191, 823 50, 931	138, 411		58. 1 65. 3	41.9	
WOBURN	1919 1914	23 29	$25 \\ 21$	5 7	2, 011 1, 585	233 340	1,633 1,002	$^{145}_{223}$	$ \begin{array}{c} 11.6 \\ 21.7 \end{array} $	81. 2 64. 0	7. 2 14. 3	13, 980, 185 5, 517, 800	950, 394 797, 652	12, 565, 146 3, 990, 872	464, 645 729, 282,	6.8 14.5	89. 9	1
Worcester	1919 1914	237 272	288 225	93 109	38, 673 29, 452	1, 838 2, 067	33, 864 24, 195	2, 971 3, 190	4. 8 7. 0	87.6 82.2	7.7 10.8	208, 705, 773 82, 829, 356	8, 787, 610 4, 809, 102	184, 466, 745 69, 615, 858	15, 451, 418 8, 404, 398	4.`2 5. S	88.4	

¹ Includes the group "All others."

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

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				CI	MES HAVING A	POPUL	ATION OF 10,000) or ov	ER.		THE STATE O OF CITIES H	
	Cen- sus	Aggregate.	I otal.		10,000 to 2	5,000.	25,000 to 100),000.	100,000 and	over.	A POPULATI 10,000 OR (ON OF
A	year.		Number or amount,	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.		Per cent of aggre- gate,	Number or amount.	Per cent of aggro- gate.	Number or amount.	Per centof aggre- gate.
Number of places	1919 1914 1909		66 59 54		89 33 29		20 19 20		7775			
Population 1	1920 1915 1910	3, 852, 356 3, 605, 522 3, 366, 416	3, 144, 077 2, 876, 682 2, 606, 380	81.6 79.8 77.4	594,111 494,004 435,391	15.4 13.7 12.9	$1,028,383 \\ 932,620 \\ 1,008,483$	26.7 25.9 30.0	1,521,583 1,450,058 1,162,506	39.5 40.2 34.5	708, 279 728, 840 760, 036	18.4 20.2 22.6
Number of establishments	1919 1914 1909	11,906 12,013 11,684	9,947 9,851 9,208	83.5 82,0 78.8	1,740 1,617 1,427	14.0 13.5 12.2	2, 921 2, 931 3, 124	24.5 24.4 26.7	5,286 5,303 4,657	44, 4 44, 1 39, 9	1,959 2,162 2,476	$16.5 \\ 18.0 \\ 21.2$
Average number of wage earners	1919 1914 1909	713, 830 606, 698 584, 559	609, 671 506, 397 477, 134	85, 4 83, 5 , 81, 6	$126,170 \\93,119 \\84,242$	17.7 15.3 14.4	206, 334 173, 802 205, 982	28.9 28.7 35.2	277, 167 239, 410 186, 910	38. 8 39. 5 32. 0	104,165 100,301 107,425	14.6 16.5 18.4
Value of products	191 9 1914 1909	\$4,011,181,532 1,641,373,047 1,490,529,386	\$3,462,478,225 1,390,652,276 1,234,417,010	86, 3 84, 7 82, 8	\$673,035,635 235,555,479 201,047,032	$16.8 \\ 14.4 \\ 13.5$	\$1, 223, 796, 067 499, 265, 367 543, 367, 703	30.5 30.4 36.5	\$1,565,646,523 655,831,430 490,002,275	39.0 40.0 32.9	\$548,703,307 250,720,771 256,112,376	13.7 15.3 17.2
Value added by manufacture	1919 1914 1909	1,750,468,496 709,989,254 659,764,443	1,510,299,854 006,786,515 548,219,736	86.3 85,5 83.1	291, 944, 685 104, 061, 660 90, 791, 565	16.7 14.7 13.8	521, 169, 292 204, 494, 856 229, 499, 986	29. 8 28. 8 34. 8	097, 185, 877 208, 179, 960 227, 928, 185	39. 8 42, 0 34, 5	240, 168, 642 103, 252, 739 111, 544, 707	$13.7 \\ 14.5 \\ 16.9$

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

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

	VA	LUE OF	PRODUCTS.			VA	LUE OF	PRODUCTS.	
CITY AND INDUSTRY.	Amount,	Per cent of	Increase 1 1914.		CITY AND INDUSTRY.	Amount,	Per cent of	Increase ¹ 1914.	
	1919.	total for the state.	Amount.	Per cent.		1919.	total for the state.	Amount.	Per cent.
Boston.					FALL RIVER-Continued.				
Confectionery and ice cream	35, 443, 382 34, 130, 476	$ \begin{array}{r} 66.9 \\ 41.1 \\ 19.2 \\ \hline 71.8 \\ \hline 71.8 \\ \hline 71.8 \\ 71$	\$30, 851, 060 24, 339, 648 21, 796, 250	202. 4 219. 2 176. 7	Foundry and machine-shop products ⁶ Cotton small wares Bread and other bakery products Beiting, leather. Bags, other than paper, not including bags made in textile mills.	\$3, 907, 201 1, 947, 518 1, 874, 956 738, 944	$2.2 \\ 23.6 \\ 2.8 \\ 18.7$	\$2, 843, 244 1, 468, 534 857, 724 (³)	267.2 306.6 84.3 (³)
periodicals Clothing, men's Boots and shoes, not including rubber		71.8 75.6	15, 692, 204 17, 608, 195	87.6 128.3	made in textile mills	(3)	(3)	(3)	(3)
boots and shoes. Chocolate and cocoa products. Frinting and publishing, book and job Bread and other bakery products. Clothing, women's. Coffee and spice, roasting and grinding	24, 277, 494 22, 809, 951	$\begin{array}{r} 6.2 \\ 80.1 \\ 54.8 \\ 32.8 \\ 67.9 \end{array}$	14, 273, 476 (3) 10, 736, 573 10, 267, 254 11, 047, 177 7, 775, 753	107.7 (³) 88.9 90.0 115.0	Cording and twine	J			
supplies	10, 671, 247 8, 956, 330 8, 661, 345	95.6 11.6 60.9 86.7	7,036,332 120,058 7,844,992	91.9 193.6 1.4 961.0	Boots and shoes, not including rubber boots and shoes. Boot and shoe cut stock. Boot and shoe findings. Boxes, wooden packing, except cigar baxes.	59, 699, 812 14, 924, 501 9, 424, 749 964, 350 709, 457	13.5 17.3 21.2 6.4	34, 379, 859 8, 717, 528 5, 310, 321 366, 517	135.8 140.4 129.1 61.3
Tobacco, cigars and cigarettes Steam fittings and steam and hot-water heating apparatus Slaughtering and meat packing Food preparations, not elsowhere specified.	8, 400, 426 8, 134, 716 6, 651, 615 5, 660, 552	72.7 60.4 6.0 59.0	1,772,448 5,053,758 1,536,472 3,166,395	26.7 164.0 30.0 126.6	Boxes, set-up paper boxes and cartons. Bread and other bakery products. Hats, wool-felt. Leather tanned, curried, and finished. Paper and wood pulp. Woolen goods.	729, 455 694, 375	4.7 1.1 (³)	444, 223 411, 643 (³)	155.7 145.6 (^a)
Furniture Pickles, preserves, and sauces Cars and general shop construction and	5, 344, 428 5, 246, 494	22.6 83.9	3, 116, 340 3, 273, 133	139. 9 165. 9	HOLYOKE,	,			
repairs by steam-railroad companies House-furnishing goods, not elsewhere specified Copport, tin, and sheet-fron work Musical instruments, planos Cotton goods Kuit goods	4, 728, 165 4, 685, 175 4, 619, 480 4, 552, 210 4, 407, 623	20.9 60.8 55.6 56.0 0.7		$\begin{array}{r} -5.9 \\ 2,058.4 \\ 103.0 \\ 62.1 \\ 258.9 \end{array}$	Paper and wood pulp Stationery goods, not elsewhere specified Paper goods, not elsewhere specified Bookbinding and blank-book making Foundry and machine-shop products	21,375,894 4,491,361 3,644,794 2,852,417 2,387,961	24.529.626.934.92.1		62.2 137.8 88.7 123.8 119.4
Knit goods Cutlery and edge tools Ordnance and accessories Sugar, refining, not including beet sugar	(3)	8,0 (3)	2, 608, 890 (*)	163-5 (*)	Lumber, planing-mill products, not in- cluding planing mills connected with sawmills. Bread and other bakery products. Cotton goods.	1, 349, 854 950, 597	10.7 1.4	708, 501 339, 823	110. (69. (
BROCKTON. Boots and shoes, not including rubber					Pumps, steam Silk goods Worsted goods	(3)	(3)	(3)	(3)
boots and shoos Boot and shoo findings Boot and shoo cut stock Lasts Foundry and machine-shop products Printing, job Blacking, stains, and dressings Bread and other bakery products Cotton small wares	$\begin{array}{c} 14,075,890\\ 5,978,865\\ 1,857,436\\ 929,057\\ 920,823\\ 837,536\\ 809,788\\ 800,950\end{array}$	18.431.76.931.60.82.211.81.29.7	40, 510, 870 8, 741, 958 2, 223, 337 1, 273, 078 497, 732 438, 619 408, 001 259, 732 (3)	132.8 103.9 59.2 217.9 115.4 91.0 95.0 -24.3 (³)	LAWRENCE. Worsted goods Cotton goods Foundry and machine-shop products ⁶ Paper and wood pulp Bread and other bakery products Boots and shoes, not including rubber boots and shoes.	125, 760, 608 20, 937, 148 3, 892, 342 3, 607, 646 1, 409, 364	53.0 3.5 2.2 4.2 2.1	(3) 13, 794, 021 2, 619, 601 (8) 609, 625	(³) 193. : 205. 8 (⁸) 76. 2
Confectionery and ice cream. (as, illuminating and heating Iron and steel, nulls and spikes, not made in steel works or rolling mills Suspenders, garters, and elastic woven goods	(8)	(8)	(8)	(3)	Carpets and rugs, other than rag. Dyoing and Anishing textiles, exclusive of that done in textile mills. Wool scouring. Woolen goods.	(3)	(3)	(8)	(8)
CAMBRIDGE.	11,460,261	16.6	7,652,552	201.0	LowerL. Cotton goods	60, 451, 404	10. 1	37, 445, 483	162.8
Bread and other bakery products	9,094,101	13.8	5, 139, 608	130.0	Cotton goods. Knit goods. Foundry and machine-shop products Dveing and finishing textiles, exclusive of	17, 172, 099 9, 469, 973	{	6, 681, 521	(³) 239.
supplies. Printing and publishing, book and job Foundry and machine-shop products Furniture Musical instruments, pianos	2,178,731	9.5 18.8 4.3 9.2 19.7	4, 956, 400 4, 232, 966 894, 967 (³)	(³) 173.0 276.0 69.7 (⁵)	Dysing and finishing textiles, exclusive of that done in textile mills. Woolen goods. Worsted goods. Boots and shoes, not including rubber	5, 360, 860 5, 368, 558 4, 429, 638	5.1 1.9	$\begin{array}{c} 3,929,594\\ 4,163,995\\ 1,710,447\\ -411,388 \end{array}$	272. 345. 62.
Structural ironwork, not made in steel works or rolling mills Coppor, tin, and sheet-iron work Boxes, sot-up paper loxes Bookbinding and blank-book making	$1,543,477\\1,509,124\\1,447,157\\1,280,108$	$\begin{array}{c} 23.1 \\ 18.1 \\ 9.2 \\ 15.6 \end{array}$	588, 207 (³) 848, 377 802, 544	61.6 (⁸) 141.7 206.6	Boots and shoes, not including rubber boots and shoes Bread and other bakery products Patent medicines and compounds Boxes, wooden packing, except cigar boxes. Lumher, planing-mill products, not in- cluding planing mills connected with savemils	3, 137, 655 1, 723, 508 1, 512, 540 1, 245, 871	2. 6 16. 6 8. 3	980, 464 717, 299 589, 652	134. 90. 89.
Bolting and hose, rubber Blacking, stains, and dressings Boots and shoes, rubber Clothing, men's.					sawmills. Ammunition Gas, illuminating and heating. Leather, tannod, curried, and finished Liquors, malt.	(3)	9.0 (³)	664, 640 (³)	142,4 (⁸)
Gas, illuminating and heating Grease and tallow, not including lubri- cating greases	(3)	(3)	(1)	(1)	LYNN.				
Ink, writing. Needles, pins, and hooks and eyes Nets and seines. Oleomargarine, and other butter sub-					Boots and shoes, not including rubber boots and shoes. Electrical machinery, apparatus, and sup- plies. Boot and shoe cut stock.	66, 457, 349 33, 149, 457	15.0 36.1	36, 390, 534	121. ((³) 122. (
stitutes. Pumps, steam Soap Stationery goods, not elsewhere specified					Boot and shoe cut stock Leather, tanned, curried, and finished Boot and shoe findings. Bread and other bakery products. Lasts. Foundry and machine-shop products. Foundry and machine-shop products.	23, 152, 402 15, 824, 162 7, 057, 057	26.9 12.2 15.9 2.5 25.1		122.0 311.5 107.1 108.5 280.5
FALL RIVER. Cotton goods Dycing and finishing textiles, exclusive of that done in textile mills	135, 783, 717 8, 250, 120	22.8 11.0	11	174. 2 (³)	Lasts Foundry and machine-shop products Blacking, stains, and dressings Muchage, paste, and other adhesives, not elsewhere specified fincludes "firon and steel, welding arts." includes "firon and steel, welding	710,039	1.1 13.3 26.6	(3)	(3)

A minus sign (-) denotes decrease.
Includes "iron and steel, tempering and welding," and "textile machinery and parts."
Figures can not be shown without disclosing individual operations.

Includes "firon and steel, welding," and "machine tools."
 Includes "firon and steel, welding," and "textile machinery and parts."
 Includes "textile machinery and parts."

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

	VA	LUE OF	PRODUCTS.			VA	LUE OF	PRODUCTS.	
CITY AND INDUSTRY.	Amount,	Per cent of	Increase 1914.		CITY AND INDUSTRY.	Amount, 1919.	Per cent of total	Increase 1 1914.	
	1919.	total for the state.	Amount.	Per cent.	<u>.</u>	1015.	for the state.	Amount.	Per cent.
Lynn-Continued.			ļ		Springfield—Continued.				
Boxes, set-up paper boxes. Printing, job. Boxes, wooden packing, except cigar boxes. Gas, illuminating and heating. Patent and proprietary medicines.	} (2)	3.2 1.2 (²)	-\$230,709 156,236 (²)	-31.3 45.3 (2)	Chemicals. Checolate and coccos products. Clothing, men's. Cotton goods. Envelopes.				
NEW BEDFORD.		29, 7	125, 292, 286	242.0	Firearms. Gas, illuminating and heating. Iron and steel, forgings, not made in steel works or rolling mills.	(2)	(3)	(2)	(2)
Cotton goods. Bread and other bakery products. Oil, animal and composite. Foundry and machineshop products ³ Printing, and publishing, newspapers and	1,000,002	3.6 43.3 0.8	1,190,552 (2) 863,426	97.7 (²) 165.3 60.7	Knit goods Motorcycles, bicycles, and parts Slaughtering and meat packing Sporting and athletic goods Toys and games				
periodicals. Sausage, not made in slaughtering and meat-packing establishments.	659,405 573,008	1.4 10.8	249,197 261,590	84,0	Worcester.	, 			
Boot and shoe indings.					Foundry and machine-shop products ⁶ Boots and shoes, not including rubber boots	\$36, 104, 377	17.9	\$25, 200, 412	231.1
Boots and shoes. Brass and bronze products. Gas, illuminating and heating. Glass. Paper goods, not elsewhere specified. Silk goods, including throwsters Tools, not elsewhere specified.	(2)	(2)	(2)	(3)	and shoes. Envelopes. Cotton goods. Corsets. Wosted goods. Electrical machinery, apparatus, and sup-	$\begin{array}{c} 7,396,821\\ 6,409,355\\ 5,804,459\\ 5,235,051\\ 4,782,280\\ 4,082,705 \end{array}$	1.759.51.077.44.51.7	$\begin{array}{c} 4,760,077\\ 3,605,955\\ 5,158,482\\ 1,801,544\\ 3,091,795\\ 2,188,047 \end{array}$	$181.5 \\ 125.9 \\ 730.7 \\ 52.5 \\ 182.9 \\ 115.5$
SOMERVILLE.				100.0	Tools, not elsewhere specified	3,110,670 3,020,205 2,865,707 2,701,668	8.4 10.4	2,839,592 2,601,571	1,047.5 621.4
Slaughtering and meat packing ⁴ Bread and other bakery products Grease and tallow, not including lubricating	1,652,912	73. 3 2. 5	48,405,051 985,038	133.2 147.5	Bread and other bakery products Clothing, women's Musical instruments, piano and organ ma-		4.3 8.9	1,358,092 1,050,115	90.1 63.6
greases. Confectionery and ice cream. Bags, paper, not including bags made in	609,832 493,031	8.3 0.7	(2) 181,834	(²) 58.4	terials. Printing and publishing, newspapers and _periodicals.	2,259,862 2,132,957	47.3 4.6	1,663,441 1,208,114	278.9 130.6
paper mills. Brass, bronze, and copper products Cars and general shop construction and	(2)	(2)	(2)	(3)	Wirework, not elsewhere specified Stamped ware, not elsewhere specified Clothing, men's. Structural ironwork, not made in steel works or rolling mills.	1,750,514 1,511,091 1,238,117	38.7 57.5 3.0	$\begin{array}{r} 1,208,114\\-853,320\\464,202\\569,687\end{array}$	
repairs by steam-railroad companies Food preparations, not elsewhere specified. Furniture, wood, other than rattan and					works or rolling mills. Cutlery and edge tools. Dyoing and finishing textiles, exclusive of that done in textile mills.	1, 142, 349 1, 132, 696	17.1 5.8	477, 469 894, 747	71,8 376,0
willow)				that done in textile mills. Carpets and rugs, other than rag.	1,016,184	1.4	208,349	35.9
Foundry and machine-shop products ⁵ Electrical machinery, apparatus, and sup-	8,683,567 7,276,769	6.4 7.9	5,889,463 3,262,092	210.8 81.3	Carpets and rugs, other than rag. Emory and other abrasive wheels. Gas, illuminating and heating. Iron and steel, steel works and rolling mills, from and steel, forgings, not made in steel				
plies. Bread and other bakery products. Brass and bronze products. Confectionery and ice cream. Stationery goods, not elsewhere specified. Printing and publishing, newspapers and	4,347,014 3,467,771 2,648,450 2,354,496	$\begin{array}{r} 6.6 \\ 20.5 \\ 3.8 \\ 15.5 \end{array}$	2,032,013 2,987,287 1,419,343 (³)	$\begin{array}{c c} 207.4 \\ 621.7 \\ 115.5 \\ (^2) \end{array}$	tron and steel, steel works and rolling mills. Iron and steel, forgings not made in steel works or rolling mills. Leather, tanned, curried, and finished. Liquors, malt. Ordnance and accessories. Seraws, wood.		(2)	(2)	(2)
periodicals. Printing and publishing, book and job Automobilo bodies and parts. Saws. Tobacco, eigars.	1,349,950	$ \begin{array}{r} 4.9 \\ 5.5 \\ 12.2 \\ 32.2 \\ 10.8 \end{array} $	370,575 1,068,463 1,374,683 (²⁾ 330,177	$ \begin{array}{c} 19.2 \\ 87.6 \\ 857.0 \\ (^2) \\ 35.9 \end{array} $	Slaughtering and meat packing. Suspenders, garters, and elastic woven goods. Trunks and valises. Wire.				

A minus sign (-) denotes decrease.
 Figures can not be shown without disclosing individual operations.
 Includes "textile machinery and parts."

Includes "sausage, not made in slaughtering and meat-packing establishments."
Includes "iron and steel, welding," and "machine tools."
Includes "machine tools" and "textile machinery and parts."

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

	NUMBER O	F ENGINES O	R MOTORS.			HORSEPOWE	R.		
POWER.	1919	1914	1000		Amount.		Per o	ent distribu	tion,
	1515	1914	1909	1919	1914	· 1909	1919	1914	1909
Primary power, total	71, 287	33, 617	19, 279	1,729,878	1, 396, 722	1, 175, 071	100.0	100.0	100.0
Owned. Steam 1. Engines. Turbines. Internal-combustion engines. Water Water wheels and turbines. Water motors.	4,268	7,205 4,893 (2) (2) 770 1,542 1,480 62	8,485 5,784 (²⁾ (²⁾ 896 1,805 1,750 55	$\begin{array}{r} 1,165,461\\ 964,932\\ 604,531\\ 270,401\\ 11,227\\ 189,302\\ 189,210\\ 92\end{array}$	$1,180,573 \\970,506 \\ (^3) \\ (^a) \\20,242 \\189,825 \\188,917 \\908 \\908$	$1,040,438\\835,596\\(^2)\\(^2)\\18,326\\186,516\\185,996\\520$	$\begin{array}{c} 67.4\\ 55.8\\ 40.1\\ 15.6\\ 0.6\\ 10.9\\ 10.9\\ (^3)\end{array}$	84.5 69.5 1.4 13.6 13.5 0.1	88.5 71.1 1.6 15.9 15.8 (³)
Rented Electric Other	65, 360 65, 360	26, 412 26, 412	10, 794 10, 794	504, 417 551, 521 12, 896	216, 149 200, 339 15, 810	134, 633 109, 996 24, 637	$32.6 \\ 31.9 \\ 0.7$	$15.5 \\ 14.3 \\ 1.1$	$ \begin{array}{c} 11.5 \\ 9.4 \\ 2.1 \end{array} $
Electric Rented Generated by establishments reporting	105, 056 65, 360 39, 696	56, 927 26, 412 30, 515	29, 344 10, 794 18, 550	975, 795 551, 521 424, 274	582, 971 200, 339 382, 632	402, 492 109, 996 292, 496	$100.0 \\ 56.5 \\ 43.5$	$ 100.0 \\ 34.4 \\ 65.6 $	100.0 27.3 72.7

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

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

	co	AL.			Gasoline	
INDUSTRY AND CITY.	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).	Coke (tons, 2,000 pounds).	Fuel oils (barrels).	and other volatile oils (barrels).	Gas (1,000 cubic feet).
All industries	693,759 664,428 4.4	5,634,701 5,506,406 2.3	501, 293 223, 132 124. 7	3, 663, 077 844, 251 344, 6	90, 483 (1) (1)	1, 222, 444 630, 455 93. 9
Automobile bodies and parts. Belting and hoso, rubbor Boot and shoe findings. Boots and shoes, not including rubber boots and shoes. Boots and shoes, rubbor.		11, 521 40, 205 13, 254 76, 949 45, 992	15 274 83 362	510 236 20, 148 531	638 28 3 131 4,561	1,755 3,039 9,598
Brass, bronze, and copper products Bread and other bakery products Brick and tile, terra-cotta, and fire-clay products. Carpets and rugs, other than rag. Cars and general shop construction and repairs by steam-railroad companies	$\begin{array}{r} 12,211\\31,810\\4,956\\3,646\\6\end{array}$	20, 904 18, 457 16, 614 24, 861 42, 795	2,710 34,169 78 200,271	30,216 1,298 14,676	29 370 	6,470 67,991 444 821
Chemicals. Chocolate and cocoa products. Coal-tar products. Coke, not including gas-house coke. Confectionery and ice cream.		44,699 18,861 10,965 477,782 29,292	133 2,861 400	6,775 	43 191	751 24,976 3,167 67,051
Cotton goods. Cutlery and edge tools. Dyeing and finishing toxtlles, exclusive of that done in textile mills. Electrical machinery, apparatus, and supplies. Emery and other abrasive wheels.		1, 089, 589 9, 066 231, 339 95, 077 23, 429	1, 364 287 6, 125 289	43, 262 4, 648 239, 373 237, 720	1,005 403 44 9,984	9,780 3,419 18,328 171,836 196
Felt goods Foundry and machine-shop products Furniture Gas, illuminating and heating. Gluo, not elsewhere specified	1.177	22, 080 103, 151 19, 824 572, 102 25, 100	49, 826 246 119, 862 735	45, 753 23 1, 785, 175 44	1, 359 7 17, 762	40, 585 992 4, 184
Grease and tallow, not including lubricating greases Ice, manufactured Iron and steel, steel works and rolling mills Iron and steel, forgings, not made in steel works or rolling mills Knit goods	$1,260 \\ 16 \\ 1,342 \\ 1,216 \\ 4,886$	24, 734 17, 824 142, 309 28, 165 42, 503	52 1, 228 20 74	10 1,003 278,441 95,754 8	2, 725 33 366 184 1	107, 817 16, 794 1, 339
Leather, tanned, curried, and finished Lime Liquors, malt. Machine tools. Marble and stone work.	35, 421 15 1, 176 1, 683 635	145,060 30,044 41,405 17,452 16,983	152 2,802 1,377 1,515 66	25 7,590 202	8, 188 236 145 164	723 19, 119 1, 119
Musical instruments, pianos Optical goods Ordnance and accessories Paper and wood pulp Paper goods, not elsewhere specified	397 40 64, 120 1, 261	11, 365 15, 123 13, 366 520, 492 16, 104	72 451	2,868 2,077 62,278	510	120 12, 015 5, 000 354
Plumbers' supplies, not elsewhere specified Printing and publishing, newspapers and periodicals. Pumps, steam and other power Roofing matorials. Rubber tires, tubes, and rubber goods, not elsewhere specified	947 2,851 24 853	10, 642 8, 610 14, 745 10, 273 90, 702	101 27 3, 485 1, 518 2, 689	750 10, 399 10, 963 4, 489 156	46 2,105 4,139	533 73, 547 64 110
Shipbuilding, steel. Silk goods, including throwsters. Slaughtering and meat packing. Steam fittings and steam and hot-water heating apparatus. Sugar, refining, not including beet sugar.	11 2,000 66,313 3,385 10,850	41, 544 17, 488 12, 597 8, 416 110, 520	5, 132 120 10, 828	32, 294 11, 073	110 309	15 38 2, 024 12, 549

¹ Included in figures for fuel oils.

9

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

	co	AL.	Coke	17	Gasoline	Gas
INDUSTRY AND CITY.	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).	(tons, 2,000 pounds).	Fuel oils (barrels).	and other volatile oils (barrels).	(1,000 cubic feet).
iuspenders, garters, and elastic woven goods. Sociale machinery and parts. Yools, not elsewhere specified. Vire. Vool scouring.	252 2,780 3,021 2,429 362	12, 127 61, 183 20, 514 96, 647 20, 109	17,247 485 174 45	14,678 31,348 82,970	211 305 2,644	25,0 41,0 6,0
Vool shoddy	14 8,777 11,929 91,273	10, 959 175, 588 345, 084 399, 516	75 434 31,036	45 494, 973 88, 270	21, 702 50 9, 636	9 460, 7
Total for cities	608,016	4, 763, 210	282, 218	2, 422, 902	86, 520	1, 170, 3
DAMS MESBURY 	7,835 1,199 4,292 1,591 2,009	55,400 11,094 1,343 26,045 2,428	2,814 878 238 1,339 15	4 , 746 5 , 592	3 10,594 86	76, 9
EVERLY. OSTON RAINTREE ROCKTON ROOKLINE	$1,568 \\ 52,827 \\ 2,834 \\ 17,900 \\ 297$	27, 474 395, 320 7, 527 55, 892 420	3,612 27,510 1,427 1,242 1	4, 147 91, 689 6, 814 11, 314	1,207 1 60	6,7 390,1 2,4 4,5
AMBRIDGE HELSEA HICOPEE LINTON ANVERS.	29,639 3,866 10,090 1,703 107	190, 482 35, 656 66, 127 34, 197 15, 900	10, 722 8, 028 324 360 58	35, 369 510 14, 984 1, 837 1	1,384 56 3 705	19,6 37,0 3,1 4,5
EDHAM ASTHAMPTON VERETT ALL RIVER. TICHURG	$\begin{array}{c} 1,524\\ 8,603\\ 24,516\\ 22,047\\ 7,635\end{array}$	6, 937 18, 663 501, 706 425, 957 109, 486	144 115, 684 2, 375 1, 279	1 3, 800 386, 057 20, 341 106, 718	3 472 469 233	6, 16, 7,
RAMINGHAM ARDNER LOUCESTER REENPIELD AVERHIL	2,944 945 7,170 2,617 7,217	22, 814 10, 528 12, 605 5, 260 41, 730	6, 312 1, 584 295 512 3, 601	9,916 2,497 70 8,756 22,647	2,706 5,381 142 6	2, 1, 16, 11,
IOLYOKE	$\begin{array}{c} 12,207\\ 9,247\\ 3,657\\ 6,292\\ 52,480 \end{array}$	251,018 339,701 27,036 255,981 36,750	2,976 3,403 409 5,433 4,017	607, 046 4, 875 18, 685 259, 912	20, 590 133 10 21, 663 9, 439	6, 5, 16, 96,
ALDEN. ARLBOROUGH. EDFORD ELROSE. ETILUEN.	6, 410 783 988 3, 391 103	51,762 5,655 4,864 4,974 11,637	534 205 136 643 136	57, 430 1, 922 401	1 1.62 	13, 3,
ILFORD ATICK EW BEDFORD EWBURYFORT. EWTON	368 386 24,432 1,833 1,554	9,233 6,533 349,435 13,637 16,876	$108 \\ 110 \\ 738 \\ 1,005 \\ 1,630$	14 500 48, 392 147 1, 023	2 44 3,472 4 169	1, 20, 9, 1,
ORTH ADAMS. ORTHAMPTON ORTHBRIDGE. ORWOOD CABODY.	33, 726 2, 875 344 33, 740	60, 312 31, 607 24, 422 28, 522 99, 139	$125 \\ 275 \\ 2,600 \\ 1,655 \\ 865$	9,715 4,732 3,274 4,121 74	47 41 178 705	2, 1,
(TTSFIELD LYMOUTH UINCY EVERE LLEM	8, 190 319 831 255 3, 577	95,771 16,543 50,878 5,585 33,153	2, 789 17, 921 6, 001 291 724	15,824 38,110 300 16,582	57 50 117 20	44, 5, 10,
LUGUS. DMBRVILLE. UTHBRIDGE PRINGFIELD	15 57, 065 625 28, 795	929 22,651 35,724 115,528	38 4,702 3,179	$ 15,026 \\ 3,414 \\ 102,670 $	13 809 800	6, 9, 46,
AUNTON AREFIELD AL/HAM ATERTOWN	7, 443 737 6, 145 2, 198	98,045 9,698 33,555 38,255	5, 924 342 1, 174 1, 720	30, 509 1, 048 7, 839 580	237	12, 14,
'EBSTER 'ESTFIELD. 'EST SPRINGFIELD. 'EYMOUTH.	2,550 2,416 9,289 1,941	42,004 21,521 29,592 7,372	6,041 46	6, 599 4, 145 8, 954	120 777 9 2	1,
/inchester /inthrop /oburn 	7, 581 143 4, 485 45, 625	5, 275 5 34, 354 356, 087	521 69 1,177 11,302	14,677 396,346	130 54 2,091	1, 211,

橡

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for 11 of these industries in Massachusetts are here presented.

Textiles (Table 19).-This table shows the total value of products relating to the manufacture of textiles in Massachusetts and the comparative importance of the different branches as measured by value of products for 1919, 1914, and 1909. Considered as a whole, this state is the most prominent textile manufacturing center in the United States, and in 1919 ranked first with 21.6 per cent of the total value of the several classes of textiles produced in all states. In 1919 the combined textile industry was the leading industry in Massachusetts, contributing 27.9 per cent to the total value of products for all industries in the state.

The proportions of the textile industry in this state have expanded in many directions until in 1919 the various kinds of textile industries combined, with 587 establishments, gave employment to an average of 209,489 wage earners; the value of their products amounted to \$1,120,543,711 and the value added by manufacture to \$438,098,778. In addition to leading in 1919 in the production of textiles in the aggregate. the state ranked first in 8 of the 17 distinctive branches, namely, cotton goods, worsted goods, woolen goods, cordage and twine, jute goods, oilcloth, enameled, wool shoddy, and linen goods; second in felt goods, and hats, wool-felt; and third in knit goods, carpets and rugs, other than rag, and cotton small wares.

The principal branches of the textile industry for the state are shown in detail in Tables 20, 21, 22, and 23.

TABLE 19.-TEXTILES: 1919, 1914, AND 1909.

	VAI	VALUE OF PRODUCTS.			
INDUSTRY.	1919	1914	1909		
Total	\$1,120,543,711	1 \$393, 463, 952	\$388, 114, 514		
Cotton goods, including cotton small wares. Wool manufactures ² Carpots and rugs, other than rag. Knit goods, including throwsters. Sllk goods, including throwsters. Cordage and twine, and linen goods Other textile industries ⁴ .	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$197, 322, 111\\141, 329, 858\\130, 348, 514\\10, 981, 344\\17, 419, 077\\10, 676, 681\\8 23, 280, 246\\3, 435, 979$	186, 462, 313 153, 477, 015 140, 665, 034 12, 811, 981 14, 786, 025 8, 942, 246 8 15, 979, 115 8, 517, 800		

¹ Exclusive of 2 establishments, "oilcloth, enameled," to avoid disclosure of individual operations. ² Wool-felf hats included with "other textile industries" to avoid disclosure of

² Wool-folk hats included with "other textue industries to avoid disclosure of individual operations. ³ Includes "jute goods," to avoid disclosure of individual operations. ⁴ Includes "hats, fur-felt", "hats, wool-felt"; and "wool shoddy" for all years; "jute goods" for 1910; and "oilcloth, enameled," for 1910 and 1909.

Cotton goods, including cotton small wares (Table 20).—This table shows the quantity and cost of the principal materials used and the quantity and value of the chief products for the manufacture of cotton goods. including cotton small wares, for the census years 1919, 1914, and 1909.

Massachusetts, from an early period in the history of the cotton mill, has been the leading state in the consumption of raw cotton. Among the different kinds of materials used in this industry in the state during 1919, raw cotton was of first importance. In 1919 this raw material formed over one-half of the total cost of all materials used in the cotton industry in the state, and showed an increase of 6 per cent over the quantity used in 1914. The mills in the state usually consume about one-half of the total foreign cotton used in the United States. This special cotton, which is mostly Egyptian, is used chiefly in the manufacture of yarn for sale, tire fabrics, and sewing thread. and to a less extent in the manufacture of such fabrics as organdies, lawns, nainsooks, and shirtings. In 1919 Massachusetts was the principal cotton-yarn market of the United States and this material was the second item of cost in the list of component materials used in the manufacture of cotton goods in the state; while silk, in the form of raw silk and silk yarns, chiefly used for decorative purposes in cotton fabrics, was third.

Among the industries in Massachusetts at the census of 1919, cotton goods ranked first in value of products. There are many other large industries within the state, and, as a result, the value of products for this industry represented only 15.1 per cent of the total value of products for all industries. Massachusetts also ranked first among the states in the value of cotton goods, with 27.9 per cent of the total in the United States, or nearly double that of the second largest cotton manufacturing state. Woven goods was the chief outstanding product, with 64.5 per cent of the total value of products for the industry in the state, and 26.2 per cent of the total cotton woven goods in the United States. Yarn, manufactured for sale, was second in importance, with 24.1 per cent of the total value of cotton goods in the state, and 32 per cent of the total for cotton yarn, manufactured for sale, in the United States. The following will enumerate some of the different kinds of woven goods for which the state held first rank in the United States. They are arranged in their order of importance according to the value within the state, followed by the percentage that each bears to the total value of the respective product for the United States: Tire duck and other tire fabrics, 34.7 per cent; lawns, nainsooks, cambrics, and similar muslins, 55.1 per cent; shirtings, 36.9 per cent; ginghams, 32.2 per cent; twills, sateens, etc., 24.9 per cent; cotton blankets, 44.8 per cent; and tobacco, cheese, butter, bunting, and bandage cloths, 82.6 per cent.

TABLE 20.-COTTON GOODS, INCLUDING COTTON SMALL WARES: 1919, 1914, AND 1909.

	TABLE 20.—COTTON 1919.	GOODS, IN 1914, AND	CLUDING COTT 1909Continu	on Small ed.	WARES:
I		,			

	1919	1914	1909
MATERIALS. Total cost	\$364,920,724	\$119, 834, 334	\$105, 156, 794
Cotton: Pounds	662,726,150	624,727,544	622, 368, 027
Cost Domestic	\$244, 372, 261	\$89, 326, 563	\$77,738,315
Pounds Cost Foreign—	599, 333, 702 \$210, 935, 390	576,617,532 \$80,309,154	578, 315, 382 \$70, 495, 332
Pounds Cost Sotton waste purchased:	63, 392, 448 \$33, 436, 871	48, 110, 012 \$9, 017, 409	44,052,645 \$7,242,983
Cost.	36,868,630 \$3,707,323	17,886,518 \$860,435	20,024,977 \$1,100,785
taw silk:	384, 846 \$2, 146, 732	616,943 \$1,774,258	
Cost arns purchased: Pounds Cost	65, 518, 728 \$60, 476, 653	31,903,653 \$10,987,060	29,079,341 \$12,405,031
Cotton— Pounds Cost	64, 214, 703	31, 117, 952 \$9, 284, 324	27, 175, 076 \$8, 279, 665
Silk- Pounds	\$53, 860, 141 902, 643	(1) (1)	872, 303
Cost Spun silk— Pounds	\$4,773,607 138,186	(1) 445,732	\$2,854,181 187,691
Cost	\$670, 911	\$1,542,064	\$802,763
Pounds Cost	263,196 \$1,171,994	339,969 \$160,672	844, 271 \$468, 422
tarch, cost. hemicals and dyestuffs, cost uel and rent of power, cost Il other materials, cost	\$1,343,057 \$3,322,344 \$11,721,543 \$37,830,811	\$523, 338 \$1,601,767 \$4,984,427 \$9,776,486	\$471,045 \$1,609,908 \$4,041,092 \$7,790,618
PRODUCTS. Total value	\$604,937,749	\$197, 322, 111	\$186,462,313
Voven goods (over 12 inches in width): Pounds	302, 314, 466	(²)	(2) 1,989,578,059
Sheetings	392, 314, 466 1, 765, 948, 678 \$389, 911, 004 19, 590, 666	2,066,981,948 \$140,814,418	1,989,578,055 \$138,626,795
Pounds Square yards Value Print sloth	19,590,666 81,367,563 \$15,488,544		
Print cloth— Pounds. Square yards. Value. Tobacco, cheese, butter, bunting,	55, 453, 265 373, 938, 032 \$41, 574, 384		
and baddage cloths	18,362,166 202,401,915 \$14,016,944	(2) 1,385,708,338 \$68,157,429	(²) 1, 230, 679, 320 \$63, 028, 168
Lawns, nainsooks, cambrics, and similar muslins— Pounds Square yards Value.	29,241,009 243,580,824 \$43,709,594	400, 101, 120	000,023,10 0
Bitti tiligs—			
Pounds Square yards Value Ginghams-	22,040,735 120,927,564 \$30,745,775]	
Pounds Square yards Value	22,568,981 102,297,902 \$27,409,269	(2) 129,379,233 \$10,157,707	(2) 139, 552, 491 \$10, 753, 018
Drills— Pounds Square yards Value Twills, sateens, etc.—	9, 532, 041 30, 513, 477 \$6, 670, 675	(2) 12,425,634 \$1 ,690,223	(*) 17,088,244 \$1,998,819
Twills, sateens, etc.— Pounds Square yards Value Ticks and donims—	31, 270, 208 116, 915, 845 \$ 25, 199, 482	(2) 129,409,523 \$11,192,661	(2) 159,658,540 \$14,889,807
Ticks and denims— Pounds Square yards Value. Canton flanfiel, flannelettes, and	15,365,269 31,588,216 \$10,479,031	(*) 35, 128, 181 \$3, 941, 760	(2) 58,716,976 \$6,897,895
Canton flanfiel, flannolettes, and blanketings Pounds. Square yards Value.	22, 754, 967 78, 640, 678	(2) 75, 155, 157	(²) 123, 982, 755
Pounds	\$17,418,179 17,407,849 46,470,714	\$7, 870, 079	\$9, 470, 477 (2) (1) (1)
Vālue Tirefabrics (other than duck)— Pounds Square yards Value	\$14,615,019 14,567,668 18,647,503 \$15,261,266	(1) (2) (1)	(1) (2) (1) (1)
Pounds	42,294,670 39,639,018) (+)	(1)
Value.	\$45,722,608 4.875.125	(2)	(2)
Value. Numbered duck (except tire)	8,232,194 \$3,848,918	35, 818, 899 \$10, 384, 430	29, 169, 491 \$5, 988, 828
Pounds Square yards Value	2,086,468 1,972,836 \$1,415,806		

	1919	1914	1909
PRODUCTS-continued.			
Woven goods-Continued.			
Velvets, corduroys, plushes, etc			
Pounds Square yards	7,719,646	(2) 8,010,211	(2)
Square yards	12,059,895	8,010,211	6,109,23
Valuo.	\$9, 240, 219	\$2,054,181	\$1,707,50
Toweling and terry weaves-	1 001 254	(2)	(0)
Pounds. Square yards.	1,061,354 2,697,007 \$857,289	(³) 4, 279, 318	(2)
Voluo	\$857 280	\$487,237	4, 155, 90 \$413, 53
Value. Cloth composed of cotton and silk or	v oor, -ou	v 101j=01	# 110,00
other vegetable fiber and silk (ex-			
cept silk-striped shirtings)			
Pounds	2,625,171	(2)	(*)
Pounds Squaro yards	21, 143, 718	$\begin{pmatrix} 2 \\ 1 \\ 1 \end{pmatrix}$	(2) (1) (1)
Value	\$8, 192, 727	(1)	(1)
Other woven goods (over 12 inches	1		
in width)—	E9 407 000	(9)	(0)
Pounds	53,497,208	(2) 251,667,454	(2)
Pounds. Square yards. Value.	232, 913, 777 \$58, 045, 275	\$24,878,705	220, 465, 09 \$23, 478, 74
Chread—	000,030,210	\$22,010,100	#20, ±10, 14
Pounds	7,226,906	7,713,857	6,563,21
Values		\$5,310,536	\$5,285,75
Tauna far and as			,,
Pounds	154, 715, 201	112,623,922	108,930,86
Value	\$145, 888, 149	\$38,784,313	\$31, 725, 67
Cotton waste, for sale: Pounds			
Pounds	133, 500, 403	125, 634, 736	115,907,28
Value	\$18,246,641 \$9,620,273	\$6,793,957 \$1,272,132	\$4,650,37
Cotton small wares, value	\$9,020,273	\$1,272,132	\$884,44
All other products, value	\$25, 223, 264	\$4,346,755	\$5,289,27
mount received for contract work	\$1,228,593	(2)	(²)

1 Not reported separately.

²Not reported in 1914 and 1909.

Wool manufactures (Table 21).-The following table shows in detail the quantity and cost of materials used in wool manufactures, and the quantity and value of the principal products in Massachusetts for 1919, 1914, and 1909.

Wool manufactures as presented in Table 21 includes five branches or types of textile manufacturing, the titles of which are descriptive of their product. These branches and the value of products for 1919 are as follows: Worsted goods, \$237,443,077; woolen goods, \$105,183,068; carpets and rugs, other than rag, \$13,593,990; felt goods, \$10,286,361, and wool-felt hats, which is included in "all other products" to avoid disclosure of individual operations. In 1919 woolen goods and worsted goods combined formed 93.5 per cent of the total value of wool manufactures in the state.

Massachusetts has ranked first in the manufacture of woolen and worsted goods in the United States since the first Federal census of manufactures. The value of woolen and worsted goods produced in this state during 1919 formed 32.2 per cent of the total for the United States, or nearly double that of the second state in rank. During a considerable part of the census year 1919, the operation of the wool manufactures industry for the United States was below normal, and according to the monthly reports of "Active and idle wool machinery," received by the Bureau of the Census, the per cent of idle machinery averaged for the year in sets of woolen cards, 18.3 per cent; combs, 18.5 per cent; woolen spindles, 18.8 per cent; worsted spindles, 23.2 per cent; looms wider than 50-inch reed space, 31.1 per cent; looms under 50-inch reed space, 29.1

per cent; and carpet and rug looms, 46 per cent. Cards, combs, and spindles used in connection with the manufacture of knit goods were included in the "Active and idle wool machinery" reports, but with the comparatively small amount of such machinery in the knit-goods industry they would have little effect on the per cents as shown above.

Wool, forming 47.5 per cent of the total cost of materials, and yarns, forming 21.4 per cent, were the two chief materials used in wool manufactures. The cost of worsted yarn formed 67 per cent of the various kinds of yarns used. Fashion makes many demands upon this industry in the designing of its products, and the fluctuations in the different kinds of materials used, as reported from census to census, might be attributed principally to this cause.

TABLE	21	WOOL	MANUFACTURES:	1919,	1914,	AND	1909.	
-------	-----------	------	---------------	-------	-------	-----	-------	--

	1919	1914	1909
MATERIALS.			
Total cost	\$227, 371, 147	\$89, 745, 703	\$ 94, 797, 715
ar1.			
Vool: In condition purchased— Pounds	100 001 000	101 000 007	100 000 001
Pounds	163, 264, 869 \$108, 043, 388	165,039,667 \$40,325,696	167, 993, 961 \$47, 193, 010
Cost			411,100,010
Foreign— Pounds	88, 690, 043 \$57, 691, 453	79, 690, 137 \$20, 302, 783	71, 725, 674
Pounds Cost	\$57,691,453	\$20, 302, 783	\$21, 528, 685
Domestic— Pounds	74, 574, 826	85, 349, 530	96, 268, 287
Cost	\$50, 351, 935	85, 349, 530 \$20, 022, 913	\$25,664,325
Cost Equivalent in scoured condition,	100.070.400		100 949 109
pounds	100, 078, 489	99, 914, 078	108, 243, 103
Cotton: Pounds	5,084,568	10, 814, 793	10, 143, 678 \$1, 237, 820
Cost	5,084,568 \$1,883,328	10, 814, 793 \$1, 263, 958	\$1,237,820
Domestic-	3 059 500	8,930,581	9, 253, 389
Pounds Cost	3, 952, 522 \$1, 357, 408	\$960, 836	\$1,086,397
Foraign			000 000
Pounds Cost	1, 132, 046 \$525, 920	1, 884, 212 \$303, 122	890, 289 \$151, 423
Cost	4020, 920		
Animal hair: Pounds	10, 843, 903	5,399,163 \$1,710,701	3,876,452 \$1,100,038
Pounds Cost	\$4, 335, 734	\$1,710,701	\$1,100,038
Recovered wool fiber:	11, 120, 116	5,853,328	3,687,530
Pounds	11, 120, 116 \$3, 980, 880	5, 853, 328 \$692, 537	3,687,530 \$547,990
Pounds Cost Pounds Pounds			0.006.911
Pounds	15, 582, 931 \$10, 806, 415	10,959,863 \$2,657,705	9,996,811 \$2,692,110
	<i>w</i> 10,000,110	1	
Pounds	6, 766, 376	9, 110, 710 \$4, 974, 310	5,039,116 \$3,461,319
Fops, purchased: Pounds Cost	\$11, 439, 360	\$4,974,310	\$3,401,319
YAPUS, DIFFEDASCOL	36, 445, 723	44, 334, 079	46,077,736
Pounds Cost	36, 445, 723 \$48, 567, 935	44, 334, 079 \$22, 026, 410	\$24, 461, 745
Woolon	Į.	2 000 000	1 534 135
Pounds Cost	3, 315, 996 \$4, 102, 542	3,986,066 \$1,085,094	1,534,135 \$268,683
			1
Pounds	14, 735, 188 \$32, 528, 849	19, 458, 214 \$1, 324, 771	21,470,242 \$18,923,644
Cost	\$32, 528, 849	\$1,044,(11	
Morino (conton-inixed)-	26,208	190, 469	33,115
Worsted Pounds. Cost Merino (cotton-mixed)— Pounds Cost	26, 208 \$102, 940	\$50, 849	\$6,623
Cotton		14,764,361	15, 425, 293
Pounds Cost	\$9, 892, 865	\$4, 222, 281	\$4, 212, 147
Silk-			90 590
Pounds	53, 250 \$482, 520	112,345 \$386,029	30, 529 \$126, 330
Cost Spun silk—			
Pounds Cost	81,114 \$589,641	88,871 \$271,478	74,332 \$240,174
	\$089,041	a 2/1,4/0	
Linen— Pounds	210,134	944, 122	1, 195, 599 \$215, 556
Cost	\$83,596	\$183,500	\$215,550
Jute, ramie, and other vegetable			
tiber		4, 789, 631 \$502, 408	6, 314, 491
Pounds Cost	\$654,173	\$502,408	\$468, 588
All other memory		(h)	(1)
Pounds	59,705 \$130,809		$\begin{pmatrix} 1\\ 1 \end{pmatrix}$
Chemicals and dyestuffs, cost	\$11, 171, 643	\$3,931,653	\$3, 466, 569 \$2, 583, 808 \$8, 053, 306
Fuel and ront of power, cost	\$6,490,026 \$20,052,438	\$3, 218, 639 \$8, 944, 094	\$8 053 306

TABLE 21.—WOOL MANUFACTURES: 1919, 1914, AND 1909—Con.

		1919	1914	1909
	PRODUCTS.			
Total val	ue	\$366, 506, 496	\$1 41, 329, 858	\$153, 477, 015
Voven goods:	D	11/ 000 071	(1)	.: (I)
	Pounds Square yards Value	114, 890, 871 217, 362, 219 \$258, 491, 332	(1) 220, 748, 263 \$97, 810, 697	(1) 223, 761, 500 \$107, 064, 598
All-wool-				
	Pounds	69, 022, 613 118, 667, 333	(¹) 114, 830, 218 \$72, 163, 336	(¹) 109, 221, 433 \$78, 873, 571
Wooler		\$189, 234, 850	\$72, 103, 330	\$18,813,01 .
Su	itings Pounds	23,812,158 29,797,951	(1)	1
	Pounds Square yards Value	29,797,951 \$46,661,766	(1) 14, 752, 516 \$9, 854, 035	
Dr		1, 838, 954		(1) 29,366,74
	ess goods- Pounds Square yards ercouting, cloakings, etc Pounds. Square yards Value	1,838,954 3,801,777 \$5,396,603	(1) 7, 027, 640 \$3, 509, 627	\$19,025,84
Ov	ercoating, cloakings, etc.— Pounds	10,070,935		
	Square yards Value	11,280,558 \$19,647,161	(1) 5, 705, 283 \$5, 077, 361]
AA OLSPACE	ed— itings—			
	Pounds Square yards	22,623,950 46,608,565	(1) 58, 385, 795]
Di	Value ess goods	\$79, 391, 770	\$41, 233, 778	
	Pounds. Square yards	8,786,175 24,810,985	1	(1) 78, 424, 77
0	Value	\$34, 226, 483	(1) 28,000,855	\$59,079,58
	Pounds	174,900	\$11, 938, 917	
4 11 - 41	Value	159,000 \$611,154]]
AII UG	ner woolen or worsted- Pounds	1,715,541	(¹) 958, 129	(1) 1,429,91
	Square yards Value	2, 208, 497 \$3, 299, 913	\$549,623	\$768,14
W 001-and	cotton-mixed- Pounds	$10,287,549\\14,112,534$	(¹) 18, 264, 936	(¹) 10, 236, 83
	Square yards Value	\$11, 591, 031	\$6,143,131	\$3, 332, 69
Suitin	Pounds	5, 462, 346 7, 604, 963	h	•
	Square yards Value	7,604,963 \$6,458,555		
Dress	goods— Pounds	332,763	(1)	(1)
	Value	332,763 377,513 \$202,663	11,962,150 \$4,319,854	6, 405, 0 \$2, 538, 1
Overc	OBUILLES, CIORELIJES, GLC.			
	Pounds Square yards Value	1, 165, 528 \$1, 286, 359		
· All ot	aer		(1)	(1)
	Pounds Squaro yards Value	3,261,907 4,964,530 \$3,583,454	6,302,786 \$1,823,277	(¹) 3,831,80 \$794,53
Cotton-wa				
	Square yards Value	35, 580, 709 84, 582, 352 \$57, 665, 451	(¹) 87,653,109 \$19,504,230	(¹) 104, 303, 23 \$24, 858, 3
Woole	n-filling		410,001,100	
DI.	itings— Pounds	5, 916, 574 12, 020, 303 \$10, 169, 764	(1)	h ·
-	Square yards Value	\$10, 169, 764	14, 038, 511 \$3, 007, 447	
U	ress goods— Pounds Square yards	267,983		22, 610, 6
	Volue	5775.972		\$5, 375, 1
. 0	vercoatings, cloakings, etc Pounds	2, 895, 144	(1)	
	Square yards Value	2, 895, 144 3, 335, 240 \$3, 111, 321	(1) 8,779,741 \$2,182,468	
	ted-filling nitings	r		
	Pounds Square yards	5, 954, 903 13, 462, 607	(1) 3,052,369 \$1,135,320	
D	ress goods-	· • • • • • • • • • • • • • • • • • • •		15 00,700,1
	Pounds Square yards	5, 281,001 20, 588,789 \$11, 871, 294	(1) 23, 022, 664 \$4, 093, 123	\$13, 373, 0
Wool	Value en-filling and worsted-fill-	\$11,871,294	\$4,093,123	μ
ing	omett flannels and shirt-			
	ings— Pounds	3,964,009	(1)	(1) 794,7
	Square yards Value	3,964,009 6,720,072 \$3,853,342	(1) 2, 882, 803 \$459, 888	794,7 \$136,6
В	lankets-			
	Pounds Square yards	1,941,970	2,837,009	(¹) 1, 547, 9 \$256, 5
S	Value atinets and linseys—		1	
	Pounds Square yards Value	5,147,628 3,989,170 \$2,904,031	1 0,007,000	(1) 4,120,7 \$606,2
A	ll other	1		
	Pounds	4,935,174	4 (1) 26,181,997 4 \$6,894,754	

terials, cost.....

1 Not reported in 1914 and 1909.

619

TABLE 21.-WOOL MANUFACTURES: 1919, 1914, AND 1909-Con.

620

	1919	1914	1909
Carpets and rugs:			
Pounds	12,952,008	(1)	(1)
Pounds Square yards	6,487,324	(1) 9,479,715	(1) 10, 236, 887
Value	\$13, 128, 841	\$10, 482, 775	\$12, 160, 257
Carpets-			· ·
Pounds	2,429,313	(1)	
Square yards	818,953	5,660,067	7,496,772
Value	\$2,654,924	\$8,999,573	\$10, 358, 191
Rugs Pounds	10, 522, 695	(1)	m
Square yards	5,668,371	3, 819, 648	(¹) 2, 740, 115
Value.	\$10, 473, 917	\$1, 483, 202	\$1, 802, 066
Sewed strips-		4 -, 100, 202	,,,
Pounds	3,023,524	h .	
Square yards	972, 913		
Value.	\$3,056,596		
Woven whole-		} (2)	(2)
Pounds	7, 499, 171		
Square yards Value	4, 695, 458 \$7, 417, 321		
	\$7,417,321)	
Felt goods:			
Cloth, gunwad felts, etc	4,697,482	(1)	(1)
Pounds Square yards	5,475,043	(1) 3, 375, 528 \$842, 782	2,062,534
Value	\$3,046,698	\$842 782	\$480,838
Value Boot and shoe linings—	<i>wu</i> , <i>u</i> 10, <i>u</i> 00	vo 10, 100	\$100,000
Pounds	1,055,312	(1)	(1)
Square yards	1,107,314	2, 149, 909	(¹) 1, 444, 978
Pounds. Square yards. Value.	1, 107, 314 \$1, 047, 225	(1) 2,149,909 \$1,024,256	\$409,915
All other			4-1
Pounds	4,422,184	1,878,963	(8)
Value	\$6, 020, 982	\$1,099,175	\$1, 500, 746
Yarns:			
Woolen Pounds	3, 548, 730	1,936,411	1, 161, 773
Value	\$5, 145, 210	\$062, 383	\$455, 448
Merino-	40, 110, 120	v ,,	v 100, 110
Pounds	1,664,758	1,958,912	1,283,261
Value	\$3,613,801	\$1,511,984	\$1,043,693
Worsted-			
Pounds	20, 477, 164)	
Value Worsted tops and slubbing: Pounds	\$44, 051, 595	29,639,383	26, 591, 701
Worsted tops and slubbing:	7 047 000	\$20, 429, 666	\$22, 438, 097
Value.	7, 245, 830 \$9, 360, 705		
Noils:	øa, 000, 700	יי	
Pounds	10, 149, 864	10,955,313	11,250,153
Value	\$7,202,421	\$3, 133, 490	\$3,655,975
Waste, for sale:			, ,,,,,,,,,
Pounds	13, 504, 681	10,997,975	8, 387, 654
Value	\$2,795,156	10, 997, 975 \$981, 282	\$774,155
1.22 12			
All other products, value Contract work, value	\$5,254,881	\$1,931,438	\$2,044,900
Contract work, value	\$7, 347, 649	\$1, 419, 930	\$1,448,393
		1	

¹ Not reported in 1914 and 1909. ² Not reported separately. ³ Figures not available.

The products reported for this industry were largely woven fabrics to be used in the manufacture of clothing, the value of such fabrics forming 70.5 per cent of the total for this industry in Massachusetts for 1919. The main divisions of woven fabrics show that in the value of products, all-wool goods was of chief importance; cotton-warp goods, second; and wool and cotton-mixed goods, third; forming 73.2 per cent, 22.3 per cent, and 4.5 per cent, respectively, of the total for this group in 1919.

The carpet and rug branch of the wool manufactures industry has had many interruptions, and has undergone many changes since the census of 1914. Of the total value of the products of the carpet and rug industry in the state in 1909 and 1914, carpets formed 85.2 per cent and 85.9 per cent, respectively. In 1919, however, the reverse condition existed, the value of rugs forming 79.8 per cent of the total for the industry. Large quantities of yarn are usually produced for sale, and in 1919 the value of such products represented 14.4 per cent of the total value of products for this industry in the state.

Knit goods (Table 22).-Cotton is the principal raw material used in the manufacture of knit goods in Massachusetts. According to cost, purchased yarns consist chiefly of cotton, worsted, and artificial silk. In addition to the manufacture of a considerable quantity of cotton yarn for consumption within establishments where it is made, a large amount is purchased.

Of the total value of the knit goods industry in the state in 1919, hosiery contributed 39.1 per cent. Underwear, exclusive of tights, was second, forming 36.4 per cent of the total value. In keeping with the general trend of the industry in the United States, the production of separate shirts and drawers has diminished with the increase in the production of union suits.

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

	1919	1914	1909
MATERIALS.			
Total cost	\$31, 172, 563	\$9, 266, 671	\$6,971,606
Cotton: Pounds Cost	16, 421, 615 \$5, 129, 928	13,914,900 \$1,926,119	16, 459, 053 \$1, 912, 046
Domestic- Pounds Cost	16, 290, 530 \$5, 063, 545	13, 598, 664 \$1, 873, 252	16, 034, 818 \$1, 843, 846
Foreign Pounds Cost. Cotton waste purchased:	131, 085 \$66, 383	316, 236 \$52, 867	424, 235 \$68, 200
Cotton waste purchased: Pounds. Cost. Wooj (in condition purchased):	1, 054, 916 \$293, 638	452, 652 \$48, 160	$\begin{pmatrix} 1\\1 \end{pmatrix}$
Pounds. Cost. Recovered wool fiber:	534,068 \$599,618	313, 877 \$154, 499	440, 374 \$195, 577
Pounds. Cost. Wool waste and noils:	791, 529 \$318, 610	226, 555 \$25, 568	269, 443 \$34, 382
Pounds. Cost Yarns, purchased:	648, 790 \$584, 635	442, 225 \$141, 304	271,388 \$107,839
Pounds Cost Cotton—	13, 181, 417 \$18, 973, 385	9, 698, 139 \$4, 894, 894	8, 295, 153 \$3, 359, 779
Pounds Cost Woolen	9,052,074 \$8,031,178	7, 325, 269 \$2, 442, 240	6,963,775 \$1,771,206
Pounds Cost Worsted	374, 808 \$694, 488	123, 022 \$75, 254	113,368 \$87,798
Pounds Cost Merino—	1, 211, 375 \$3, 036, 087	1,357,338 \$1,084,700	619, 140 \$638, 014
Pounds. Cost. Silk and spun silk— Pounds. Cost.	764,842 \$1,525,978	558, 104 \$294, 263	466,747 \$475,769
ATLINUM SHK-	189,907 \$1,593,053	180,060 \$718,503	124, 715 \$369, 777
Pounds Cost. All other	683,411 \$3,182,601	129, 254 \$251, 447	$\begin{pmatrix} 1\\1 \end{pmatrix}$
Pounds Cost. Sewing thread, cotton:	5,000 \$10,000	25,092 \$28,487	7,408 \$17,215
Pounds. Cost. Sewing thread, silk:	158,948 \$257,322	$\begin{pmatrix} 1 \\ 1 \end{pmatrix}$	(l) (L)
Pounds Cost. Buttons, pearl:	3, 392 \$32, 766	(1) (4)	(1) (1)
Gross. Cost. Buttons, other than pearl: Gross. Cross.	479, 523 \$212, 351		
00st	28,673 \$40,823		(1) (1)
Chemicals and dyestuffs, cost. Fuel and rent of power, cost. All other materials, cost.	\$613,025 \$441,78 5 \$3,673,777	\$221,397 \$234,001 \$1,620,549	\$242,632 \$174,846 \$944,500
Yarns made in mill for use therein: Cotten, pounds Woolen, pounds Worsted, pounds Merino, pounds	7,689,061 792,028 19,000 1,409,459	8, 677, 894 424, 474 748, 670	13,467,586254,000128,000600,610

1 Not reported separately.

TABLE 22.-KNIT GOODS: 1919, 1914, AND 1909-Continued.

	1919	1914	1909
PRODUCTS,			
Total value	\$52, 424, 235	\$17,419,077	\$14,736,025
Tosiery:			
Dozen pairs. Value.	5, 890, 020 \$20, 474, 521	4, 528, 469 \$5, 695, 684	4, 506, 960 \$4, 780, 351
Cotton— Dozen pairs Value	1,456,128 \$3,320,380	3,791,779 \$3,540,884	4,280,266 \$3,734,618
Silk and silk-mixed— Dozen pairs. Value	2,649,134 \$10,854,323	513,401 \$1,845,246	63,762 \$765,144
All other			
Dozen pairs. Value.	1, 784, 758 \$6, 299, 818	223, 289 \$309, 554	162,932 \$280,589
Shirts and drawers: Dozens Value	1, 343, 023 \$10, 11 5, 392	1,354,538 \$5,034,294	1,667,482 \$6,080,517
Cotton— Dozens	926, 583 \$5, 610, 905	1, 142, 782 \$3, 408, 500	1, 415, 227 \$4, 257, 591
Value. Merino— Dozens			
Value Silk and silk-mixed—	287,355 \$3,340,349	145,781 \$957,713	182,903 \$1,200,785
Dozens. Value. All other	121,585 \$1,051,638	32, 314 \$303, 731	33,998 \$208,184
Dozens. Value.	7,500 \$112,500	33,661 \$364,350	35,354 \$407,957
Union suits: Dozens. Value.	525,187 \$8,980,931	408, 445 \$3, 279, 212	183,175 \$2,011,791
Cotton— Dozens. Value.	262, 626 \$3, 300, 839	238, 256 \$1, 695, 784	100,024 \$861,787
Merino— Dozens. Valuo.	73,018 \$1,487,359	82,990 \$851,778	74,643 \$968,915
Silk and silk-mixed- Dozens. Value.	189, 543 \$4, 192, 733	21, 972 \$383, 956	8,108 \$173,089
All other— Dozens. Value.		65, 227 \$347, 694	400 \$8,000
Tights: Dozens. Value.	25, 934 \$260, 188		
Bathing suits: Dozens	42,079 \$907,620	6, 328 \$69, 432	
Gloves and mittens:	23,915 \$62,614	24,932 \$46,764	27,829 \$51,156
Dozen pairs. Value. Headwear:	\$62,614	11 A. 11	
Dozens. Value.	3,734 \$17,690		
Dozens	108,719 \$2,992,021	94,857 \$1,394,203	40, 544 • \$718, 562
Headwear: Dozens. Value. Cardigan jackets, sweaters, etc.: Dozens. Value. Cotton yarn, made for sale: Pounds. Value.	2, 333, 620 \$1, 321, 141	3, 328, 625 \$744, 294	1,451,711 \$272,053
All other products, value	\$7, 292, 117	\$1,155,134	\$820, 095

¹ Not reported separately.

A general increase in the volume of production is shown, and the most noticeable change from 1914 to 1919 is the increase in the quantity of "silk and silk mixed," and "other hosiery"—largely wool and merino—with the decrease in cotton hosiery manufactured.

Silk manufactures (Table 23).—There were 21 establishments engaged in the silk-manufacturing industry in Massachusetts in 1919.

Table 23 shows the quantity and cost of the principal materials used and the quantity and value of the different products manufactured during 1919, 1914, and 1909.

Massachusetts ranked fifth, in value of products, in the manufacture of silk textiles in the United States during the year 1919. Raw silk, silk waste, and mercerized cotton yarn were among the most important materials used in 1919 and formed 47.9 per cent, 29 per cent, and 5.7 per cent, respectively, of the total cost of materials. Small quantities of silk yarns were purchased, but the weaving mills did the larger part of their own throwing.

TABLE 23.-SILK MANUFACTURES: 1919, 1914, AND 1909.

4	1919	1914	1909
MATERIALS.			
Total cost	\$19, 243, 483	\$5,961,137	\$5, 429, 851
ilk:			
Raw—	1 100 042	1 101 607	620 205
Pounds Cost	1, 109, 943 \$9, 219, 540	1,121,697 \$4,141,624	920, 308 \$3, 753, 203
Spun-	1	1	
Pounds Cost	33, 035 \$192, 498	37,458 \$104,875	$\begin{pmatrix} 1 \\ 1 \end{pmatrix}$
Artificial— Pounds	· (27,600	(1)
Cost. Organzine, tram, and hard or crepe	64, 183 \$335, 551	27, 600 \$59, 839	
Organzine, tram, and hard or crepe twist—			
	42, 143 \$404, 464	15,998 \$67,697	$\begin{pmatrix} 1\\1 \end{pmatrix}$
Cost. Frisons pierced cocoons poils and	\$404,464	\$67,697	(1)
Pounds. Cost. Frisons, pierced cocoons, noils, and other waste- Pounds.	0 707 000		(1)
Pounds Cost	3,727,260 \$5,582,673	(1) (2)	(1) (2)
Yarns, other than silk:	•••		
Cotton, not mercerized Pounds	752,062	1,046,919 \$530,121	1, 225, 386 \$535, 88
Cost Cotton, mercerízed	752,062 \$749,405	\$530, 121	\$535,88
Pounds	768,018 \$1,091,554	221, 929 \$181, 501	158,39 \$113,25
Cost	\$1,091,554	\$181,501	\$113,25
Pounds	170,630	12,803	
Cost	\$305,784	\$10,333	(?)
Fuel and rent of power, cost	\$242,762 \$1,119,252	\$108,593	\$82,86 \$944,64
All other materials, cost	\$1,119,252	\$756, 554	\$991,04
PRODUCTS.		}	· · ·
Total value	\$34, 193, 951	\$10,676,681	\$8,942,24
Broad silks:		0.010.001	0.400 =0
Yards Value.	9,545,084 \$17,672,808	8,618,424 \$6,954,245	9,668,78 \$5,898,23
Ali silk— Yards Value.	1	ł	
Yards. Value	5,699,475 \$10,763,763	3,135,430 \$2,905,738	
Yarn-dyed—			
Yards Value	4, 872, 983 \$9, 309, 006		
All other			
Yards Value	826, 492 \$1, 454, 757		
Mixed goods Yards	(1	a
Value	3,845,589 \$6,909,045 \$1,138,964	5, 482, 994 \$4, 048, 507 \$196, 375	
Value. Fringes, braids, and trimmings, value	\$1, 138, 964	\$196, 375	(1)
Organzine, tram, and hard or crepe twist: Pounds		79,871	14, 59 \$64, 70
Value	83,630 \$830,277	\$375,021	\$64,70
Spun silk: Pounds	1,402,669	(1) (2)	(3).
	\$8,030,122	(3)	(2)
Value. Machine twist, sowing and embroidery silks, fringe and floss silks: Pounda		14	
r uuuus	232, 443 \$3, 328, 594	281,429 \$2,015,964	356,26 \$2,107,31
Value	((· · · ·	
All other products, value. Amount received for contract work	\$2,431,223 \$161,963	\$1,019,793 \$115,283	\$764,93 \$107,03

Figures not available.
 Figures can not be shown separately without disclosing individual operations.

Broad-silk fabrics was the principal product of the industry reported for the last three census periods and formed over one-half of the total value of products at each census. It will be noted that these fabrics were chiefly all silk in 1919 and that silk-mixed goods predominated in 1914. In 1919 a large share of broad silks composed of all silk was yarn dyed. Next to broad silks in 1919, spun-silk yarn was the most important product of the industry, and the combined values of these two types of products formed 76.9 per cent of the total. No pronounced variation in the industry has taken place during the last 10 years, except that from 1914 to 1919 broad silks made of all silk increased 81.8 per cent in quantity, while broad-silk mixtures decreased 29.9 per cent and, in common with all industries, inflated values prevailed in 1919.

Machinery used in textile mills (Table 24).—The different kinds of machines, which have been accepted by textile manufacturers as best indicating the trend of their industry, are shown in detail in Table 24, for several branches of textiles in Massachusetts for 1919, 1914, and 1909.

A considerable portion of the textile machinery of the United States is located in mills in Massachusetts. At the census of 1919 this state contributed to the total about one-third each of the producing cotton spindles, the producing spindles in wool manufactures, looms in cotton mills, looms in wool manufactures, sets of woolen cards, and wool-combing machines. In these types of machines and spindles Massachusetts is surpassed in number by no other state in the Union.

The number of spindles and looms shown within each industry are without consideration for the kind of fiber upon which they were operating. The total number of producing spindles used in the state in 1919 shows an increase of 6.1 per cent over those used in 1914; the knitting machines, an increase of 2.1 per cent; the sets of woolen cards an increase of 16.1 per cent; the number of looms a decrease of 1.1 per cent; and the number of wool-combing machines a decrease of 6.1 per cent.

TABLE	24MACHINERY	Used in Textile	MILLS:	1919,	1914,	AND
		1909.			•	

	Cen- sus year.	Total.	INDUSTRY.				
KR?D.			Car- pots and rugs, other than rag.	Cotton goods, including cotton small wares.	Knit goods.	Silk goods, includ- ing throw- sters.	Woolen, worsted, and felt goods.
Producing spindles	1919 1914 1909	13,043,175 12,288,683 10,815,478	52, 436 58, 07 ' 53, 244		176,266 158,952 163,248	172,484 122,156 99,699	1, 424, 502 1, 383, 700 1, 121, 303
Looms	1919 1914 1909	¹ 258, 439 261, 219 263, 929	1,089 1,474 1,778	226, 224 228, 857 234, 249		¹ 3,403 3,279 2,717	27,723 27,609 25,185
Knitting machines	1919 1914 1909	² 10, 424 10, 209 7, 741			² 10,424 10,209 7,741		· · · · · · · · · · · · · · · · · · ·
Woolen cards (sets). ³	1919 1914 1909	1,703 1,467 1,519	33 53 80		49 28 36		$1,621 \\ 1,386 \\ 1,403$
Wool-combing ma- chines.	1919 1914 1909	862 918 703	13 33 46				849 885 657

¹ Includes 185 idle looms. ³ In ² Includes 869 idle knitting machines.

The cotton industry in Massachusetts reported 86 per cent of the total number of active producing spindles for the state in 1919, and the woolen, worsted, and felt goods industries, 10.9 per cent. All of the industries show increases in active spindles for the five-year period with the exception of the carpet and rug industry, which shows a decrease of 9.7 per cent.

Leather, tanned, curried, and finished (Tables 25 and 26).—Table 25 shows the quantity and cost of the principal materials used and the quantity and value of the chief products of the leather industry for 1919, 1914, and 1909.

TABLE 25.—LEATHER, TANNED, CURRIED, AND FINISHED: 1919, 1914, AND 1909.

	1919	1914	1909 -
MATERIALS.			
Total cost	\$82,017,255	\$33, 194, 061	\$28, 765, 508
Cattle hides: Number Cost Skins:	1, 634, 538 \$18, 958, 933	764,636 \$5,205,907	1, 251, 036 \$6, 603, 898
Calf and kip— Number Cost. Goat and kid—	4, 112, 790 \$22, 021, 470	5,630,003 \$11,039,546	5, 439, 236 \$7, 910, 409
Number. Cost.	5, 739, 256 \$10, 260, 356	5, 137, 413 \$3, 343, 748	6,299,952 \$3,935,024
Number Cost	9,006,655 \$9,237,327	16, 912, 063 \$7, 297, 749	8, 730, 684 \$3, 277, 748
All other raw stock, cost Purchased rough leather used, cost Fuel and rent of power, cost. All other materials, cost.	54.218.862	\$428,889 \$852,156 \$615,959 \$4,410,107	\$129,705 \$2,018,080 \$607,523 \$4,283,121
PRODUCTS.			
Total value	\$129, 594, 962	\$45, 265, 434	\$40,002,079
Leather, value. Cattle side upper (other than patent)—	\$97,654,939	\$37,614,588	\$33, 733, 320
Sides. Value. Calf and kip skins- Number.	1,637,765 \$11,936,255	989, 809 \$2, 810, 363	1, 509, 748 \$4, 174, 700
Goat and kid skins-		5, 549, 031 \$13, 276, 767	5,457,771 \$10,967,162
Number Value. Sheep and lamb skins—	5,948,958 \$16,127,854	4, 483, 286 \$4, 257, 801	5,837,401 \$4,852,505
Number Value. All other leather, value.	\$12,380,863	16,032,940 \$9,617,000 \$7,652,657	8, 162, 771 \$4, 254, 219 \$9, 484, 740
All other products, value Work on materials for others, value	\$10,607,012 \$21,333,011	\$2,068,790 \$5,582,056	\$1, 499, 596 \$4, 769, 157

The number of cattle hides treated in 1919, as compared with 1914, shows an increase of 869,902, or 113.8 per cent. The total number of skins treated, however, shows a decrease during this period of 8,820,778, or 31.9 per cent. The falling off was mainly in sheep and lamb skins, which decreased 7,905,408, or 46.7 per cent; there was also a decrease of 1,517,213, or 26.9 per cent, in the number of calf and kip skins. The number of goat and kid skins treated increased by 601,843, or 11.7 per cent. The total cost of hides and skins used in 1919 shows an increase of \$33,591,136, or 124.9 per cent over the cost for 1914, notwithstanding a decrease in the total number. Considering all kinds of hides and skins on a unit cost basis, the increase was from 95 cents in 1914 to \$2.95 in 1919.

The value of products for the industry in the state in 1919 formed 14 per cent of its total for the United States, a larger proportion than for any prior census. From 1914 to 1919 the total value of products increased \$84,329,528, or 186.3 per cent. While each of the four classes of leather shows decided increases in value during this period, the largest actual increase was in calf and kip skins, \$15,477,034, or 116.6 per cent; but the largest per cent of increase was for goat and kid skins, \$11,870,053, or 278.8 per cent. Most of the skins reported were used in the manufacture of upper leather, although fancy, bookbinders, glove, roller leather, etc., were manufactured to some extent. "All other leather" in Table 25 includes belting, patent, sole, case, bag and strap, finished splits, cabretta skins, etc.

The amount received for work on materials for others, which was 17 per cent greater in 1914 than 1909, was 282.2 per cent greater in 1919 than in 1914. This large increase was due not only to the higher charges for custom work, but also to a larger volume of business done. Of 239 establishments doing custom tanning in the United States, 82 were located in Massachusetts.

Table 26 gives for 1919 the quantity and value for some of the principal finished products of the leather industry. In the preceding Table these products are shown by kinds of skins.

TABLE 26.-QUANTITY AND VALUE OF FINISHED LEATHER: 1919.

KIND.	Quantity.	Value.
Upper leather Calf and kip	6, 439, 808 2, 139, 213	\$55, 031, 046 27, 232, 575 15, 302, 538 10, 588, 488 2, 718, 045
Patent leathor	1, 315, 293	11, 320, 708 11, 305, 132 15, 576
Fancy leather	773, 991	3, 782, 012 1, 711, 560 2, 070, 452
Finished splits.		2, 903, 585
Case, bag, strap, roller, glove, bookbinders', and lace leather		3, 537, 819

Boots and shoes (Tables 27 and 28).—Table 27 shows, by classes, the number of pairs of footwear manufactured in the state for 1919, 1914, and 1909, and Table 28 shows for 1919 and 1914 this footwear by method of manufacture.

Massachusetts continues to rank first among the states in the manufacture of footwear. The state's proportion of the total quantity produced for the industry in the United States, however, was 35.3 per cent in 1919, as compared with 39.4 per cent in 1914, and 41.4 per cent in 1909. This proportionate decrease was due to large gains made by some of the other states, since there was an actual increase in Massachusetts of 1,768,529 pairs, or 1.5 per cent, for the period 1914–1919. In contrast to this slight gain in quantity, the aggregate value increased by \$241,936,-378, or 120.6 per cent, for the same period. The number of women's shoes increased by 12,955,602 pairs, or 40.1 per cent. All other classes, including slippers, show decreases. "All other footwear" includes moccasins, sandals, athletic, sporting, and canvas shoes, and footwear not strictly boots and shoes. Work done for others consists of the making of buttonholes in uppers, stitching, crimping, and general contract work.

TABLE 27.-BOOTS AND SHOES, BY CLASSES: 1919, 1914, AND 1909.

CLASS.	1919	1914	1909
Aggregate value	\$442, 466, 236	\$200, 529, 858	\$187,045, 76
Boots and shoes: Total number of pairs Total value	102, 389, 856 \$415, 360, 600	98, 009, 176 \$180, 763, 458	102, 826, 64
Mén's Number of pairs Value Boys' and youths'	39, 610, 259 \$199, 317, 054	44, 750, 716 \$101, 334, 686	45, 155, 93
Number of pairs Value Women's—	5, 517, 399 \$14, 504, 673	8, 318, 252 \$11, 211, 988	9, 019, 12
Number of pairs Value Misses' and children's	45, 251, 383 \$177, 425, 587	32, 295, 781 \$54, 955, 189	36, 778, 43
Number of pairs	12,010,815 \$24,113,286	12, 6 44, 427 \$13, 261, 595	11, 873, 15
Slippers: Total number of pairs Total value	5,620,573 \$11,584,870	11, 799, 532 \$13, 795, 841	10, 155, 35
Men's, boys', and youths'— Number of pairs Value. Women's, misses', and chil- dren's.	2, 364, 668 \$3, 853, 277	3, 061, 796 \$2, 935, 434	3, 369, 80
Number of pairs	3, 255, 905 \$7, 731, 593	8,737,730 \$10,860,407	6, 785, 5
Infants' shoes and slippers: Number of pairs	2, 559, 373 \$2, 390, 405	3, 109, 511 \$1, 685, 771	3, 610, 5
All other footwear: Number of pairs Value	6, 423, 110 \$9, 034, 027	2, 306, 164 \$1, 063, 201	1, 411, 3
All other products, value	\$3, 217, 950	\$2, 502, 197	
others.	\$878, 384	\$719, 390	

¹ Only total value reported in 1909.

TABLE 28.—BOOTS AND SHOES—NUMBER OF PAIRS, BY METHOD OF MANUFACTURE: 1919 AND 1914.

CLA93.	Cen- sus year.	Total.	Welted.	МсКау.	Turned.	Wood or metal fastened.
Boots and shoes	1919 1914	102,389,856 98,009,176	51, 641, 435 47, 023, 877	29, 430, 328 32, 597, 338	¹ 16,933,760 10,547,357	4, 384, 33 3 7, 840, 604
Men's	$1919 \\ 1914$	39, 610, 259 44, 750, 716	34, 511, 423 33, 052, 320	2, 154, 131 5, 588, 227	26,832 461,750	2,917,873 5,648,419
Boys' and youths'	$1919 \\ 1914$	5, 517, 399 8, 318, 252	1,312,192 1,672,616	3,044,342 5,377,545	26, 525	1, 134, 340 1, 268, 091
Women's	1919 1914	45, 251, 383 32, 295, 781	13,963,994 9,667,796	18, 531, 329 13, 322, 750	12, 535, 279 8, 779, 641	220, 781 525, 594
Misses' and chil- dren's.	$1919 \\ 1914$	12, 010, 815 12, 644, 427	1,853,826 2,631,145	5,700,526 8,308,816	14, 345, 124 1, 305, 966	111, 339 398, 500
Slippers	$1919 \\ 1914$	5, 620, 573 11, 799, 532	380, 724 509, 269	2,706,174 4,189,516	2, 533, 675 6, 824, 978	275, 769
Men's, boys', and youths'.	$1919 \\ 1914$	2, 364, 668 3, 061, 796		1,122,993 1,313,678	² 1, 241, 675 1, 472, 349	\$ 275, 769
Women's, misses', and children's.	1919 1914	3, 255, 905 8, 737, 736	509, 269	⁸ 1,891,905 2,875,838	1,364,000 5,352,629	
Infants' shoes and slippers.	1919 1914	2, 559, 373 3, 109, 511	150, 126 477, 811	253,811 661,750	¹ 2, 155, 436 1, 969, 950	
All other footwear	1919 1914	6, 423, 110 2, 306, 164	80, 483	¹ 3,014,927 ² 563,864	3, 327, 700 1, 742, 300	

Includes "stitchdown" to avoid disclosure of individual operations.
 Includes "welted" and "stitchdown."
 Includes "welted."

Of the boots and shoes manufactured in Massachusetts, 50.4 per cent were of the welted type, 28.7 per cent McKay, and 20.8 per cent other types. The corresponding percentages in 1914 were 48, 33.3, and 18.8. The gain shown in number of pairs of welted shoes produced exceeded the total increase of all other types combined. The manufacture of the McKay, always a prominent type in the state, has steadily declined since 1909. In 1909, although not shown in this table, the McKay make formed 37.9 per cent of the total; while in 1919 the percentage was but 28.7 per cent. In 1919, 66.8 per cent of the welted type were men's and 27 per cent were women's. On the other hand, 63 per cent of the McKay were women's and only 7.3 per cent men's. The greater portion of men's boots and shoes, 87.1 per cent, were made by the welted method; while women's shoes were 41 per cent McKay, 30.9 per cent welted, and 27.7 per cent turned. Although boys' and youths' and misses' and children's shoes were principally of the McKay type, a considerable proportion of the misses' and children's were of the turned type.

Slaughtering and meat packing (Table 29).—This table presents for the census years 1919, 1914, and 1909, data for both materials and products in detail.

The cost of "All other materials" includes that for dressed meat purchased for curing, cottonseed oil, refrigeration, curing materials, seasoning, fuel, rent of power, containers, mill supplies, and freight; the value of "All other products" includes that for beef, pickled and other cured, canned pork, meat puddings, lard compounds, oleo and other oils, oleo stearin, hog and cattle hair, wool, wooden boxes, cooperage, and skins.

The growth of the industry, when measured by cost of materials and value of products, shows large increases from 1914 to 1919. That for total cost of materials was \$55,807,001, or 122.8 per cent; for cost of animals slaughtered, \$42,875,025, or 123.5 per cent; and for "All other materials," \$12,931,976, or 120.6 per cent. The growth as indicated by the increase in the total number of animals slaughtered, however, was very slight, this increase being only 113,896, or 6.2 per cent, during the five-year period. In fact, the number of beeves and sheep and lambs combined decreased 173,985, or 38.6 per cent, the increase being in calves and hogs, which was 287,881, or 20.9 per cent.

In 1919, compared with 1914, the total value of products for the industry in the state shows an increase of \$58,513,518, or 113.1 per cent. The total value for all fresh meats increased \$8,777,745, or 46.9 per cent, but the combined quantity of the several kinds of fresh meats decreased 27,312,379 pounds, or 18.5 per cent. During this five-year period the largest single product, pork, pickled and other cured, increased 17,283,120 pounds in quantity, or 14.4 per cent, and \$24,542,929, or 148.4 per cent, in value.

TABLE 29.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909.

19	909.		,
	1919	1914	1909
MATERIALS.			
Total cost	\$101,235,340	\$45, 428, 339	\$37, 484, 136
Animals slaughtered, cost	\$77, 581, 477	\$34,706,452	\$31,009,461
Beeves Number Cost	59,319 \$6,501,738	79,615 \$4,630,253	62,900 \$3,376,319
Calves	244, 394 \$3, 060, 196	115,724 \$1,135,673	129,162 \$854,275
Sheep and lambs— Number. Cost	217, 146 \$2, 509, 439	370, 835 \$2, 085, 790	342,491 \$1,730,127
Hogs— Number Cost	1,422,449 \$65,510,104	1,263,238 \$26,854,736	1,501,456 \$25,048,740
All other materials, cost	\$23, 653, 863	\$10,721,887	\$6, 474, 675
PRODUCTS.			
Total value	\$110,238,038	\$51,724,520	\$42, 531, 499
Fresh meat, value	\$27, 480, 598	\$18,702,853	\$13, 242, 103
Beef- Pounds Value Vaal-	30, 250, 063 \$5, 929, 396	39, 464, 297 \$4, 282, 617	34, 589, 397 \$2, 865, 011
Pounds Value Mutton and lamb—	13,677,154 \$1,990,759	7,966,636 \$1,042,344	8,317,482 \$801,055
Pounds Value Pork—	8,091,291 \$1,988,818	14,715,201 \$1,883,045	13,346,470 \$1,538,054
Pounds	63, 194, 630 \$17, 091, 609	80,977,605 \$11,185,062	66, 468, 331 \$7, 956, 169
Pounds Value	5, 435, 828 \$480, 016	4,837,606 \$309,785	1,290,842 \$81,814
Pork, pickled and other cured: Pounds Value. Sausage:	137, 117, 461 \$41, 084, 061	119,834,341 \$16,541,132	122, 689, 181 \$15, 044, 381
Pounds Value Lard:	24, 481, 233 \$6, 212, 114	27, 854, 557 \$4, 289, 953	23,074,968 \$2,357,348
Pounds Value Tallow and oleo stock:	72, 191, 184 \$23, 374, 020	66, 840, 628 \$7, 226, 817	60, 840, 711 \$7, 159, 116
Pounds Value Grease and soan stock:	2,019,696 \$332,270	¹ 1, 276, 789 1 \$ 69, 109	2,775,149 \$172,280
Pounds Value	5,350,698 \$663,263	582,487 \$31,372	(2) (2)
Sausage casings: Pounds Value Fert/lizer materials:	4, 114, 325 \$472, 026	559,808 \$173,453	(2) (2)
Tons Value. Eides and pelts: Oattle—	10,244 \$577,806	2, 380 \$78, 423	8,441 \$229,019
Calf Number Pounds Value Calf Number	59,310 3,452,135 \$1,086,101	79,615 4,487,017 \$719,109	191, 837 4, 672, 435 \$686, 312
Pounds. Value. Sheep	243, 924 1, 718, 156 \$ 1, 391, 074	107, 324 970, 055 \$210, 394	\$080,312
Number Value	217,146 \$650,633	370, 835 \$135, 327	341,956 \$190,214
All other products, value	\$6,914,072	\$3, 540, 518	\$3,450,726

¹ No oleo stock reported in 1914.

^a Not reported separately.

Electrical machinery, apparatus, and supplies (Table 30).—This table presents details for the products of the industry in the state for 1919. Comparative statistics of this character are not available for prior censuses, but the total value of products for the industry in Massachusetts in 1919, as compared with that for 1914, shows an increase of \$48,069,444, or 109.6 per cent.

TABLE 30.-ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: 1919.

	Value.
	¹ \$91, 938, 738 43, 869, 294
Motors. Insulated wire Incandescont lamps. Generating apparatus and parts. Apparatus and dovices, industrial and household.	$\begin{array}{r} 16,651,886\\ 5,143,957\\ 4,699,504\\ 8,892,315\\ 3,761,723 \end{array}$
Telegraph apparatus. Sockets, receptacles, bases, and attachment plugs. Electric clocks and time mechanisms. Telephone apparatus.	2, 823, 539 949, 215 447, 319
Switchboards, panel boards, and cut-out cabinets for light and power Bells, buzzers, and signal gongs. Batteries. Searchlights, projectors, and focusing lamps.	375, 699 351, 108 350, 123 190, 721
Railway switches, signals, and attachments. All other electrical machinery, apparatus, and supplies ² All other products. Amount received for custom work and repairing.	2.014.204

¹ In addition, electrical machinery, apparatus, and supplies to the value of \$108,778 were reported in 1919 by establishments engaged primarily in other industries. ³ Includes articles that can not be shown separately without disclosing individual operations, such as transformers, magneto-ignition apparatus, electric measuring instruments, carbons, are humps, rectifying apparatus, insulators, wiring supplies, annunciators, X-ray tubes, etc.

Paper and wood pulp (Table 31) .- This industry in Massachusetts consists almost entirely in the manufacture of paper, only one establishment producing wood pulp for sale and three manufacturing it for their own use. This table gives the quantity and cost of materials used, the quantity and value of the principal products, and detailed information regarding equipment, for 1919, 1914, and 1909.

TABLE 31.-PAPER AND WOOD PULP: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			-
Total cost	\$53,703,884	\$26, 610, 748	\$22, 349, 613
Pulp wood: Cords Cost Wood pulp, purchased, total:	51,981 \$1,004,840	45, 242 \$332, 908	(1) \$357,888
Tons Cost	202, 528 \$19, 465, 999	181,267 \$8,702,013	143,905 \$6,762,838
Ground— Tons Cost	10,845 \$445,184	11, 343 \$ 328, 930	12, 191 \$277, 421
Soda fiber— Tons Cost	58, 275 \$4, 608, 031	44, 102 \$1, 079, 288	38,434 \$1,731,450
Sulphite fiber— Tons Cost. Sulphate fiber— ²	107,247 \$11,998,777	113,036 \$5,823,339	91, 103 \$4, 654, 074
Sulphate fiber	25, 949 \$2, 399, 356	12,786 \$570,456	2,177 \$99,887
Screenings, mochanical and chemical— Tons. Cost. Rags, including cotton and flax waste and	210 \$14,651		(1) (1)
sweepings: Tons, Cost. Paper stock, including high-grade shavings and old and waste paper:	69,465 \$9,490,326	79, 307 \$5, 181, 974	93, 558 \$4, 859, 930
Cost. Manila stock, including jute bagging, rope	157,095 \$4,846,672	137,716 \$2,375,667	106,216 \$1,861,709
wasto, threads, etc.: Tons. Cost. China clay, domestic and foreign:	22,639 \$1,502,917	15,424 \$672,480	17,515 \$660,065
China clay, domestic and foreigu: Yons. Cost. Bleaching powder:	35, 181 \$714, 655	$\begin{pmatrix} 3 \\ 3 \end{pmatrix}$	(³)
Bleaching powder: Tons Cost	7,669 \$326,630	(3) (2)	(⁸)
Fuel and rent of power, cost All other materials, cost	\$4,916,773	\$2,721,645 \$6,624,061	\$2,331,897 \$5,515,280

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TABLE 31.-PAPER AND WOOD PULP: 1919, 1914, AND 1909-Continued.

1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			
	1919	1914	1909
PRODUCTS.			
Total value	\$87, 159, 890	\$43, 352, 545	\$40,096,713
Book, plate, and coated paper: Tons	115,649 \$10,767,394	143, 897 \$12, 169, 771 6, 475 \$1,019, 445 \$6, 876 \$17, 879, 504 13, 848 \$1,085,619 59,157 \$2,196,086 \$8,401,520	121,371 \$10,011,719 \$459,275 \$9,595 \$17,438,508 16,362 \$1,900,385 53,223 \$2,065,865 \$3,190,901
EQUIPMENT.			
Paper machines: Fourdrinier	40 582 19 10 40,460	160 1,118 43 550 17 10 33,556 497,520	150 920 65 454 17 11 24,401 410,536

Not reported.

Not reported.
Reported in 1909 as "Other chemical fiber."
Not reported separately.
Reported as "Writing and other fine paper" in 1914 and 1909.

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

Fine paper, including writing paper, was the principal product of the industry in the state at each census, forming 39.9 per cent of the total value of all products in 1919. Book paper was the next in importance in this respect, representing 24.4 per cent at that census. In 1919 Massachusetts produced 28 per cent of the total quantity of fine paper manufactured in the United States. In 1914 the corresponding proportion was 35.1 per cent, and in 1909, 45.2 per cent. To avoid disclosing the data of individual establishments, it was necessary to include the value of tissue paper, tag stock, poster, novel, blotting paper, newspaper, hanging paper, etc., and wood pulp produced for sale in "All other products."

Textile machinery and parts (Table 32) .-- Separate statistics for the manufacture of textile machinery have not been shown at prior censuses, but were included in the general classification "Foundry and machine-shop products." Massachusetts led in 1919 in the manufacture of textile machinery, reporting 53.7 per cent of the total value of products for the United States. The details presented in Table 32 give only such items as can be shown without the possibility of disclosing the operations of individual establishments.

TABLE 32.-TEXTILE MACHINERY AND PARTS: 1919.

PRODUCT.	Value.
Total	\$65,901,370
Machinery for working raw stock, and subsequent machinery used in toxtile mills in proparing yarn for weaving, knitting, etc. Carding inachines Spinning and throwing machines. Twisting or doubling frames. Roving machines and slubbing frames. Winders and warp spooling machines Picker machines. All other preliminary machinery.	7, 176, 675 6, 465, 628 1, 618, 300 1, 579, 929 1, 240, 440 976, 366
Fabric machinery	17,081,912 2,158,989
Extra parts, attachments and accessories for textile machinery Parts and attachments for machines working raw stock to yarn. Parts and attachments for fabric machines Parts and attachments for converting and finishing muchines.	10,854,212 3,561,260
Other textile machinery, including repairs Other machinery not pertaining to textiles All other products	824, 176

Printing and publishing (Tables 33 and 34).-Table 33 shows the number and aggregate circulation per issue of all the newspapers and periodicals published in Massachusetts as reported at the censuses of 1919, 1914, and 1909.

TABLE 33.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.		MBER		AGGREGATE CIRCULATION PER ISSUE.					
	1919	1914	1909	1919	1914	1909			
Total	570	632	537	9,026,485	10, 072, 651	9,636,182			
Daily Sunday. Semiweekly 1. Weekly Monthly 2. Ouerterly	84 17 7 284 129 44	$93 \\ 21 \\ 10 \\ 322 \\ 130 \\ 44$	86 15 8 271 112 31	2,085,287 1,444,846 15,058 1,493,362 2,918,846 1,056,934	2,060,343 1,271,453 26,550 2,552,409 2,780,289 1,361,467	$1,765,690 \\ 1,122,049 \\ 23,225 \\ 1,911,486 \\ 3,305,165 \\ 1,401,844$			
Quarterly	44 5	$^{44}_{12}$	$ 31 \\ 14 $	1,056,934 12,152	1, 361, 467 20, 050	1,401, 106,			

¹ Includes 2 triweekly publications in 1919, and 3 in 1914 and 1909. ² Includes 10 semimonthly publications in 1919, 12 in 1914; and 5, in 1909. ⁵ Includes 4 bimonthly and 1 four-times-a-week publications in 1919; 9 bimonthly publications, 2 semiannuals, and 1 semiquarterly in 1914; and 7 bimonthly and 7 "All other" publications in 1909.

The decrease in total circulation is due to the removal to New York City of one weekly of large circulation and to the reduction in reported circulation of several quarterly publications of religious and charitable type.

The circulation of daily newspapers increased 24,944, or 1.2 per cent, during the five years from 1914 to 1919 and 319,597, or 18.1 per cent, during the decade. The low rate of increase for the five-year period is due to the consolidation of certain leading dailies and to the extinction of others.

Of the daily circulation as reported for 1919. 1,231,070, or 59 per cent, is shown for the 66 afternoon newspapers. The Sunday circulation shows an increase of 173,393, or 13.6 per cent, from 1914 to 1919; and of 322,797, or 28.8 per cent, during the decade.

Table 34 shows the number and, so far as possible without disclosure of individual establishments, the

circulation of foreign-language newspapers and periodicals, compared with those in English, by period of issue, for the censuses of 1919, 1914, and 1909.

TABLE 34 .- PRINTING AND PUBLISHING, BY LANGUAGES: 1919. 1914, AND 1909.

		r	OTAL.	INI	ENGLISH,	IN FOREIGN LANGUAGES.		
PERIOD OF ISSUE.	Cen- sus year.	Num- ber.	Aggregate circulation per issue.	Num- ber.	Aggregate circulation per issue.	Num- ber.	Aggre- gate circu- lation per issue.	
Total	1919	570	9,026,485	509	8,669,617	61	356, 868	
	1914	632	10,072,651	575	9,467,839	57	604, 812	
	1909	537	9,636,182	490	9,261,144	47	375, 038	
Daily and Sunday	1919	101	3,530,133	87	3, 445, 147	14	84,986	
	1914	114	3,331,796	107	3, 299, 249	7	32,547	
	1909	101	2,887,739	96	2, 871, 539	5	16,200	
Weekly ¹	1919	292	1, 510, 847	263	1, 397, 915	29	112,932	
	1914	332	2, 579, 049	202	2, 431, 807	40	147,242	
	1909	279	1, 934, 711	245	1, 827, 105	34	107,600	
Monthly	1919	119	2, 886, 640	108	2, 840, 225	13	46, 415	
	1914	118	2, 153, 439	112	2, 122, 266	6	31, 173	
	1909	101	2, 744, 183	101	2, 744, 183	(2)	(²)	
All other cla ses ³	1919 1914 1909	58 68 56	1,098,865 2,008,367 2,069,549	$53 \\ 64 \\ 48$	986, 330 1, 614, 517 1, 818, 317	$\frac{5}{4}$	112,535 393,850 251,232	

¹ Includes in 1919, 2 triweeklies and 4 semiweeklies in English, and 1 triweeklies in English, and 2 triweeklies in English, and 4 semiweekly in foreign languages; in 1914, 3 semiweeklies and 2 triweeklies in English, and 4 semiweeklies and 1 triweekly in foreign languages; in 1909, 1 semiweeklies and 2 triweeklies in English, and 4 semiweeklies and 1 triweekly in foreign for a set in the se

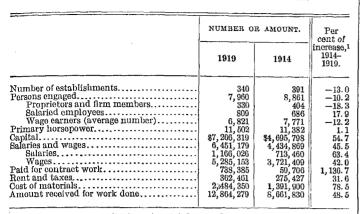
weekly and 2 triweeklies in English, and 4 somiweeklies and 1 triweekly in loreign languages. ³ Included in "all other classes" to avoid disclosure of individual operations. ³ Includes in 1019, 9 semimonthly and 4 bimonthly publications, and 40 quarter-lies in English, and 1 semimonthly publication and 4 quarterlies in foreign lan-guages; in 1014, 10 semimonthly and 9 bimonthly publications, 42 quarterlies, and 3 "all other" in English, and 2 semimonthly publications and 2 quarterlies in foreign languages; and in 1909, 5 semimonthly and 7 bimonthly publications, 30 quarterlies, and 6 "all other" in English, and 6 monthly publications, 1 quar-terly, and 1 "all other" in foreign languages.

The decrease in the total circulation of foreignlanguage publications since 1914 was 247,944, or 41 per cent.

It is of interest to note that the French publications show the largest increase in circulation-75,973which was due to the issuance of a quarterly religious and charitable publication formerly printed in English-and-French. German publications decreased by four, but the circulation as reported increased slightly. The other leading foreign-language publications were those in Portuguese, Lithuanian, Polish, Italian, and Finnish. Albanian, Dutch, Spanish, and Syrian were newcomers in census returns for Massachusetts, while Esperanto and Yiddish publications disappeared during the five-year period from 1914 to 1919.

The daily foreign-language newspapers were in Albanian, Armenian, Finnish, French, Italian, Polish, and Portuguese.

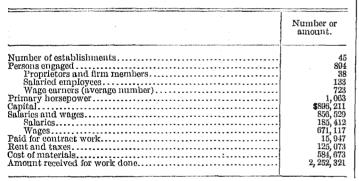
Laundries (Table 35).-Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 35, however, summarizes the statistics for such laundries in the state for 1919 and 1914.



¹A minus sign (-) denotes decrease.

Dyeing and cleaning (Table 36).—Statistics for dveing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 36 .- DYEING AND CLEANING: 1919.



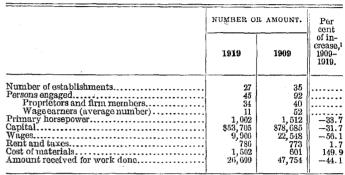
itants for which comparable figures are available,

similar data for all industries combined.

Table 39 gives, for 1919, 1914, and 1909 for selected industries in the state and in 12 cities having 50,000 inhabitants or more the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products, while for Haverhill and for cities of 10,000 to 50,000 inhab-

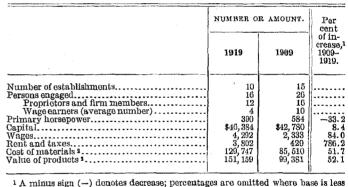
Custom sawmills and gristmills (Tables 37 and 38).---Statistics for custom sawmills and custom gristmills are not included in the general tables nor in the totals for manufacturing industries. Data for custom mills were not collected in 1914. Tables 37 and 38, however, summarize the statistics for such mills for 1919 and 1909. The value of products for custom sawmills represents the amount charged for the work performed and that for custom gristmills the selling value of the grain milled.

TABLE 37.-CUSTOM SAWMILLS: 1919 AND 1909.



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

TABLE 38.-CUSTOM GRISTMILLS: 1919 AND 1909.



than 100. ² Includes estimate of all grain ground.

GENERAL TABLES.

Table 40 presents, for 1919, for the state as a whole and for the 13 cities having 50,000 inhabitants or more, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments; and for cities of 10,000 to 50,000 inhabitants, similar data for all industries combined.

TABLE 39.-COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY,	Cen-	Num- ber of estab-	ers	Pri- mary	Wages	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY.	Cen-	Num- ber ol		Pri- mary	Wages	Cost of mate- rials.	Valueo prod- ucts.
	year.	lish- ments	age	horse- power.	Expre	essed in t of dolla	housands rs.		year.	lish- ments	ago	horse- power,	Expre	ssed in tl of dollar	housand 's,
		TI	ie sta	TE-AI	LL INI	OUSTRI	ES COM	BINED AND SELECTED I	NDUS	TRIE	8.				
All industries		11,906 12,013 11,684	713,830 606,699 584,559	1,729,878 1,396,722 1,175,071	3766,623 341,310 301,173	2,260,713 931,384 830,765	4,011,182 1,641,373 1,490,529	Copper, tin, and sheet-iron products. ²	1919 1914 1909	172 159 150	3,124 2,688 2,627	3,263 2,791 1,808	3,656 1,663 1,481	6, 875 3, 510 2, 933	15,530 7,347 6,185
Automobiles, including bod- ies and parts.	1919 1914 1909	96 66 62	4,530 3,439 4,138	4,441 4,298 2,896	5,829 3,016 2,793	16, 282 5, 642 5, 491	27,032 11,199 11,359	Corsets	$1919 \\ 1914 \\ 1909$	11 11 10	1, 555 2, 298 1, 989	835 690 455	1,093 906 735	$3,367 \\ 1,902 \\ 1,607$	0,764 4,581 3,752
Solting, leather	1919 1914 1909	20 20 16	269 1,113 955	383 1,386 897	320 764 555	2,930 4,980 3,666	3,944 7,297 5,647	Cotton goods, including cot- ton small wares.	1919 1914 1909	231 189 182	124, 150 113, 559 108, 914	526, 367 438, 083 362, 043	150,700	364, 921 119, 834 105, 157	604,938 197,322 186,462
Blacking and cleansing and polishing preparations.	1919 1914 1909	93 93 80	765 572 527	746 574 892	761 302 257	4,905 2,083 1,879	8, 501 3, 841 3, 713	Cutlery and tools, not else- where specified.	1919 1914 1909	168 137 135	11,214 6,485 6,747	20, 492 12, 728 13, 263	12, 305 3, 903 3, 738	13, 399 3, 394 3, 484	48,832 12,974 11,611
Boots and shoes, including eut stock and findings.	1019 1914 1909	929 884 860	90, 693 85, 114 83, 063	48,353 39,721 35,051	99,589 51,007 45,990	367, 219 164, 242 152, 990	573,037 255,188 236,843	Dyeing and finishing tex- tiles, exclusive of that done in textile mills.	1919 1914 1909	62 57 48	12, 321 11, 437 9, 079	39, 133 30, 932 24, 513	12, 241 5, 843 4, 430	44, 210 10, 989 10, 469	75,262 22,455 21,893
oots and shoes, rubber	1919 1914 1909	8 9 8	$\substack{13,062\\8,087\\6,928}$	21,609 8,177 8,330	12,763 4,468 3,376	17,621 10,455 10,640	44, 308 23, 789 18, 722	Dyestuffs and extracts—nat- ural.	1919 1914 1909	27 17 10	105 148 80	773 520 325	200 99 50	4, 476 1, 162 512	5,812 1,674 725
oxes, paper and other, not elsewhere specified.	1919 1914 1909	102 97 99	4, 711 4, 244 3, 838	4,166 3,393 2,370	$3,547 \\ 1,886 \\ 1,557$	7,463 3,672 2,719	15,666 7,085 5,758	Electrical machinery, appa- ratus, and supplies.	1919 1914 1909	$110 \\ 91 \\ 83$	$23,889 \\ 17,125 \\ 14,507$	36, 367 29, 846 14, 835	27, 650 10, 651 8, 209	31, 837 17, 697 12, 735	$ \begin{array}{r} 01,939 \\ 43,869 \\ 28,143 \end{array} $
rass, bronze, and copper products.	1919 1914 1909	72 73 85	2, 832 1, 620 1, 791	15,511 7,415 6,407	$3,506 \\ 1,063 \\ 1,115$	9,367 3,715 3,663	16, 943 5, 959 6, 042	Emery and other abrasive wheels.	1019 1914 1909	14 12 13	2, 443 902 615	5,886 2,214 1,710	2, 265 599 429	5,013 866 564	$13,118 \\ 2,209 \\ 1,982$
read and other bakery products.	1914	1,309 1,419 1,201	8, 583 8, 083 6, 697	7,712 6,589 4,316	9,336 4,860 3,814	40, 587 18, 271 15, 727	66, 017 33, 309 26, 146	Fancy articles, not else- where specified. ³	1919 1914 1909	71 67 78	3, 833 2, 777 3, 558	$3,076 \\ 2,457 \\ 2,382$	3,229 1,383 1,630	7,359 2,857 3,514	$13,696 \\ 5,342 \\ 6,618$
rushes	1919 1914 1909	30 29 30	1,613 1,437 1,629	1,005 878 580	$\substack{1,342\\717\\653}$	$3,334 \\ 2,231 \\ 1,356$	6, 857 3, 910 2, 875	Firearms,	1919 1914 1909	5 6 8	2,253 2,161 2,327	2, 121 1,990 3,059	2,590 1,461 1,458	1,066 711 752	5, 645 3, 207 3, 408
anning and preserving 1	1919 1914 1909	55 65 71	1, 944 1, 903 1, 449	1,677 998 1,043	$1,838 \\ 806 \\ 642$	$13,433 \\ 5,606 \\ 4,583$	19, 017 8, 169 6, 840	Flour-mill and gristmill prod- ucts.	1919 1914 1909	75 105 120	123 176 229	$\begin{array}{c} 4,013\ 4,900\ 5,642 \end{array}$	130 101 126	4, 250 3, 424 4, 131	4, 878 3, 811 4, 632
arpets and rugs, other than rag.	1919 1914 1909	$\begin{smallmatrix}10\\12\\11\end{smallmatrix}$	3, 134 5, 319 5, 954	6,132 10,600 10,037	3, 146 2, 389 2, 763	8,021 6,668 7,501	$13,594 \\ 10,981 \\ 12,812$	Food preparations, not else- where specified.	1919 1914 1909	81 68 50	848 409 360	1,919 1,032 827	773 280 108	6,072 1,953 1,202	9, 603 4, 043 2, 547
arriages and sleds, chil- dren's.	1919 1914 1909	13 8 7	1, 449 1, 175 858	1,358 1,130 845	1,414 660 411	$2,550 \\ 1,460 \\ 955$	5,254 2,644 1,755	Foundry and machine-shop products.4	1919 1914 1909	1,179 932 857	$61,740 \\ 41,361 \\ 44,179$	98, 105	77, 087 28, 118 27, 032	87, 999 30, 990 31, 182	244, 579 85, 639 86, 926
ars and general shop con- struction and repairs by electric-railroad companies.	1919 1914 1909	30 39 46	1, 846 1, 705 1, 708	2,790 235 1,788	2,446 1,373 1,096	1,758 1,204 975	4,505 2,566 2,140	Furnishing goods, men's 6	1919 1914 1909	43 43 55	$3,240 \\ 3,316 \\ 4,260$	1,989 1,727 2,306	2,671 1,582 1,952	$\begin{array}{c} 10,278 \\ 4,370 \\ 6,652 \end{array}$	17, 862 7, 592 12, 030
ars and general shop con- struction and repairs by steam-railroad companies.	1919 1014 1909	14 15 21	7,724 6,264 5,162	11,259 8,287 5,697	11,272 4,394 3,447	10,291 4,197 3,976	22, 638 8, 830 7, 804	Furniture and refrigerators	1919 1914 1909	$171 \\ 145 \\ 155$	6, 435 6, 954 7, 277	10, 677 10, 919 12, 203		10, 845 5, 858 5, 808	24, 109 14, 281 13, 868
hemicals	1919 1914 1909	27 24 24	2,483 1,395 1,358	9,223 5,405 3,731	3,044 955 811	8, 101 3, 355 3, 048	17, 305 6, 685 5, 916	Gas, illuminating and heating	1919 1914 1909	51 61 64		$^{18,827}_{11,462}_{7,371}$	3,557 2,141 1,250	10, 774 5, 951 3, 810	24, 231 15, 752 11, 074
nocolate and cocoa prod- ucts.	1919 1914	6 5	2,007 943	5,711 4,403	1,945 592	23,989 7,303	30, 327 10, 210	Glue, not elsewhere specified.	1919 1914	13 11	826 563	1,095 1,481 2,151	940 294	3,630 1,789	6,451 2,589
othing, men's, including shirts.	1919 1914 1909	219 227 254	7,946 7,645 7,335		7,989 3,853 3,308	26,465 10,415 9,756	46, 583 19, 614 18, 314	Grease and tallow, not in- cluding lubricating greases.	1909 1919 1914	14 24 33	509 825 622	2,163 1,244	223 917 420	1,159 4,836 1,829	1, 895 7, 323 2, 668
	1919 1914 1909	258 202 174	6,271 6,076 5,813	$1,022 \\ 1,202 \\ 1,024$	5,618 2,966 2,446	17,974 7,664 6,511	30, 428 13, 983 11, 728	Hats, straw	1909 1919 1914	35 13 19	561 1,490 2,383	1,374	347 1,100 1,451	1, 753 2, 980 3, 205	2, 661 5, 485 5, 762 6, 589
and grinding.	1919 1914 1909	23 21 17	512 466 373	1,377 1,312 996	483 265 201	14,005 6,312 4,082	16, 978 8, 675 5, 806	House-furnishing goods, not elsewhere specified.	1909 1919 1914	18 18 54 29	2, 668 1, 081 444	1,009 746 814	1, 448 793	3, 680 5, 130 844	6, 589 7, 708 1, 350
	1919 1914	278 273	11,585 7,250		8,523 3,037	40, 354 18, 841	68, 897 22, 902	•	1914 1909 1919	18 11	311	490	203 129 5 758	593	921
not elsewhere specified.	1919 1914 1909	33 53 70	737 955 974	2,095 2,914 2,863	695 529 452	2,002 1,157 1,094	3, 482 2, 061 1, 939	and rolling mills.	1914 1909	11 11 9	3, 654 2, 889 3, 115	31,609 28,507 24,500	1,903	19, 236 8, 802 10, 032	30, 970 11, 376 13, 568

629

TABLE 39.-COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909-Continued.

	Cen-	Num- ber of	Wage earn- ers	Pri- mary		Cost of mate- rials.	Value of prod- ucts.	INDUSTRY.	Cen-	Num- ber of estab-	Wage earn- ørs (aver-	mary		Cost of mate- rials.	Value o prod- ucts.
INDUSTRY.	year.	estab- lish- ments	(aver- age num- ber).	horse- power.	Expres	and in thousands of dollars.		INDUSIEX.	year.	lish- ments	age num- ber).	horse- power.	Express	sed in the f dollars.	ousand
		тн	E STA	ſE—AL	L IND	USTRIE	es comb	INED AND SELECTED IN	DUS'	FRIES	- Conti	nued.			
ron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1919 1914 1909	11 8 10	$\substack{1,471\\1,292\\1,217}$	2, 120 2, 073 2, 233	1,613 764 703	3,150 1,041 968	5, 763 2, 267 2, 427	Paper goods, not elsewhere specified. ³	1919 1914 1909	57 60 61	3,886 5,829 5,135	9,395 8,621 6,776	3,497 2,918 2,344	15, 130 8, 687 7, 436	24,42 15,57 13,53
ron and steel, forgings, not made in steel works or rolling mills.	$\begin{array}{c} 1919 \\ 1914 \\ 1909 \end{array}$	14 10 11	2, 172 683 565	6, 579 1, 826 1, 459	2, 906 523 381	5,278 839 925	13, 299 2, 076 1, 949	Patent medicines and com- pounds and druggists' preparations. ⁴	1919 1914 1909	$139 \\ 162 \\ 154 \\ 0.000 \\ 0.$	2,390 1,381 1,183	1,981 1,586 1,376	1,905 696 566	8,612 3,323 2,727	20,33 8,20 7,43
ron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or	1919 1914 1909	25 28 26	1, 537 1, 233 1, 125	3, 380 3, 308 2, 870	1, 520 608 576	$3,841 \\ 1,421 \\ 1,510$	7, 853 2, 847 2, 928	Printing and publishing 5	1919 1914 1909 1919	1,327 1,344 1,279 47	18,247 18,170 17,532 9,406	20, 295 47, 629	20,805 13,266 11,684 11,682	34,906 16,817 12,881 47,076	104,5 56,1 47,4 93.3
rolling mills. ewelry	1919 1914 1909	$ \begin{array}{r} 165 \\ 202 \\ 175 \end{array} $	6,786 6,505 7,423	4,404 4,272 4,018	7, 234 3, 889 4, 422	18,365 6,710 5,579	34, 817 14, 176 15, 211	Rubber tires, tubes, and rubber goods, not else- where specified. Shipbuilding, wooden, in-	1914 1909 1919	42 29 55	4,743 3,418 928	17,515 10,123 2,074	2,845 1,769 1,402	14,142 11,005 1,978	93,3 23,0 15,7 4,1
Cnit goods	1919 1914 1909	77 77 65	12,751 10,635 9,941	16,574 12,309 9,113	11, 364 4, 737 3, 855	31,173 9,267 6,972	52, 424 17, 419 14, 736	cluding boat building. Silk goods, including throw- stors.	1914 1919 1914 1909	81 21 19 19	435 5, 697 4, 495 4, 109	9,811 6,635 5,305	328 5,040 2,092 1,840	395 19, 243 5, 961 5, 430	1,0 34,1 10,6 8,9
Lasts	1919 1914 1909	31 32 27	1,299 890 675	2,861 2,278 1,610	1,598 653 526	1,837 592 611	5,886 1,909 1,909	Silverware and plated ware	1909 1919 1914 1909	25 17 21	2, 345 2, 163 2, 465	2,991 2,730 2,113	2,471 1,468 1,725	4, 300 2, 228 2, 728	-,- 9,8 5,5 6,5
Leather goods 1	1919 1914 1909	119	$1,680 \\ 1,430 \\ 1,710$	670 444 634	1, 377 785 859	4,063 2,210 2,387	7, 373 4, 023 4, 373	Slaughtering and meat pack- ing. ⁶	1919 1914 1909	107	4, 613 3, 582 3, 325	9, 201 6, 742 4, 844	5, 788 2, 141 1, 837	105, 458 47, 476 38, 880	115, 5 54, 4 44, 4
Leather, tanned, curried, and finished.	1914	126	$15,180 \\ 10,164 \\ 10,252$	34,159 26,534 19,231	5,918 5,444	28,700	40,002	Soap	1919 1914 1909	32	1,008 400 458	2,785 1,400 1,379	984 260 227	$11,173 \\ 2,476 \\ 2,377$	18, 4,6 4,
Linen goods	1919 1914 1900	. 7	1,219 1,541 1,052	3,780 4,605 4,650	652	3,328 1,705 1,904	5,178 3,050 3,392	Sporting and athletic goods.	1919 1914 1909	15	1,397 1,275 891	1, 912 1, 188 870	1, 248 767 474	3,004 1,984 1,235	5, 3, 2,
Liquors, malt	$\begin{array}{c c} 1910 \\ 1914 \\ 1909 \end{array}$	26	1,328 2,106 1,739	7,835 12,100 9,917	1,092	4,188 4,920 3,593	15,008	Stationery goods, not else- where specified.	1919 1914 1909	27	3, 305 2, 467 1, 790	1, 500 1, 282 924	1,248	7, 265 3, 552 2, 395	15, 6, 4,
Lumber and timber prod- ucts. ²	1910 1914 1900	1 589	7, 119 8, 156 8, 976	38, 350 42, 493 44, 784	5,031	12,484	23,012 23,026	Stoves and hot-air furnaces.	. 1910 1914 1900	13	1, 386 1, 446 1, 703	2, 420	1,785 1,116 1,239	1,671 893 1,079	5, 2, 3,
Marble and stone work	. 1910 1014 1900	L 306	1,936 3,858 5,015	16,515	2,889		7,804	Surgical appliances	. 1919 1914 1909	14	609 249 208	728 322 221	112	4,346 1,039 474	6, 1,
Mattresses and spring beds, not elsewhere specified.	1914	1 54) 52	583 740 667	903 1,032 592	376 330	1,297	2,227	Tobacco manufactures	. 1919 1914 1909	336	2, 976 3, 928 3, 551	339	3,110		11, 9, 7,
Millinery and lace goods, not elsewhere specified.	1914	4 69 0 79	1,396 2,026 1,686	391	940 067	2,886 2,282	3,977	Toys and games	. 1910 1914 1900	18	1,051	1, 119 745	636 447	859	4, 2, 1,
Mineral and soda waters	191-	4 171 9 145	768 508 525	851		1,075 803	2,442 2,193	Wire	- 1919 1914 1909	1 8	2, 899	1	2,218		24, 8, 9,
Motorcycles, bicycles, and parts.	$191 \\ 190$	4 6 9 10	843	891	1,567	3,194 1,378	7,021		1919 1914 1909	1 30	1, 578	2,648		1,499	
Musical instruments, planos and organs and materials	191	4 52 9 59	3,906 4,245	5,10	4 2,005		9,106		1914	$\frac{10}{3}$ 8	577 493	4,479 3,648	334	727	
Needles, pins, and hooks and eyes.	191	4 4	531	39	1	3 190) 577	F	- 191 191 190	4 17	44€	3,106	685 240 202	1,267	5, 1, 1,
Oil, not elsewhere specified.	191 190		303 293	88 61	$\begin{bmatrix} 5 & 197 \\ 7 & 174 \end{bmatrix}$	2,239		goods.		$ \begin{array}{c c} 0 & 197 \\ 4 & 171 \\ \end{array} $	54,950 54,250			219, 350 83, 077 87, 976	
Optical goods	191	4 ⁻¹³ 9 11	2,35	3,04 2,23	0 1,10			All other industries	191		64, 82 42, 93			195, 816 86, 772 83, 865	
Paint and varnish	191 190	14 34)9 41	49 42	$\begin{bmatrix} 1,41\\ 3 & 1,81 \end{bmatrix}$	$ \begin{array}{c cccccccccccccccccccccccccccccccc$	2 2,62 1 2,07	4 87,160								
Paper and wood pulp	191 191 190	l4. 8€	$\begin{vmatrix} 12, 50 \\ 13, 40 \\ 12, 84 \end{vmatrix}$	$\begin{smallmatrix} 0 & 145, 32 \\ 1 & 133, 80 \\ 8 & 115, 79 \\ \end{smallmatrix}$	$\begin{bmatrix} 0 & 7,54 \\ 2 & 6,54 \end{bmatrix}$	$ \begin{array}{c} 26,61\\ 22,35 \end{array} $	$\begin{array}{c cccc} 4 & 87,160 \\ 1 & 43,353 \\ 0 & 40,097 \end{array}$								

¹ Includes "pocketbooks"; "saddlery and harness"; and "trunks and valises." ³ Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "window and door screens and weather strips." ³ Includes "onvelopes." ⁴ Includes "orthomery and cosmeties." ⁴ Includes "porfumery and cosmeties." ⁴ Includes "book binding and blank-book making"; "ongraving, steel and copper plate, including plate printing"; and "lithographing." ⁴ Includes "sausage, not made in slaughtering and meat-packing establishments."

TABLE 39.-COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909-Continued.

	Cen-	Num- ber of	Wage earn- ers	Pri- mary	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Con- sus	Num- ber of estab-	Wage earn- ers (aver-	Pri- mary	Wages.	Cost of mate- rials.	Value of prod- ucts.
INDUSTRY AND CITY.	sus year.	estab- lish- ments	(aver- age num- ber).	horse- power.	Expres	ssed in tl of dollar	housands 's.	INDUSTRI AND CITT.	year.	lish- ments	age num- ber).	horse- power.	Expres	ssed in th of dollars	ousands
CITIE	SOF	50,000 I	NHAB	TANTS	OR M	ORE-A	LL IND	USTRIES COMBINED AND	SEL	ECTE	D INDU	JSTRIE	s.		
BOSTON All industries.	1919 1914 1909	3,077 3,138 3,195	88,759 78,894 73,957	85,897	49,444	349,606 150,568 127,928	618,922 284,802 244,793	BOSTON-Con. Foundry and machine-shop	1919	239	11,469	14, 520	15,435	15,254	48,653
Automobile bodies and parts		22 10	257 193	265 147	326 147	323 140	918 449	products. 4	1914 1909	225 211	8,041 6,323	10,413 6,886	5, 742 4, 190	6,628 5,100	18, 259 13, 474
Awnings, tents, and sails	1919 1914 1909	21 19 19	$168 \\ 173 \\ 204$	55 48 32	156 108 110	504 279 231	877 517 468	Fur goods	1919 1914 1919	18 17 11	282 208 207	55 40 17	384 146 159	1,287 476 1,607	2, 368 862 2, 450
Belting, leather	1919 1914 1909	3 4 5	39 52 46	55 53 43	45 36 35	$1,129 \\ 623 \\ 513$	1,455 904 698	neckwear. Furniture and refrigerators	1914 1919 1914	7 67 53	237 1,088 872	51 1, 165 792	118 1,381 634	668 2,750 1,128	1,040 5,630 2,551
Blacking and cleansing and polishimg preparations.	1919 1914 1909	28 27 23	145 141 125	283 178 114	138 79 67	1,023 537 417	2,075 1,127 820	Hats and caps, other than felt, straw, and wool.	1909 1919 1914	64 31 28	943 352 278	822 59 47	617 484 164	1,159 1,301 396	2,654 2,241 710
Boots and shoes, including cut stock and findings.	1919 1914 1909	57 51 43	7,531 7,421 6,116	5,082 4,158 2,062	7,632 4,029 3,046	48,772 19,479 19,835	$\begin{array}{c} 66,427\\ 27,103\\ 26,147 \end{array}$	House-furnishing goods, not elsewhere specified.	1919 1914 1909	30 8 6	553 85 36	144 20 6	$390 \\ 45 \\ 19$	$3,164 \\ 108 \\ 77$	4,685 217 119
Boxes, set-up paper boxes and cartons.	1919 1914 1909	21 19 21	971 725 964	474 308 414	685 308 362	944 364 558	2,314 882 1,213	Instruments, professional and scientific.	$1919 \\ 1914 \\ 1909$	12 12 15	441 484 344	293 589 221	497 332 235	$^{402}_{378}$	1,506 891 781
Brass, bronze, and copper products.	1919 1914 1909	24 27 33	218 185 333	244 266 244	$304 \\ 141 \\ 224$	725 233 363	1,410 500 806	Jewelry	1919 1914 1909	32 39 32	198 250 303	103 112 82	298 180 189	731 386 248	1,603 860 710
Bread and other bakery prod- ucts.	1919 1914 1909	306 312 285	2,798 2,701 1,999	2,413 2,235 6,663	2,987 1,547 1,068	12,897 5,830 4,825	$21,681 \\ 11,413 \\ 8,109$	Knit goods	1919 1914 1909	11 10 8	864 770 729	374 291 168	683 310 253	$2,541 \\ 1,005 \\ 583$	4,205 1,598 1,028
Canning and preserving 1	1919 1914 1909	19 23 21	519 444 323	857 594 577	446 233 140	3,861 1,688 1,383		Leather goods 5	1919 1914 1909	34 40 45	375 352 558	121 132 152	384 224 280	1,346 691 797	$2,266 \\ 1,245 \\ 1,434$
Carriages and wagons and materials.	1919 1914 1909	2 8 31 26	181 339 298	156 375 450	$213 \\ 247 \\ 204$	184 288 222	544 694 582	Liquors, malt6	1919 1914 1909	10 13 20	$802 \\ 1,225 \\ 1,126$	3, 735 5, 951 4, 799	1,221 1,149 1,019	$2,104 \\ 2,594 \\ 1,957$	8,956 8,836 7,554
Cars and general shop con- struction and repairs by steam-railroad companies.	1919 1914 1909	6 5 6	1,860 3,628 1,172	700 2,944 291	2,601 2,443 768	$1,943 \\ 2,410 \\ 652$	$4,728 \\ 5,024 \\ 1,530$	Lumber and timber products	1919 1914 1909	44 56 67	689 859 1,034	3, 181 2, 970 3, 295	864 641 727	2,045 1,680 1,538	3,765 2,903 3,027
Clothing, men's, including shirts.	1919 1914 1909	168 181 196	4,660 4,758 4,479	$1,104 \\ 1,043 \\ 1,086$	5,606 2,633 2,286	17,938 7,687 7,756	$32,404 \\ 14,080 \\ 14,535$	Marble and stone work	1919 1914 1909	17 24 31	$177 \\ 455 \\ 581$	749 1,106 1,140	262 366 459	$375 \\ 436 \\ 453$	771 1,037 1,152
Clothing, women's	1919 1914 1909	173 139 122	3,882 3,964 3,540	1,010 686 491	3,965 2,144 1,649	$12,105 \\ 5,126 \\ 4,306$	20,656 9,609 7,842	Mattresses and spring beds, not elsewhere specified.	1919 1914 1909	$22 \\ 21 \\ 28$	381 531 496	616 598 383	455 263 248	$1,778 \\ 1,115 \\ 1,048$	2,973 1,887 1,770
Coffee and spice, roasting and grinding.	1919 1914 1909	14 17 11	481 446 848	$1,132 \\ 1,114 \\ 786$	449 252 188	$13,418 \\ 6,124 \\ 3,651$	16,239 8,463 5,308	Millinery and lace goods, not elsewhere specified.	1919 1914 1909	51 59 05	806 1,415 1,454	190 283 311	790 601 580	$1,948 \\ 2,014 \\ 1,931$	3, 763 3, 564 3, 425
Confectionery and ice cream.	1919 1914	68 72	8,258 5,114	8,485 4,273	5,792 2,042	26,418 9,108	46,097 15,246	Mineral and soda waters	1919	29 26	198 137	$319 \\ 228 \\ 199$	$243 \\ 103 \\ 112$	1,086 539	$2,492 \\ 1,204 \\ 995$
Copper, tin, and sheet-iron products. ³	1919 1914 1909	61 75 85	1,457 1,397 1,702	1,428 946 845	1,674 904 990	3,640 2,100 1,870	8,177 4,144 3,925	Musical instruments and materials, not elsewhere	1909 1919 1914	25 14 15	160 187 245	104 106	102 184	415 207 137	607 333
Cotton goods	1919 1914	9 5	874 747	2,968 2,408	715 318	2, 527 694	4,408 1,228	specified. Musical instruments, pianos and organs and materials.	1919 1914	10 15	$1,231 \\ 1,299 \\ 1,410$	1,531 1,312	1,547	2,111 1,581	4,863 3,276 3,428
Dyestuffs and extracts- natural.	1919 1914 1909	11 10 6	57 61 27	276 183 119	75 45 16	814 516 161	1,323 717 243	Paint and varnish	1909 1919 1914	21 10 11	1,410 135 119	917 388 234	958 , 151 , 79	1,468 1,096 637	2,144 1,055
Electrical machinery, appa- ratus, and supplies.	1919 1914 1909	32 30 27	2,525 1,481 1,380	1,936 1,829 1,502	2,460 914 700	4,344 1,414 1,003	10,671 3,635 3,028	Paper goods, not elsewhere specified.	1909 1919 1914	12 6 12	142 161 342	484 412 223	80 139 144	617 626 337	1,065 898 659
Fancy articles, not elsewhere specified.	1919 1914	15 7	150 52	43 37	135 29	356 52	871 114	Patent medicines and com- pounds and druggists'	1919 1914	66 68	1,676 768	743	1,290	5,700 2,120	12,222 4,623 3,966
Flavoring extracts	1919 1914 1909	13 9 15	.67 52 55	43 42 19	65 28 27	636 311 250	$1,209 \\ 641 \\ 572$	preparations. ⁷ Photo-engraving	1909 1919 1914	69 16 19	614 357 432	280 132 269	282 503 399	1,538 189 145	1,297 1,002
Food preparations, not else- where specified.	1919 1914 1909	$29 \\ 21 \\ 14$	502 257 219	1,100 556 382	460 160 129	3,372 1,058 686	5,667 2,500 1,540	Printing and publishing 8	1919 1914 1909	539 567 564	8;-214 7, 972 8, 257	9,149 9,124 6,248	10, 240 6, 375 6, 033	20,772 0,781 6,962	62, 523 33, 249 28, 021

Includes "canning and preserving, fish"; and "pickles, preserves, and sauces."
Excludes statistics for 2 establishments manufacturing carriage and wagon materials, to avoid disclosure of individual operations.
Includes "timware, not elsewhere specified."
Includes "time and the state an

TABLE 39.-COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909-Continued.

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INDUSTRY AND CITY.	Cen-	Num- ber of estab-	Wage earn- ers (aver-	Pri- mary horse-	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen-	Num- ber of estab-	Wage earn- ers (aver-	Pri- mary horse-	Wages.	Cost of mate- rials.	Value of prod- ucts.
	year.	lish- ments	age num- ber).	power.	Expre	ssed in th of dollar	nousands s.		year.	lish- ments	age num- ber).	power.		ssed in th of dollar	
CITIES OF 5	0,000 1	NHAI	BITANI	SOR	MORE-	-ALL I	NDUSTI	RIES COMBINED AND SE	LECT	ED IN	DUSTI	RIES-C	lontinuo	ed.	
BOSTON-Con.								CAMBRIDGE-Con.							
Rubber tires, tubes, and rub- ber goods, not elsewhere specified.	1919 1914	8 7	401 276	793 1,092	351 151	742 319	1,545 680	Bread and other bakery products.	1919 1914 1909	$ 42 \\ 40 \\ 40 $	1, 245 901 801	$1,030 \\ 1,171 \\ 862$	1,215 512 440	5,279 2,071 1,961	9,094 3,954 2,962
Screws, machine	1919 1914	77	149 102	290 211	175 71	274 99	605 231	Confectionery and ice cream.	1919 1914	$\frac{26}{21}$	1,952 1,241	$1,997 \\ 1,183$	$1,425 \\ 509$	6,698 2,503	11,460 3,808
Signs and advertising novel- ties.	1919 1914	10 12	230 270	96 136	239 143	255 171	745 465	Copper, tin, and sheet-iron products. ³	1919 1914	12 7	478 183	583 203	571 113	1,025	2,254 588
Slaughtering and meat pack- ing,1	1919 1914 1909	$22 \\ 26 \\ 24$	296 329 273	758 625 313	409 232 172	7, 991 5, 211 3, 514	9,168 6,396 4,096	Foundry and machine-shop	1909 1919	6 44 34	200 3, 238	100 4,800	104 4,100	274 6,362	530 15,045 5,332
Soap	1919 1914	8 11	44 54	177 95	52	573 314	1,061 441	products.4	1914 1909	25	1,786 2,260	3,386° 3,176	1,202 1,430	1,885 1,761	4,789
Stationery goods, not else-	1909 1919	13 4	65 180	80 96	36 138	286 637	455 1,361	Furniture	1919 1914 1909	11 12 13	728 636 780	809 556 1,262	938 495 603	769 368 417	2,179 1,284 1,392
where specified.	1914	5 3	237 86	105 17	123 46	389 91	666 283	Instruments, professional and scientific.	1919 1914	3 3	42 31	$31 \\ 24$	38 24	91 43	158 100
Suspenders, garters, and elastic woven goods. Tobacco manufactures	1919 1914 1919	9 10 97	740 855 2,052	263 245 111	513 361 2,444	2,190 1,285 3,481	3, 940 2, 322 8, 437	Lumber and timber prod- ucts. ⁵	1919 1914 1909	$\begin{smallmatrix}&6\\12\\11\end{smallmatrix}$	$203 \\ 358 \\ 345$	683 1,359 1,261	245 282 232	320 691 409	785 1,112 875
	1914 1909	101 145	2,694 2,318	126 70	2,316 1,780 631	2,738 2,046 660	6,684 5,506 2,181	Marble and stone work	1919 1914	8 10 12	87 173	505 607 887	$132 \\ 140 \\ 242$	135 118 183	364 380 605
Tools, not elsewhere specified	1919 1914 1909	$\begin{array}{c}16\\12\\11\end{array}$	530 321 235	1,007 494 601	201 138	458 384	781 798	Printing and publishing 6	1909 1919 1914	47 45	302 2,101 2,159	1,979 1,804	2,258 1,477	3,717 1,552	10,010 4.020
All other industries	1919 1914 1909	469 508 758	15,595 12,049 23,140	31,804 22,954 33,675	$16,522 \\ 7,553 \\ 11,924$	104,420 38,537 46,809	150, 813 62, 588 79, 731	All other industries	1909 1919 1914	41 134 127	1,993 11,844 8,786	1,442 15,768 15,782	1,185 11,474 5,254	1,280 44,110 21,758	3,368 75,069 36,307
BROCKTON	1919 1914 1909	217 243 196	$18,059 \\ 16,246 \\ 14,737$	13,205 10,477 9,773	20, 896 10, 557 9, 122	74,713 31,604 28,585	117, 855 51, 259 45, 972	FALL RIVER All industries.	1909 1919 1914	123 293 315	8,287 37,015 36,834	12,272 145,646 139,582	4,024 30,514 16,131	17, 177 96, 180 37, 161	29,426 163,246 64,663
Blacking, stains, and dress- ings.	1919 1914 1909	13 16 12	43 43 31	57 32 45	52 31 23	447 194 166	838 430 328	Bread and other bakery products.	1909 1919 1914	288 68 88	37,139 254 197	122,061 195 86	15,339 283 127	35, 524 1, 202 610	64,146 1,875 1,017
Boots and shoes, including cut stock and findings.	1919 1914 1909	92 84 75	15,089 13,765 12,503	8,495 7,106 6,802	17, 611 8, 978 7, 751	67,040 28,455 25,384	101, 598 44, 122 39, 293	Confectionery and ice cream.	1909 1919 1914	74 8 12	217 28 23	19 67 25	127 37 13	479 168 74	796 271 124
Boxes, sot-up paper boxes and cartons.	1919 1914 1909	4 5 5	182 174 214	50 141 148	142 77 89	239 114 140	537 233 329	Copper, tin, and sheet-iron work.	1919 1914	10 8	27 36	11	38 24	36 22	95 75
Bread and other bakery products.	1919 1914 1909	10 21 11	84 252 223	119 248 198	$ \begin{array}{r} 108 \\ 134 \\ 126 \end{array} $	507 539 453	810 1,070 892	Cotton goods, including cot- ton small wares.	1919 1914 1909	54 51 45	30,758	135,872 124,347 110,975	26, 319 13, 189 12, 106	81,588 29,659 27,563	137, 731 49, 995 48, 576
Cutlery and edge tools	1919 1914 1909	7 9 8	66 72 102	96 83 90	91 62 85	69 32 47	281 135 204	Foundry and machine-shop products. ⁷	1919 1914 1909	31 27 33	925 570 759	1,377 627 629	906 342 373	$1,833 \\ 453 \\ 605$	3,907 1,064 1,342
Foundry and machine-shop products. ²	1919 1914 1909	0 15 9	276 243 162	255 230 278	329 178 119	254 127 116	929 431 391	Lumber and timber prod- ucts. ⁸	1919 1914 1909	4 6 8	47 80 68	427 486 648	55 52 38	160 98 206	271 192 318
Lasts	1919 1914 1909	6 7 6	365 241 170	631 600 313	470 181 124	498 215 183	1,857 584 539	Marble and stone work	1919 1914 1909	10 10 12	$50 \\ 45 \\ 103$	220 374 549	61 32 81	34 27 24	124 76 158
Models and patterns, not in- cluding paper patterns.	1919 1914	54	58	27 18	70 23	31 11	214 76	Printing and publishing	1919 1914 1909	22 22 21	196 195 190	149 195 171	191 153 142	166 96 95	570 396 365
All other industries	1919 1914 1909	71 82 70	1,896 1,418 1,332	3,475 2,019 1,899	2,023 893 805	5,628 1,977 2,076	10, 791 4, 178 3, 996	Sausage, not made in slaugh- tering and meat-packing establishments.	1919 1914 1909	7 8 7	27 21 13	47 27 10	30 16 6	268 145 76	338 210 97
CAMBRIDGE All industries.	1919 1914 1909	339 316 275	22,550 16,749 15,260	28, 421 26, 227 21, 372	22, 842 10, 217 8, 365	69,127 31,535 23,566	127, 865 57, 484 44, 227	All other industries	1919 1914 1909	79 83 88	3, 173 4, 909 5, 382	7, 281 13, 415 9, 060	2, 594 2, 183 2, 466	10,725 5,977 6,476	18, 064 11, 514 12, 494
Boxes, set-up paper boxes	1919 1914 1909	6 • 5 4	632 495 292	236 152 110	440 209 105	621 249 104	1,447 599 280	HAVERHILL ⁹ All industries.	1919 1914 1909	405 398 346	15, 783 13, 281 11, 689	12, 747 10, 839 7, 930	8.614	57,218 26,512 21,686	96, 277 42, 409 35, 377
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TABLE 39.-COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909-Continued.

INDUSTRY AND CITY.	Cen- sus	Num- ber of estab-	ers (aver-	Pri- mary horse-	Wages	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus	Num- ber of estab-	Wage earn- ers (aver-	Pri- mary horse-	Wages	Cost o mate- rials.	f Value of prod- ucts.
	year.	lish- ments	age num- ber).	power.	Expre	essed in t of dolla	housands rs.		year.	lish- ments	age num- ber),	power	Expre	essed in ti of dollar	housands rs.
CITIES OF 50	0,000 I	NHAI	BITAN'I	SOR	MORE	-ALL :	INDUST	RIES COMBINED AND SE	LECT	ED IN	DUST	RIES-	Continu	led.	and the second second
HOLYOKE All industries.	1919 1914 1909	$176 \\ 222 \\ 187$	17,773 17,493 16,513	76,893 74,369 60,269	17,318 8,994 8,076	51,160 25,362 22,301	93, 427 44, 041 40, 097	LOWELL. All industries.	1919 1914 1909	291 300 319	$30,111 \\ 29,904 \\ 32,333$	83,817	29,865 14,002 14,022	76,993 33,104 32,455	56.049
Bread and other bakery products.	1919 1914 1909	26 33 27	$ \begin{array}{r} 120 \\ 124 \\ 108 \end{array} $	145 40 24	139 83 76	587 313 275	951 561 464	Belting, leather	1919 1914	3 3	17 10	9 8	21 11	114 57	105 78
Copper, tin, and sheet-iron work.	1919 1914	3 4	75 107	133 23	94 59	189 131	368 249	Boots and shoes, not includ- ing rubber boots and shoes.	1919 1914 1909	5 9 7	674 1,485 1,259	476 800 618	585 684 562	1,753 2,355 1,682	3,138 3,549 2,650
Foundry and machine-shop products.1	1919 1914 1909	26 24 17	$1,354 \\ 905 \\ 1,002$	$3,525 \\ 2,804 \\ 1,455$	1,604 594 621	2,685 890 843	5,524 2,197 2,095	Bread and other bakery products,	1919 1914 1909	57 57 46	$218 \\ 221 \\ 106$	169 92 58	$ \begin{array}{c} 240 \\ 146 \\ 103 \end{array} $	$1,132 \\ 415 \\ 482$	1,724 734 750
Lumber, planing-mill prod- ucts, not including planing mills connected with saw-	1919 1914 1909	3 4 4	$ \begin{array}{r} 162 \\ 182 \\ 131 \end{array} $	431 360 410	188 137 71	902 366 177	1,350 641 362	Confectionery and ice cream.	1919 1914	10 7	28 8	142 18	37 5	185 34	297 57
mills. Paper and wood pulp	1919 1914 1909	20 21 23	3,628 4,684	37,776 42,582	4,044	13,012 8,272	21,376	Copper, tin, and sheet-iron work.	1919 1914	6 6	39 30	55	48 19	56 21	168 59
Paper goods, not elsewhere specified.	1909 1919 1914	23 5 5	4,480 608 496	39,069 1,407 1,033	2,211 507 282	7,244 2,250 1,258	12,305 3,645 1,932	Cotton goods, including cot- ton small wares.	$1919 \\ 1914 \\ 1909$	13 12 11	12,555 13,142 13,833	54,348 53,133 41,955	11,707 5,788 5,653	$\begin{smallmatrix} 36,216\\14,333\\13,943 \end{smallmatrix}$	60,831 23,178 24,744
Printing and publishing 2	1909 1919	4 22 31	417 945	740 690	204 856	947 1,406	1,424 3,453	Dyeing and finishing textiles, exclusive of that done in textile mills.	1919 1914	5 3	947 705	$^{3,020}_{1,227}$	998 390	3,023 855	5,370 1,440
Sausage, not made in slaugh-	1914 1909 1919	31 27 4	793 736 11	368 371 27	479 371 12	473 633 98	1,697 1,450 127	Foundry and machine-shop products. ⁷	1919 1914 1909	$ \begin{array}{c} 34 \\ 26 \\ 35 \end{array} $	$2,762 \\ 1,841 \\ 2,599$	3,640 2,605 2,700	3,256 1,122 1,418	$4,245 \\ 1,283 \\ 1,822$	9,872 2,788 4,333
tering and meat-packing establishments. Stationery goods, not else-	1914 1919	7	9 1,011	26 519	7 7	49 2,199	74 4,491	Lumber and timber prod- ucts. ⁸	1919 1914 1909	13 14 17	382 343 410	$1,656 \\ 1,936 \\ 1,637$	$377 \\ 196 \\ 211$	1,503 776 734	2,377 1,123 1,066
where specified	1914 1909	777	655 706	582 366	334 297	924 1,094	1,891 1,930	Patent medicines and com- pounds. ⁹	1919 1914	5 8 7	$145 \\ 160$	621 533	127 92	603 321	1,513
robacco manufactures	1919 1914 1909	13 17	34 64 73	1 3	36 42 44	50 40 38	124 118 128	Printing and publishing 10	1909 1919 1914	7 22 24	183 196	406 313	95 209	349 320	1,130 1,034
All other industries	1919 1914 1909	52 73 61	9,925 9,474 8,860	32,239 26,488 17,834	9,054 4,490 4,181	27,782 12,646 11,050	52,018 21,502 19,939	Woolen and worsted goods	1914 1909 1919	$\frac{24}{26}$	265 250 1,925	595 349 4, 845	191 178 1,898	$298 \\ 209 \\ 5,574$	708 796 9,798
	1919 1914	$\frac{194}{221}$	30,319 31,043	124,155 93,572	32, 362 15, 778	110,959 45,152	183.449	All other industries	1914 1909	9 11	$1,916 \\ 2,807$	4,262 5,807	931 1,210	2,436 3,672	3,924 5,522
Bread and other bakery	1909 1919 [≈]	162 48	30,542 158	73,006 198	13,787	45,438	73,178 79,993 1,409	An other manstres	1919 1914 1909	$ \begin{array}{c} 105 \\ 122 \\ 159 \end{array} $	10,223 9,778 10,826	$16,312 \\ 18,603 \\ 17,936$	10,302 4,427 4,592	22,269 9,920 9,472	41,515 17,556 18,697
	1914 1909 1919	59 26 6	171 143 3.601	183 129 25,811	108 89 3 470	476 367 12,800	800 572 20, 937		1919 1914	429	27, 355 25, 339	29, 132 22, 747	32, 992 15, 593	85,009 38,695	160,906 69,783
	1914 1909	4 6	4,189 4,914	- (3,479 1,833 2,030	4,656 3,918	7,143 6,826	Blacking, stains, and dress-	1909 1919 1914	431 11 10	27,308 77 02	17,089 38 78	94 43	41,361 568 295	71, 503 943 525
products.8	1919 1914 1909	25 21 27	1,007 730 1,012	1,848 1,508 1,238	1,177 459 578	1,813 691 727	4,205 1,443 1,720	Boots and shoas, including	1909 1919	14	44 13,881 13,779	76	31	271 60,992	537
ucts 1	1919 1914 1909	3 5 5	159 410 402	418 1,130 1,170	$ \begin{array}{c} 177 \\ 222 \\ 230 \end{array} $	646 808 1,037	1,081 1,139 1,390		1014 1909 1919	207	16,349	4,101 5,488	16, 736 8, 702 9, 532	28,006 29,148	96,668 43,801 46,660
	1919 1914	19 21	138 121	178 196	173 94	142 82	504 285		1914 1900	4 5 6	$\begin{array}{c}114\\353\\348\end{array}$	$ \begin{array}{r} 40 \\ 507 \\ 265 \end{array} $	89 177 169	$\begin{array}{c} 215\\ 411\\ 404 \end{array}$	505 736 730
ausage, not made in slaugh- tering and meat-packing	1909 1919 1914	18 6 11	126 13 26	166 63 103	89 13 17	66 121 92	254 168 135	products.	1919 1914 1909	43 39 37	$176 \\ 206 \\ 165$	$139 \\ 99 \\ 42$	$199 \\ 154 \\ 111$	$1,074 \\ 440 \\ 443$	1, 632 784 681
establishments. Voolen and worsted goods	1919 1914	0 11	19,101 20,565	78,021 61,810	20,027	79, 361 32, 597	125,761		1919 1914	7 4	38 17	99 73	39 10	$\substack{131\\54}$	251 82
Il other industries	1909 1919 1914 1909	15 76 89 65	6,142	44,638 17,618 12,075	8,899 7,116 2,588 1,872	33,657 15,180 5,750 5,606	51, 584 58, 536 29, 294 10, 649 10, 695	products. "	1919 1914 1909	23 28 26	$375 \\ 319 \\ 411$	385 275 370	$441 \\ 238 \\ 254$	448 153 178	1,288 594 800

¹ Includes "automobile repairing"; "iron and steel, welding"; "pumps, steam"; "steam fittings and steam and hot-water heating apparatus" in all years; and "structural iron work, not made in steel works or rolling mills," in 1914 and 1909.
³ Includes "bookbinding and blank-book making" in 1914 and 1909.
⁴ Includes "iron and steel, welding"; "pumps, steam"; "steam fittings and steam and hot-water heating apparatus" in all years; and "structural iron work, not made in steel works or rolling mills," in 1914 and 1909.
⁴ Includes "bookbinding and blank-book making" in all years; and "lumber, planing-mill products, not including planing mills connected with sawmills."
⁶ Excludes statistics for 1 establishment manufacturing woolen goods, to avoid disclosure of individual operations.
⁷ Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."
⁸ Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."
⁹ Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."
⁹ Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."
⁹ Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."
⁹ Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."
⁹ Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."
¹⁰ Includes "perfumery and cosmetics" in 1914.
¹¹ Includes "perfumery and cosmetics"

TABLE 39.-COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909-Continued.

INDUSTRY AND CITY.	Cen-	Num- ber of estab-	Wage earn- ers (aver-	Pri- mary	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen-	Num- ber of estab-	Wage earn- ers (aver-	Pri- mary	Wages.	Cost of mate- rials.	Value of prod- ucts.
	year.	lísh- ments	age num- ber).	horse- power.		sed in th of dollar	iousands s.		year.		age num- ber).	horse- power.	Expres	sed in th of dollars	ousand: s.
CITIES OF 50	,000 I	NHAE	ITANT	SORN	IORE-	ALL I	NDUSTR	LIES COMBINED AND SEI	ECT	ED IN	DUSTR	IES_C	ontinue	ed.	
LYNN-Con.								SOMERVILLE-Con.							
Lasts	$1919 \\ 1914 \\ 1909$	8 8 5	347 234 81	619 447 187	400 153 61	$ \begin{array}{r} 441 \\ 105 \\ 75 \end{array} $	$1,479 \\ 389 \\ 266$	Lumber, planing-mill prod- ucts, not including planing mills connected with saw- mills.	1919 1914	3 5	35 59	238 250	46 46	49 83	14 16
Leather, tanned, curried, and finished.	1919 1914 1909	11 9 8	$1,041 \\ 633 \\ 1,062$	2, 301 1, 450 1, 185	1,270 317 457	$10,602 \\ 3,020 \\ 4,009$	$15,824 \\ 3,849 \\ 5,094$	Printing and publishing	1919 1914 1909	16 17 14	35 44 43	40 37 32	38 39 24	41 22 17	14- 11- 7
Lumber, planing-mill prod- ucts, not including planing mills connected with saw-	1919 1914 1909	5 5 6	21 87 129	158 285 363	35 61 82	54 134 188	124 277 330	Slaughtering and meat pack- ing.4	$1919 \\ 1914 \\ 1909$	5 6 7	3, 290 2, 309 2, 292	$\begin{array}{c} 6,011 \\ 4,198 \\ 3,308 \end{array}$	$^{4,113}_{1,420}_{1,236}$	78,618 32,424 27,866	84, 74 36, 33 31, 27
mills. Mineral and carbonated waters.	1919 1914	4	23 21	36 17	22 16	94 25	179 67	All other industries	1919 1914 1909	73 67 59	2,315 2,689 2,731	8,660 4,039 4,213	2,337 1,625 1,496	$\begin{array}{c} 6,801 \\ 3,314 \\ 3,676 \end{array}$	11,86 6,16 6,71
Models and patterns, not including paper patterns.	1919 1914	12 10	43 41	46 30	67 33	27 14	196 94	SPRINGFIELD	1919	401	18,429		19.796	47,803	
Printing, job	1919 1914 1909	$20 \\ 21 \\ 21 \\ 21$	138 145 146	$152 \\ 135 \\ 104$	127 83 81	177 124 118	501 345 298	All industries.	1914 1909	395 346	14,240 11,855	31,624 24,418 17,744	9,350 6,867	21,915 14,363	98,33 44,42 31,77
All other industries	1919 1914	93 92	11,081 9,442	20,492 15,190	13,473 5,516	10,186	41,316 18,150	Automobile bodies and parts.	1919 1914	6 6	$\frac{434}{173}$	127 107	556 147	345 149	1,76
	1909	101	8,633	9,009	4,888	6, 527	16,109	Brass and bronze products	1919 1914 1909	5 6 7	$ \begin{array}{r} 694 \\ 176 \\ 164 \end{array} $	2,260 145 129	006 117 104	$1,293 \\ 279 \\ 246$	3,46 48 43
NEW BEDFORD All industries.	1919 1914 1909	267 233 207	41,030 33,343 20,506	150,248 112,151 76,147	40,012 16,558 12,598	122, 571 37, 574 28, 564	210, 773 65, 575 53 238	Bread and other bakery products.	1919 1914 1909	58 40 27	441 286 127	772 350 52	481 191 83	2,898 756 356	4,34 1,41 61
Bread and other bakery products.	1919 1914 1909	55 58 44	417 349 289	257 247 99	431 186 160	1,449 741 548	2,409 1,219 1,023	Confectionery and ice cream	1919 1914	12 10	369 346	501 378	257 160	1,666 733	2,64 1,22
Confectionery and ice cream.	1919 1914	9 6	56 22	260 53	49 16	309 137	445 195	Copper, tin, and sheet-iron work.	1919 1914	13 9	50 57	18 10	57 46	103 49	22 13
Cotton goods	1919 1914 1909	31 29 22	35,206 28,719 22,141	134,086 102,918 68,155	33, 186 13, 716 10, 115	104,654 30,318 23,290	177,059 51,766 42,505	Electrical machinery, appa- ratus, and supplies.	1919 1914 1909	10 7 5	1,438 545 154	1,219 869 198	1,674 533 82	2,391 3,118 63	7,27 4,01 19
Foundry and machine-shop products. ¹	1919 1914 1909	30 18 16	496 302 276	605 591 1,019	542 190 176	655 229 192	1,707 522 454	Fancy articles, not elsewhere specified.	1919 1914 1909	3 4 5	48 74 50	1 3 23	29 20 21	37 43 30	10 11 10
Lumber, planing-mill prod- ucts, not including planing mills connected with saw-	1919 1914 1909	- 6 6 8	65 72 171	666 375 759	66 49 93	185 135 232	296 212 412	Foundry and machine-shop products. ⁵	1919 1914 1909	52 50 39	2,033 1,485 1,554	8,173 3,150 3,488	2,778 1,055 973	2,574 1,099 1,027	9,41 3,40 3,00
mills. Marble and stone work	1919 1914	6 11	26 23	88 55	29 27	18 13	90 59	Mattresses and spring beds, not elsewhere specified.	1919 1914	3 6	22 66	$\begin{array}{c} 43\\234\end{array}$	20 34	$75 \\ 102$	12 17
Mineral and carbonated waters.	1919 1914 1909	7 8 3	41 28 20	25 44 12	42 16 14	229 42 29	385 80 53	Mineral and carbonated waters.	1919 1914 1909	6 8 6	35 18 12	67 17 12	31 13 7	106 27 19	18 6 5
Printing and publishing 2	1914	25 20	216 273 265	$501 \\ 511$	227 194	288 152	866 537	Models and patterns, not in- cluding paper patterns.	1919 1914	6 5	46 28	71 31	67 26	16 4	
Sausage, not made in slaugh- tering and meat-packing	1909 1919 1914	17	205 31 33	109 107 76	171 39 21	129 474 256	483 573 311	Paper goods, not elsewhere specified.	1919 1914	5 G	62 395	403 503	$\begin{array}{c} 71\\200\end{array}$	435 612	76 1,06
establishments. All other industries	1919 1914	82 71	5,076 3,522	$13,653 \\ 7,281$	5,401	14,310 5,551	26,943	Printing and publishing 6	1919 1914 1909	53 59 51	$792 \\ 1,166 \\ 1,025$	$ \begin{array}{c c} 1,656\\ 1,754\\ 1,632 \end{array} $	879 816 666	1,533 1,037 1,006	4,66 3,75 3,90
	1909	97	3,404	5,904	1,869	4,144	8,308	Tobacco, cigars	1919 1914	14 26	368 487	38 11	409 346	543 414	1,25
SOMERVILLE	1919 1914 1909	140 144 114	6,111 5,429 5,280	15,293 9,707 7,680	7,022 3,340 2,870	87,097 36,497 31,923	99,559 43,971 38,687	Tools, not elsewhere specified	1909 1919 1914	29 8 5	408 363 339	6 608 768	277 368 228	256 249 127	72 92 78 52
Bread and other bakery products.	1919 1914 1909	29 31 28	279 172 120	136 128 55	$ \begin{array}{r} 287 \\ 120 \\ 68 \end{array} $	$1,015 \\ 385 \\ 269$	1,653 668 429	All other industries	1909 1919 1914	4 147 142	287 11,234 8,599	648 20,667 16,082	185 11,213 5,409	154 33,539 13,366	61.04
Confectionery and ice cream	1919 1914	7.8	53 77	71 69	79 47	841 181	493 311		1909	173	8,068	11,556	4,469	11,206	26, 44 22, 22
Foundry and machine-shop products. ³	1919 1914 1909	7 10 6	104 79 94	137 86 72	$122 \\ 52 \\ 46$	232 88 95	523 210 197								

¹ Includes "automobile repairing"; "iron and steel, welding"; "machine tools"; "steam fittings and steam and hot-water heating apparatus"; and "textile machinery and parts." ¹ Includes "bookbinding and blank-book making" in 1914 and 1009. ³ Includes "automobile repairing"; "hardware"; aud "textile machinery and parts" in all years; and "steam fittings and steam and hot-water heating apparatus" in 1919. ⁴ Includes "sausage, not made in slaughtering and meat-packing establishments." ⁵ Includes "automobile repairing"; "iron and steel, welding"; "machine tools"; "plumbers' supplies, not elsewhere specified"; "steam fittings and steam and hot water heating apparatus"; and "structural iron work, not made in steel werks or colling mills," in all years; and "hardware" in 1914 and 1909. ⁶ Includes "bookbinding and blank-book making" in all years; "lithographing" in 1914 and 1909; and "engraving, steel and copper plate, including plate print-ing," in 1914.

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TABLE 39.-COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909-Continued.

WORCESTER 1010 All industries. 1914 1909 1919 cut stock and findings. 1919 Brass and bronze products 1919 1914 1909 Brass and bronze products 1919 1914 1909	estab- lish- ments [NHAI 606 580 114	Wage earn- ers (aver- ago num- ber). BITANT 38,673 29,452 28,221 1,301 967 829	94,712 71,984 53,405		of dollar		INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	earn- ers (aver- ago num-	Pri- mary horse- power.	Wages.	mate- rials.	prod- ucts.
CITIES OF 50,000 1 WORCESTER 1919 All industries. 1914 1919 cut stock and findings. 1919 Brass and bronze products 1919 1914 Bread and other bakery 1919	INHAI 618 606 580 114 12 11	num- ber). BITANT 38,673 29,452 28,221 1,361 967	power. 'S OR M 94,712 71,984 53,405	IORE-	of dollar	s.					nower.			-
WORCESTER 1010 All industries. 1914 1909 1914 cut stock and findings. 1919 Brass and bronze products 1919 1914 1909 Brass and bronze products 1919 1914 1909	$ \begin{array}{r} 618\\ 606\\ 580\\ \hline 114\\ 12\\ 11\\ \end{array} $	38,673 29,452 28,221 1,361 967	94,712 71,984 53,405			NDUSTR				ber).	power	Expres	sed in th of dollars	ousands s.
All industries.1914Boots and shoes, including cut stock and findings.1919Brass and bronze products191919141909Brass and bronze products191919141914	$ \begin{array}{r} 606 \\ 580 \\ \hline 1 14 \\ 12 \\ 11 \\ \end{array} $	28,221 1,301 967	53,405	44, 440 17, 633			IES COMBINED AND SEI	ECTI	ED IN	DUSTR	IES-C	ontinue	d.	
Brass and bronze products 1914 Brass and bronze products 1919 Bread and other bakery 1919	12 11	967		15, 295	106, 181 45, 794 42, 601	208, 706 82, 829 77, 148	WORCESTER-Con. Envelopes	$1919 \\ 1914$	7	1,267 1,182	807 773	1,117 520	3,772 1,603	6, 469 2, 863
Bread and other bakery 1919	4 4		$ \begin{array}{r} 619 \\ 444 \\ 399 \end{array} $	1, 210 528 469	4,662 1,909 1,466	7, 827 2, 773 2, 414	Foundry and machine-shop products. ⁸	1919 1914 1914 1909	101 89 89	8,399 6,038 6,503	15, 589 10, 916 6, 891	10, 556 4, 020 3, 841	14,150 4,543 4,793	2, 303 37, 709 12, 226 13, 219
proad and other and a		23 16	25 16	38 13	121 36	192 57	Furniture	1919 1914	4 3	36 63	70 60	40 45	-1.88 75 32	146 104
products. 1914 1909	51 71 67	308 397 413	388 330 160	386 232 207	1,920 917 877	$2,866 \\ 1,508 \\ 1,472$	Lumber and timber prod- ucts.4	1919 1914 1909	12 13 12	331 541 320	1,342 1,702 1,154	$388 \\ 382 \\ 195$	753 699 476	1,509 1,234 814
Carriages and wagons, in- cluding repairs. 1919 1914 1909.	3 10 12	35 78 71	66 128 63	46 58 51	85 57 62	171 170 160	Marble and stone work	1919 1914 1909	8 7 10	$17 \\ 140 \\ 227$	54 836 862	$23 \\ 100 \\ 218$	41 59 -93	120 262 383
Clothing, men's 1919 1914 1909	13 13 16	$174 \\ 240 \\ 288$	92 70 56	188 110 111	717 405 362	$1,238 \\ 668 \\ 556$	Mineral and carbonated waters.	1919 1914 1909	7 7 7	22 39 53	93 58 49	27 31 22	48 62 35	117 141 83
Clothing, women's 1919 1914 1909	21 19 18	545 834 1,060	224 224 219	392 315 371	1,694 924 1,081	$2,702 \\ 1,652 \\ 1,942$	Models and patterns, not in- cluding paper patterns.	1919 1914	7 4	43 24		70 19	20 7	134 38
Confectionery and ice cream. 1919 1914	12 13	59 46	132 42	67 33	444 124	695 239	Musical instruments, plano and organ materials.	1919 1914	5 4	712 351	535 688	780 214	$1,014 \\ 246$	2,260 596
Copper, tin, and sheet-iron 1919 products. ² 1914 1909	17 17 10	441 518 195	583 1,317 247	531 318 113	702 472 166	1,757 1,191 411	Printing and publishing 5	1919 1914 1909	59 59 53	790 690 585	687 939 384	852 451 392	042 448 371	3,328 1,629 1,233
Corsets 1919 1914	777	$1,228 \\ 1,711$	624 626	84 3 641	2,388 1,394	5, 235 3, 434	Sausage, not made in slaugh- tering and meat-packing establishments.	1919 1914	4 4	26 39	81 77	31 29	$371 \\ 226$	458 277
Cotton goods	5 4 4	486 171 254	1,200 283 425	434 99 98	3, 819 465 680	5, 864 706 883	Tobacco, cigars	$\begin{array}{c} 1919 \\ 1914 \\ 1909 \end{array}$	9 18 20	66 83 65	6 5 2	71 51 37	104 72 42	225 163 117
Cutlery and tools, not else- where specified.	23 12 11	1,030 337 409	1,728 1,100 1,104	1, 169 276 241	$1,409 \\ 198 \\ 214$	4,153 657 569	Wirework, not elsewhere specified. Wood, turned and carved	1919 1914 1919	6 9 5	552 1,000	468 1,280 111	481 554 47	559 1,237	1,751 2,604
Dyeing and finishing tex- tiles, exclusive of that done in textile mills. 1919	3 4 3	206 260 144	310 685 325	158 127 74	530 460 146	1,016 748 296	Woolen and worsted goods	1914 1919	5 4 13	53 16 1,487	60 3, 807	6 1,404	32 6 4,839	109 18 8,865
Electrical machinery, appa- ratus, and supplies. 1919	10 4	685 118	402 49	676 49	1,780 138	3,111 271	All other industries	1914 1909	$\begin{array}{c} 12\\15\\100\end{array}$	1,583 1,722	3,529 3,990	602 689 22, 202	2,292 3,200	3, 585 4, 460
Electroplating 1919 1914	8 5	115 33	214 91	117 18	50 12	305 45	All other industries	$\frac{1919}{1914}\\1909$	$180 \\ 172 \\ 222$	18,110 11,871 15,083	64,300 45,615 37,075	7, 606 8, 166	59, 134 20, 751 28, 537	108,374 42,970 48,136
	CI	ries o	F 10,000) T O 5	0,000 IN	HABITA	NTS-ALL INDUSTRIES (OMB	INED.					
ADAMS	32 35 31	3,974 3,930 3,991	14,120 12,673 10,173	3, 524 1, 793 1, 719	8, 140 3, 797 3, 082	$15,077 \\ 6,530 \\ 6,410$	Снісорее	1919 1914 1900	00 62 58	10,068 8,426 7,260	30, 523 22, 907 18, 738	$12,502 \\ 5,131 \\ 3,090$	40,458 17,118 10,952	89,773 28,869 19,219
AMESBURY 1919 1914	44 59	$\substack{3,173\\1,451}$	$^{4,003}_{1,641}$	3,847 1,009	$9,417 \\ 1,805$	16,310 3,551	CLINTON	1919 1914	33 36	4,155	$13,021 \\ 9,031 \\ 10,020$	4,088 1.884	8,270 3,610	15,180 6,735
ARLINGTON. 1919 1914 1909	27 19 19	228 246 283	849 542 851	238 185 177	423 277 311	$1,006 \\ 641 \\ 695$	Dedнам	1909 1919 1914	89 20 15	4,123 463 256	10,882 2,033 1,090	1,872 419 120	4,216 814 211	7,845 1,738 428
ATTLEBORO	144 151 128	6,763 6,058 6,429	7,789 7,486 5,991	7,263 3,518 3,763	18,570 7,379 6,813	34, 472 13, 947 15, 160	Everett	1919 1914 1909	$104 \\ 85 \\ 62$	4,523 3,226 2,680	17,409 10,908 7,816	$^{4,635}_{2,047}_{1,508}$	19,059 8,511 4,500	35,776 13,219 8,747
BEVERLY	70 67 63	8,495 4,641 4,487	5, 190 4, 659 3, 778	8, 419 3, 356 2, 929	8,738 3,166 3,291	21,830 8,774 8,653	FITCHBURG	1919 1914 1909	121 137 122	9,007 8,837 8,497	45,988 38,371 28,754	$10,520 \\ 4,815 \\ 4,231$	36,055 15,097 14,442	58,165 23,983 23,252
BROOKLINE	32 21 16	484 335 340	203 323 339	484 239 194	$^{1,042}_{218}$ 196	2,243 659 532	Framingham	1919 1914 1909	59 49 27	4,302 3,982 3,069	6,940 6,058 4,486	4,138 2,257 1,440	$10,350\ 4,447\ 3,411$	18,842 8,727 6,917
CHELSEA	123 123 110	6,580 6,241 5,954	13,797 7,031 8,339	6,924 3,854 3,326	$16,703 \\ 9,415 \\ 10,569$	32,537 16,971 17,002	Gardner	1919 1914 1909	73 64 52	4,036 3,984 3,617	6,195 5,046 5,031	3,936 2,084 1,774	5,186 3,079 2,833	13,600 7,450 6,485

¹ Excludes statistics for 2 establishments manufacturing boot and shoe findings, to avoid disclosure of individual operations.
 ² Includes "stamped ware, not elsewhere specified."
 ³ Includes "automobile repairing"; "engines, steam, gas, and water"; "gas and water meters"; "hardware"; "iron and steel, tempering and welding"; "machine tools"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts" in all years; "steam fittings and steam and hot-water heating apparatus" in 1919 and 1909; and "plumbers' supplies, not elsewhere specified," in 1914 and 1909.
 ⁴ Includes "boxes, wooden packing, except eigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "window and door screens."
 ⁵ Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."

TABLE 39.-COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909-Continued.

															
CITY.	Cen- sus	Num- ber of estab- lish-	Wage earn- ers (aver- age	Pri- mary horse-	Wages.	Cost of mate- rials.	Value of prod- ucts.	CITY.	Cen- sus	Num- ber of estab-	Wage earn- ers (aver-	Pri- mary horse-	Wages.	Cost of inate- rials.	Value of prod- ucts.
	year.	ments	num- ber).	power.	Expre	ssed in tl of dollar	nousands s.		year.	lish- ments	age num- ber).	power.	Expres	ssed in th of dollars	iousands s.
	C:	ITIES	OF 10,0)00 тО (50,000 I	NHABI	TANTS-	ALL INDUSTRIES COMBI	NED	Conti	nued.				
GLOUCESTER	1919 1914 1909	90 87 102	2,684 2,814 2,181	2, 943 2, 682 2, 427	2,614 1,337 1,042	12,709 5,590 4,770	18,804 8,534 7,753	Plymouth.	1919 1914 1909	31 37 32	2, 971 2, 845 2, 912	10,872 9,229 6,239	3,005 1,481 1,416	21, 497 10, 123 8, 475	31, 320 13, 905 11, 618
GREENFIELD	$1919 \\ 1914 \\ 1909$	53 50 47	2,750 1,602 1,251	${}^{4,914}_{2,544}_{2,327}$	3,110 877 701	2,840 1,422 1,034	$9,481 \\ 3,527 \\ 2,801$	QUINCY.	1919 1914 1909	162 177 183	19, 653 5, 783 5, 492	19,348 10,153 9,147	34,830 4,584 3,434	24,175 5,088 3,844	68, 535 12, 097 10, 505
LEOMINSTER	1919 1914 1909	92 89 94	5,793 4,929 5,601	7,696 6,408 5,890	5,519 2,574 2,794	$13,844 \\ 5,410 \\ 5,576$	24,929 10,838 10,531	REVERE	1919 1914 1909	31 27 14	126 80 101	738 675 548	$155 \\ 69 \\ 54$	449 220 292	767 350 407
Malden	1919 1914 1909	108 92 86	4,723 2,850 2,900	7,425 3,547 3,433	$4,276 \\ 1,477 \\ 1,346$	9,645 3,249 4,388	$22,078 \\ 8,366 \\ 8,206$	SALEM	1919 1914 1909	153 178 155	5,672 5,294 6,338	$13,504 \\ 11,802 \\ 11,436$	5,904 2,803 2,893	16,927 8,145 8,640	30,438 13,653 14,576
MARLBOROUGH	$1919 \\ 1914 \\ 1909$	48 43 59	3,798 3,822 4,265	$1,767 \\ 2,332 \\ 2,721$	4,034 2,119 2,224	$13,155 \\ 6,408 \\ 6,375$	19,045 9,984 10,382	Southbridge	1919 1914 1909	41 35 36	5,329 4,332 4,037	9,132 8,995 7,636	4,605 2,272 1,805	7,482 3,288 3,125	18,253 7,366 6,269
Medford	1919 1914 1909	54 54 40	1,031 559 560	2,139 1,495 1,123	981 355 331	3,189 1,855 1,250	5,686 2,619 2,045	TAUNTON	1919 1914 1909	$167 \\ 115 \\ 146$	8,981 7,371 7,407	25,340 20,997 19,141	9,013 4,135 3,834	27,787 8,106 7,775	48,331 15,886 15,380
MELROSE	1919 1914 1909	27 26 25	$1,606 \\ 962 \\ 1,038$	1,777 1,582 1,535	$1,327 \\ 484 \\ 493$	$3,077 \\ 1,334 \\ 1,589$	${}^{6,084}_{2,499}_{2,825}$	WAREFIELD	1919 1914 1909	32 22 23	1,869 2,008 2,230	$1,538 \\ 1,831 \\ 1,729$	1,921 1,196 1,046	5,582 3,144 2,835	8,977 6,058 5,527
METHUEN	$\begin{array}{c} 1919 \\ 1914 \\ 1909 \end{array}$	33 25 19	2,571 1,940 1,572	$10,625 \\ 6,247 \\ 5,772$	2,405 855 689	9,074 2,951 2,226	$14,215 \\ 4,461 \\ 3,476$	WALTHAM	1919 1914 1909	93 88 80	8,069 6,465 6,037	9,823 7,926 7,583	8,190 4,005 3,288	6,834 3,815 2,444	20,879 10,237 7,814
Milford	1919 1914 1909	48 59 53	1,809 1,749 1,801	2,020 2,137 2,410	1,819 992 945	4,846 2,298 2,389	8,409 4,028 4,442	WATERTOWN	1919 1914 1909	25 30 25	8,420 4,787 4,335	18,390 4,377 4,862	9,029 2,855 2,235	19,734 6,694 6,463	47,298 14,764 11,546
NATICE	1919 1914	49 38	$1,463 \\ 1,347$	2,178 1,017	1,382 745	4,953 3,318	7,393 4,566	WEBSTER	1919 1914 1909	24 23 22	3,849 3,246 3,019	7,543 6,130 6,454	3,921 1,471 1,293	18,791 6,983 6,976	28,401 9,234 10,027
NEWBURYPORT	1919 1914 1909	64 54 74	3,960 3,349 3,215	6,417 4,412 3,820	3, 911 1, 656 1, 642	12,680 4,757 3,781	20,595 8,246 6,931	WESTFIELD	1919 1914 1909	85 100 91	3,243 3,584 3,060	7,253 4,046 3,541	3,115 2,127 1,695	6,941 3,434 2,868	14,279 8,420 7,362
NEWTON	1919 1914 1909	49 58 46	$2,547 \\ 2,154 \\ 2,174$	5,536 5,576 4,153	2,613 1,185 1,125	8,428 3,142 3,383	15, 525 5, 823 6, 279	WEST SPRINGFIELD	1919 1914	23 29	2, 791 2, 209	11,260 12,131	3,569 1,531	6,385 2,410	12,387 5,040
NORTH ADAMS	1919 1914 1909	65 70 60	6,023 5,288 5,414	14,049 12,946 11,928	5,631 2,775 2,567	22,286 5,697 5,576	36, 204 10, 923 10, 315	Weymouth	1919 1914 1909	34 40 41	2, 146 2, 074 1, 991	2,352 2,649 1,902	2,235 1,195 1,110	11,129 5,058 4,204	16,837 8,251 6,627
NORTHAMPTON	1919 1914 1909	63 75 71	3,532 3,446 3,150	6,687 7,531 6,139	3,306 1,960 1,503	9,351 3,888 3,163	17, 961 8, 581 6, 999	WINCHESTER	1919 1914 1919	17 19 19	1, 112 1, 048 61	2,188 1,644 71	1,295 643 49	6,221 3,602 203	9,698 5,159
PEABODY	1919 1914 1909	91 77 74	8,013 5,485 4,850	19, 134 15, 764 9, 981	10,234 8,072 2,638	31,316 12,243 10,192	52, 907 18, 442 15, 549	WINTHROP	1914 1909	10 7	16 7	197 41	11 5	38 25	330 78 42
PITTSFIELD	1919 1914 1909	90 84 71	8,570 7,490 6,353	18,945 15,989 8,301	10,200 4,683 3,718	19,718 9,129 8,528	41, 613 22, 241 15, 215	WOBURN	1919 1914 1909	53 57 59	2,011 1,565 1,653	5,942 3,880 3,560	2,376 915 932	7,550 3,351 3,114	13,980 5,518 5,408

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

			PERSO	NS ENG	YGED IJ	1 THE IN	DUSTRY.	-		E EARN				L
			Sala-	Clerk	s, etc.		Wage earno	ers.		16 and	l over.	Und	er 16.	
Num- ber of estab- lish- ments	Total.	Pro- prie- tors and	ried offi- cers, super- in- tend- ents,	Male.	Fe- malo.	Aver- age num- bor.	Number, 1	5th day of— Minimum month.	Total.	Male.	Fe- male.	Male.	Fe- male.	Capital.

		1.000	P10 591	9,451	95 678	32, 788	30, 768	713, 836	De 765,746	Fe 677	.294	(8)	(8)	(8)	(8)	(8)	Dollars. 2,947,108,527	Ī
1 2	All industries 1 Aluminum manufactures Animunition		812, 521 122	5	6 30	5 73	30,703 3 111	103 2,449	Oc 125 Ja 9,111	Ja	76 323	117 1,778	72 707	43	30	2 10	172, 464 7, 128, 069	
3 4 5	Ammunition Artificial lumbs. Artificial stone products Artists' materials. Automobile bodies and parts Automobile repairing. Awnings, tents, and sails Reas. other than repar. not includ.	11 34	$2,663 \\ 47 \\ 231$	8 30 3		3 5 4	3 8 1	28 176 47	Au 32 Jy 4 210 No 58	Ja ⁴ Fe My	25 127 36	$25 \\ 197 \\ 55$	$25 \\ 196 \\ 24$	$\frac{1}{20}$	····· 9		116, 930 509, 037 127, 020	1.
6 7 8	Artists' materials. Automobile bodies and parts. Automobiles.	3 88 8	$58 \\ 4,026 \\ 1,267 \\$	$\frac{67}{2}$	147 94	111 106	160 76	3, 541 989	De 3,856 De 1,460	Jo 3,	$521 \\ 521$	4,177 1,460 1,620	3,953 1,430 1,596		44 6 7	ī 	9,061,243 7,271,507 2,707,250	
9 10 11	Automobile repairing. Awnings, tents, and sails Bags, other than paper, not includ-	$279 \\ 47 \\ 6$	2,057 395 166	$247 \\ 47 \\ 4$		85 17 3	83 31 13	$1,582 \\ 275 \\ 140$	Je 1,687 Je 390 Au 209	Ja 1, Fe De	198	251 164	171 29	80 119		16	750, 694 657, 486	
12	Bags, other than paper, not includ- ing bags made in textile mills. Bags, paper, not including bags made in paper mills.	4	183	4	5	3	. 9	162	De 191	My	140	191	79	101	3	8	539, 382	
13 14		13 4 3	$342 \\ 135 \\ 2,936$	13 1	10 10 35	3 2 279	5 9 181	311 113 2,441	Se 4 390 De 122 De 2,851	Fe Ja Je 2	231 101 ,026	$390 \\ 126 \\ 2,851$	$ \begin{array}{r} 148 \\ 72 \\ 2,315 \\ \end{array} $	$199 \\ 49 \\ 487$	$28 \\ 4 \\ 22 \\ 7 \\ 7 \\ 100 \\ $	$ \begin{array}{c} 15 \\ 1 \\ 27 \end{array} $	351, 508 670, 817 17, 654, 898	
15 16 17	Belting, leather Billiard tables and accessories	20 7 56	364 50 1,011	$ \begin{array}{c} 7 \\ 7 \\ 52 \end{array} $	30 2 53	37 133	181 21 2 87	269 39 686	De 309 Se 4 43 My 718	Au Ja Ja	243 31 611	309 41 707		20 	7 1 7	 	$\begin{array}{r} 1,945,268\\ 137,451\\ 2,605,600 \end{array}$	
18 19 20 21	Bashets, and rattan and willow ware. Bolting and hose, other than rubber. Belting and hose, rubbar. Belting, leather. Billiard tables and accessories Blacking, stains, and dressings. Bookbinding and blank-book making. Boot and shoe cut stock.	94 182	3, 334 5, 331 6, 868	83 183 245	97 229 326	116 141 158	102 147 243	2,936 4,631 5,896	De 3,097 Oc 4,871 De 6,001	Ja 2 Ja 4 Ja 5	, 709 , 420 , 291	3,112 4,782	1,446 3,488 4,258	1,461 1,095 2,139	$ \begin{array}{r} 129 \\ 151 \\ 115 \\ \end{array} $	$ \begin{array}{r} 76 \\ 48 \\ 108 \end{array} $	$5,016,995 \\31,739,186 \\18,485,738$	
22	Boots and shoes, not including rub-	493	89,489	315	2, 923	2,203	3,882	80,160		• • • • • • • • •	•••••	· 1	52, 397	31, 485	1,971	1,515 1,498	202, 662, 610 202, 400, 246	
$23 \\ 24 \\ 25$	Regular factory products Contract work	$456 \\ 10 \\ 16$	88,907 186 288 7	279 10 18	2,900 12 3	2,200	3,869 4 5	79,659 160 262	De 86,067 No 240 De 294	AD	90 228	304	52,157 194 15 2	19 19 280 2	17	39	52, 323 66, 809 4, 663	
25 26 27 28	Stitching Crimping and buttonholes Moccasins and overgaiters Boots and shoes, rubber	3 8 8	7 101 15,195	3 5	 8 320	3 1,078 1	4 735	4 81 13,062	My 4 5 No 119 De 14,435	Fe Je 11	33 33 755	$\begin{array}{c} 4 \\ 112 \\ 14,441 \end{array}$	$20 \\ 8,314$	75 5,752	3 180	189	138, 509 43, 582, 806	
29 30	Boxes, cigar Boxes, paper and other, not elsewhere specified.	4 - 102	187 5, 259	2 66	$\begin{smallmatrix}&12\\209\end{smallmatrix}$	73	4 200	4,711	D6 191		139	191 5,200	76 1,774	2, 968	9 107	$\begin{array}{c} 17\\351\end{array}$	252, 834 8, 255, 874	
31 32 33	Set-up paper boxes Cartons and shipping containers. Boxes, woodon packing, except cigar	87 15 75	4, 320 039 3, 550	62 4 48	$ \begin{array}{r} 167 \\ 42 \\ 134 \end{array} $	36 37 52	137 63 84	3,918 793 3,232	Do 4,244 Do 919 Do 3,496		3, 522 719 3, 048	4,281 919 3,517	1,263 511 3,044	2,619 849 395	$^{94}_{13}_{54}$	$ \begin{array}{r} 305 \\ 46 \\ 24 \end{array} $	5, 230, 640 3, 019, 234 9, 288, 276	
34 35	boxes. Brass, bronze, and copper products. Brass and bronze products	72 67	3, 217 3, 185	59 55	$157 \\ 155 \\ 2$	96 95	73 71 2	2,832 2,809 23	De 3,004	My 2 Ja 4	583	$3,040 \\ 3,012 \\ 28$	2,960 2,937 23	$59 \\ 54 \\ 5$	17 17	4 4	12,253,619 12,154,359 99,260	
34 35 36 37 38 39	Copper and all other products Bread and other bakery products Biscuit and crackers	13	$ \begin{array}{r} 32 \\ 11,381 \\ 2,256 \end{array} $	1,391 4	247 53	1 793 200	367 62	8,583 1,937	De 28 De 2,092	Mh i	744	9,135 2,104 7,031	6, 535 1, 000 5, 535	2,455	54 4	91 52 39	20,652,963 5,285,562 15,367,401	
39 40	Brick and tile, terra-cotta, and fire-	1,298 35	9, 125 830	1,387 18	194 45	593 19	305 9	6, 646 739	No 6,976			899	890	1,407	50 9		2,467,083	1
41 42	Building brick. Fire brick, stove lining, and	29 6	592 238	18	34 11	7 12	6 3	527 212	Au 897 No 239		126 183	664 235	664 226		9		1, 489, 851 977, 232	2
43 44 45	Broshes. Butter.	20	147 1,817 81	25 20 7	4 60 14	7 48 2 5	4 76 7	107 1,613 51	Oc 119 De 1,858 Au 60	Fe Ap Fe	86 1,438 44	119 1,800 52	$102 \\ 1,024 \\ 50$	9 826 2	8 8	2	382, 834 5, 644, 865 275, 310	5
46 47	Durktone	4 17	438 1,623 17	17 8 5	18 39 3		13 59	385 1,464 8	No 425 Do 1,651 No 10	Ja	$^{320}_{1,249}$	420 1,693 14	204 1,488 8	201 183 6	7 10	8 12	786,188 7,104,155 35,354	5
48 49 50	Carning and preserving, fish Card cutting and designing Carpets and rugs, other than rag Carpets, rag.	10 19 7	8,305 111 95	0 20	51 5	108 4	66 1 2	3,134 81 75	Au 3,720 Je 92 Se 4 8	i Fe 1 Ja	2, 410 65 60	4,058 80 83	2,162 61 74	1,552 14 2	165 9 7	179 2	14, 435, 308 63, 797 185, 280	
51 52 53	Carriages and sleds, children's Carriages and wagons, including		1, 593 508	10 8 49	56	54	26 • 10	1,449	Åp 4 1, 52	0 0e		1,580 415	1,346 412	173	37	24	2, 934, 255 879, 341	5
$54 \\ 55$	Repair work only	. 11	438 70	36 13	3	1	7	366 50	Mh 40 My 58 Mh 1,938	Ja Ja 4	302 45	368 47	366 46	1	2		760, 190 119, 151 2, 855, 884	1
56	and repairs by electric-railroad companies.	30			. 27		17	1,840				1, 813	1,796	16	1			
57	and repairs by steam-railroad		8, 260		- 220		71		De 8,10		7,414	8, 101	8,044	49	8		9,607,970	
59 59 60	Chemicals	27 6 37	3,054 2,223 176	1	. 45	117	184 54 20	2,007	De 2,72 Se 2,14) Mh 4 My	2,329 1,844	2,731 1,887 80	2,150 1,358 59	571 502 19	12 2	8 15	16, 319, 388 14, 871, 200 654, 000	
61 62 63	Cleansing preparations. Metal polish		82 59	87	9 7 7	13 10	12 9	40 26	No 3) Jo	36 24 12	38 29 13	32 17 10	6 10 3	2		401, 180	0
64	Li Cloeks	36	363		- 16	22		311) Jy 7 Ja i	270 43	349 57 7,934	271 55 3,403	60 2 4,446	12 22	63	821, 434 30, 710 21, 798, 28	407
61 61 61	Regular factory products	131 69	6,557	149	200 111	281 175	180	5,747		2 Ja	2,461	6,720 3,599	2,774 1,909	3,870	10	57	$\begin{array}{c} & 30, 300 \\ 821, 433 \\ 30, 710 \\ 21, 798, 283 \\ 21, 617, 414 \\ 10, 824, 253 \\ 10, 793, 16 \\ 10, 93, 16 \end{array}$	43
6 7 7	 Men's and youths' 	- 76	1,212	96		2	3	1,109	De 1,18		1,012 1,012	$\begin{array}{c c}3,121\\1,214\\1,189\end{array}$	628	2,227 576 552	10 3 3	6	1 100,010	
7	2 All other 1 Includes water wheels and turbines		1 6	1		 water s	upplv)				by w	25 ater from		24 ains).	1	.	പ മംസ	

THE STATE-ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

All other polishing preparations -Clocks. Cloth, sponging and refinishing.... Clothing, men's. Regular factory products. Men's and youths'. All other Contract work. Men's and youths'. All other ¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from eity mains). ² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919.

			EXPI	NSES.								PC	OWER.			
Sala	aries and w	ages.		Rent an	d taxes.	For mat	terials,				Prin	ary hor	sepowe	r.		Elec-
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufac- ture.	Total.	Stéam en- gines (not tur- bines)	Own Steam tur- bines.	Inter- nal- com- bus-	Wa- ter pow- er. ¹	Rent- ed.3	tric horse- power gener- ated in estab- lish- ments report- ing.

			TE	IE STATI	EALL I	NDUSTRII	ES COMBI	NED AND	SPECIFIEI	O INDUS	TRIES						
Dollars. 100,235,820	Dollars. 83, 199, 585	Dollars. 706, 023, 337	Dollars. 22, 744, 566	Dollars, 12, 835, 105	Dollars. 150,635,915	Dollars. 2,188,353,757	Dollars. 72, 359, 279	Dollars. 4,011,181,532	Dollars. 1,750,468,496	1,729,878	694, 531	270, 401	11, 227	189, 302	564, 417	424, 274	1
$\begin{array}{c} 12, 217\\ 125, 780\\ 7, 221\\ 25, 584\\ 6, 240\\ 574, 025\\ 248, 592\\ 149, 437\\ 59, 050\\ 30, 804 \end{array}$	16, 646 197, 189 6, 258 11, 335 3, 664 282, 180 176, 809 186, 701 43, 704 18, 800	$\begin{array}{c} 84,102\\ 2,403,507\\ 25,054\\ 101,732\\ 20,483\\ 4,589,609\\ 1,230,542\\ 2,044,460\\ 208,074\\ 100,079\end{array}$	716 826 2,837 22,214 9,500 30 400	5,0487384,5278,3421,170102,4861,200203,35941,2208,457	$\begin{array}{r} 3, 157\\ 1, 092, 037\\ 586\\ 9, 709\\ 1, 356\\ 258, 177\\ 708, 358\\ 88, 343\\ 13, 150\\ 5, 411\end{array}$	$\begin{array}{c} 222, 668\\ 1, 050, 372\\ 25, 717\\ 277, 594\\ 40, 247\\ 6, 530, 037\\ 9, 506, 827\\ 1, 948, 460\\ 879, 956\\ 1, 548, 587\\ \end{array}$	$\begin{array}{c} 6,809\\ 117,036\\ 1,765\\ 9,370\\ 2,499\\ 181,258\\ 62,979\\ 95,160\\ 7,332\\ 3,264 \end{array}$	$\begin{array}{r} 305, 447\\ 5, 961, 300\\ 105, 741\\ 677, 088\\ 121, 067\\ 14, 483, 382\\ 12, 548, 222\\ 5, 972, 500\\ 1, 542, 767\\ 1, 815, 651\\ \end{array}$	$\begin{array}{c} 165,970\\ 4,703,982\\ 78,259\\ 390,124\\ 78,311\\ 7,771,487\\ 2,978,416\\ 3,928,880\\ 655,479\\ 263,800\end{array}$	173 2,694 65 260 76 3,281 1,160 1,424 118 177	50 20 715 125	225	28 12 32 125		$173 \\ 644 \\ 65 \\ 232 \\ 44 \\ 2,309 \\ 1,035 \\ 1,299 \\ 118 \\ 177 \\ 177 \\ 177 \\ 177 \\ 177 \\ 100 \\ $	270 40	2 3 4 5 6 7 8 9 10 11
17, 131 30, 318	10, 107 15, 678	124, 945 245, 607		4, 985 3, 373	5, 818 16, 056	776, 075 324, 824	7, 677 6, 922	1, 100, 519 767, 655	316, 767 435, 909	423 250	216 50		•••••	 80	207 120		12 13
60, 840 259, 048 147, 389 6, 500 280, 511 352, 606 1, 101, 345 1, 191, 032 10,832,017	12,077 642,415 74,385 1,850 342,922 209,073 489,408 465,351 9,705,030	$\begin{array}{c} 120,102\\ 2,302,529\\ 328,639\\ 46,597\\ 687,197\\ 2,595,018\\ 4,452,302\\ 5,646,725\\ 80,489,715\end{array}$	3, 401 22, 083 24, 808 690, 853 846, 033	10, 189 27, 715 10, 091 61, 632 156, 021 275, 696 288, 671 1, 299, 829	57, 240 517, 005 36, 950 2, 801 176, 051 133, 420 798, 413 655, 409 8, 025, 857	$\begin{array}{r} 324,824\\656,182\\7,398,989\\2,911,870\\113,620\\4,137,123\\2,975,746\\60,295,897\\28,128,828\\267,787,050\end{array}$	$17, 237 \\383, 468 \\17, 676 \\1, 695 \\34, 682 \\57, 263 \\186, 069 \\257, 390 \\1, 563, 845$	$\begin{array}{c} 1,095,273\\ 13,859,748\\ 3,043,685\\ 242,177\\ 7,108,160\\ 8,179,841\\ 86,214,106\\ 44,357,147\\ 442,466,236\end{array}$	$\begin{array}{r} 421 \\ 6.077, 291 \\ 1,014, 139 \\ 126, 862 \\ 2,936, 355 \\ 5,146, 832 \\ 16, 732, 140 \\ 15, 970, 929 \\ 173, 115, 341 \end{array}$	540 10, 035 383 43 605 1, 368 3, 836 6, 572 87, 945	225 880 135 358 390 915 2,145 13,389	4, 355	2 20 28 20	135 40	$\begin{array}{c} 315\\ 4,800\\ 248\\ 43\\ 247\\ 976\\ 2,901\\ 4,264\\ 22,426\end{array}$	115 6,328 99 114 408 1,814	14 15 16 17 18 19 20 21 22
$10,797,127 \\ 15,300 \\ 3,990 \\ 15,600 \\ 912,428 \\ 32,635 \\ 819,673 \\ $	2, 147 3, 696 3, 547	$\begin{array}{c} 89,025,078\\195,230\\217,916\\4,630\\46,861\\12,762,706\\105,730\\3,547,093 \end{array}$	845, 985 48 16, 507	$\begin{array}{r} 1,282,932\\ 8,544\\ 5,309\\ 1,028\\ 2,016\\ 17,584\\ 1,380\\ 159,884 \end{array}$	8, 020, 517 859 348 40 4, 093 897, 013 41, 232 447, 111	$267, 509, 772 \\31, 808 \\43, 380 \\1, 572 \\200, 518 \\17, 069, 098 \\224, 176 \\7, 326, 070$	$1,552,629 \\ 5,566 \\ 3,976 \\ 284 \\ 1,390 \\ 552,041 \\ 3,425 \\ 136,820$	$\begin{array}{r} 441, 486, 092\\ 296, 612\\ 341, 083\\ 13, 192\\ 329, 257\\ 44, 307, 961\\ 484, 774\\ 15, 666, 081\end{array}$	$\begin{array}{c} 172,423,691\\259,238\\293,727\\11,336\\127,849\\26,686,822\\257,173\\8,202,591 \end{array}$	37, 685 148 76 10 26 21, 609 95 4, 166	13,389 5,970 60 1,050	2,070	20 	40 205	22, 168 148 76 10 26 15, 630 85 2, 896	1, 814 482 297	23 24 25 26 27 28 29 30
539, 383 280, 200 545, 752	196, 550 169, 095 155, 916	2, 778, 191 708, 002 3, 183, 412	16, 507 83, 108	129, 091 30, 703 61, 161	229, 012 218, 099 513, 635	4, 122, 413 3, 204, 257 8, 280, 165	110, 109 26, 711 91, 667	10, 011, 786 5, 654, 295 15, 050, 531	5, 770, 264 2, 423, 327 6, 678, 699	2, 733 1, 433 12, 450	1,000 50 10,005	250	15 	205 513	1, 518 1, 383 1, 604	205 92 1, 128	31 32 33
600, 710 603, 209 3, 450 825, 116 179, 332 645, 784 105, 330	$\begin{smallmatrix} 237, 158\\ 235, 628\\ 1, 530\\ 1, 572, 882\\ 346, 243\\ 1, 226, 639\\ 40, 079\\ \end{smallmatrix}$	3, 506, 249 3, 473, 883 32, 306 9, 330, 181 1, 373, 585 7, 902, 590 815, 617	17, 372 17, 372 721 721 54, 550	38, 662 37, 070 1, 592 665, 449 49, 028 616, 421 21, 741	904, 082 903, 502 580 787, 662 332, 490 455, 172 35, 972	$\begin{array}{c} 8,859,585\\ 8,789,024\\ 69,661\\ 39,510,796\\ 5,471,501\\ 34,030,295\\ 234,461 \end{array}$	507, 180 500, 976 6, 204 1, 075, 987 121, 970 954, 017 290, 027	$\begin{matrix} 16, 948, 199\\ 16, 817, 510\\ 125, 689\\ 66, 017, 267\\ 10, 953, 637\\ 55, 063, 630\\ 1, 817, 512 \end{matrix}$	$\begin{array}{c} 7,576,434\\ 7,526,610\\ 49,824\\ 25,430,484\\ 5,360,166\\ 20,070,318\\ 1,293,024 \end{array}$	15, 511 15, 419 92 7, 712 1, 738 5, 974 3, 026	3,610 3,610 2,465 1,605 860 1,492	200 200	47 20 27 38 		11, 639 11, 574 65 5, 209 133 5, 076 1, 465	00 60 1,432 895 537 15	84 35 36 37 38 39 40
70, 848 84, 482	15, 506 24, 573	578, 886 242, 231	54, 550	21, 741	25, 678 10, 294	111,678 122,783	229, 978 60, 054	1, 219, 196 598, 316	877, 545 415, 479	2, 482 544	1, 037 455		30 39		1,415 50	15	41 42
$\left(\begin{array}{c} 7,504\\ 317,688\\ 10,343\\ 47,263\\ 212,251\\ 2,820\\ 309,457\\ 5,718\\ 9,823\\ 235,301\\ 58,192\end{array}\right)$	$ \begin{bmatrix} 17,888\\169,726\\8,983\\15,014\\103,215\\3,271\\341,255\\6,190\\5,370\\188,584\\20,440 \end{bmatrix} $	$\begin{array}{c} 04,055\\ 1,342,304\\ 61,513\\ 310,097\\ 1,418,205\\ 7,008\\ 3,145,512\\ 07,321\\ 85,328\\ 1,414,180\\ 404,712 \end{array}$	3, 445 18, 103 2, 277 200 145 3, 211 116	$\begin{array}{c} 4,398\\ 44,201\\ 8,708\\ 9,402\\ 16,700\\ 1,528\\ 29,319\\ 5,780\\ 7,340\\ 1,305\\ 24,581\end{array}$	$\begin{array}{c} 8,107\\ 587,890\\ 4,088\\ 7,145\\ 110,285\\ 279\\ 343,072\\ 400\\ 3,122\\ 161,841\\ 12,799\end{array}$	$\begin{array}{c} 364, 389\\ {\bf 3}, 268, 496\\ {\bf 1}, 786, 101\\ {\bf 239}, 540\\ {\bf 9}, 337, 013\\ {\bf 20}, 785\\ {\bf 7}, 746, 326\\ {\bf 45}, 812\\ {\bf 147}, 451\\ {\bf 2}, 510, 194\\ {\bf 492}, 374 \end{array}$	$\begin{array}{c} 5, 148\\ 65, 394\\ 22, 393\\ 22, 701\\ 87, 471\\ 259\\ 275, 050\\ 2, 727\\ 8, 520\\ 40, 093\\ 28, 852\\ \end{array}$	$\begin{array}{c} 581, 289\\ 6, 857, 413\\ 2, 148, 354\\ 1, 017, 929\\ 12, 703, 206\\ 44, 795\\ 13, 503, 990\\ 190, 598\\ 348, 520\\ 5, 253, 729\\ 1, 323, 571\\ \end{array}$	$\begin{array}{c} 211, 752\\ 3, 523, 523\\ 339, 800\\ 755, 688\\ 3, 338, 782\\ 23, 751\\ 5, 572, 014\\ 142, 059\\ 102, 549\\ 2, 703, 442\\ 802, 345\\ \end{array}$	132 1,005 304 482 847 15 6,132 84 349 1,358 552	35 530 80 250 82 3, 820 237 700 65	175 50	31 45 56 5 20 19 	45 1,400 18 300	66 385 224 232 709 10 787 64 75 308 428	469 135 3, 395 	43 44 45 46 47 48 49 50 51 52 53
45, 423 12, 709 57, 308	16, 758 3, 682 108, 229	407, 045 57, 067 2, 446, 126	100 16 9, 282	16, 272 8, 309	10, 255 2, 544 56, 412	380,700 111,674 1,696,710	24, 464 4, 388 59, 688	1, 083, 435 240, 136 4, 504, 579	678, 271 124, 074 2, 748, 181	446 106 2,790	65 225	 	53 6		328 100 2, 565	18	54 55 56
639, 655	352, 863	11, 271, 695	. .		83, 229	9, 862, 210	428, 338	22, 637, 990	12, 347, 442	11, 259	7, 528	1,000	6	⁻	2, 725	6, 196	57
$\begin{array}{c} 475,417\\ 340,233\\ 75,115\\ 25,033\\ 23,811\\ 26,271\\ 40,530\\ 11,263\\ 813,462\\ 806,062\\ 493,142\\ 213,820\\ 6,500\\ 6,500\\ \end{array}$	$\begin{array}{c} 457,835\\ 413,706\\ 88,212\\ 55,641\\ 222,360\\ 10,202\\ 36,870\\ 1,040\\ 822,563\\ 818,073\\ 554,672\\ 203,306\\ 4,400\\ 4,400\\ \end{array}$		3,587 1,403 2,877 1,100 1,777 2,592,553 2,570,576 2,553,902 16,614 21,977 21,977	$\begin{array}{c} 30, 402\\ 37, 461\\ 17, 604\\ 7, 308\\ 5, 883\\ 4, 323\\ 10, 205\\ 312, 201\\ 274, 188\\ 195, 554\\ 78, 634\\ 88, 073\\ 37, 441\\ 632\\ \end{array}$	218, 243 1, 291 1, 282	$\left \begin{array}{c}7,561,738\\23,697,564\\727,205\\438,440\\149,645\\141,120\\270,919\\4,536\\23,446,641\\23,397,639\\15,378,682\\8,018,957\\8,018,957\\40,002\\48,852\\150\end{array}\right.$	$\begin{smallmatrix} 539, 679\\ 291, 586\\ 6, 186\\ 3, 571\\ 1, 534\\ 1, 081\\ 1, 534\\ 1, 436\\ 153, 421\\ 135, 621\\ 135, 621\\ 135, 621\\ 17, 800\\ 81, 191\\ 17, 800\\ 17, 572\\ 228 \end{smallmatrix}$	$\begin{array}{c} 17,305,166\\ 30,327,397\\ 1,392,617\\ 806,660\\ 279,066\\ 247,401\\ 840,870\\ 107,614\\ 41,475,028\\ 39,654,850\\ 26,891,877\\ 12,762,203\\ 1,820,948\\ 1,813,748\\ 7,200\\ \end{array}$	$\begin{array}{c} 9,203,749\\ 6,338,247\\ 669,226\\ 420,049\\ 127,837\\ 105,290\\ 101,642\\ 17,874,966\\ 16,120,820\\ 11,458,765\\ 4,662,056\\ 1,754,146\\ 1,747,324\\ 6,822\\ \end{array}$	$\begin{array}{c} 9,223\\ 5,711\\ 105\\ 20\\ 10\\ 147\\ 21\\ 1,878\\ 1,604\\ 849\\ 845\\ 184\\ 175\\ 9\end{array}$	2, 565 2, 662 50 514 544 330 214	3,225	175 150 17 7 10 35		$\begin{array}{c} 3,257\\ 2,509\\ 124\\ 98\\ 10\\ 62\\ 21\\ 1,334\\ 1,150\\ 631\\ 184\\ 175\\ 9\end{array}$	3,004 331 68 68 68 62 	58 59 60 61 62 63 64 65 65 67 68 67 70 71 72

⁸ No figures given for reasons stated under "Explanation of terms."

4 Same number reported for one or more other months.

TABLE 40 .- DETAILED STATEMENT OF ALL INDUSTRIES

and the second second

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					PERSC	NS ENG	AGED D	N THE IN	IDUSTRY.		WAG NEARE	E EARN ST REPI	TERS DE Resent.	C. 15, ATIVE	OR DAY.	
					Sala-	Clerk	s, etc.		Wage earno	ers.		16 and	l over.	Und	er 16.	
	INDUSTRY AND CITY.	Num- ber of estab-		Pro- prie-	ried offl- cers,				Number, 1	5th day of						Capital.
		lish- ments	Total.	tors and firm mem- bers.	tend- ents, and man- agers.	Male.	Fe- male.	Aver- age num- ber.	Maximum month.	Minimum month.	Total.	Male.	Fe- male.	Male.	Fe- male.	
!_	THE S	TATE	-ALL I	NDUS	TRIE	S COM	BINED	AND S	PECIFIED	INDUSTR:	ES-Con	ntinued.	·	·	·	
2 3 4 5	Clothing, men's, buttonholes Clothing, women's. Regular factory products Suits, skirts, and cloaks Shirt waists and dresses, ox- cept house dresses.	258 238 46 86	13 7,319 7,137 1,039 3,121	4 302 278 70 99	235 233 27 98	271 269 41 118	240 235 41 106 41	9 6, 271 6, 122 860 2, 700 1, 258	 (⁸) 9 Oc 958 My 2,918 Do 1,441 	(⁸) 0 Ja 716 Ja 2,309 Ja 1,002	10 6,475 6,328 878 2,531 1,443	6 1, 333 1, 269 617 354 140	3 4,970 4,888 259 2,091 1,259	1 3 2 1	$169 \\ 169 \\ 2 \\ 85 \\ 44$	Dollars. 1, 300 10, 994, 913 10, 953, 855 1, 807, 917 4, 122, 833 3, 189, 532
6 7 8 9 10	Undergarments and petti- coats. Wrappers and house dresses. All other. Contract work. Suits, skirts, and cloaks.	20 15	1,424 217 1,336 182 118	37 13 59 24 20	$45 \\ 11 \\ 52 \\ 2 \\ 1 \\ 1$	43 13 54 2 1 1	41 40 5 4 1	1,203 1,173 1,131 149 92 57	De 203 No 1,277 No 113 Oc 100	Fe 155 Ja 894 Jy 67 Fe 7	203 1,273 147 87 00	21 137 64 63 1	1,200 177 1,102 82 23 59	1 1 1 1	5 33	$\begin{array}{r} 313,459\\1,520,114\\41,058\\17,089\\23,969\end{array}$
11 12 13	All other Coal-tar products Coffee and spice, roasting and grind-	23	64 634 826	4 1 23	1 43 38	110 197	36 56	444 512	De 535	Mh 366	535 548	533 342	1 199	1	7	3,718,616 5,676,977
14 15 16	ing. Spice. Coffins, burial cases, and under- talers' goods. Comba and hairpins, not made from	. 19 4 9	622 204 429	22 1 4	22 16 20	164 33 30	49 7 16	865 147 359	Au 386 De 170 Fe 420	Mh 349 Ap 129 Se 292	378 170 348	271 71 321	106 93 26	i	1 6	4,754,825 922,152 1,313,299
17 18	takers' goods. Combs and hairpins, not madefrom metal or rubber.	26 278	1,922 13,613	13 291	67 498	28 627	48 612	1,766 11,585	De 1,847	Ja 1,690	1,952 11,856	1,150 3,651	630 6,909	89 225	83 1,071	2,976,108 28,133,527
19 20 21 22 23	Confectionery and test chains Confectionery. Cooperage, hogsheads and barrels. Copper, tin, and sheet-iron work. Cordage and twine.	130 148 18 137 137	12,435 1,178 431 2,172 2,995	117 174 18 124 4 3	442 56 8 174 70	590 37 5 171 74	533 79 4 170 104	10,753 832 396 1,533 2,743	Oc 11,800 Jy 1,133 Mh 477 De 1,754 Mh 2,948 Au 60	Jy 9,000 Ja 623 Ap 336 Mh 1,392 Ja 2,574 Se 39	11,141 715 374 1,750 2,720	3,041 610 374 1,683 1,911	6,808 101 46 729	221 4 19 45	1,071 2 35	$\begin{array}{r} 28,133,527\\ 25,262,770\\ 2,870,757\\ 1,054,040\\ 4,382,284\\ 26,004,441\\ 5020,960\\ \end{array}$
20 21 22 23 24 25 26 27 28 29 30	metal or rubber. Confectionery and ice cream. Confectionery. Ice cream. Cooperage, hogsheads and barrels. Coopere, tin, and sheet-iron work. Cordials and flavoring sirups. Cordials and f	8 3 11 191 40 51 6	$\begin{array}{r} 94\\ 30\\ 1,750\\ 125,834\\ 1,821\\ 4,739\\ 870\end{array}$	$ \begin{array}{c} 3 \\ 1 \\ 17 \\ 13 \\ 27 \\ \\ 27 \end{array} $	$ \begin{array}{r} 12 \\ 6 \\ 37 \\ 1,361 \\ 97 \\ 169 \\ 27 \\ 142 \\ \end{array} $	11 2 89 1,046 13 307 29 278	$ \begin{array}{r} 15 \\ 68 \\ 911 \\ 47 \\ 248 \\ 17 \\ 231 \\ \end{array} $	$53 \\ 21 \\ 1,555 \\ 122,490 \\ 1,651 \\ 3,988 \\ 797 \\ 8,191 \\ \end{array}$	Au 60 Fe 29 Oc 1,790 De127,017 Jy 1,768 De 869 De 3,588	Se 39 My ⁴ 18 Jy 1,430 Ap118,106 Fe 1,541 Ja 700 Au 2,760	51 22 1,804 128,489 1,083 4,528 869 3,659	$\begin{array}{r} 31 \\ 16 \\ 227 \\ 65,740 \\ 544 \\ 2,865 \\ 770 \\ 2,095 \end{array}$	$20 \\ 5 \\ 1,431 \\ 55,354 \\ 996 \\ 1,564 \\ 41 \\ 1,523 \\ $	10 3,575 40 73 48 25	1 136 3,811 103 26 10 16	522, 869 109, 376 4, 319, 452 504, 205, 192 5, 356, 380 24, 543, 745 1, 902, 236 22, 641, 509
31 32 33 34 35 30	All other. Teeth. All other. Druggists' proparations Dyeing and finishing textiles, ex- clusive of that dono in textile mills.	45 9 3 6 24 62	3,809 65 15 50 2,573 13,389	27 4 8 1 7 13	7 7 125 379	7 7 295 322	7 7 447 854	40 12 28 1,699 12,321	No 4 17 Ap 35 Fe 2,097 De 13,931	Ja ⁴ 10 Je 21 Au 1,446 Mh 10,800	40 17 29 1,848 13,786	34 14 20 864	9 9 952 8,117	3 3 16 153	16 102	142, 678 6, 895 135, 783 15, 396, 709 58, 279, 255
37	Dyestuffs and extracts—natural Electrical machinery, apparatus, and supplies.	- 21	277 29,472	19 32	32 1, 201	34 2,287	27 2,063	165 23,889	De 194 De 28,024		n	11	6,900	1 151	- 73	2,261,813 90,953,845
41 42 43	Electroplating. Emery and other abrasive wheels Engraving and dissinking Engraving, steel and copper plate, including plots arbiting.	- 47 - 24	389 3,010 78 216 524	5 55 16	3 3 22	15 193 1 5 21	13 253 2 9 33	288 2,443 67 144 432	No 347 De 2,776 No 80 Se 104 Oc 515	Fe 227 Jy 2,214 Mh 52 Ja 123 Fe 386	78 163 465	305 2,550 39 140 224	18 206 80 9 189	10 6 2 14 24	28	858, 493 17, 747, 806 147, 696 146, 778 488, 256
45 46 47 48 49 50 51 51	Farey articles, not elsewhere specifie Celluloid novelties. Metal and wood novelties. Paper novelties. All other Felt goods. Firearms.	i 39 - 10 - 5 - 16 - 15 - 5	237 561 144 1,309 2,440 12			82 62 19 5 33 5 46 78	109 117 48 23 41 5 121 95	1,9171,9291,1701894601101,0862,25310	De 713 No 150 Ja 4 1,143 Je 2,570 Oc 4 14	Mh 309 Ja 60 Je 1,021 Ja 1,386 Ja 4 6	$\begin{array}{c} 2,153\\ 2,497\\ 1,362\\ 277\\ 713\\ 145\\ 1,248\\ 2,463\\ 13\end{array}$	$\begin{array}{c} 703 \\ 1,231 \\ 838 \\ 225 \\ 126 \\ 42 \\ 1,090 \\ 2,323 \\ 7 \end{array}$	1,439 1,123 402 50 478 103 140 95 6	2 33 18 45	17 78 5	$\begin{array}{c} 7,256,167\\ 4,003,576\\ 2,530,916\\ 556,160\\ 753,541\\ 216,959\\ 10,700,477\\ 5,294,048\\ 18,198\\ 959,221\\ 959,221\\ \end{array}$
53 54 55	Flavoring extracts. Flour-mill and gristmill products. Food preparations, not elsewhere	27 - 75 - 81	254 238 1,203	79	27 18 78	60 7 104	19 11 94	129 123 848	Oc 151 De 138		147 143 886	59 135 605				950, 221 3, 135, 522 4, 704, 078
56 57	specified. Breadstuffs, cereals, and break- fast foods. Macaroni, vernicelli, and noodle				2		6	18 211	Ja 21 Jy 4 225	1 .	19 228	17 189	2 27	10	2	147,090 1,137,112
58 59	Macaroni, vermicelli, and noodle Meat products, not elsewhere specified. Peanut butter	. 3	179	4	13	9	11	144 14	Ja 209 Mh 15	Au 93 Ja 4 13	184	66 8	67	1		1,137,112 902,255 29,878
60 61 62 63 64 65	All other Foundry and machine-shop product Boiler shops. Foundries. Machine shops. Machine shop and foundry com bined.	. 48 s 574	33, 161 949 4, 507 25, 696	365 10 42 313	1,617 42 199 1,278	1,895 38 90	1,572 29 115	4,061	Ja 511 Ja 871 De 5,005 De 23,542 Ja 1,938	Mh 729	6.071	325 30,339 814 5,039	153 859 3 17 824 15	15 129		$\begin{array}{r} 29,878\\ 2,487,743\\ 102,738,354\\ 3,067,936\\ 9,474,466\\ 86,002,149\\ 4,103,803\end{array}$
66 67 68 69	Fur goods. Furnishing goods, men's. Furniture. Wood, other than rattan and		356 7,232 5,623	15 129 104	16 316 229	236 183	209 154	289 275 6,342 4,953	De 840 De 310 De 5,741	Mh 248 Ja 250 Ja 4,305	11	6,461 5,019	277	1 3 154 130		$\substack{1,179,617\\1,008,754\\27,852,510\\23,028,120}$
70 71 72	Rattan and willow Metal Store and office fixtures 1 Includes water wheels and turbines		249 395	10	27	18 17	8 16	205 319	De 411	Ja 182 My 225	411	402	6	8	2	3,384,994 595,628 843,768

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

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPE	NSES.								PO	WER.				
Sala	aries and w	ages.		Rent ar	ıd taxes.	For ma	terials.	ſ			Prin	nary ho	rsepow	ver.		Elec-	.
			For	Ì	Manag			Value of products.	Value added by manufac-			Own	ed.			tric horse- power	
Officials.	Clerks, etc.	Wage earners.	work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.		ture.	Tota	Steam gines (not tur- bines).	Steam tur- bines.	Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er.1	Rent- ed. ²	gener- ated in estab- lish- ments report- ing.	
			THE ST.	ATE-AL	L INDUS	TRIES CO	MBINED .	AND SPEC	IFIED IND	USTRIE	S-Conti	inued.					
Dollars. 709, 399 705, 922 62, 397 256, 944	Dollars. 805, 707 801, 899 111, 141 362, 682	Dollars. 7, 750 5, 616, 403 5, 469, 175 1, 254, 154 2, 278, 977	Dollars. 674, 508 674, 508 48, 125 456, 839	Dollars. 1, 197 344, 718 334, 302 60, 183 134, 692	Dollars. 144, 453 144, 027 8, 696 52, 006	Dollars. 1, 172 17, 877, 812 17, 814, 269 3, 530, 992 6, 439, 222	Dollars. 299 95, 705 93, 178 14, 592 38, 449	Dollars. 18, 749 30, 427, 592 30, 131, 248 6, 034, 004 11, 442, 349	Dollar s. 17, 278 12, 454, 075 12, 223, 801 2, 488, 420 4, 964, 678	4 1, 622 1, 588 139 744	470 470 310		2 2 2		4 1, 150 1, 116 137 434	116 118 118	
222, 518	193, 907 28, 931	965, 564 125, 421	188, 113	60, 660 16, 997	59, 851 1, 692	5, 111, 880 540, 875	19, 140 3, 800	7, 685, 546	2, 554, 526 319, 663	411 56	160	••••		•••••	251. 56		
$\begin{array}{c} 16,030\\ 148,033\\ 3,477\\ 1,805\\ 1,672\\ 279,755\\ 263,266\end{array}$	$28,931 \\ 105,238 \\ 3,808 \\ 2,495 \\ 1,313 \\ 102,005 \\ 495,701 \\$	125, 421 845, 059 147, 228 117, 170 30, 058 572, 177 483, 470	31, 431 1, 282	16, 997 61, 770 10, 416 8, 816 1, 600 12, 757 104, 404	21, 782 426 203 223 140, 836 110, 029	540, 875 2, 191, 300 63, 543 63, 254 289 2, 355, 083 13, 939, 589	$\begin{array}{r} 3,800\\ 17,197\\ 2,527\\ 1,609\\ 918\\ 116,443\\ 65,247\end{array}$	$\begin{array}{r} 864,338\\ 4,105,011\\ 296,344\\ 240,061\\ 56,283\\ 3,956,975\\ 16,977,791 \end{array}$	$\begin{array}{r} 319,663\\ 1,896,514\\ 230,274\\ 175,198\\ 55,076\\ 1,485,449\\ 2,972,955\end{array}$	238 34 19 15 1,019 1,377	191 480		12 48	100	238 34 19 15 816 749		1
191, 876 71, 390 66, 342	438, 396 57, 305 84, 586	343, 515 139, 955 371, 501	· · · · · · · · · · · · · · · · · · ·	93, 984 10, 480 12, 526	90, 077 19, 952 108, 145	12, 543, 041 1, 396, 548 984, 753	54,783 10,464 7,618	15, 121, 602 1, 856, 129 2, 176, 243	$2,523,838 \\ 449,117 \\ 1,183,872$	919 458 762	220 260 400		40 8	100	659 90 362	226 310	1 1 1
270, 258 855, 174	86, 459 1, 769, 483	1,424,632 8,523,320	23, 512 8, 142	5,652 614,724	70,728 3,024,883	2,462,099 39,728,401	72, 563 625, 608	5,179,469 68,896,885	2, 644, 807 28, 542, 876	1,292	667 4,116	810	111	102 1	523 6,198	3,841 3,841	. 1
$\begin{array}{c} 855, 174\\ 682, 518\\ 172, 656\\ 30, 510\\ 536, 685\\ 237, 130\\ 72, 982\\ 11, 720\\ 220, 765\\ 611, 577\\ 902\ 001 \end{array}$	$1, 052, 200 \\117, 283 \\7, 082 \\292, 773 \\255, 904 \\31, 490 \\2, 040$	$\begin{array}{c} 8,523,320\\ 7,512,037\\ 1,011,283\\ 356,948\\ 1,919,135\\ 2,360,026\\ 48,079\\ 17,720\end{array}$	$\begin{array}{r} 8,142 \\ 1,370 \\ 6,772 \\ 190 \\ 16,549 \\ 250,000 \\ 4,000 \\ 7,921 \end{array}$	$\begin{array}{c} 614,724\\ 534,659\\ 80,005\\ 4,045\\ 90,082\\ 11,820\\ 15,131\\ 2,352\\ \end{array}$	3,024,883 3,559,751 65,132 30,916 106,839 2,696,503 10,960 182	$\begin{array}{c} 39,728,401\\ 34,400,967\\ 5,321,434\\ 1,358,830\\ 3,163,582\\ 19,227,341\\ 630,783\\ 44,051\end{array}$	$\begin{array}{c} 625,608\\ 407,356\\ 158,252\\ 26,437\\ 64,404\\ 203,609\\ 3,982\\ 2,582\\ \end{array}$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{smallmatrix} 28, 542, 876\\ 25, 682, 235\\ 2, 860, 641\\ 765, 001\\ 5, 087, 522\\ 8, 655, 094\\ 327, 813\\ 40, 763\\ \end{smallmatrix}$	$ \begin{array}{c ccccc} 11,236\\ 8,419\\ 2,817\\ 413\\ 1,926\\ 10,957\\ 102\\ 111 \end{array} $	4,001 115 275 225 5,191 58	810 3,667	27 84 159 225	1 25 478 25	3,581 2,617 109 1,542 1,396 102 28	76 270 1,893	
480, 510 80, 371 400, 139	335, 620 2, 740, 039 03, 003 056, 211 67, 096 589, 115	1,093,117109,902,5031,238,7053,940,686803,0683,077,618	549,728 20,047 1,875 1,875	2,352 32,810 939,202 37,241 13,989 13,989 5,481	175, 803 35,955,802 253, 476 2, 335, 804 55, 928 2, 279, 870	$\begin{array}{r} 3,352,418\\348,077,003\\5,122,118\\5,200,738\\458,056\\4,742,082\\689,714\\18,275\\671,420\end{array}$	14, 544 11, 598, 170 123, 307 210, 599 57, 230 153, 369 2, 328 269	$\begin{array}{c} 6,703,509\\ 590,687,441\\ 8,250,308\\ 19,672,750\\ 1,889,444\\ 17,783,306\\ 881,152\\ 46,079\\ 925,079\end{array}$	$\begin{array}{c} 3, 396, 547\\ 237, 012, 202\\ 3, 004, 823\\ 14, 201, 413\\ 1, 374, 158\\ 12, 887, 255\\ 189, 110\\ 07, 525\\ \end{array}$	835 523,645 2,722 5,885 2,156 3,729 27	565 267,200 520 1,440 550 890	87, 234 30 30	1,380 31 9 9	69,460 225 655 435 220	$270 \\ 98,371 \\ 1,940 \\ 3,751 \\ 1,171 \\ 2,580 \\ 27 $	3 460 117,89 60 245 75 170	5
20, 024 20, 924 761, 357 822, 530	15,032 15,032 812,630 830,747	38, 888 10, 951 27, 937 1, 307, 000 12, 240, 747	520 520 420 22,722	1, 231 4, 250 22, 061 12, 930	7,898 208 7,690 784,150 4,594,062	4, 913, 010 41, 845, 699	2,069 39,859 2,363,839	9,989,720 75,261,815	161, 575 5, 036, 851 31, 052, 277	4 23 757 39,133	610 • 13,613	14, 259		2,305	4 23 147 8,950	508 18,146	
	91,095 5,158,047 28,412	109, 918 27, 649, 667 323, 742	28,100 3,953	22, 183 195, 130 37, 288	152, 958 4, 127, 531 4, 398	4, 422, 910 80, 545, 217 147, 659	52,920 1,291,859 20,912	5, 811, 567 91, 938, 738 834, 325	1,335,737 60,101,662 665,754	773 36, 367 498	319 3,925	24, 718	25 75 15	180	7,469 483	58,400	18
64,032 482,567 6,250 7,147 122,682	388, 240 2, 392 12, 983 55, 549	2, 264, 531 57, 953 169, 217 407, 250	9 7,724 9,074	$12,088 \\ 1,710 \\ 16,043 \\ 29,780$	787, 071 5, 909 2, 056 30, 912	$\begin{array}{r} 4,566,879\\ 123,114\\ 46,296\\ 254,262 \end{array}$	440, 365 8, 043 3, 505 7, 340	13, 118, 047 256, 609 434, 583 1, 318, 098	8, 104, 803 124, 852 384, 782 1, 056, 490	5,886 94 78 110	375 65	1,667	4		3,840 29 78 100	1,465	
$\begin{array}{r} 225, 040\\ 260, 375\\ 105, 825\\ 24, 020\\ 40, 855\\ 23, 675\\ 293, 550\\ 05\\ \end{array}$	$235,252 \\ 237,028 \\ 62,892 \\ 36,845 \\ 129,348 \\ 7,943 \\ 213,543 \\ 223,543 \\ 223,543 \\ 224,544 \\ 224,544 $	$1,073,251\\1,692,386\\1,145,729\\184,380\\285,214\\77,003\\1,154,905\\2,599,197$	83, 487 140 6, 553 72, 805 3, 983	14,43539,80615,7797,5437,0139,53111,096520	$262,877 \\196,949 \\172,999 \\12,999 \\9,869 \\1,082 \\194,126 \\272,572 \\$	$\begin{array}{c} 6,504,528\\ 4,358,917\\ 3,351,135\\ 272,278\\ 483,769\\ 251,735\\ 6,421,690\\ 961,022\\ \end{array}$	45,615 120,842 101,820 18,542 0,950 2,530 218,020 105,185	$\begin{array}{c} 10,868,966\\ 7,931,996\\ 5,524,119\\ 649,674\\ 1,281,924\\ 476,279\\ 10,286,361\\ 5,644,510\\ 28645\end{array}$	4, 318, 823 3, 443, 237 2, 071, 164 358, 854 791, 205 222, 014 3, 646, 603	$\begin{array}{c} 1,401\\ 2,473\\ 1,975\\ 214\\ 242\\ 42\\ 5,243\\ 2,121\\ \end{array}$	985 381 301 	35 		12 12 756	$\begin{array}{r} 381 \\ 2,080 \\ 1,602 \\ 214 \\ 162 \\ 42 \\ 2,292 \\ 1,551 \end{array}$	1,009 540	
95, 542 166, 247 32, 981 299, 181	234, 363 270, 412 15, 652 302, 127	10, 202 108, 170 129, 996 772, 902	1,000 41 152 31,105	1, 197 24, 807 18, 259 89, 437	372, 572 52 44, 820 25, 303 171, 967	8, 252 1, 120, 340 4, 214, 481 5, 890, 790	326 6,089 35,055 181,017	28,045 2,147,024 4,878,212 9,602,578	4, 578, 303 19, 467 1, 020, 595 628, 676 3, 530, 771	4,013 1,919	234 412		120	1,162 27	8 77 2,497 1,475		5
10, 500 29, 463	8, 423 15, 273	16, 874 180, 751		5, 244 15, 528	2,016 11,586	300, 969 1, 164, 933	2, 895 44, 439	399,157 1,633,341	95, 293 423, 969	114 700	14 100			27	73 600		
60, 975 3, 900	21, 583	120, 357 13, 486		6, 531 180	38,034 382	1, 184, 953 1, 184, 953 113, 223 3, 126, 712	15,433 1,837 116,413	1,592,095 153,423	391,709	179 20			<u>.</u> .	 	179 20		5
194, 343 ,901, 981 229, 708 792, 201 ,566, 275 313, 737	4, 522 252, 320 3, 898, 558 90, 341 170, 417 3, 498, 027 139, 773	$\begin{array}{r} 441, 434\\ 36, 613, 749\\ 1, 064, 798\\ 5, 494, 824\\ 27, 812, 904\\ 2, 241, 223\end{array}$	$\begin{array}{c} 31,105\\807,324\\6,092\\1,233\\799,203\\796\end{array}$	$\begin{array}{c} 61,954\\ 495,990\\ 27,849\\ 55,104\\ 394,603\\ 18,434 \end{array}$	$\begin{array}{c} 119,949\\ 3,721,618\\ 104,505\\ 338,390\\ 3,009,338\\ 269,385 \end{array}$	3, 126, 712 37, 118, 580 1, 996, 056 4, 741, 516 28, 448, 256 1, 932, 752	116, 413 2, 091, 458 81, 409 594, 440 1, 277, 297 138, 312	5,824,562 111,852,729 4,615,248 14,011,139 87,321,104 5,905,238	38, 303 2, 581, 437 72, 642, 691 2, 537, 783 8, 675, 183 57, 595, 551 3, 834, 174	906 46, 310 1, 430 6, 728 33, 109 5, 043	298 8,754 655 728 6,266 1,105	4, 584 4, 584	5 981 10 31 940	1,380 1,360 20	603 30, 611 765 5, 969 19, 959 3, 918	7,949 139 288 7,059 463	
60, 059 98, 650 961, 369 698, 350	67,618 105,274 525,121 419,311	393, 661 201, 361 6, 637, 133 5, 142, 445	56,442 66,805 46,366 43,349	40, 993 17, 192 227, 562 174, 359	118, 219 36, 355 640, 627 544, 099	1, 305, 490 1, 922, 280 10, 303, 855 7, 272, 792	4, 594 4, 447 354, 393 281, 925	2, 417, 752 2, 890, 304 23, 688, 923 17, 916, 140	1, 107, 668 963, 577 13, 030, 675 10, 361, 423	61 33 10, 472 9, 243	5,515 5,005	33 33	 66 8	1,065 1,065	61 33 3,793 3,132	2,018 1,583	666
133, 336 74, 867 54, 816	51, 620 27, 786 26, 404	865, 037 226, 401 403, 250	50 2,967	18, 345 16, 511 18, 347	76, 349 14, 420 5, 759	2, 027, 915 592, 340 410, 808	46,010 12,804 13,588	3,547,674 1,178,248 1,046,861	1, 473, 743 573, 044 623, 465	507 197 525	350 35 125		18 40		139 162 360	400 	777

² Same number reported throughout the year.

+ Same number reported for one or more other months.

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

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					PERSO	ons enc	FAGED I	N THE IN	DUSTRY.		WAG NEARI	E EARN EST REP	ERS DE RESENT	C. 15, ATIVE	OR DAY	
					Sala-	Clerk	s, etc.		Wage carn	ers.	ĺ	16 and	1 over.	Und	er 16.	
	INDUSTRY AND CITY.	Num- ber of estab-		Pro- prie-	ried offi- cers,	•			Number, 1	5th day of—						Capital.
		lish- ments	Total.	and firm mem- bers.	super- in- tend- ents, and man- agers.	Male.	Fe- male.	A ver- age num- ber.	Maximum month.	Minimum month.	Total.	Male.	Fe- male.	Male.	Fo- male.	
·	THE S	FATE-	-ALL I	NDUS	TRIES	S COM	BINED	AND S	PECIFIED	INDUSTRI	ES-Con	tinued.				"i
1 2 3	Gas and electric fixtures Gas, illuminating and heating Glass, cutting, staining, and orna- menting.	7 51 26	$3,314 \\ 225$	4 27	8 204 9	2 179 4	6 277 8	90 2,654 177	De 101 Ja 2,739 No ² 207	Au 82 So 2,424 Au 155	101 2,612 210	90 2,608 166	10 27	1 4 11	<u>6</u>	Dollars, 221,960 77,030,109 299,275
4 5 6 7 8	menting. Gloves and mittens, leather Gold, not elsewhere specified Gold and silver, reducing and re- fining, not from the ore. Grease and tallow, not including	$5\\13\\12\\5\\24$	64 932 146 32 958	5 2 12 5 11	4 47 4 3 50	1 19 1 1 49	4 38 5 3 23,	50 826 124 20 825	No 68 No 880 De 147 Oc 26	Ap 37 Je 798 Je 105 My ⁸ 14	62 819 147 23 832	23 689 70 22 820	39 130 65 1	 3 		158, 401 5, 410, 316 187, 905 253, 648 4, 599, 253
9 10 11 12 13 14 15 16	Glue, not elsewhere specified Gold, leaf and foil. Gold aud silver, reducing and re- fining, not from the ore. Grease and tallow, not including lubricating greases. Soap stock. All other Hair work. Hand stamps Hard ware. Locks. Builders' hardware. All other.	11 13 3 18 30 5	$\begin{array}{r} 341 \\ 617 \\ 11 \\ 145 \\ 662 \\ 64 \end{array}$	4 7 3 18 20 4	22 28 13 43 9	16 83 1 11 71 1 1	• 15 1 3 28 6	291 534 6 100 500 44	Ja 306 Se 581 (4) 6 Je 3 106 De 59	Jy 277 Mh 495 (4) 6 Ja 93 Ja 27	295 537 6 106 566 59	293 527 70 402 47	9 6 24 141 8	2 1 6 19 3	6 4 1	1,674,3662,924,8872,700167,0121,600,842124,115
15 16 17 18 19	Hat and cap materials Hats and caps, other than felt, straw, and wool.	5 42	30 568 26 507 1,612	4 2 14 4 57	4 30 2 18 51	1 69 	2 20 1 26 26	21 435 19 376 1,490	De 29 No 488 Je ⁸ 21 Oc 417 Fe 2,154	Mh ⁸ 17 Ja 390 Ja ⁸ 15 Fe 339	29 478 21 406 1,917	402 47 25 330 12 274 649	$1 \\ 132 \\ 4 \\ 121 \\ 1,241$	19 3 13 3 7 14	3 2 4 13	66,221 1,419,506 18,891 916,195
20 21 22 28 24	Hats, straw House-furnishing goods, not else- where specified. Mops and dusters All other Lee, manufactured Instruments, professional and sci-	54 13 41 12 25	1,367 148 1,219 182 991	41 7 34 4 16	61 51 15 88	108 14 94 9 51	76 10 66 1 54	1,081 107 974 153 782	Oc 131 No 1,131 Au 182	Fe 80 Ja 799 Ja 119	1,253 128 1,125 160 801	337 42 205 160 626	813 82 731 150	25 1 241 14	78 3 75 11	$\begin{array}{c} 2, 194, 748\\ 3, 854, 507\\ 237, 079\\ 3, 617, 428\\ 2, 062, 115\\ 2, 128, 286\end{array}$
25 26 27 28	entific. Medical, surgical, and optical All other Iron and steel, steel works and roll- ing mills. Iron and steel, bolts, nuts, washers, and rivets, not made in rolling	7 18 11 11	449 542 4, 310 1, 618	3 13 1 2	61 27 204 48	39 12 306 35	36 18 115 62	310 472 3,684 1,471	De 332 Fe 553 De 4,029 De 1,635	Au 299 Mh 421 Ap 3,221 Ja 1,302	832 469 3,096 1,635	210 407 3,831 1,144	91 59 161 489	11 3 4 2	11	647, 519 1, 480, 767 21, 374, 408 4, 576, 129
29 30	mills. Iron and steel, forgings, not made in steel works or rolling mills. Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling	14 25	2, 441 1, 720		103 48	68 60	98 61	2, 172 1, 537	De 2,491	Fe 2,024	2,607 1,785	2, 558 1, 287	33 427	14 11	2 10	11, 686, 386 5, 812, 171
31 32 33 34 35 36	mills. Wire nails and spikes. All other. Iron and steel, tempering and welding Treated iron and steel. Welding. Ivory, shell, and hone work, not in- cluding combs and beiring.	7 18 29 3 26 6	229 1, 491 132 21 111 154	$2 \\ 12 \\ 20 \\ \\ 26 \\ 1 \\ 1$	12 36 12 6 6 11	10 50 3 1 2 1	9 52 7 2 5 8	196 1, 341 84 12 72 138	Ja ⁸ 243 De 1,505 Jy ⁸ 14 De 81 Mh 160	Se 135 Au 907 Fe ³ 10 Mh 63 My 112	212 1,523 90 12 78 156	123 1, 164 90 12 78 137	80 847 15	1 10 4	82	1, 101, 920 4, 710, 251 182, 990 31, 397 151, 593 377, 291
37 38 39 40 41 42	cluding combs and hairpins. Japanning. Jewelry. Jewelry and instrument cases. Knit goods. Lamps and reflectors. Lapidary work.	10	17 7,916 303 13,596 717 58	7 176 7 41 6 6	836 11 235 39 2	278 2 255 28	340 8 314 18	$\begin{array}{r} 10 \\ 6,786 \\ 365 \\ 12,751 \\ 626 \\ 50 \end{array}$	De 12 De 7,713 De 422 De 13,975 De 672 My 59	Fe ⁵ 9 Ja 5,806 My ⁸ 320 My 11,070 My 590 No ⁸ 40	11 7,609 422 13,963 670 45	10 4, 784 98 8, 802 537 39	1 2, 695 206 9, 447 124 6	147 8 184 8	128 50 470 1	3, 950 19, 445, 856 237, 112 38, 656, 842 1, 478, 300 45, 118
43 44 45 46 47 48	Lasts. Leather goods, not elsewhere specified. Leather, tanned, curried, and finished. Linne. Linuen goods Liquors, distilled, grain alcohol and rum.	81 51 131 12 4 4	1,511 677 16,877 543 1,288 93	22 37 92 8 1	84 36 634 21 18 9	70 82 530 10 35 11	36 27 441 8 16 8	1,29954515,1805011,21964	De 1,413 De 644 De 17,379 No 542 De 1,283 Ja 90	Ja 1,031 Ja 501 Jy 13,241 Mh 445 Ja 1,104 Au 49	1,400 647 17,378 533 1,310 56	1, 387 319 15, 759 531 523 50	50 298 1, 440 614	$23 \\ 19 \\ 147 \\ 2 \\ 66 \\ \dots$	16 82 107	3, 603, 942 1, 266, 265 92, 548, 853 1, 254, 687 5, 267, 364 2, 800, 920
40 50 51 52 53	Liquors, malt Lithographing Looking-glass and picture frames Lumber and timber products. Lumber, planing-mill products, not iucluding planing mills connected with compute	$19\\14\\26\\244\\146$	1,623 1,519 195 1,913 2,728	8 1 26 260 107	92 85 5 49 177	$160 \\ 106 \\ 5 \\ 12 \\ 111$	40 109 11 10 88	1, 328 1, 218 148 1, 582 2, 245	Je 1,464 De 1,349 De 169 Mh 1,837 De 2,614	De 1,004 Ap 1,106 Fe 132 Jy 1,332 Fe 1,960	1, 162 1, 349 163 1, 998 2, 613	1,1579171471,9792,570	5 412 14 8		6	$\begin{array}{c} 15,842,830\\ 4,141,125\\ 251,727\\ 4,008,302\\ 8,410,860 \end{array}$
54 55 56 57 58 59	Machine tools. Marble and stone work. Monuments and tombstones. All other. Mattresses and spring beds, not else- where specified. Millimery and lace goods, not else-	46 239 181 58 52 60	7,709 2,435 1,142 1,293 . 768 1,621	22 295 239 56 49 61	274 85 31 54 32 51	469 75 34 41 69 57	473 44 20 24 35 56	6,471 1,936 818 1,118 583	De 7,297 My 1,003 No 1,296 Oc 637	Jy 5,858 Ja 247 Fe 677 Ja 503	7,370 2,230 911 1,325 600	7,0112,2279031,324412	$326 \\ 2 \\ 1 \\ 1 \\ 162$	32 16	1 7 7	32, 446, 551 5, 654, 512 2, 185, 345 8, 469, 167 2, 110, 285
60 61 62 63	where specified, Embroideries. Trimmed hats and hat frames. Womon's neckwear. All other.	10 24 11 15	118 1, 119 228 156	6 27 12 16	12 21 13 5	5 40 7 5	3 41 8 4	1, 396 92 990 188 126	Oc 148	Ja 149 Ja 96	$1,833 \\ 104 \\ 1,363 \\ 222 \\ 144$	469 19 896 17 37	1, 343 78 955 204 106	8 1 6 1	18 6 8 1	1, 908, 084 118, 832 1, 162, 322 242, 962 383, 968

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

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPE	NSES.		•		5				PO	WER.	- <u></u>		
Sala	ries and wa	iges.		Rent and	l taxes.	For mat	erials.				Prim	ary hor	sepowe	er.		Elec- tric
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufac- ture.	Total.	Steam en- gines (not tur- bines).	Owne Steam tur- bines.	ed. Inter- nal- com- bus- tion en- gines	Wa- ter pow- er.1	Rent- ed. ²	horse- power gener- ated in estab- lish- ments report- ing.
	<u>.</u>	i	THE SI	ATE-AL	L INDUS	TRIES CO	MBINED	AND SPEC	IFIED INI	USTRIE	S-Cont	inued.				·······
Dollars. 30, 950 458, 483 17, 405	Dallars. 0, 100 497, 024 8, 650	Dollars. 101, 805 3, 557, 408 177, 766	Dollars. 3,405 843	Dollars. 8, 219 3, 073 18, 388	Dollars. 6,483 1,788,328 2,909	Dollars. 117,659 1,907,331 301,705	Dollars. 3,610 8,866,233 7,256	Dollars. 347,016 24,231,095 672,244	Dollars. 225, 747 13, 457, 531 363, 283	63 18, 827 134	9, 958	5,880	25	12	63 2, 052 134	2,059
8, 160 189, 881 9, 272 8, 155	4, 755 79, 493 3, 105 3, 840	40, 192 939, 913 125, 753 22, 961	1, 464 19, 873 5, 359	4,020 2,114 1,997 600	1,609134,7874,1642,612	134,0983,359,079190,827474,243	1,969 270,717 2,438 7,434	225, 255 6, 451, 367 399, 443 639, 313 7, 292, 293	89, 188 2, 821, 571 206, 178 157, 636	$ \begin{array}{r} 18 \\ 1,095 \\ 41 \\ 111 \\ 2,163 \\ \end{array} $	1,065		12 4		18 30 29 107 726	72 (50
124, 684 54, 924 69, 760 23, 992 128, 313 19, 778 10, 500	88, 018 30, 266 57, 752 1, 644 18, 540 05, 245 3, 720 2, 100	$\begin{array}{c} 916,524\\ 332,302\\ 584,222\\ 4,240\\ 82,541\\ 462,004\\ 33,324\\ 25,410\end{array}$	600 960 7, 296	$\begin{array}{c} 60,890\\ 1,413\\ 59,477\\ 1,172\\ 11,347\\ 16,976\\ 2,340\\ 5,935\end{array}$	$\begin{array}{c} 223,123\\ 98,759\\ 124,364\\ 31\\ 13,994\\ 85,217\\ 1,681\\ 660\\ \end{array}$	$\begin{array}{c} 4,562,612\\ 1,130,604\\ 3,432,008\\ 9,226\\ 98,122\\ 844,742\\ 81,185\\ 33,595\\ 502\\ 502\\ 844,742\\ 81,185\\ 33,595\\ 502\\ 81,185\\ 33,595\\ 502\\ 81,185\\ 33,595\\ 502\\ 81,185\\ 33,595\\ 502\\ 81,185\\ 81,185$	36,765 1,999 1,410	$\begin{array}{c} 7,323,228\\ 2,207,537\\ 5,115,691\\ 24,335\\ 335,183\\ 2,452,121\\ 175,270\\ 89,538\\ 0,107,207\end{array}$	$\begin{array}{c} 2,487,607\\ 966,121\\ 1,521,486\\ 15,006\\ 234,026\\ 1,570,614\\ 92,092\\ 54,533\\ 1,423,989\end{array}$	$ \begin{array}{c} 798\\ 1,365\\ 1\\ 53\\ 691\\ 38\\ 46\\ 607 \end{array} $	540 897 100				$\begin{array}{c} 258 \\ 468 \\ 1 \\ 53 \\ 591 \\ 38 \\ 46 \\ 507 \end{array}$	308 342
98, 035 8, 404 81, 844 217, 209 256, 301	89, 425 936 81, 380 99, 633 277, 748	403, 270 15, 601 508, 775 1, 109, 251 793, 381	7, 290 2, 074 48, 327 39, 905	8, 701 2, 369 34, 114 5, 880 62, 801	82,876 136 5,508 82,400 43,740	729, 962 30, 612 1, 376, 724 2, 902, 430 5, 091, 557	446 9,875 77,607 7 38,258	2, 187, 307 06, 907 2, 403, 884 5, 485, 090 7, 708, 420	35, 939 1, 017, 285 2, 505, 047 2, 578, 011	6 72 695 746	484		3	40	3 72 171 363 69	167 13
47, 349 209, 042 22, 950 188, 410	10, 655 153, 859	73,787 719,594 201,347 851,032	2,838 37,157 3,475		2,969 40,771 49,694 224,025	467,073 4,624,484 30,900 886,121 333,285	1 36,001 3 152,086 L 28,236	750, 308 6, 958, 058 745, 098 2, 894, 515 995, 599	1, 980, 158	608	345 3,540 165 40	108 5 	38 176		294 21 . 443 . 140	13 759
102, 802 85, 614 605, 490 193, 044	38, 332 657, 183	278, 315 572, 717 5, 757, 624 1, 612, 857	410 3,065 650	17,222	28, 195 195, 830 752, 879 288, 637	552,834 17,232,481 3,038,490	4 22,263 1 2,004,008	1, 898, 910 30, 989, 601 5, 703, 078	11, 733, 112	428 31,609	12/ 20, 949 1, 619	40	667	425		7,285
747, 772 223, 053		2,908,244 1,519,986	386 3, 598		1, 358, 382 359, 773	4, 631, 196 3, 697, 395		13, 299, 412 7, 852, 504			1,538 1,628		- 6	5 291	. 5,041 1,458	
66,433 156,620 21,422 9,644 11,778 45,603	125,868 6,454 1,708	145,144 15,422 129,722	1,857	18,098 13,544 3,240	83,820 275,953 3,496 2,391 1,105 9,551	2,853,773 85,950 9,933 76,013	2 7,712	341,657 50,042 291,615 584,340	3,459,693 241,610 32,398 209,212 249,161	2,761 121 38 83 211	1,57	5			904 121 . 38 . 83 . 41	752
1, 148, 117 20, 457 1, 117, 120 91, 814 8, 800	7 894,790 7 6,653 3 887,331 4 51,740 0 600	245,43411,364,030545,958	471,565 6,046 147,789	3 16,490 70,929 7,878	2,317,800	30,730,77	9 8,704 8 441,785 4 39,148	$\begin{array}{r} 31,056\\ 34,810,822\\ 695,510\\ 52,424,235\\ 1,814,304\\ 134,645\end{array}$	417.17	10,574	63 7,27				151 5,333 1,028 28	2,055
335, 30 99, 79 2, 779, 77 52, 97 77, 79 119, 55	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c} 1,598,128\\ 417,345\\ 19,211,106\\ 522,624\\ 1,105,526\\ 90,653\end{array}$	1,142,03	$\begin{array}{c}3 \\ 2,777 \\ 2,777 \\ 10,000 \end{array}$	69,613	1,113,94 80,083,20	8 77,578 2 16,149 7 1,934,048 4 368,475 7 97,242 8 43,436	2,113,741 5,177,679	1,145,412 1,849,19(615,512	396 34,159 2,028 3,780 149	15,16 53 2,10 3	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$. 130		2 13,028 1,362 350 119	11,147 60 1,095
743, 94 339, 41 6, 64 103, 68 447, 49	4 362,330 7 377,620 8 18,737 3 20,100		[4] A. B. M.	3 7,876	4,784,997 97,061 5,235 164,699	3,768,48 1,845,05 251,47 2,067,24		4,916,35	10,525,383 3,019,92 337,904 3,607,366 3,5,411,523	10-1	7,47)	5 3,053 4 305	5 4,180	1,515 214 555
925, 89 195, 22 57, 15 138, 07 127, 31	99 995, 451 8 144, 666 1 78, 02 7 66, 64 0 140, 37	$\begin{bmatrix} 2 & 1, 234, 97 \\ 3 & 1, 390, 17 \end{bmatrix}$	$\begin{array}{c ccccc}1 & 101, 64\\7 & 181, 69\\4 & 164, 94\\3 & 16, 74\\7 & 65\end{array}$	0 48,588 8 20,986 2 27,597	3 40,95	2,275,61 7 1,528,74 3 746,87 9 2,394,45		7,125,060 4,148,000 2,977,055 4,015,345	2,519,38 2,086,43 3,1,589,23	3 3,084 L 8,569 7 903	6,27 12	4 165 5	. 17 5	. 17(0 2 8 4 3	4 4,57 4 2,45 2,12 77	3 2 3 5 5
166, 39 33, 12 99, 52 22, 01 11, 74	183,18 183,18 9,04 134,77 134,77 129,61	9 1,258,27 8 87,39 4 941,50 8 108,81	$\begin{array}{c c}7 & 13, 30\\7 & 1, 70\\5 & 1, 70\\0 & 11, 03\end{array}$	$\begin{array}{c c} 0 & 5,171 \\ 42,385 \\ 32 & 13,745 \end{array}$	1,72 2 58,15 5 3,46	4 178,59 9 2,199,49 0 287,60	2 2,202 35,892 39 2,556	2 393,89 2 4,242,70 607,81	$\begin{array}{c c} 4 & 215, 10 \\ 2,007, 31 \\ 2 & 317, 64 \\ 9 & 265, 61 \end{array}$	$24 \\ 2 \\ 443 \\ 7 \\ 41$	15	9		43	$ \begin{array}{c} 2 \\ 25 \\ 4 \\ 12 \end{array} $)

94669°—22—41

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

-					PERSO	NS ENG	AGED IN	THE IN	DUSTRY.			E EARN ST REPI				
						Clerk	s, etc.		Wage earn	ers.		16 and	l over.	Und	er 16.	
	INDUSTRY AND CITY.	Num- ber of estab-		Pro- prie-	Sala- ried offi- cers,				Number, 1	5th day of—						Capital.
		lish- ments	Total.	and firm	super- in- tend- ents, and man- agers.	Male.	Fe- male.	Aver- age num- ber.	Maximum month.	Minimum month.	Total.	Male.	Fe- male.	Male.	Fe- male.	
	THE S	ТАТЕ-	-ALL I	NDUS	TRIE	s com	BINED	AND S	PECIFIED	INDUSTR	(ES—Co	tinued	•			******
1 2 3 4	Mineral and soda waters Mineral and carbonated waters All other Minerals and earths, ground or other-	172 166 6 10	1, 212 1, 201 11 186	184 176 8 6	96 96 19	103 103 4	61 61 4	768 765 3 153	Jy 1,052 (^a) 3 De 168	Ja 570 (³) 3 Ap 143	664 661 3 168	641 638 3 167	13 13	9 9 1	1 1	Dollars, 4, 170, 421 4, 159, 346 11, 075 1, 182, 840
5	wise treated. Mirrors, framed and unframed, not elsewhere specified.	. 6	97	5	6	5	4	77	De 89	Mh 68	88	84	4		·····	211,715
6	Models and patterns, not including paper patterns.	77 8	514 3, 444	100	18 126	6 165	15 150	375 3,000	De 433 De 3,128	Ja 322 Se 2,794	456 3, 128	444 2,064	8 377	4 49	38	588, 442 10, 154, 259
7 8	Motorcycles, bicycles, and parts Mucilage, paste, and other adhesives, not elsewhere specified	21	236	20	29 17	37 6	30 13	120 246	De 133 De 272	Mh 110 Ja 201	133 272	108 222	· 14 36	10 14	• 1	1, 177, 306 446, 430
9 10	Musical instruments and materials, not elsewhere specified. Musical instruments, organs	25 5	304 166	22 3	12	.3	7	141	De 155	Ja 128	155	145	10 114	57		472, 119 8, 545, 273
11 12	Musical instruments, planos	14 21	2, 419 1, 682	3 9	70 51	67 16	51 25	2,228 1,581	De 2,394		2,394 1,810	2,215 1,298	412	64	36	3, 707, 893
13 14 15	organ materials. Plano materials. Needles, pins, and hooks and eyes. Oil, not elsewhere specified.	15 6 7	1, 593 89 1, 492	5 4 1 7	38 13 42 20 8	15 1 34	25 40	1, 510 71 1, 375 146	De 1,695 Ap 4 75 De 1,658	Ja 1,258 Ja 63 Mh 1,217	1,723 87 1,370 162	1,220 78 482 147	403 9 856 14	64 13 1	36 19	3, 438, 653 269, 240 4, 337, 347 2, 067, 421
16 17 18			210 90 120	7 5 2	12	17 5 12 7	20 4 16	68 78	Do 78 De 84	Mh 63 Mh 72	78 84	78 69	14 54	1 4	10	1, 197, 922 869, 499 2, 691, 690
19 20 21	Mineral and composite oils Oilcloth, enameled Optical goods Ordnance and accessories	$\begin{array}{c} 4\\29\\4\end{array}$	375 4,744 2,604	15	20 219 128	189	6 239 250	$342 \\ 4,082 \\ 1,805$	Oc 411 De 4,373 Ja 3,937 De 298	Fe 252 Jy 3,683 Je 902	309 4,375 2,080	331 2,204 1,984	1,849	123 1	109	8 898 978
22 23	Paints. Paper and wood pulp. Paper exclusively. All other.	19 78 74	$\begin{array}{r} 418 \\ 14,524 \\ 13,602 \end{array}$	2 22 22	30 432 408	421 78 613 589	250 27 497 483	275 12,960 12,100	De 13,223	Mh 4 250 Fe 11,057	811 14, 115 13, 245	286 10, 498 9, 701 797	24 3, 571 3, 408	8 8	$ \begin{array}{c} 1 \\ 38 \\ 38 \end{array} $	22, 690, 853 2, 223, 528 88, 302, 299 81, 765, 700
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	All other. Paper goods, not elsewhere specified Patent medicines and compounds. Patent and proprietary medicines	97 5 58	922 2,307 1,072 760	17 56 30	24 93 115 78	24 82 118 83	14 146 179 137	860 1,969 604 432	Fe ⁴ 914 De ² ,189 No 523	No 834 My 1,838 Je 375	870 2,126 659 494	1,390 397 278	73 674 250 207	$10 \\ 7 \\ 5 \\ 2$	$52 \\ 5 \\ 4 \\ 1$	6, 536, 599 8, 767, 063 5, 384, 296 3, 878, 191
29 30	Patent and proprietary com-	39	312 725	26 11	37 37	35 22	42	172 648	Ja 193 Se 848	Mh 139 Fe 320	165 671	110 671	43			1,506,105 1,262,736 571,230
31 32	pointas, no bisswhere specified. Paving materials. Perfumery and cosmetics. Photo-engraving. Photographic materials. Pickles, preserves, and sauces. Preserves. Pickles and sauces. Pickles and sauces.	18 26 5	142 577 55	11 16	17 44 4	17 54	10 41 1	87 422 50	Ja 95 No 477 Jy 4 53	Fe 80 My 304 Fe 4 47	88 482 54	26 442 32	58 27 13	13 9		729, 787 172, 623
33 34 35 36	Pickles, preserves, and sauces Preserves.	33 18 15	645 575 70	18 6 12	43 39 4	63 61 2	41 39 2	480 430 50	De 466	Mh 395 Ja 38	524 469 55	268 237 31	243 223 20	9 5 4	4 4	3, 100, 895 2, 967, 554 133, 341
37 38	Plumbers' supplies, not elsewhere	•	554 573	2 3	16 28	26 50	41 32	469 460	Jy 69 No 514 De 554	Ja 412	498 555	451 507	41 36	5 11	1 1	704, 940 1, 161, 676
39 40	specified. Pocketbooks. Pottery. China, earthen, and stone ware.	10 8 5	442 178	12 5 2	17 9 8	18 7 · 7	14 8 7	381 149 133	De 434 Oc 146		434 157 139	116 131 122	301 23 14	8 8 8	14 	704, 537 446, 619 430, 796
41 42 43	All other Printing and publishing, book and jol	5 768	157 21 11, 102	3 705	1 598		1,275	$10 \\ 7,634$	No 4 18	Se 14	18 8,261	0 5,866	2,125	220 204	50 48	430, 796 15, 823 31, 978, 693
42 43 44 45 46 47 48	Job printing Book publishing and printing Book publishing without printing		8,363 1,402 1,107	10 10	412 53 119	227 286 370	398 298 573	6,674 746 17	De 7,246 Je 781 Ja 18	Jy 692 Oc 15	7,290 753 18	5,189 538 11	207	72	1	8, 222, 957 9, 297, 943
47 48 49	Linotype work and typestiting. Printing and publishing, music Printing and publishing. Publishing without printing Printing and publishing, newspapers	9 . 15 4	230 325 162	28 6 13 2	14 17 5	75 75 10	6 78 5	197 142 140	My 4 204 No 144	Ja 133	200 142 140	128 116 114	64 26 26	7	1	13, 823 31, 978, 693 14, 108, 795 8, 222, 957 9, 297, 943 348, 998 1, 100, 277 442, 571 747, 706 92, 964, 151
50 51			163 10,405	11 188	12	65 2,072	73 1,625	2 5, 885	(8) 2	(8) 2	6,155	2 5,077	861	207	10	22,001,101
52 53	Printing and publishing Printing, publishing, and job printing.	- 64 164	5,385 3,047	32 101		1,047 286	661 401	3, 466 2, 031	Oc 3,608 De 2,150	Ja 3,316 Ja 1,961	3, 584 2, 173	3,043 1,674	392 436	142 60	7 3	13, 223, 657 7, 047, 821
54 55	Publishing without printing	184	1,973 42		. 10	739 4 3	563 3 2	388 25	My 404 Se4 29	Fe 21	398 29 87	360 29 81	33 4	5		2,692,673 125,066 352,708
56 57 58	Pulp goods Pumps, steam Refrigerators Regalia, and society badges and em-	.1 7	90 2,690 132	1 8	10 92 15	174	143	74 2,280 93 103	Oc 88 Ja 2,881 Ap 101	Jy 1,959 Au 81	2,057 83 101	1,969	86	2		10,961,491 219,398
59 60	hlame		134 906	2	37	96	12	695	Fe 121 Se 800	Mh 87 Ap 610	698	47 674	54 23	1		228, 051 4, 468, 021 64, 948, 481
61 62	Roofing materials. Rubber tires, tubes, and rubber goods, not elsewhere specified. Saddlery and harness. Sausage, not made in slaughtering	47	12, 185 168	12	9	1,404	838 5	9,406 140	De 10,804 My 148	Ja 7,728	10,964 138	9,336 121	1,520	62 1	46	405, 487
63 64	and most peoling agtablighments		443 384	1		49 36	13 13	306 270	De 287	Jy 262	321 284	309 274	10	2		1,026,753 954,549
65 66 67	Sausage. Sausage. Sausage casings. Saws. Serews, machine. Serews, wood. Sewing machines and attachments.	7 15 23	59 1,016 680	10 12	33	. 13 141	77 29	36 753 593	Ja 4 37 De 889 Ja 701	Ap 4 35 Je 677	37 891 696	35 781 570	2		$\begin{array}{c} 1\\ 2\\ 6\end{array}$	72,204
68 69	Screws, wood. Sewing machines and attachments ¹ Includes water wheels and turbine	37	1,063 1,002	2	- 74 27	50 39	91 41	848 893	De 1,119 De 1,003	Jy 762 Fe 820	1,119 1,003	938 932	160 59	15 10	6 2	3, 195, 478 4, 528, 910

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

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPE	NSES.									OWER,				Ē
Sala	ries and w	ages.		Rent au	id taxes.	For mai	terials.		1		Prin	ary hor	sepow	er.		Elec-	
			For		Taxes,	- 1		Value of products.	Value added by manufac-			Own	ed.			tric horse- power gener-	
Officials.	Clerks, etc.	Wage earners.	contract work.	Rent of factory.	Federal, state, county, and local.	Principal materials.	Fuel and rent of power.		ture.	Total.	Steam en- gines (not tur- bines).	Steam tur- bines.	Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er.1	Rent- ed. ²	ated in estab- lish- ments report- ing.	
			THE ST	ATE—AI	L INDUS	STRIES CO	MBINED	AND SPEC	IFIED INI	OUSTRII	es-Cont	tinued.	· · · · · · · · · · · ·		<u>.</u>		
Dollars. 276,511 276,511 89,947	Dollars. 192,576 192,576 192,576	Dollars. 815, 704 811, 804 3, 900 178, 118	Dollars. 38,414 38,414 5,731	Dollars. 65, 897 65, 297 600 4, 512	Dollars. 431,029 430,167 862 21,421	Dollars. 4,016,553 4,003,093 13,460 330,143	Dollars. 63,804 63,576 228 23,764	Dollars. 8, 177, 397 8, 148, 345 29, 052 706, 725	Dollars. 4,097,040 4,081,676 15,364 352,818	1, 849 1, 842 7 1, 512	826 826 539		75 75 15	6 6 775	942 935 7 183	281 281	
25, 560 59, 109	11,965 14,037	78,960 547,234	6, 129	10, 131 42, 540	14,249 6,337	160, 165 224, 178	6,568 15,112	471,096 1,337,342	304, 363 1,098,052	177 459	78			1	98 447		
275, 167 81, 836	326, 401 91, 906	3,238,280 131,497		10, 281 16, 874	876,683 88,916	8, 229, 016 1, 649, 460	179, 342 25, 956	15,999,501 2,606,816	7,591,143 991,400	3,050 936	575 432			90 157	2, 385 347	385 8	
53,120	17,572	238,470	4,483	18,750	4,226	272,990	6,990	792,714	512,734	262	42		7	·	123		
34, 588 348, 484 248, 813	9,006 138,346 35,313	161,091 2,703,293 1,527,351	17,050	$\begin{array}{c} 720 \\ 102,478 \\ 42,143 \end{array}$	3,924 219,381 48,022	125,643 3,312,415 2,186,566	6,089 111,706 65,131	445,083 8,123,257 4,774,148	313, 351 4, 699, 136 2, 522, 451	$ \begin{array}{r} 167 \\ 2,502 \\ 1,793 \end{array} $	40 1, 812 1, 100	57	90 6	100 22	87 533 665	50 1,435 218	1111
$\begin{array}{c} 209, 950\\ 38, 803\\ 257, 508\\ 102, 793\\ 44, 741\\ 58, 052\\ 84, 258\\ 744, 006\\ 517, 672\\ 148, 157\\ 2, 081, 568\\ 1, 958, 004\\ 123, 504\\ 485, 328\\ 481, 893\\ 353, 159\\ 128, 734\\ \end{array}$	$\begin{array}{c} 34,233\\ 1,080\\ 01,191\\ 39,830\\ 14,782\\ 25,054\\ 30,484\\ 439,730\\ 1203,453\\ 1,419,544\\ 1,365,642\\ 53,902\\ 309,628\\ 370,279\\ 275,870\\ 94,409 \end{array}$	$1,446,517\\80,834\\1,337,310,317\\140,875\\80,600\\00,176\\324,758\\3,436,837\\2,789,639\\285,626\\14,642,413\\13,561,016\\1,081,397\\1,823,614\\1,081,397\\1,823,614\\38,41,561\\145,809\\$	70 1,521 2,800 2,800 7,500 46,233 26 24,881 24,881 24,881 24,881 24,916 23,570 15,500 8,070	41, 783 360 10, 744 4, 834 2, 508 38, 871 36, 661 33, 938 59, 038 57, 084 1, 364 57, 971 65, 542 49, 801 15, 741	$\begin{array}{r} 43,340\\ 4,676\\ 281,573\\ 64,227\\ 34,857\\ 29,370\\ 41,121\\ 184,656\\ 1,387,376\\ 86,403\\ 2,607,871\\ 2,383,716\\ 224,155\\ 378,938\\ 746,304\\ 684,664\\ 61,640\\ \end{array}$	$\begin{array}{c} 2,086,106\\ 100,460\\ 1,143,054\\ 3,483,621\\ 2,012,147\\ 1,471,874\\ 4,278,909\\ 3,272,948\\ 6,201,244\\ 2,031,725\\ 48,847,111\\ 40,132,502\\ 2,714,609\\ 8,379,837\\ 3,010,198\\ 1,953,165\\ 1,066,033\\ \end{array}$		$\begin{array}{c} 4,519,078\\ 255,070\\ 4,104,203\\ 4,303,915\\ 2,525,504\\ 1,835,111\\ 5,746,839\\ 12,038,057\\ 18,340,958\\ 3,047,675\\ 8,7169,800\\ 81,609,132\\ 5,460,755\\ 5,460,755\\ 13,552,933\\ 9,107,958\\ 6,781,896\\ 2,326,062\\ \end{array}$	$\begin{array}{c} 2, 377, 500\\ 144, 951\\ 2, 995, 445\\ 588, 606\\ 501, 891\\ 386, 775\\ 1, 405, 345\\ 8, 631, 702\\ 11, 918, 668\\ 1, 575, 348\\ 33, 386, 006\\ 31, 005, 623\\ 2, 300, 383\\ 4, 972, 139\\ 6, 650, 611\\ 4, 806, 305\\ 1, 244, 246\\ \end{array}$	$\begin{array}{c} \textbf{1, 619} \\ \textbf{174} \\ \textbf{980} \\ \textbf{312} \\ \textbf{177} \\ \textbf{135} \\ \textbf{1, 361} \\ \textbf{4, 887} \\ \textbf{7, 900} \\ \textbf{1, 087} \\ \textbf{134, 486} \\ \textbf{10, 837} \\ \textbf{7, 994} \\ \textbf{1, 196} \\ \textbf{912} \\ \textbf{284} \end{array}$	$\begin{array}{c} 1,100\\ 50\\ 148\\ 102\\ 46\\ 540\\ 345\\ 1,100\\ 643\\ 52,613\\ 2,185\\ 2,031\\ 636\\ 621\\ 15\end{array}$	4,021 625 15,045 14,745 1,500 1,500	6 22 22 22 12 7 7 7 7 4 129 29 100	22 	$\begin{array}{c} 497\\ 168\\ 930\\ 142\\ 53\\ 89\\ 821\\ 521\\ 6,175\\ 432\\ 25,133\\ 22,181\\ 2,952\\ 4,009\\ 411\\ 262\\ 149 \end{array}$	218 1,525 73 16,294 15,769 525 225 50 50	· 2
$130, 395 \\ 48, 854 \\ 132, 387 \\ 9, 550 \\ 169, 931 \\ 159, 034 \\ 10, 297 \\ 48, 522 \\ 107, 468 \\ \end{cases}$	35, 873 43, 202 118, 956 300 163, 070 157, 515 5, 555 116, 833 84, 731	$\begin{array}{c} 853,090\\ 68,265\\ 594,681\\ 40,679\\ 420,234\\ 370,146\\ 50,088\\ 494,620\\ 444,112\end{array}$	1,250 46,739 2,050	48, 283 13, 307 44, 652 7, 424 59, 026 56, 088 2, 938 940 7, 987	$\begin{array}{r} 34,715\\ 133,543\\ 14,411\\ 4,738\\ 124,404\\ 121,724\\ 2,680\\ 22,494\\ 36,347\end{array}$	$\begin{array}{c} 250, 140\\ 600, 922\\ 216, 553\\ 94, 129\\ 3, 973, 037\\ 3, 378, 863\\ 594, 174\\ 395, 347\\ 657, 612 \end{array}$	120,006 900 18,107 8,860 35,856 33,798 2,058 73,631 103,621	$\begin{array}{c} \textbf{1,811,810} \\ \textbf{1,229,460} \\ \textbf{1,589,729} \\ \textbf{218,705} \\ \textbf{0,253,818} \\ \textbf{5,419,796} \\ \textbf{834,022} \\ \textbf{1,340,284} \\ \textbf{1,788,180} \end{array}$	$1,441,664\\627,638\\1,365,009\\115,716\\2,244,925\\2,007,135\\237,790\\871,306\\1,026,947$	5,441 28 104 40 830 773 57 1,148 763	2,450 634 634 634 825 180		90	85	2,991 28 164 40 196 139 57 323 408	10 219 219 120 35	60 60 60 60 60 60 60 60 60 60
$118, 525 \\ 15, 125 \\ 14, 700 \\ 425 \\ 2, 061, 109 \\ 1, 345, 938 \\ 135, 548 \\ 536, 405 \\ 43, 218 \\ 78, 407 \\ 14, 300 \\ 59, 107 \\ 2, 457, 055 \\ 15, 105 \\ 15, 105 \\ 15, 105 \\ 1$	$\begin{array}{r} 81, 310\\ 10, 688\\ 9, 823\\ 886\\ 2, 649, 370\\ 755, 400\\ 734, 524\\ 1, 151, 132\\ 8, 314\\ 162, 813\\ 16, 558\\ 146, 255\\ 4, 544, 556\end{array}$	$\begin{array}{c} 259, 623\\ 159, 195\\ 149, 451\\ 9, 744\\ 8, 246, 000\\ 7, 214, 297\\ 835, 374\\ 13, 331\\ 182, 097\\ 123, 871\\ 129, 671\\ 129, 671\\ 3, 800\\ 8, 086; 782 \end{array}$	4,299 50 50 3,735,801 226,170 226,170 3,500,727 300 546,107 248,859 207,248 1,842,154	$\begin{array}{c} & 9,887\\ & 2,301\\ & 1,800\\ & 501\\ & 674,254\\ & 560,208\\ & 16,161\\ & 86,585\\ & 11,310\\ & 40,437\\ & 12,500\\ & 33,937\\ & 605,625\\ \end{array}$	$17, 385 \\ 3, 251 \\ 3, 215 \\ 36 \\ 598, 515 \\ 323, 856 \\ 23, 986 \\ 23, 986 \\ 217, 226 \\ 3, 447 \\ 48, 502 \\ 19, 704 \\ 26, 858 \\ 1, 124, 667 \\ 1, 124, 124, 667 \\ 1, 124, 124, 124 \\ 1, 124, 124, 124 \\ 1, 124, 124, 124 \\ 1, 124, 124, 124 \\ 1, 124, 124, 124 \\ 1, 124, 124, $	$\begin{array}{c} 612,010\\ 91,141\\ 90,306\\ 835\\ 12,606,733\\ 8,221,035\\ 2,052,936\\ 2,301,064\\ 31,698\\ 303,188\\ 187,787\\ 115,396\\ 16,029,925\\ \end{array}$	$\begin{array}{c} 5,138\\ 21,236\\ 19,812\\ 1,424\\ 328,352\\ 292,602\\ 27,887\\ 2,356\\ 5,447\\ 3,850\\ 3,382\\ 18\\ 443,230\\ \end{array}$	$\begin{matrix} 1, 324, 791\\ 367, 590\\ 346, 975\\ 20, 615\\ 41, 626, 859\\ 23, 605, 981\\ 6, 231, 193\\ 11, 295, 719\\ 493, 966\\ 1, 708, 990\\ 739, 322\\ 969, 668\\ 46, 801, 145 \end{matrix}$	$\begin{array}{c} 707, 643\\ 255, 213\\ 236, 857\\ 18, 356\\ 28, 691, 774\\ 15, 092, 284\\ 4, 150, 370\\ 8, 992, 299\\ 456, 821\\ 1, 401, 957\\ 547, 703\\ 854, 254\\ 30, 327, 990\\ \end{array}$	80 407 401 6 8,212 7,178 886 11 137 147 144 3 10,267	330 330 1,973 1,248 725 1,073		50 50 251	2 2 2	80 77 71 6 6,187 5,878 161 11 137 147 144 3 8,922	1,555 705 850	8 4 4 4 4 4 4 4 4 4 4 5 5
	2,304,860 665,886	5,157,267 2,250,515	23,454 84,747	262, 265 184, 903	898, 349 105, 386	11,461,002 2,223,762	255,076 158,200	28,733,277 7,837,031	17,017,199 5,455,069	5,447 4,087	193 880	· · · · · · · ·	35 216	2 19	5,217 2,972	417 417	5
786, 949 36, 170 23, 806 398, 557 34, 950 21, 104	$1,578,810 \\9,516 \\12,988 \\325,917 \\10,656 \\18,244$	673,000 28,931 88,797 2,856,619 110,418 92,263	1,733,953 1,411 11,699	158,45710,5535006,6905,39012,894	120, 932 16, 371 11, 520 491, 048 2, 023 3, 719	2,345,161 128,021 278,541 4,455,891 183,018 171,495	$\begin{array}{r} 29,954\\ 2,150\\ 39,943\\ 231,330\\ 3,444\\ 2,915 \end{array}$	$10,230,837 \\275,054 \\491,297 \\10,335,573 \\420,507 \\398,294$	7,855,722 144,883 172,813 5,648,852 234,045 223,884	733 21 689 5,652 205 69	165 250 125	2,000	160 38	40	733 21 524 3,202 42 69		5555555
160,233	269,831	812,860 11,682,183	965 667	4,002 46,266	99, 133 2, 852, 417	3, 865, 226 45, 889, 938	129,054 1,186,045	6,706,091 93,376,505	2,711,811 46,300,522	1,879 34,358	200 9,253	825	57	940	1,679 23,283	965	e
19,580 50,222	8,852 73,749	158, 568 397, 346	350	5,326 44,743	15, 167 18, 943	457, 309 4, 166, 988	8, 196 55, 584	778,809 5,296,356	313, 304 1, 078, 784	106 1,151	25 72		5		81 1,074		(
50, 222 140, 824 148, 229 118, 724 122, 843	55,189 18,500 319,860 33,607 94,090 68,533	351, 842 45, 504 910, 168 685, 956 818, 987 856, 992	350 21,001 704 965	38,627 6,116 4,478 20,496 8,039	17, 584 1, 359 540, 579 51, 827 337, 492 81, 846	$\begin{array}{r} 3,701,322\\ 465,666\\ 1,632,162\\ 863,198\\ 1,126,859\\ 1,284,407 \end{array}$	50, 570 5, 014 101, 495 55, 372 58, 931 42, 818	4,711,028 585,328 4,188,590 1,998,587 3,706,084 2,870,883	959,136 114,648 2,454,933 1,080,017 2,520,294 1,543,658 e number re	$1,024 \\ 127 \\ 2,012 \\ 1,294 \\ 2,040 \\ 1,537$	•••		5 15 7	382	967 107 1,997 1,294 1,865 48	193 371	6 6 6 6 6 6

⁸ Same number reported throughout the year.

Same number reported for one or more other months.

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

				PERS	ONS EN	GAGED	IN THE I	NDUSTRY.		NEAR	GE EARN EST REP	RESENT	ATIVE	DAY,	
	Num			Sala- ried	Clerk	s, etc.		Wage earn	ers.	 	16 an	d over.	Und	er 16.	
INDUSTRY AND CITY.	Num- ber of estab- lish- ments	Total.	and firm	offi- cers, super- in- tend- ents,	Male.	Fe- male.	Aver- age num- ber.	Maximum month.	Minimum month.	Total.	Male.	Fe- male.	Male.	Fc- male.	Capit
THE	STATE	-ALL 1	INDUS	TRIE	S COM	BINEI	D AND	SPECIFIEI) INDUSTR	IES—Co	ntinued.		1		1
Shipbuilding,wooden, including boat building.	55	1,073	50	41	31	23	928			582	581	1			Dollar 2, 573,
New vessels. Repair work only. Small boats. Masts, spars, oars, and rigging. Shirts Show cases. Signs and advertising novelties. Electric and other signs. Advertising novelties. Silk goods, including throwsters. Finished products. Throwsters and winders. Silversmithing and silverware.	$ \begin{array}{c} 21 \\ 15 \\ 0 \\ 21 \\ 15 \\ 15 \\ 6 \\ 18 \\ \end{array} $	$\begin{array}{c} 848\\ 107\\ 90\\ 28\\ 1,153\\ 63\\ 395\\ 199\\ 196\\ 6,141\\ 4,499\\ 1,642\\ 2,180\\ 4,926\\ 1,583\\ 1,583\\ 1,583\end{array}$	9 17 19 5 10 8 12 8 4 14 10 4 7 33 8 8 6	27 9 4 1 22 3 9 22 7 139 90 49 61 87 108 58	27 1 3 16 2 23 13 10 178 167 11 114 391 264 50	13 3 5 2 15 4 22 12 10 113 89 24 108 185 71 3	772 77 59 20 1,090 309 144 165 5,697 4,143 1,554 1,876 4,307 1,008 1,397	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Ja 41 Ja 16 Au 1,016 Ja 41 Ja 112 Fe 140	$\begin{array}{c} 429\\ 64\\ 68\\ 21\\ 1,146\\ 43\\ 357\\ 147\\ 210\\ 6,813\\ 4,590\\ 2,223\\ 2,035\\ 3,981\\ 1,189\\ 1,684\end{array}$	429 64 20 177 41 223 135 88 2,518 1,378 1,140 1,595 3,868 783 1,178	1 962 1 102 3,880 2,843 1,037 365 105 370 444	 1 1 4 1 3 131 110 21 51 8 10 47	28 28 1 27 284 259 25 24 25 24 26 15	$\begin{array}{c} 2,043,\\311,\\111,\\100,\\1,093,\\147,\\517,\\261,\\20,251,\\6,303,\\8,058,\\42,216,\\14,002,\\4,153,\\1553,\\16,553,\\16,16,16,16,\\14,002,\\14,$
Slaughtering and meat packing Soap	7 4 3 19 30	77 23 54 807 4,232 81	8 2 6 0 14 11	9 3 6 67 199 6	6 4 28 28 389	$3 \\ 2 \\ 1 \\ 30 \\ 325 \\ 2$	51 12 39 676 3,305 62	No ³ 16 Ja ³ 41 De 800 De 3,628 De 69	Ja ³ 9 Ap 36 My 611 Ap 3,077 Ja 55	58 17 41 800 3,028 69	58 17 41 730 1,402 69	51 2,092	23 44	2 90	85, 107, 1,996, 8,878,9
fied. Statuary and art goods. Steam fittings and steam and hot- water heating apparatus. Steam packing	23 9 12 9 15 12 3 4 55	4, 885 147 47 250 1, 567 1, 550 17 520 1, 498	12 5 11 7 2 1 1 1 36	218 17 5 17 56 53 30 119	281 17 2 11 79 79 79 47 93	853 13 11 44 42 2 44 62	3, 521 95 28 204 1, 386 1, 375 1, 188	De 3,002 No 123 De 33 De 227 De 1,549 Je 14 De 525 De 1,314	Jy 3,121 My 79 Ja 25 Ja 179 Fe 1,242 Ap 8 My 314 Jo 1,035	$\begin{array}{c} 0.0\\ 3,904\\ 106\\ 33\\ 226\\ 1,561\\ 1,561\\ 1,549\\ 12\\ 525\\ 1,312\\ \end{array}$	3,694 83 33 202	198 22 16 5 5 31 31 3	1 8 13 13 13	6	$\begin{array}{c} 164,1\\ 12,383,9\\ 415,6\\ 49,4\\ 290,6\\ 4,757,0\\ 4,557,0\\ 09,3\\ 1,557,3\\ 4,596,8\end{array}$
Tinware, not elsewhere specified Tobacco, cigars and cigarettes	$16 \\ 262$	755 3,317 19,378 1,051 3,418 3,386 32 43 8,552	8 19 71 13 277 272 5 5 99	28 118 490 33 83 81 2 5 339	$30 \\ 99 \\ 861 \\ 47 \\ 77 \\ 77 \\ 77 \\ 77 \\ 207 \\ 207 \\ 100 \\$	80 116 543 43 35 33 2 1 1	609 2,965 17,413 915 2,946 2,923 23 30	Ja 943 De 3,282 Oc 19,297 Ja 988 Fe 3,389 Ap ⁸ 24 De 36	My 464 Fe ~2,733 Ap 15,399 Au 832 Jy 1,358 Oo ⁸ 21 My 26	4, 698 4, 676 22 36	750 3, 503 3, 550 13 23	286 2,130 1,058 183 1,132 1,123 1,123 9 12		29 105 30 1 1	3,744,2 10,155,3 76,759,6 3,713,2 6,097,1 5,944,9 152,1 184,6
Cigars. Cigarettes. Tobacco, smoking, and snuff Machinists' tools. All other Trunks and valises. Umbrollas and canes. Upholstering materials, not else- where specified. Imitation leather and leathered.	40 77 30 26 7 6	4, 403 4, 149 1, 860 753 71 164 133	28 71 10 28 8 5	539 123 216 74 35 3 10 9	397 157 240 28 47 4 2 1	491 305 186 100 29 6 8 7	7,226 3,790 3,436 1,642 614 50 139 116	De 3,010 De 3,615 Jy 1,886 Se 702 No ³ 82 De 148	My 3,710 Je 3,348 Ja 1,260 Ja 504 Ja 21 Je 97	7,575 3,898 3,677 1,055 684 83 170	0,037 3,327 3,310 843 480 37 167	773 403 310 637 180 45 3	$ \begin{array}{c} 62 \\ 51 \\ 73 \\ 12 \\ 1 \end{array} $	52 46 0 102 12	$\begin{array}{c} 32,682,5\\19,546,8\\13,135,6\\8,723,1\\1,487,3\\189,2\\1,269,6 \end{array}$
All other	3 14 75 69 6 6	31 556 204 35 169 144 261	5 3 86 6 80 2 7	1 52 11 11 16 4	1 119 5 5 3 2	$ \begin{array}{c} 7 \\ 1 \\ 66 \\ 13 \\ 4 \\ 9 \\ 9 \\ 12 \\ \end{array} $	$\begin{array}{c} 23\\ 316\\ 89\\ 25\\ 64\\ 114\\ 236\\ \end{array}$	Ja 27 Fe 342 Oc 47 Oc 162 No 124 No 266	Je 97 Jy 20 Jy 277 Ja ³ 15 Ap 30 Jy ³ 107 Ja 214	$ \begin{array}{c} 148 \\ 22 \\ 300 \\ 215 \\ 25 \\ 190 \\ 118 \\ 259 \\ \end{array} $	$\begin{array}{c} 147 \\ 20 \\ 272 \\ 173 \\ 24 \\ 149 \\ 88 \\ 69 \\ \end{array}$	1 . 2 . 34 . 39 . 30 . 180 .	3 1	2	1,203,9 65,6 4,097,9 820,4 348,5 471,8 1,097,0 402,0
Whips. Window and door screens and weather strips. Window and door screens Weather strips. Window shades and fixtures Wire work, not elsewhere specified Wood, turned and carved Wood, not elsewhere speci- fied.	15 17 13 4 11 9 27 46 15	804 88 84 91 5,715 1,700 832 400	16 16 15 1 10 4 13 47 16	22 3 3 5 89 53 19 17	100 5 5 239 82 11 14	40 4 1 1 180 82 13 12	626 60 58 2 68 5,203 1,470 742 341	Jy 95 Ja ³ 3 De 83 De 5,905 Ja 1,569 De 786	Ap 604 Fe 35 Ap * 1 Se 55 Je 4,910 Jy 1,396 Je 698 Se 333	651 51 48 3 83 5,905 1,552 786 348	431 48 45 3 60 5,525 1,074 699 32	192 2 2 2 325 405 42 23	1 37 50 45	13 1 1 18 23	2, 322, 30 171, 95 160, 50 11, 33 295, 58 22, 027, 38 6, 286, 10 1, 387, 21 1, 011, 20

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' COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

	· .		EXPE	NSES.			×4.		. •			РО	WER.				
Sala	ries and wa	ages.		Rent and	d taxes.	For mat	erials.	s are			Prima	ary hors	sepower	•		Elec-	
			_					Value of products.	Value added by manufac-			Ow	ned.			tric horse- power gener-	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Providence in the second s	ture.	Total.	Steam en- gines (not tur- bines).	Steam tur- bines.	Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er. ¹	Rent- ed. ²	ated in estab- lish- ments report- ing.	
			THE ST	ATE—AL	L INDUS	TRIES CO	MBINED	AND SPEC	IFIED INI	USTRIE	S-Conti	inued.					
Dollars. 127, 831	Dollars. 48,752	Dollars. 1,401,973	Dollars. 4,657	Dollars. 24,166	Dollars. 64,160	Dollars. 1,954,938	Dollars. 22,783	Dollars. 4, 191, 573	Dollars. 2,213,852	2,074	653	 • • • • • • • • •	251		1,170		1
97,041 22,795 7,175 820 36,889	39,749 2,733 4,540 1,724 24,303 8,009	1, 210, 331 97, 859 73, 431 20, 352 781, 297	4,589 68 77,998 184	13,7296,4623,18379212,7025,162	55,950 5,748 1,431 1,025 64,481 803	1,765,64484,18670,57234,5362,847,727183,052	15,286 4,466 1,433 1,598 16,893 4,351 7,076	$\begin{array}{r} \textbf{3, 653, 598} \\ \textbf{251, 580} \\ \textbf{200, 732} \\ \textbf{85, 663} \\ \textbf{5, 107, 697} \\ \textbf{296, 872} \end{array}$	$1,872,668\\162,928\\128,727\\49,529\\2,243,077\\109,469\\717,152\\400050$	1,549 348 112 65 407 117	473 180 		115 98 38 25		961 70 74 65 42 92	127	
9,434 70,772 50,722 20,050 574,927 472,828 102,099 273,830 350,184 367,966 131,948	$\begin{array}{c} 24,303\\ 8,608\\ 89,426\\ 37,109\\ 52,227\\ 500,575\\ 501,543\\ 59,032\\ 422,032\\ 422,032\\ 686,928\\ 391,135\\ 153,533\\ 6,065\end{array}$	53, 448 318, 041 103, 599 124, 442 5, 030, 601 3, 576, 700 1, 462, 901 1, 976, 151 5, 391, 004 984, 138 1, 247, 570	$12,649 \\ 11,541 \\ 1,108 \\ 1,370,674 \\ 1,344,488 \\ 26,180 \\ 5,114 \\ 109,110 \\ 41,912 \\ 109,12 \\ 100,110 \\ 100,100 \\ 100,100 \\ 100,100 \\ 100,100 \\ 100,100 \\ 100,100 \\ 100,100 \\$	$\begin{array}{c} \mathbf{20, 186} \\ \mathbf{14, 742} \\ \mathbf{5, 744} \\ \mathbf{15, 689} \\ \mathbf{11, 292} \\ \mathbf{4, 397} \\ \mathbf{18, 974} \\ \mathbf{55, 756} \\ \mathbf{22, 807} \\ \mathbf{0, 789} \\ \mathbf{3, 438} \end{array}$	8,226 5,120 3,106 797,824 525,643 272,181 141,881 542,061 1,104,860 106,803	70,672 34,636 2,847,727 183,652 355,434 155,834 175,600 19,000,721 13,073,320 5,327,305 5,327,305 5,322,485 100,663,710 10,847,702 2,938,946 77,408	7,076 3,190 3,886 242,762 162,567 90,195 98,699 581,630 325,440 64,556	$\begin{array}{c} 3, 653, 598\\ 251, 580\\ 200, 732\\ 85, 663\\ 5, 107, 607\\ 296, 872\\ 1, 059, 662\\ 633, 988\\ 425, 679\\ 34, 109, 961\\ 25, 810, 966\\ 8, 382, 985\\ 8, 484, 941\\ 110, 238, 638\\ 18, 729, 572\\ 5, 774, 346\\ 5, 774, 346\\ 5, 216, 569\\ \end{array}$	717,152 470,959 246,193 14,950,468 11,985,073 2,965,395 4,653,757 9,002,698 7,556,340 2,770,844 132,274	198 61 137	2,469 1,609 860 1,070 3,345 597 520	410	$ \begin{array}{c} 600 \\ 635 \\ 25 \\ 14 \\ . 14 \end{array} $	1,749 1,299 450 200 	198 61 137 4,933 2,811 2,122 573 4,281 2,188 1,018 150	1,459 1,152 307 610 268 70 250	
24, 448 5, 424 19, 024 272, 193 769, 453	2,454 3,611 69,310 1,089,209	60,058 13,947 46,111 768,775 2,619,452	836 89,484	1,478 1,960 29,057 98,075	1,797 258 1,539 91,885 700,378	40,690 36,718 1,042,138 7,167,757	1,728 5,159 38,442 97,260	73,975 142,594 2,630,607 15,161,819	31, 557 100, 717 1, 550, 027 7, 896, 802	53 103 903 1,500	250 365		18	210	53 103 653 907	 5 280	1222
11, 180 675, 504	1,970 566,585	84,826 3,967,954	1,318 1,907	8,259 14,658	3,174 609,683	44,435 5,136,372		208,295 13,472,559	162,780 8,028,444	4,795	1, 254 55		. ```i		3,540 123	811	22
70, 562 12, 287 62, 908 209, 666 203, 806 5, 860 123, 872 444, 072	40, 342 3, 395 19, 806 230, 932 229, 934 998 92, 330 223, 282	107,558 27,588 245,310 1,785,095 1,771,435 13,660 476,532 1,509,096		3,380 6,788 18,249 5,013 4,305 648 4,483 34,700	$\begin{smallmatrix} 15,233\\1,091\\2,809\\176,310\\175,718\\592\\126,393\\138,433 \end{smallmatrix}$	$\begin{array}{r} 346,999\\ 22,776\\ 125,734\\ 1,550,900\\ 1,515,905\\ 34,995\\ 592,579\\ 3,251,538\end{array}$	15,512 1,570 18,527 119,952 119,313 639 19,489 95,368	$\begin{array}{r} 686,389\\ 106,178\\ 640,364\\ 5,577,181\\ 5,509,499\\ 67,682\\ 1,934,267\\ 6,686,528\end{array}$	$\begin{array}{r} 323,878\\ 81,832\\ 502,103\\ 3,906,329\\ 3,874,281\\ 32,048\\ 1,322,199\\ 3,339,627\end{array}$	173 584 2,429 2,418 11 544 2,454	1,002 1,002 148 480		150	10 10	17 584 1,417 1,406 11 396 1,824	57 57 57 480	
145,699 581,715	118, 247 313, 490	531, 904 2, 469, 532	85,432	25, 834 43, 355	42,012 657,456	4, 302, 308 8, 214, 920	43, 312	6, 571, 531 14, 971, 600	2, 225, 911 6, 620, 565	728 1,956	300 1,133			40	428 783	124 234	
2,209,299 95,563 200,303 197,716 2,587 19,400 1,234,400 575,163 (559,243 271,535 109,556 8,915 37,585	$1,545,893 \\102,657 \\136,435 \\135,425 \\1,010 \\3,400 \\1,117,273 \\535,846 \\581,427 \\125,003 \\133,687 \\$	$\begin{array}{c} 20,712,227\\ 008,389\\ 3,327,209\\ 3,300,947\\ 20,262\\ 27,153\\ 8,363,949\\ 4,321,030\\ 4,042,919\\ 1,100,781\\ 541,587\end{array}$	81,603 545 545 545 545 545 545 45,424 13,449 20,699	$\begin{array}{c} 66,712\\ 37,718\\ 97,510\\ 93,475\\ 4,035\\ 2,540\\ 82,022\\ 20,328\\ 52,694\\ 19,580\\ 20,690\\ 20,690\\ 5,900\end{array}$	$\begin{array}{c} 1,429,907\\ 1,405,303\\ 24,604\\ 74,870\\ 2,852,462\\ 2,002,238\\ 850,224\\ 110,310\\ 64,532\\ 1.549\end{array}$	4,248,492 1,841,600 1,842,242 272,168 917,400	27,425 20,298 19,876 422 1,209 530,674 208,636 322,038 51,470 2,909 39,260	1 1,407,040	202, 191 21, 171, 417 11, 667, 789 9, 503, 628 2, 811, 185 1, 356, 322 160, 460 510, 971	$ \begin{array}{c} 172\\ 165\\ 7\\ 143\\ 14,607\\ 5,203\\ 9,314\\ 1,716\\ 88\\ 63\\ \end{array} $	12, 134 120 25 2, 930 1, 600 1, 330 610 135	685	24 24 102	1,816 100 1,713 498 1,215 185 187	$\begin{smallmatrix} 6,972\\308\\148\\141\\7\\18\\9,177\\3,160\\6,017\\921\\88\\63\\444\\\end{smallmatrix}$	6,434 75 4 935 775 160 15 	•
85,985 1,600 276,919 27,300 27,300 84,629 6,356	$\begin{array}{c} 6,519\\ 2,240\\ 300,279\\ 12,143\\ 2,772\\ 9,371\\ 12,554\end{array}$	136,030 21,273 302,933 99,405 31,450 67,949 101,987	3 3 3 3 3 3 3 3 3 3 40 3 3 40 3 3 40 3 40 3 40 3	- 667 - 1,200 - 4,421 - 4,022 - 112 - 3,910 - 13,775	32, 390 964 380, 194 21, 500 1, 969 19, 531 11, 141	867,97 49,42 3,569,24 706,93 252,87 454,00 1,408,96	34,966 4,303 4,303 4,303 1,4,205 3,282 1,0,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923 1,10,923	1,375,055 92,585 6,159,199 1,263,902 384,065 879,837 1,751,743 339,027	472, 110 38, 861 2, 558, 153 542, 766 127, 915 414, 865 325, 296 263, 785	122 557 1,140 140	90 45 9 299 110 189 225		249	167 20 317 317 375 6	387 57 648 275 30 245 170 47		•
111, 587 5, 980	303,684	498,013	12,287	15, 579 4, 222	49,858 1,951	938, 80 78, 52	28,793 4,050	2,685,313 202,753	1, 717, 711 120, 17	231	130 70		1.1	35 40	545 61	1	•
5,980 11,453 409,217 217,034 84,383 40,876	520 11,890 737,190 220,270 29,101	2, 36 59, 650 7, 353, 06 1, 308, 578 612, 24	7 4,380 8 1,010 5 690	1,160 4,196 46,222 5 29,603 5 9,514	72 1, 982 469, 923 153, 413 61, 861	4,20 349,99 10,774,68 1,613,00 983,33	4 2,169 9 1,098,930 9 93,454 6 18,476	542,033 24,552,410 4,518,865 2,256,046	114, 33 5, 840 189, 870 12, 678, 79 2, 812, 40 1, 254, 23 714, 74	1 1 166	70 7,577 1,122 1,187 1,107	2,210		130 200 315		1,060	

Same number reported for one or more other months.

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

*

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122

				-	PERSC	ONS ENG	AGED I	N THE IN	idustry.			ie earn est rep				
					Sala-	Clerk	s, etc.		Wage earn	ers.		16 and	l over.	Und	er 16.	
	INDUSTRY AND CITY.	Num- ber of estab- lish- ments	Total.	Pro- prie- tors and firm mem- bers.	ried offi- cers, super- in- tend- ents, and man- agers.	Male.	Fe- male.	Aver- age num- ber.	Number, 1 Maximum month.	5th day of— Minimum month.	Total.	Male.	Fe- male.	Male.	Fe- male.	Capital.
	THE	STATI	E—ALL	INDU	STRIE	S COM	BINE	D AND	SPECIFIEI) INDUSTR	IES—Co	ntinued	•	1	J	<u> </u> 1
1 2 3 4 5	Wool scouring. Wool shoddy. Woolen goods Worsted goods All other industries *	$13 \\ 23 \\ 111 \\ 71 \\ 172$	1,074 740 18,664 37,997 40,616	4 16 50 32 66	43 53 625 789 899	9 32 202 385 1,668	6 16 219 495 1,197	1, 012 623 17, 568 36, 296 36, 786	De 1, 195 De 677 Se 20, 235 De 43, 872	Fe 12, 544 Fe 23, 755	1, 195 711 20, 242 43, 245	13,950 22,629	34 65 5,833 17,905	1,124	1,087	Dollars. 2, 679, 702 4, 731, 554 77, 495, 511 190, 353, 441 145, 814, 475
Agr Art Asl Bal Bal Blu Bo	* All other industries embrace- oplanes, seaplanes, and airships, and parts	Cars, ope Cash chin Charc in tior Chees Chew	les ing and p board, no steam-re rations of registers nes oal, not ind lumb b ind ustri 6 ing gum	ilroad, frailroad and c includ or and es	not i ad com alcula ing pr wood	oductio distille	lg 2 - 3 n 3 - 2 - 1 - 2	Collars a Condens Crucible Dairymd plies. Drug gri Engines Engrave Engrave Engravi Fertilize	nd cuffs, mo ed milk. s, graphite en's and po nding , steam, gas, rs' materials ng, wood ves rs.	gas-house cok m's ultrymen's s and water	1 2 1 1 1 1 1 1 4 4 4 4 3 1 1 1 2	Galvar Gas m mete Glass. Gloves eludi mills Glucos	and in ang glo	s and nittens ves m arch	gas a , cloth ade in	3 1
1	BOSTON—All industries	3,077	110,713	2,436	4,691	8,205	6,622	88,759	Do 98,522	Je 85,220	95,495	62,165	30, 113	1,349	1,868	351, 261, 054
23456789101111213	Artificial limbs. Artificial stone products. Automobile bodies and parts. Automobile bodies and parts. Automobile repairing. Awnings, tents, and sails Belting, leather. Backing, stains, and dressings. Booksinding and blank-book making Boot and shoe cut stock. Boots and shoe findings. Boots and shoes not including rub- ber boots and shoes. Boxes, sot-up paper boxes and car- tons.	6 4 22 32 21 3 14 52 23 20 14 21	38 82 320 779 226 64 194 1,412 1,122 1,122 501 7,097 1,077	3 4 16 16 19 40 14 7 2 15	5 4 18 14 10 14 57 50 40 130 48	3 4 16 44 8 10 42 52 53 27 310 9	3 2 13 21 15 5 14 51 28 19 503 34	24 68 257 684 108 39 114 1,212 977 408 6,140 971	Au 27 Se 72 De 304 Je 738 Je 236 No 42 Se 119 No 1,265 Jy 1,059 Se 447 My 6,941 No 1,059	Ja 218	20 66 305 707 150 40 121 1,275 920 425 6,473 1,066	20 66 303 691 94 38 75 524 789 243 3,095 268	$\begin{array}{c} & & & \\$		2 17 3 4 386 83	96, 631 120, 107 631, 001 705, 672 442, 982 552, 552 603, 778 1, 330, 925 10, 661, 723 1, 528, 005 18, 789, 753 1, 148, 885
14 15 16 17 18 19 20	Brass, bronze, and copper products Bread and other bakery products Bruthes. Buttons. Canning and preserving, fish Carriages and wagons, including re- pairs. Cars and general shop construction and repairs by steam-railroad com-	10 5 6 8	270 3,588 815 31 137 210 1,955	20 318 9 5 2 8	21 50 23 1 8 11 40	6 334 24 7 7 7 51	5 88 37 4 5 3 4	218 2,798 722 21 115 181 1,860	De 237 De 2,979 De 848 My 27 Oc 167 Mh 205 Fe 1,947	Fe 15 Ja 95 Ja 144	237 2,980 850 21 122 178 1,923	237 1,077 377 7 67 178 1,885	096 473 14 53 38	0	7 2 	448,238 4,988,685 3,193,109 11,487 361,936 234,102 1,856,997
21 22 23 24 25 26 27 28 29 30 31 32	panies. Chemicals. Chenicals. Cleansing and polishing preparations. Metal polish. All other Clothing, men's. Men's and youths'. All other Contract work. Clothing, women's. Suits, skirts, and cloaks. Shirt waists, dresses, and wrap-		91 1,823 71 29 42 5,100 2,918 1,178 1,094 4,580 937 2,227	2 6 3 193 59 39 95 201 58 70	12 25 8 1 7 126 84 42 146 26 67	$ \begin{array}{c} 11\\ 111\\ 14\\ 6\\ 8\\ 209\\ 154\\ 54\\ 1\\ 182\\ 40\\ 93\\ \end{array} $	$ \begin{array}{c} 11 \\ 43 \\ 12 \\ 5 \\ 7 \\ 126 \\ 75 \\ 48 \\ 3 \\ 169 \\ 35 \\ 83 \\ \end{array} $	55 1,644 31 14 17 4,536 2,546 2,546 2,546 995 3,882 783 1,914	De 81 Jy 1,795 Ja ³ 15 Jy ³ 18 Oc 2,923 De 1,137 De 1,050 Oc 882 Mh 2,046	Je 12 Au 15 Ja 1,943 Ja 834 Je 940 Ja 655	81 1,543 31 13 5,128 2,917 1,155 1,050 3,913 709 1,777	$\begin{array}{r} 62\\ 1,103\\ 22\\ 5\\ 17\\ 2,005\\ 1,725\\ 303\\ 577\\ 1,080\\ 504\\ 278\end{array}$	18 429 8 7 1 2,390 1,172 748 470 2,770 233 1,408	1 1 1 8 3 2 3 1	10 35 17 12 0 50 2 31	$\begin{array}{r} 420, 420\\ 11, 515, 501\\ 340, 909\\ 83, 379\\ 307, 530\\ 15, 535, 105\\ 8, 883, 284\\ 6, 511, 508\\ 140, 318\\ 6, 501, 383\\ 1, 503, 337\\ 2, 749, 079 \end{array}$
33 34 35 36	Undergarments and petticoats. All other Contract work. Coffee and spice, roasting and grind-	21 36 15 14	513 787 116 785	23 36 19 15	16 36 1 36	16 82 1 197	20 27 4 56	438 656 91 481	De 490 Oc 743 No 118 Au 521	Je 64	490 755 92 516	67 113 64 815	409 633 27 194	1	14 9 7	$1,347,546\\884,632\\16,789\\5,436,919$
37 38 39 40 41 42 43 44 45	ing. Confectionery and ice cream. Confectionery. Lee cream. Copper, tin, and sheet-fron work. Cordials and flavoring sirups. Cotton goods. Druggists' proparations. Drugsists' proparations. Dyestuffs and extracts—natural. Electrical machinery, apparatus, and supplies.	54 14 50 8 9 9 11 32	$\begin{array}{c c} 9,438\\ 9,318\\ 120\\ 1,172\\ 943\\ 2,141\\ 109\\ 3,084 \end{array}$	$ \begin{array}{c} 47 \\ 35 \\ 12 \\ 51 \\ 3 \\ 1 \\ 2 \\ 6 \\ 12 \\ \end{array} $	343 338 5 99 12 36 81 16 127	398 397 1 104 11 22 229 19 211	392 388 4 104 15 10 432 11 209	8,258 8,160 98 814 53 874 1,397 57 2,525	Oc 8,952 Jy 121 De 936 Au 60 De 893 Fo 1,766 De 67 Ja 2,879	Ja * 83 My 744 Se 39 Oc 853	$\begin{array}{r} 8,385\\ 8,300\\ 85\\ 940\\ 51\\ 896\\ 1,517\\ 59\\ 2,627\\ \end{array}$	2,343 2,262 81 895 31 385 726 50 1,618	5,035 5,031 4 32 20 440 785 971	172 172 111 34 3 33	835 835 2 	$18,859,508\\18,348,563\\510,945\\2,144,093\\522,869\\4,581,709\\14,650,290\\655,685\\9,381,839$
46 47 48	Electrophes. Electrophating Engraving and diesinking. Engraving, steel and copper plate, in- cluding plate printing. Includes water wheels and turbings	17	137 87 400	24 14 11	3 1 14	6 5 13	5 6 25	99 61 337	De 124 De 64 Oc 417	Ja 80 Ja 57 Fe 299	124 65 358	117 52 154	1 7 165	6 6 16	23	96, 961 09, 280 355, 869

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

N

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPE	NSES.		· · · · ;		1 A.				PO	WER.			
Sala	eries and w	ages.		Rent an	d taxes.	For mat	erials.				Prim	ary hors	sepower			Elec-
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufac- ture,	Total.	Steam en- gines (not tur- bines).	Owne Steam tur- bines.	ed. Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er.1	Rent- ed. ²	tric horse- power gener- ated in estab- lish- ments report- ing.
		e al constante al constante	THE ST.	ATE-AL	L INDUS	FRIES CON	BINED	AND SPECI	FIED INDU	JSTRIES	-Contin	med.				
Dollars. 212, 785 281, 003 2, 925, 847 3, 920, 644 3, 794, 226	Dollar s. 19, 370 58, 317 589, 723 1, 334, 287 3, 470, 652	Dollars. 1, 497, 574 684, 722 19, 799, 579 36, 949, 984 51, 522, 134	Dollars. 1,805 363,052 3,581,065 417,775	Dollars. 17, 925 5, 484 40, 019 102, 691 169, 010	Dollars. 210, 307 199, 737 5, 531, 027 11,505,350 3, 151, 059	Dollars. 838, 883 3, 573, 404 60, 372, 260 146, 340, 845 105, 849, 585	Dollars. 211, 312 126, 404 1, 721, 258 4, 275, 698 6, 009, 996	Dollars. 3,669,320 5,514,555 105,183,068 237,443,077 192,613,139	Dollars. 2, 619, 125 1, 814, 747 43, 089, 550 86, 826, 534 80, 753, 558	4, 628 4, 419 50, 100 128, 630 62, 531	2,295 1,660 21,609 37,424 21,400	6, 290 63, 724 8, 767	60 30 615	875 905 10, 019 12, 069 13, 838	1, 458 1, 794 12, 152 15, 413 17, 911	$150 \\ 265 \\ 11, 125 \\ 66, 180 \\ 28, 406$
iraphite, f Iammock Iats, fur-fe Iats, wool Iorseshoes or rolling nk, printin nk, writin nk, writin ron and st ron and st ute goods	teel, blast teel, cast-in teel, doors	l refined o in steel w furnaces on pipe and shutte CITIES O	$1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	Peanuts, and she Pens, four Pens, gold	grading, ro lling	sheet other butter asting, clean tylographic. t MORE/	$\begin{array}{cccc} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2 \\ 1 \\ 1$	Phonographs Pipes, tobacc Pumps, not i Sand and em Sand-lime br Scales and bas Ship building Smilting and ore	ncluding por hery paper a: ick, lances steel refining, no pparatus ng, not incl	ver pump nd cloth. ot from th uding be	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Washin Washin Watche	cal scer unding iter su lbbon ghts an per, no g ma ers	nery pplies, id venti st made chines	carbon	r mills clothes
18,830,158	20,452,238	96, 401, 002	9, 360, 340	5, 380, 604	20,814,410	343, 354, 555	6,251,336	618,921,962	269, 316, 071		39,042	4,137	1, 398	595	56,432	19,607
7, 221 9, 620 70, 563 35, 026 38, 280 77, 737 104, 314 146, 739 377, 551 133, 404 716, 985	6,258 5,940 26,184 91,564 91,564 91,576 115,090 115,090 61,808 1,023,808	21, 817 90, 373 326, 074 925, 598 156, 294 45, 431 106, 801 1, 033, 428 974, 218 364, 145 6, 293, 718	5,712 30 5,680 3,331 1,826 90	4,407 4,080 32,442 01,154 20,606 10,650 15,279 94,403 106,209 46,989 70,948 69,934	359 3,820 9,607 49,424 9,754 18,679 32,551 17,947 202,184 45,183 538,524 70,896	$\begin{array}{c} 21,386\\ 139,689\\ 306,144\\ 774,169\\ 501,042\\ 1,125,822\\ 729,890\\ 853,609\\ 30,345,332\\ 2,187,773\\ 16,028,460\\ 924,254\end{array}$	16,669	90, 180 288,667 917, 778 2, 544, 072 877, 334 1, 455, 088 1, 402, 607 2, 786, 986 35, 443, 382 3, 456, 760 27, 526, 886 2, 313, 635	67,719 145,624 504,965 1,746,590 373,011 326,339 655,850 1,909,132 5,043,812 1,238,803 11,372,418 1,369,277	24 109 265 309 55 55 228 520 634 686 3,762 474			.). 9]	24 99 265 300 65 55 83 520 389 436 2,512 324	
122, 468 72, 721 244, 454 163, 028 1, 560 19, 990 33, 878 96, 924	63, 280 13, 539 600, 430 96, 481 2, 230 15, 190 12, 015 72, 696	684,715 304,086 2,987,285 603,134 14,897 98,035 213,365 2,600,623	3, 718 184 10, 532 16	19,646 271,789 33,811 2,870 7,100 12,294	20, 895 394, 272 186, 205 176 4, 709 3, 350 14, 866	691, 296 12, 589, 383 1, 847, 337 4, 900 554, 480 172, 093 1, 851, 059	34,086 307,334 28,558 196 8,266 11,613 91,996	1,410,098 21,680,632 3,501,597 44,273 787,323 543,643 4,728,165	684,716 8,783,915 1,625,702 39,177 224,577 359,937 2,785,110	244 2,413 522 5 125 156 700	50 1,260 510 46 25 342				186 1,138 12 5 57 86 352	1,266 344 113
22, 227 271, 969 30, 443 2, 800 27, 643 590, 247 441, 556 148, 691 395, 091 58, 557 162, 729	20, 204 389,097 59,297 12,830 46,467 607,897 504,764 158,823 4,310 545,818 106,115 297,317	67,081 1,577,518 31,369 11,091 19,378 5,517,909 3,296,085 945,048 1,276,176 3,965,177 1,175,104 1,719,444	$\begin{array}{c}1,403\\2,807\\1,100\\2,530,782\\2,409,501\\5,214\\31,977\\632,722\\42,089\\436,705\end{array}$	$\begin{array}{c} 21, 497\\ 37, 269\\ 8, 915\\ 3, 785\\ 5, 130\\ 200, 650\\ 182, 924\\ 40, 078\\ 37, 648\\ 262, 102\\ 562, 254\\ 116, 275\end{array}$	4,058 729,624 10,316 9,746 280,680 163,235 125,576 809 83,282 7,541 38,794	$\begin{array}{c} 226, 914\\ 18, 874, 202\\ 278, 376\\ 43, 057\\ 235, 319\\ 17, 121, 562\\ 13, 126, 088\\ 3, 952, 269\\ 43, 205\\ 12, 046, 246\\ 3, 064, 062\\ 4, 875, 138\end{array}$	$\begin{array}{c} 11,020\\ 205,578\\ 1,595\\ 553\\ 1,042\\ 90,662\\ 36,884\\ 46,268\\ 16,510\\ 59,108\\ 11,449\\ 27,937\end{array}$	$\begin{array}{c} 357,085\\ 24,277,494\\ 672,773\\ 99,690\\ 573,083\\ 31,337,508\\ 23,254,361\\ 6,417,408\\ 1,665,709\\ 20,655,935\\ 5,378,045\\ 8,532,342 \end{array}$	$\begin{array}{c} 119, 151\\ 5, 107, 714\\ 392, 802\\ 56, 080\\ 338, 722\\ 14, 116, 284\\ 10, 091, 419\\ 2, 418, 871\\ 1, 605, 994\\ 8, 550, 581\\ 2, 302, 514\\ 3, 629, 267\end{array}$	467 3,946 55 52 1,075 555 366 154 1,010 120 604	2, 150 450 275 175 320 310		150 2 2 2	300	467 1,346 55 8 52 625 280 191 154 688 118 294	31
71,268 100,732 1,805 256,966	75, 765 84, 126 2, 495 495, 701	419,036 535,756 115,837 449,362	134, 849 18, 989	31,754 48,961 8,858 95,884	23, 137 13, 607 203 107, 239	$2,566,407 \\1,477,765 \\62,854 \\13,360,511$	7,712 10,396 1,614 57,837	3,839,969 2,655,662 249,917 16,239,248	${ \begin{array}{c} 1,265,850\\ 1,167,501\\ 185,449\\ 2,820,900 \end{array} }$	120 147 19 1,132	10 480		40		110 147 19 612	536
1, 329, 910 1, 316, 990 12, 920 310, 204 72, 982 159, 086 682, 503 58, 569 565, 351	$\begin{array}{c} 1,195,797\\ 1,190,361\\ 5,436\\ 169,389\\ 31,490\\ 90,259\\ 690,571\\ 39,160\\ 528,087\end{array}$	5,791,608 5,658,434 133,174	1, 370 1, 370	487, 935 478, 667 9, 268 50, 808 15, 131 17, 945 8, 800 11, 298 71, 454	$\begin{array}{c} 2,521,902\\ 2,513,534\\ 8,368\\ 35,185\\ 10,960\\ 216,424\\ 764,714\\ 34,832\\ 532,313\end{array}$	26,062,513 25,447,883 014,630 1,476,863 630,783 2,439,506 4,240,920 800,206 4,233,132		$\begin{array}{c} 46,096,820\\ 45,103,479\\ 993,341\\ 4,619,480\\ 902,578\\ 4,407,623\\ 8,661,345\\ 1,322,634\\ 10,671,247\end{array}$	$19,678,564\\19,328,337\\350,227\\3,105,481\\327,813\\1,880,809\\4,390,418\\508,931\\6,327,317$	6,485 6,138 347 1,095 102 2,968 581 276 1,936	2,986 2,986 130 725 560 54 665	810 810	150 	200	2,689 2,342 347 815 102 543 21 197 1,196	3,182 3,182 170 1,965 508 40
12,674 3,017 77,715	8,825 11,017 36,597	123,074 71,119 314,506	2,676 4,671 9,074	18,847 8,267 26,230	1, 188 946 24, 983	52, 632 33, 181 207, 315		296, 386 193, 606 997, 330	236, 371 158, 563 784, 479	133 27 80	 		10	· · · · · · · · · · · · · · · · · · ·	188 27 70	• • • • • • •

* Same number reported for one or more other months.

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

					PERS	ONS EN	AGED I	N THE IN	IDUSTRY.		WAG NEARF	E BARN IST REPI	ERS DE RESENT.	C. 15, ATIVE	OR DAY.	
					Sala-	Clerk	s, etc.		Wage earne	ers.		16 and	l over.	Und	er 16.	
	INDUSTRY AND CITY.	Num- ber of estab-		Pro- prie-	ried offi- cers,				Number, 1	5th day of—						Capital.
		lish- ments	Total.	tors and firm mem- bers.	super- in- tend-	Male.	Fe- male.	Aver- age num- ber.	Maximum month.	Minimum month.	Total.	Male.	Fe- male.	Male.	Fo- male.	
	CITIES OF 50,000 INHA	BITA	NTS OI	R MOI	RE-A	LL IN	DUSTI	IES CC	MBINED .	AND SPEC	IFIED]	NDUS'	rries-	-Cont	inued.	
	BOSTON-Continued.		005	10				150			107					Dollars.
1 2 3	Fancy articles, not elsewhere speci- fied. Metal and paper novelties	15 8 7	235 183	12 7 5	16 9 7	28 24	29 27 2	150 116 34	Oc 155 No 49	Ja 91 Ja 20	187 140 47	46 29 17	134 104 30	1	6 6	392, 821 300, 675
3 4 5	All other Flavoring extracts. Food preparations, not elsewhere	13 29	$52 \\ 133 \\ 688$	6 24	20 37	4 31 57	9 68	67 502	Oc 83	Ja 59	81 528	38 379	42 135	1 10	 4	92,146 591,526 2,773,729
6 7	specified. Breadstuffs, macaroni, vermicel- li, and noedles.	12 17	239 449	13	12 25	8 49	13 55	193 309	No 209 Ja 410	Fo 178 Au 210	207 321	171 208	25 110	. 0 1	2 2	1,078,812 1,694,917
8 9 10	All other Foundry and machine-shop products. Boiler shops. Machine shops. All other	141	$8,463 \\ 250 \\ 6,918$	78 75 3	309 16 324	583 6 534	41.6 5 383	$ \begin{array}{r} 6,987 \\ 223 \\ 5,602 \end{array} $	No 237 Ja 6.512	Au 175 Jy 5,262 Je 1,040	7,004 232 5,513	$ \begin{array}{r} 6,836 \\ 231 \\ 5.364 \end{array} $	138 1 123	30 26		26, 242, 983 615, 348 21, 949, 653
11 12 13	Fur goods. Furnishing goods, men's, neckwear	18 11	1,295 364 275	18 14	59 15 9	43 37 27 69	28 12 18 45	$1,162 \\ 282 \\ 207$	De 1,259 De 330 De 235	Je 1,040 Mh 242 Ja 178	1,259 330 235	1,241 158 42	$14 \\ 171 \\ 191$	4 1 2		3,677,982 1,096,087 873,323
14 15	Furniture Wood, other than rattan and wil- low.	61 45	1,267 756	54 46	69 38	35	20	1,030 617	No 715	Ja 484	1,238 713	1,136 671	81 35	19	2 	2,438,906 1,236,322
16 17 18 19 20	Rattan and willow Metal Store and office fixtures Gas and electric fixtures Glass, cutting, staining, and orna-	15	118 147 246 35 110	2 2 4 3 13	9 7 15 2 4	4 16 14 2 8	7 5 13 1 4	96 117 200 27 86	De 114 No 125 De 287 No ² 32 Do 98	Fe 86 Ja 101 My 117 Ja 24 Ja 71	114 124 287 33 101	74 112 279 31 98	38 2 6 1 2	2 8 2 1 1	2	224, 314 383, 567 594, 703 66, 348 121, 251
21 22 23	monting, diving, stating, and only Glue, not elsewhere specified Gold, leaf and foil Grease and tallow, not including lu- bricating grasses	3 5 3	103 40 187	6 1	11 	1 13	. 4 5	87 34 157	De 94 Ap ⁸ 36 De 175	So 78 Ja 30 Jo 150	94 36 175	94 26 166	 10 8	····· ····i		$\substack{1,577,208\\31,234\\865,129}$
24 25 26 27	bricating greases. Hand stamps. Hardware. Hat and cap materials. Hats and caps, other than felt, straw,		65 91 26 464	11 10 4 43	5 10 2 15	5 1 30	2 6 1 24	42 64 19 352	No 44 No 81 Je ² 21 Oc 386	Fe 40 Ja ^s 53 Ja ^s 15 Ja 319	43 79 21 375	38 68 12 257	8 7 4 111	2335	1 2 2	89,193 142,237 18,891 850,338
28	and wool. House-furnishing goods, not else- where specified.	30	708	27	29	59	40	553			642	90	401	6	49	2,071,055
29 30 31	Mops and dusters All other Instruments, professional and scien-	5 25 12	76 632 602	1 26 8	6 23 70	5 54 44	5 35 39	59 494 441	Oc 70 No 578	Ja 45 Ja 409	65 577 461	21 75 353	44 447 93	6 12	49 3	97,627 1,973,428 1,366,250
32 33 34 35 36 37 38 39	tific. Medical and surgical. All other. Iron and steel, tempering and welding. Jewelry. Jewelry and instrument cases. Knit goods. Lamps and reflectors. Leather goods, not elsewhere speci- fied.	9 32 5	830 272 43 298 77 985 19 175	2 6 35 5 8 2 7	55 15 8 7 3 37 	34 10 1 25 1 37 17	28 11 4 33 39 7	211 230 24 198 65 864 17 132	De 227 Fe 304 Au 27 De 281 Se 105 De 1,018 (4) 17 No ⁸ 152	So 195 Mh 177 Mh * 22 Ja 180 Ja * 43 Mh 737 (4) 17' Ap 112	227 234 22 231 104 1,018 18 152	$152 \\ 201 \\ 22 \\ 208 \\ 43 \\ 160 \\ 17 \\ 93$	62 31 16 60 774 59	10 2 7 1 2 1	8	$\begin{array}{c} 504,352\\ 861,898\\ 47,621\\ 860,821\\ 92,358\\ 3,239,586\\ 14,701\\ 612,562\end{array}$
40 41 42 43	Liquors, malt Liquors, malt Looking-glass and pleture frames Lumber, planing-mill products, not including planing mills connected with sawmills.	10 7 16 35	968 177 91 719	18 24	48 13 1 44	98 8 4 21	20 7 4 15	802 149 64 615	Je 867 De 155 No ⁸ 69 De 783	De 637 Fe 142 Ja 59 Je 412	648 154 69 768	643 142 67 758	5 11	1 2 10	• • • • • •	$11,908,792 \\315,914 \\100,215 \\1,960,360$
44 45 46 47	Marble and stone work Monuments and tombstones All other Matresses and spring beds, not else- where specified.	17 9 8 22	228 66 162 511	17 13 4 20	15 3 12 24	13 2 11 62	6 1 5 24	177 47 130 381	Se 56 De 155 Oc 423	Ja. 88 Mh 118 Ja. 310	203 47 156 401	203 47 156 278	110	8	5	593,726 116,161 477,565 1,572,550
48 49	Millinery and lace goods, not else- where specified. Trimmed hats and hat frames	51 20	1,076	57 25	40 16	37 24	46 32	896 563	De 738	Jy 387	1,124 738	219 165	891 568	6 4	8 1	1,236,307 815,455
50 51 52	All other Mineral and soda waters. Models and patterns, not including paper patterns.	31 29 22	416 303 119	32 26 27	24 23 4	13 34	14 22 3	333 198 85	No 382 Jy 255 Au 99	Ja 279 Ja 154 Se 62	380 174 86	54 173 80	323 1 5	$\frac{2}{1}$	7	$\substack{420,852\\1,127,811\\128,122}$
58 54	Musical Instruments and materials,	14 6	225 1,220	10 3	12 27	6 19	10 24	Î87 1,147	Au 208 De 1,214	Ja 147 Ja 1,010	200 1,214	167 1,122	28 57	5 83	 2	311,908 3,646,654
55 56 57 58 59	Musical instruments, planos Oli, not elsewhere specified Paints Paper goods, not elsewhere specified Patent medicines and compounds, Patent and proprietary medi-	6	54 192 189 390 298	1 	3 13 3 55 42	9 48 7 61 45	$ \begin{array}{r} 1 \\ 12 \\ 14 \\ 43 \\ 31 \\ \end{array} $	40 119 161 211 171	Je 44 Se 134 De 204 No 188	Mh 35 Mh 103 Ap 137	1,214 43 121 206 226 183	1,122 43 112 119 135 105	9 85 87 76	03 	2 2 2 1	3,646,634 672,108 893,286 509,416 1,353,386 1,077,260
- 60 61	cines. Patent and proprietary com- pounds, not elsewhere specified. Paving materials.	15 8	92 190	11	13	16	12	40	Fe 54	Se 35	43	30	11	1	1	276, 126
61 62 63 64 65 66	Perfumery and cosmetics. Photo-engraving. Pickles, preserves, and sauces. Preserves. Pickles and sauces.	12 16 13 9	190 110 477 532 501 31	5 4 7 3 1 2	9 15 32 39 35 4	6 17 49 52 52	1 6 32 34 34	169 68 357 404 379 25	Se 219 Ja 77 No 398 De 418 Jy 40	Fe 71 My 61 My 301 Ja ⁸ 351 Ja 15	208 69 400 445 420 25	208 17 360 219 207 12	48 22 218 209 9	4 12 5 1 4	3 3	$\begin{array}{r} 326,338\\ 465,731\\ 584,211\\ 2,836,564\\ 2,703,622\\ 42,942\\ \end{array}$

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

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPE	NSES.								P	OWER,			
Sala	ries and wa	iges.		Rent an	d taxes.	For mat	erials.	4 .	3		Pr	imary h	iorsepo	wer.		Elec- tric
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufac- ture.	Total.	Steam en- gines (not tur- bines).	Own Steam tur- bines.	Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er. ¹	Rent- ed. ²	horse- power gener- ated in estab- lish- ments report- ing.
	CITI	ES OF 50,	000 INHA	BITANT	SOR MO	RE-ALL	INDUSTR	IES COMBI	NED AND	SPECIF	IED IN	DUST	RIES-	-Contin	ned.	
Dollars. 23,455	Dollars. 105,984	Dollars. 134, 743	Dollars. 51, 209	Dollars. 15, 305	Dollars. 2,748	Dollars. 353,685	Dollars. 2,025	Dollars. 871,427	Dollars. 515,717	43	•••••	•			43	
9,250 14,205 100,347 175,678	100, 733 5, 251 154, 235 179, 897	106, 226 28, 517 65, 085 460, 305	51, 209	10, 095 5, 210 19, 996 64, 966	2, 194 554 19, 644 143, 460	254, 240 99, 445 631, 546 3, 281, 986	1,206 819 4,069 90,222	693, 326 178, 101 1, 209, 439 5, 666, 552	437,880 77,837 573,824 2,294,344	25 18 43 1,100	150	2	5		25 18 43 943 529	
37,963 137,715 1,631,551 62,366 1,262,899 306,286 60,059 65,350 197,762 82,821	$\begin{array}{r} 23,016\\ 156,881\\ 1,295,592\\ 12,882\\ 1,224,397\\ 58,313\\ 67,178\\ 94,781\\ 115,454\\ 59,373\end{array}$	161, 211 299, 094 9, 944, 066 353, 912 8, 103, 576 1, 487, 478 384, 409 158, 778 1, 310, 032 820, 511	229, 544 228, 748 796 55, 442 66, 805 26, 819 26, 769	14, 114 50, 852 232, 918 13, 928 182, 955 36, 035 37, 873 15, 015 120, 193 76, 783	$11,761 \\131,699 \\1,273,373 \\47,978 \\969,856 \\255,539 \\117,511 \\33,288 \\33,140 \\12,932$	1, 243, 865 2, 038, 121 8, 988, 788 409, 883 7, 116, 708 1, 462, 107 1, 603, 490 2, 590, 885 1, 760, 495	$\begin{array}{r} 37,788\\ 52,434\\ 543,307\\ 20,431\\ 366,321\\ 156,555\\ 4,107\\ 3,583\\ 31,654\\ 18,404 \end{array}$	$1,711,529\\3,955,023\\31,727,563\\1,007,055\\25,970,983\\4,659,525\\2,368,003\\2,450,320\\5,344,428\\3,438,769$	429,876 1,864,468 22,195,468 066,741 18,487,864 3,040,863 1,080,789 843,238 2,721,889 1,659,870	629 471 9,343 411 6,752 2,180 55 17 995 544	100 2, 529 160 1, 654 715 200 75	•	5 135 135	60 60	414 6, 474 251 4, 758 1, 465 55 17 737 409	530 98 75 357 357
27,800 55,401 31,740 3,816 3,430	10, 570 24, 088 21, 423 2, 622 5, 808	90, 230 134, 992 264, 299 42, 384 109, 531	50	13, 419 16, 391 13, 600 3, 956 12, 635	5,061 12,030 3,117 411 1,240	216, 018 397, 200 217, 082 46, 768 217, 277	3, 570 5, 335 4, 345 2, 343 2, 700	452, 115 816, 721 636, 823 127, 773 432, 903	232, 527 414, 096 415, 396 78, 662 212, 926	46 99 306 40 60	125		. 18 40		28 99 141 40 60	35
23, 381 28, 295	4,438	116,776 37,147 180,904	2,859	600 54,800	7,821 232 32,782	718, 531 50, 490 1, 538, 908	39, 819 574 84, 346	931,074 109,494 2,120,424	172, 724 58, 430 497, 170	57 8 527	27		6		30 2 418	
13, 803 24, 490 8, 404 76, 459	8,836 5,004 936 79,768	48,043 65,616 15,601 484,019	121 2,074	7,180 10,131 2,369 29,833	1,741 1,752 136 5,282	53, 080 89, 459 30, 612 1, 292, 572	446	211, 398 238, 911 66, 997 2, 240, 712	156, 383 146, 202 35, 939 939, 461	41 81 6 59			3		41 81 3 59	
136, 128 15, 354 120, 774 130, 823	147,098 8,094 139,004 138,724	390, 038 38, 598 351, 440 496, 835	32, 162 62 32, 100 3, 475	52, 539 5, 278 47, 261 28, 058	21, 312 2, 043 19, 269 27, 849	3, 153, 209 196, 760 2, 956, 449 481, 317	10,607 893 9,714 10,677	4,685,175 324,315 4,360,860 1,506,066	1, 521, 359 126, 662 1, 394, 697 1, 014, 072	23 121	25 25 40			-	119 23 96 253	·····
130, 823 81, 904 48, 919 13, 622 27, 644 4, 976 120, 777 52, 360	138, 724 108, 273 32, 451 3, 989 65, 382 3, 443 135, 090 1, 057 42, 760	192, 518 304, 317 33, 482 297, 654 54, 505 683, 370 25, 654 140, 984	410 3,065 1,532 24,500 600 56,967	$\begin{array}{c} 17,188\\ 10,870\\ 5,703\\ 30,404\\ 6,360\\ 30,403\\ 4,358\\ 19,204 \end{array}$	21, 418 6, 431 2, 891 7, 425 261 157, 880 193 6, 000	203, 754 277, 563 31, 589 725, 205 68, 188 2, 513, 537 22, 537 530, 674	2,709 7,968 8,666 5,386 1,805 27,166 1,011	703, 541 802, 525 128, 288 1, 603, 398 176, 257 4, 204, 571 81, 385 912, 889	497,078 516,994 88,033 872,807 106,174 1,663,868 57,837 378,676	159 53 103 30 374 16 63	40 		10		94 159 53 93 30 374 16 49	
374, 335 55, 392 800 117, 312	255, 903 17, 322 10, 414 51, 503	1, 221, 004 172, 320 78, 244 804, 629		20, 051 13, 203 52, 659	2, 660, 894 13, 149 474 48, 324	1, 892, 737 232, 694 137, 647 1, 708, 417		8, 956, 330 612, 095 294, 436 3, 095, 193	6, 852, 668 373, 759 155, 278 1, 362, 317	3, 735 164 30 2, 570	3, 398				149 164 30 991	527 305
31, 434 5, 395 26, 039 111, 549	23, 378 5, 097 18, 281 122, 229	262, 129 69, 413 192, 716 454, 990	595 195 400	14, 951 6, 026 8, 925 59, 798	8, 266 1, 215 7, 051 42, 502	359, 280 47, 717 311, 563 1, 755, 838	16, 053 4, 580 11, 473 21, 974	770, 661 187, 379 588, 282 2, 973, 498	395, 328 135, 082 260, 246 1, 195, 686	749 149 600 616	400 400 125				314 114 200 491	53
8 5, 855	142, 755	795, 781	12, 932	67, 630	31, 284 25, 512	1, 927, 166 1, 335, 064		3, 762, 505 2, 524, 296	1, 814, 851 1, 174, 602	190 112			4		186 112 74	
34, 624 51, 231 98, 051 5, 190	102, 743 40, 012 71, 310 2, 142	555, 904 239, 877 243, 429 132, 055		39, 461 28, 169 29, 625 12, 206	136,480	1, 335, 064 592, 102 1, 067, 181 59, 824	5,858	2, 524, 296 1, 238, 209 2, 492, 117 292, 976		11	70		- 4	· · · · · · · · · · · · · · · · · · ·	. 249 88	66
45, 200 137, 334 10, 596 77, 054 14, 000 212, 980	175 854	192,003 1,446,399 29,025 125,018 139,060 87,276 41,717		18, 122 82, 744 3, 840 17, 121 5, 752 46, 405 36, 881	43,464	655, 973		606, 871 4, 552, 210 1, 458, 696 1, 414, 924 808, 114 2, 537, 025 1, 750, 967	399,703 2,540,122 187,200 742,889 272,511 1,567,623 1,070,276	1,430 77 327 412 154	7 1,350 35 175 100		 			1,328
146, 006 66, 983	45, 751	45, 559	7,920	9, 524	14, 865	287, 502	1, 209	786,058	497, 347	rit -	665	,			22 726	
35, 698 40, 054 109, 880 161, 738 151, 441 10, 297	39, 866 103, 254 142, 372	348,083	45.441	51,683	12, 839 120, 269 118, 839	174, 048 3, 268, 050 3, 103, 247	40, 512 621 15, 009 30, 273 29, 435 838	534,843 1,023,644 1,296,973 5,246,494 5,019,633 226,861	$\begin{array}{r} 401,083\\ 563,905\\ 1,107,916\\ 1,948,171\\ 1,886,951\\ 61,220\end{array}$	132 732 715	630 630)			132 102	219 219

* Same number reported for one or more other months.

'Same number reported throughout the year.

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

T

					PERS	ONS ENG		N THE IN			WAG	E EARN	ERS DE	C. 15, OR ATIVE DAY,	
						Clerk	s, etc.		Wage earne	ers.		16 and	l over.	Under 16.	
	INDUSTRY AND CITY.	Num- ber of estab- lish- ments	Total.	Pro- prie- tors and firm mem- bers.	Sala- ried offi- cers, super- in- tend- ents, and man- agers.	Male.	Fe- malo.	Aver- age num- ber.	Number, 1	5th day of	Total.	Male.	Fe- male.	Male. Fo- male.	Capital.
	CITIES OF 50,000 INHA	BITA	NTS OR	, mof	REA	LL IN	DUSTI	LIES CC	MBINED .	AND SPEC	IFIED I	 NDUSI	RIES-	-Continued.	
a Alu An As	BOSTON-Con. Plumbers' supplies, not elsewhere specified. Pocket books Printing and publishing, book and job Job work only Book printing and publishing Book publishing without print- ing. Linotype work and typesetting Printing and publishing, music Printing and publishing, newspapers and periodicals. Printing and publishing, and job printing. Printing materials Refigerators. Regalia, and society badges and enblems. Rubber tires, tubes, and rubber goods, not elsewhere specified. Sausage, not made in slaughtering and meat-packing establishments. Sipplication, including boat building. Shirts. Siper and a divertising novelties Signs and advertising novelties Signs and advertising novelties Statuary and art goods Steam facking and rubars Steam packing Structural ironwork, not made in severy and hot- art furnaces Structural ironwork, not made in steel works or colling mills. Surgenders, garters, and elastic woven goods. Textle machinery and parts Structural ironwork, not made in steel works or colling mills. Surgenders, garters, and elastic woven goods. Textle machinery and parts Structural ironwork, not made in steel works or colling mills. Surgenders, garters, and elastic woven goods. Textle machinery and parts Structural ironwork and parts Structural ironwork and parts Structural ironwork and in steel works or colling mills. Surgenders, garters, and elastic woven goods. Textle machinery and parts Structural ironwork and steam weather strips. Window shades and fixtures Wirework, not elsewhere specified. Tobacco, isoking Printing and steam factures Wirework, not elsewhere specified	4 4 3 311 262 6 39 4 4 15 4 11 137 94 4 6 3 8 8 14 3 7 5 5 10 0 5 5 8 8 8 4 4 4 6 3 9 9 4 4 6 3 9 9 4 4 6 3 9 9 4 4 6 3 8 8 14 137 137 94 4 6 5 5 10 5 5 10 5 5 10 5 5 10 10 5 5 8 8 8 14 4 4 6 5 5 10 5 5 10 5 5 10 5 5 8 8 8 8 14 4 4 6 5 5 10 5 5 8 8 8 8 8 8 8 8 8 8 8 8 8	35 29 78 5,127 3,807 917 46 325 162 163 5,972 3,614 79 79 56 463 1,603 42 79 79 56 463 184 11 173 82 43 184 11 173 82 43 224 25 43 224 25 43 224 25 43 225 69 2,744 25 37 148 3803 700 752 2,297 8 37 134 255 134 275 14 37 14 37 14 25 37 14 25 37 14 25 37 14 25 37 14 25 37 14 25 5 40 25 40 27 40 25 40 25 40 27 40 25 40 27 40 25 40 27 40 25 40 27 40 25 40 27 27 40 27 40 27 40 27 40 27 40 27 40 27 40 27 40 27 5 5 5 40 27 40 27 5 5 5 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7 1 244 210 2 21 1 2 1 3 3 8 6 24 2 1 1 3 3 8 6 24 2 1 1 2 1 1 3 3 8 6 24 4 5 5 8 4 4 5 2 1 1 1 2 1 1 3 8 8 6 24 4 5 5 1 1 1 2 1 1 3 8 8 6 24 4 5 5 2 1 1 1 3 8 8 6 2 4 5 5 2 1 1 1 3 8 8 6 2 4 5 5 2 1 1 1 2 1 1 1 3 8 8 6 2 4 5 5 2 6 4 4 5 5 2 6 6 4 4 5 2 6 6 4 4 5 2 6 6 4 4 5 2 6 6 4 4 5 2 6 6 4 4 5 2 6 6 4 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7	$\begin{array}{c} 3\\ 3\\ 320\\ 215\\ 17\\ 86\\ 2\\ 2\\ 17\\ 86\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10$	2 550 138 86 326 	$\begin{array}{c} 3\\ 1\\ 3\\ 730\\ 194\\ 55\\ 479\\ 2\\ 8\\ 73\\ 1,002\\ 517\\ 119\\ 306\\ 3\\ 3\\ 7\\ 25\\ 8\\ 1\\ 1\\ 25\\ 8\\ 1\\ 1\\ 3\\ 3\\ 7\\ 25\\ 8\\ 1\\ 1\\ 1\\ 2\\ 3\\ 3\\ 15\\ 3\\ 7\\ 11\\ 1\\ 2\\ 35\\ 12\\ 12\\ 12\\ 12\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2$	20 21 29 3,283 3,131 107 5 40 142 2 3,001 2,245 468 378 255 55 40 401 132 6 149 71 124 34 230 422 180 525 55 55 55 55 55 55 55 55 5	Ocs 36 Fe 25 Au 77 De 3,321 Je 154 (') 5 My 8 41 No 144 (') 2 Oc 2,352 Oc 5,526 My 394 Se 29 Oc 5,526 My 394 Se 29 Oc 5,526 My 394 Se 29 Oc 6,526 My 394 Se 29 Oc 6,526 My 394 Se 29 Oc 8 Ap 47 Au 438 De 153 De 8 Ja 207 My 100 De 150 Jy 38 De 255 De 60 Jy 57 De 60 Ja 197 Jy 57 De 61 De 29 Oc 5 189 De 61 De 2,300 (') 10 De 29 No 7 131 Oc 142 De 255 De 61 De 2,300 (') 10 De 29 No 7 131 Oc 142 De 235 De 61 De 2,300 (') 10 De 29 No 7 131 Oc 142 De 255 De 61 De 2,300 (') 10 De 29 No 7 131 Oc 142 De 255 De 61 De 2,300 (') 10 De 2,00 Se 189 De 120 Co 16 De 2,00 Se 189 De 2,00 Se 189 De 2,00 Se 180 De 2,00 Se 180 Se 2,00 Se 2,00	Ja 17 Ja 17 My 64 (¹) 5 Jy 38 Ja 2,089 Jy 364 (⁴) 5 Jy 38 Ja 133 (⁴) 2 Ja 2,123 Fe 2,123 Fe 2,123 Fe 2,123 Ja 363 Fe 21 Au 43 So 35 Ap 371 Au 43 So 35 Ap 371 Au 50 So 35 Ap 123 No 46 Au 107 Ja 20 Ja 20 Ja 212 Ja 36 No 46 Au 107 Ja 20 Ja 20 Ja 212 Ja 36 No 46 Au 107 Ja 20 Ja 212 Ja 36 No 46 Au 107 Ja 20 Ja 165 Ja 51 My 2,066 (¹) 10 Ja 22 Ja 165 Ja 51 My 2,066 (¹) 10 Ja 57 Ja 106 Au 578 Ja 165 Ja 51 My 2,066 Au 578 Ja 165 Ja 51 My 2,066 Au 578 Ja 165 Ja 164 Fe 113 Fe 612 My 486 Au 578 Ja 164 Fe 113 Fe 49 Ja 164 Fe 113 Fe 49 Ja 164 Fe 113 Fe 49 Ja 164 Fe 113 Fe 49 Ja 164 Fe 113 Fe 41 Au 578 Au 578 Au 578 Ja 106 Au 578 Ja 107 Ja 20 Ja 106 Au 578 Ja 106 Au 578 Ja 106 Au 578 Ja 107 Ja 20 Ja 106 Au 578 Ja 106 Au 578 Ja 106 Au 578 Ja 106 Au 578 Ja 107 Ja 20 Ja 106 Au 578 Ja 107 Ja 20 Ja 106 Au 578 Ja 106 Au 578 Ja 107 Ja 20 Ja 107 Ja 20 Ja 106 Ja 107 Ja 20 Ja 106 Ja 107 Ja 20 Ja 106 Ja 107 Ja 20 Ja 106 Ja 107 Ja 107 J	34 19 67 3,406 3,348 3,348 141 142 142 142 142 142 142 142 142 142 142 142 142 142 142 142 3,233 2,330 2,330 150 31 255 60 160 31 255 60 61 2,200 29 131 12,200 021 021 021 021 021 021 031 15 77 23 31 12,428 24	34 4 53 2,653 2,553 4 24 116 114 22 2,602 1,978 300 354 29 49 12 245 149 6 158 49 133 30 30 29 62 61 2,100 9 29 29 62 61 2,100 9 29 124 155 37 99 803 463 2,019 463 2,019 463 2,019 465 37 99 803 463 2,019 405 37 99 803 463 2,019 405 37 15 7 19 92 94 9,275 15 15 15 15 15 15 15 15 15 1	13 14 17 16 16 1 1 14 20 20 20 433 202 141 30 20 20 15 150 1 1 1 1 1 1 1 1 1 1 2 5 156 1 1 1 1 1 1 1 2 5 156 1 1 1 1 1 1 1 2 5 156 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 104 12 00 10 2 1 2 1 00 0 83 7 12 2 4 5 1 7 1 4 4 5 15 1 5 15 1	35,709 278,015 73,420,603
An As in Ba in Ba Ba Ba Ba Ba Ba Ba Ba Ba Ba Ba Ba Ba	amunition	Butta Butta Card Carris Cars and com Cars, ope Cash chil Chees Chew Clock	er	ing. nd desvagon n ral sho by ilroad, trailroi and c	igning nateri op con electric not ad con palcula	als structio c-railroa includin includi	5 1 2 1 2 1 4 2 1 4 1 1 1 1	Coopera, Cordage Cork, cu Corsets Cotton s Cutlery Dairymd Dental a Drug gri Dyeing clusive mills Emery a Enameli	ge, hogshead and twine tting and edge too n's supplies oods nding and finishi o f that c ind other ab: ng.	s and barrels	2 2 2 1 1 4 7 7 1 0 1 1 1 1 1 1 1 1 1 1 0 1 0 1 1 1 1 1	Fire ox Flags a: Flour-m Galvan Gas and Gloves cludii Gloves Hair wd Hamm Hats, fi	tinguist nd bann nill and ressed. izing uminati l water and m ng glove and mit ork ocks urfelt.	iers, chemica	2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPE	NSES.					4				POWE		,	
Sala	ries and we	iges.		Rentand	1 taxes.	For mat	erials.				Pri	mary h		wer.		Elec- tric
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Valuo added by manufac- ture.	Total.	Steam en- gines (not tur- bines).	Own Steam tur- bines.	Inter- nal- bus- tion en- gines.	Wa- ter pow- er. ¹	Rent- ed. ²	horse- power gener- ated in estab- lish- ments report- ing.
	CITI	ES OF 50,			1	1		Dollars.	NED AND	SPECIFI	ED IN	DUSTI	RIES-	-Continu	ied.	
Dollars. 4,950	Dollars. 2,150	Dollars. 33, 297	Dollars. 2,050	Dollars. 4, 280	Dollars. 508	Dollars. 48, 737	Dollars. 4, 582 390	136,045	82, 726	82 12	40		-		42 12	
5,100 264,055 770,556 48,579 437,920	$\begin{array}{r} 624\\ 5,003\\ 1,583,503\\ 413,521\\ 115,409\\ 1,051,681 \end{array}$	$\begin{array}{r} 11,976\\73,853\\3,780,597\\3,616,120\\114,300\\5,410\end{array}$	3, 138, 893 132, 594 6, 664 2, 999, 635	3,256 1,800 415,519 320,526 13,887 78,683	$67 \\ 1, 543 \\ 383, 750 \\ 200, 295 \\ 18, 215 \\ 164, 095 \\ 1$	44, 191 62, 256 6, 143, 962 3, 867, 440 119, 737 2, 149, 808	11, 534 139, 925 130, 886 5, 366 1, 137	$\begin{array}{r} 69,832\\ 166,726\\ 22,809,951\\ 12,037,364\\ 573,358\\ 10,096,290\end{array}$	25, 251 92, 936 16, 526, 064 8, 039, 038 448, 255 7, 945, 345	141 3, 150 3, 032 107	75 248 248				66 2,801 2,773 107 	25 25
7,000 73,407 14,300 59,107 394,957	$2,802 \\162,813 \\16,558 \\146,255 \\3,440,417$	44, 767 123, 371 119, 571 3, 800 4, 815, 576	546, 107 248, 859 297, 248 1, 356, 859	2, 423 46, 437 12, 500 33, 937 411, 886	1, 145 46, 562 19, 704 26, 858 907, 058	6, 977 303, 183 187, 787 115, 396 12, 638, 237	2, 536 3, 850 3, 832 18 213, 462	$\begin{array}{r} 102,939\\ 1,708,990\\ 739,322\\ 969,668\\ 33,607,374\end{array}$	$\begin{array}{r} 93,426\\ 1,401,957\\ 547,703\\ 854,254\\ 20,755,675\\ \end{array}$	11 147 144 3 5,088	80	· · · · · · · · · · · · · · · · · · ·	119		$ \begin{array}{r} 147\\ 144\\ 3\\ 4,889\\ 3,501 \end{array} $	
661, 138 168, 691	1, 854, 570 254, 290	3, 614, 736 538, 483	1,747 66,010	181, 391 78, 838	789, 329 22, 316	9, 845, 986 538, 337	155, 961 29, 572	22,774,201 1,991,501	12,772,254	3, 581 782	80		119		663 725	
565, 128 36, 170 31, 350 7, 804	1,331,5579,5103,51013,220	662, 357 28, 931 71, 329 39, 855	1, 289, 102 1, 000	151, 657 10, 553 4, 660 4, 790	95, 413 16, 371 1, 614 1, 600	2, 253, 914 128, 021 124, 835 121, 962	27, 929 2, 150 2, 536 430	8, 841, 672 275, 054 285, 556 213, 174	6, 559, 829 144, 883 158, 185 90, 782	725 21 170 4	125		. 28	-	21 17 4	
96, 376	49, 853	351, 197	388	6, 644	49, 224	698, 553	43, 892	1, 545, 196 2, 516, 142	802, 751 477, 346	11	708			 	45 498	37
34, 550 34, 379	36,069 2,056 12,007 2,957	183, 573 6, 205 175, 108 79, 903		34, 253 2, 050 11, 778 6, 168	6, 367 288 8, 880 1, 079	2, 016, 184 4, 792 263, 047 113, 374	840 11,077	24, 526 604, 508 275, 597	18, 894	19 290	50	- 		,	19 290 99	
32, 782 333 9, 434 49, 843 10, 961 59, 203 76, 873 11, 524	634	88, 155 46, 543 238, 665 49, 679 225, 646 52, 113 28, 990	62, 644 184 4, 186 2, 037 13, 339	4,740 3,332 15,981 5,006 31,702 8,506 3,438	2, 540 505 4, 712 348 6, 659 86, 256 581	715,094	2,033 3,212 4,332 2,546 13,656 14,433	$\begin{array}{c} 1,066,850\\196,405\\745,154\\188,076\\6,651,615\\1,060,934\\137,728\end{array}$	490, 033 114, 964 699, 257 488, 303	90 49 260 177	164		2	5	29 42 96 49 260 - 13 - 73	
51, 010	153, 984	138, 297	86, 935	1 . :	21, 739	629, 952 39, 500	1.1.1	1, 360, 957 189, 421	723, 928					3	. 78	
11, 180 502, 997	437, 846	75, 800 2, 605, 762	1,907	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3, 041 482, 854 557	2, 371, 870	185,642	8, 134, 716		11	635	5 		· · · · · · · ·	2,162	
15,020 12,287 39,804 27,120 78,563	56,955	24,630 155,045 104,455		3,140 5,643 9,451 1,825 22,912	1,006 1,197 15,918	84,100 144,204	2 20, 904	402, 678 342, 768 1, 062, 021		499	150	5	3	5	257 - 77 - 314 - 30	
27, 012 132, 402		92, 858	8 82 90, 770	14, 469 36, 727	3, 317 78, 294	156, 600 2, 175, 32	2 15,113	3, 939, 800		5 . 263			- 1°		. 120) 58
$139, 323 \\ 66, 997 \\ 102, 548 \\ 102, 848 \\ 24, 155 \\ 21, 898 \\ 18, 679 \\ $	8 52,248 5 3,778 8 69,093 9 11,453	2, 441, 420 2, 799 631, 350 71, 64 231, 32 25, 83	750 750 1 2,960	34,358 57,605 2,300 8,081 7,512 18,096 2,895	153, 502 1,067,821 1,217 127,678 1,423 3,313	2, 104, 140 3, 446, 510 22, 800 598, 440 124, 510 124, 510 763, 470 421, 660	9 21, 393 9 11, 917 3 61, 753 7 2, 195 4 3, 867 6 2, 011	3, 557, 154 8, 400, 420 36, 160 2, 181, 278 300, 413 1, 283, 312 729, 245	$\begin{array}{c} \mathbf{i} & 1, 432, 600 \\ \mathbf{i} & 1, 431, 612 \\ \mathbf{i} & 4, 941, 990 \\ \mathbf{i} & 13, 233 \\ 1, 521, 077 \\ \mathbf{i} & 173, 70 \\ 2 & 515, 97. \\ 5 & 305, 56 \\ 9 & 17, 71 \end{array}$	2 333 110 3 1 7 1,007 48	1	7	1	2	978 48 40 55 20	
780 2, 413 6, 843 13, 74 2, 193, 92	3 750 8 5,804	20, 64 33, 89 100, 73	275	2,687	29	1 26,33 2 65,73	$\begin{array}{c}0&143\\4&868\\1&29,289\\7&2,051,430\end{array}$	99, 158 270, 969 113, 464, 010	71, 95 71, 95 175, 94 35, 902, 41	3 24, 278	11, 59	6 1,43	35 17	2 3	10 7 5 11,04	6,70
Ink, prin Ink, wrii Inco and ing mi Iron and and riv Iron and steel w Iron and not m mills Japannii Labels a Labels a Labelda, bi Lead, bi Leath, bi	nting i steel, steel ils. i steel, horl vorks or roi i steel, wire ade in stee ng. .nd tags y work ar, pipe, ar tanned.	il works an is, nuts, wi de in rollin ings, not m ling mills. nails and i l works or id works or id sheet curried, an	2 3 ad roll- 3 sshers, gmills 2 ade in 1 1 	rum Lubrica: Lumber Machine Minerals wise t Mirrors, elsewi Mucilag not el Musical Musical Musical Gan n Needles Oleoma	ting grease and timb tools framed a nere specifi e, paste, an isewhere s instrumer instrumer atorials pins, and rgarine a tutes	grain alcohu s. er products s, ground or nd unframe ed ad other adh pecified ts, piano a hooks and e nd other	1 2 3 0 0 1 4 1 4 1 4 esives, 5 2 nd or- 2 yes. 2 butter 1 3 2 2 2 2 2 2 2 2 2 2 2 2 2	Paper and Peanuts, g and shel Pens, foum Pipes, tobe Plated war Pumps, no Roofing ma calling Saddlary a Sewing ma Shipbuildi Silk goods. Smelting a	and accessor wood pulp rading, roas ling tin and sty bie materials acco tincluding j ticklas, met actorials, met iderials, met iderials, met actorials, met actorials, met radia according radia accordi	lographic. oower pun al shingles pair work not from	ing, 1 3	Stov Suga su Typ Typ an Uml Uph Vau Was Woo fie Woo Woo	res, gas ar, refi gar e founce edwriter id ribb brellas nolsterii it light ste, cot od, turn oden go cd ol shod olen go	nd athle and oil ning, n ding supplion on and can and can ned and v ton ned and pods, no dy ods	ot inclu es, carl es rials, cu antilato carved t elsew	iding be bon paj rled hai rs

² Same number reported for one or more other months.

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

1

					PERSC	ONS ENG	AGED I	N THE IN	DUSTRY.		WAG NEARE	E EARNI ST REPR	ERS DEC ESENTA	C. 15, C TIVE 1	DR DAY.	
					a. 1-	Clerk	s, etc.		Wage carne	ers.		16 and	1 over	Und	er 16.	
	INDUSTRY AND CITY.	Num- ber of estab- lish-	Total.	Pro- prie- tors	Sala- ried offi- cers, super-			4	Number, 1	5th day of—	Total.					Capital.
		ments	1 Utaxi	and firm mem- bers.	in- tend- ents, and man- agers.	Male.	Fe- male.	Aver- age num- ber.	Maximum month.	Minimum month.		Male.	Fc- male.	Male.	Fe- male.	
	CITIES OF 50,000 INHAB	ITAN	TS OR M	IORE	-ALL	INDU	STRIE	S COME	INED ANI	SPECIFII	D IND	USTRIE	ES—Cor	ntinued	1.	
1	BROCKTON—All industries	217	20, 555	166	734	694	902	18,059	De 18,936	Ja 17,150	19,176 45	12,762	5,929 9	253	232	Dollars. 54, 715, 520
2 3 4 5	Blacking, stains, and dressings Boot and shoe cut stock Boot and shoe findings Boots and shoes, not including rub- ber boots and shoes.	13 11 42 39	97 921 1, 560 14, 383	17 7 36 13	8 33 71 415	19 13 38 420	10 22 50 657	43 846 1,305 12,878	No 45 Oc 905 De 1,562 Au 13,530	De 787 Ja 1,196 Ja 12,281	$786 \\ 1,564 \\ 13,457$	476 946 8,751	287 572 4,381	7 20 184	16 26 141	340,799 2,351,696 5,511,405 36,063,484
6 7 8 9	Boxes, set-up paper boxes and cartons Bread and other bakery products Clothing, men's. Cotton small wares.	$\begin{smallmatrix}&4\\10\\&4\\&4\\&4\end{smallmatrix}$	204 129 110 182	1 10 2 2 5	9 7 9 11	3 20 4 4	9 8 9 7 2	182 84 86 158	Ap 195 No 93 De 107 Se 181	Ja 166 De 77 Je 63 Ja 136	191 88 107 166	50 80 41 64	116 7 55 96	2 1 7 2	17 4 4	$\begin{array}{r} 288,138 \\ 104,531 \\ 227,086 \\ 645,659 \end{array}$
10 11 12 13	Cutlery and edge tools. Foundry and machine-shop products. Lasts. Lumber, planing-mill products, not including planing mills connected	7 9 6 3	89 331 421 19	5 8 4 1	15 13 22 3	1 17 20 1	$\begin{smallmatrix}&2\\17\\10\\2\end{smallmatrix}$	$ \begin{array}{r} 66 \\ 276 \\ 365 \\ 12 \end{array} $	De 70 De 329 Oc 416 De 14	Ja ⁸ 63 My 229 Ja 275 Ja ⁸ 9	70 329 448 14	70 321 420 14	8 25	3	· · · · · · · · ·	117,426 692,703 1,362,007 60,901
14	with sawmills. Models and patterns, not including paper patterns.	5	80	7	7	6	2 4	58 19	De 71 (4) 19	Mh 48	71 19	71 18	1		•••••	80, 548 280, 150
15 16 17	Mucilage, paste, and other adhesives, not elsewhere specified. Printing, job All other industries *	4 14 42	40 273 1, 716	4 16 33	27 79	8 22 98	25 68	183 1,438	De 198	Ja 164	199 1,622	160 1,238	36 336	2 25	1 23	429, 624 6, 069, 303
Aw Bo Ł	*All other industries embrace— tomobile repairing1 nings, tents, and sails1 xes, wooden packing, except cigar oxes	and con Clean Cloth	and gene repairs panies sing prep ing, wom ctionery	by aratior en's	electric 15	railroa	d 1 1 1	Electrica suppli Electron Fancy a	al machinery es lating rticles. wood	novelties	and 1 1 1 1 1 1 1	Gas, ill Hand s	tamps. furnish	ing an	d heati	ing1 nops and ikes, not ng mills. 2
1	CAMBRIDGE-All industries	339	27, 334		1,051		1,550	22, 550	No 24,781		24,730	16,355	7,682	295	398	98,741,856
2 3 4 5 6 7 8	Automobile repairing. Bookbinding and blank-book making Boxes, set-up paper boxes. Bread and other bakery products. Chemicals. Clothing, women's. Shirt waists, dresses, and wrap-	7 6 42 3 7 4	95 472 668 1,479 170 236 116	4 6 1 41 1 6 1	6 10 20 30 11 14 12	10 9 2 113 39 7 6	2 10 13 50 26 6 4	73 437 632 1,245 93 203 93	Je 80 No 465 Jy 660 De 1,381 Se 105 Mh 130	Ja 67 Fe 400 Ja 553 Mh 1,071 Ap 85 Jy 44	$\begin{array}{r} 74 \\ 462 \\ 640 \\ 1,382 \\ 97 \\ 209 \\ 95 \end{array}$	73 214 144 918 85 16 10	234 423 442 12 185 85	1 5 20 8	9 53 14 8	142, 311 658, 013 608, 440 5, 175, 347 815, 524 239, 042 141, 878
9 10 11 12 13 14	Pers. All other Confectionary and ice cream. Confectionary. Ice cream. Copper, tin, and sheet-iron work Electrical machinery, apparatus, and supplies.	0	$120 \\ 2,255 \\ 2,041 \\ 214 \\ 400 \\ 2,697$	5 25 12 13 5 3	2 80 75 5 35 106	1 115 106 9 50 84	2 83 71 12 26 105	110 1,952 1,777 175 284 2,399	My 135 Oc ⁸ 1,921 Jy 251 De 322 Oc 2,953	Ja ³ 87 Je 1,503 Ja 134 Je 200 Ap 1,781	114 2,000 1,867 139 313 2,702	6 003 465 138 302 2,167	100 1,212 1,211 1,211 6 501	33 38 5 34	8 158 158	$\begin{array}{r} 07,164\\ 4,494,007\\ 4,114,375\\ 370,032\\ 973,777\\ 6,278,218\end{array}$
15 16 17 18 19	Foundry and machine-shop products. Machine shops. All other Furniture. Glass, cutting, staining, and orna-	21 16 5 11 3	1,338 674 664 820 50	11 10 1 3 3	70 43 27 33 4	72 36 36 34	47 33 14 22 1	1,138 552 586 728 42	De 669 Se 662 Oc 859 No 52	Ja 451 Ap 494 Je 574 Je 34	1,293 669 624 837 50	1,227 604 623 795 80	61 61 36 18	5 4 1 6 1	·····	2,751,240 1,678,017 1,073,229 1,795,827 91,560
20 21	menting. Instruments, professional and scien- tific. Marble and stone work	3 	47 113	7	8 11	1	1	42 87	No 52	Ja * 23	51 113	49 112	1	1		149,972 206,264
21 22 23 24 25 26	Monuments and tombstoues All other, except slate. Musical instruments, planos Printing and publishing, book and job. Printing and publishing, newspapers and periodicals.	8 5 3 • 25 15	9 104 498 2,014 262	3 4 36 7	11 17 63 11	4 38 208 17	4 14 251 19	6 81 429 1,456 208	Ap ³ 8 De 108 De 470 De 1,574	Fe 4 Fe 54 Ja 345 Ja 1,326	6 107 470 1,574 227	6 106 463 983 171	1 4 581 49	3 10 7		206, 264 11, 900 194, 364 2, 594, 803 9, 743, 301 953, 526
27 28	Printing, publishing, and job printing. Publishing without printing.	7	252 10	5 2 3	8	16 1	15 4	208	De 227	Ja. 197	227	171	49	7		938, 404 15, 122
29 30 31	Slaughtering and meat paoking Structural ironwork, not made in steel works or rolling mills. Tobaco, cizzas	3 9 7	6 399 13	3 5 7	18	37	5	3 334 5	(1) 3 Fe 362 De 12	(4) 3 Se 299 My 8 3	3 329 12	3 329 7				8,050 1,383,136 10,058
32 33	Tobacco, cigars Wood, turned and carved All other industries *	3 113	22 13,280	3 50	4 504	1,116	865	15 10,745	Je 20	Ja ³ 12	13 11,873	13 7,651	3,011	156	155	79,877 59,499,497
	*All other industries embrace- itomobile bodies and parts	bo: Bras Bric Broo Brus Butt Clea Clot Coffi ers Colla Coop	es, woode xes	nze pro broom t and v polish l's l cases	oducts arnish ing pre , and i n's	paration underta barrels.		Electro Engrav incluc Envelop Fancy i fied Felt goo Flags an Food 1 specif Gas, illi	lating ing steel ar ling plate pri- bes articles, not ds d banners reparations, led	ons id copper pl nting elsewhere sp not elsewh id henting.	ate, 1 1 1 1 1 1 1 1 1 1 1 1 1	brica House- when Ink, w Iron an Jewelr Jewelr Knit g Liquoi Lithog Lookin	ting gra- furnish re specifi riting nd steel y y and in oods rs, disti raphing ng-glass	weldi strum iled, gr	ng	ading lu- 2 aot else- 2
	² Chiefly electric motors operated by	rented	(or nurch	used)	surrent	t other	uppry/j	neluded (ohioliy chaft	belt or trans	aver mom	ower fro	una). m noig	hhorin	a nowe	nlents).

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

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EX	PENSES.		A contribution of the second sec						P	OWER.				
Sala	aries and w	ages.		Rent ar	id taxes.	For ma	terials.				Pr	imary h	orsepo	wer.		Elec-	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufac- ture.	Total.	Steam en- gines (not tur - bines).	Own Steam tur- bines.	ed. Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er.1	Rent- ed. ¹	tric horse- power ated in estab- lish- ments report- ing.	
	1	1	······	T	1	RE-ALL I		IES COMBI	NED AND	SPECIF	ED INI	USTR	ies—	Continu	ied.		<u> </u>
		Dollars. 20, 896, 087	Dollars. 61, 201	Dollars. 226, 162	Dollars. 2,930,613	Dollars. 73,824,775	Dollars, 888,506	Dollars. 117,855,025	Dollars. 43,141,744	13,205	4,798	614	25		7,768	807	1
34, 100 163, 295 376, 293 1, 665, 937	36,639 44,135 126,777 1,948,461	51,635 791,895 1,261,764 15,557,692	965 429	8,239 12,060 44,919 76,343	18,006 71,612 157,279 2,171,911	443,672 4,298,908 10,061,280 52,286,434	$\begin{array}{r} 2,912 \\ 24,099 \\ 61,316 \\ 308,350 \end{array}$	837, 536 5, 978, 865 14, 075, 890 81, 543, 541	390, 952 1, 655, 858 3, 953, 294 28, 948, 757	57 408 1,307 6,780	20 50 700 2,373	450			37 358 607 3,957	150 1	2 3 4 5
$\begin{array}{c} 33,597\\9,802\\21,700\\31,028\\25,925\\46,857\\107,119\\5,696\end{array}$	$\begin{array}{c} 12,192\\ 43,094\\ 13,207\\ 8,529\\ 2,696\\ 50,979\\ 41,015\\ 3,081 \end{array}$	$\begin{array}{c} 142,327\\ 108,112\\ 67,084\\ 125,688\\ 90,842\\ 328,082\\ 470,383\\ 20,174 \end{array}$	38,739	5,600 12,942 4,620 2,950 3,880 5,740 2,628 4,500	15,8594,1107,1059,3037,26344,355111,796459	$\begin{array}{r} 234,344\\ 490,140\\ 225,777\\ 517,846\\ 63,317\\ 239,086\\ 479,544\\ 41,491 \end{array}$	4,948 17,019 1,919 10,365 6,072 14,458 18,494 1,823	537, 255 809, 788 384, 968 800, 950 280, 845 929, 057 1, 857, 436 91, 229	207,963 302,629 157,272 272,739 211,456 675,513 1,359,398 47,915	$\begin{array}{c} 50 \\ 119 \\ 56 \\ 116 \\ 96 \\ 255 \\ 631 \\ 85 \end{array}$	150 530			•••••	50 119 56 116 96 105 101 85	454	6 7 8 9 10 11 12 13
41,877	6,727	70, 149		4, 584	1,325	30, 171	1,016	213, 527	182,340	27					27		14
14,000 100,435 259,293	19, 124 69, 943 241, 259	24,713 185,395 1,599,252	17,051 4,017	480 17,974 18,703	8,340 12,292 289,508	364,830 341,538 3,706,397	9,063 6,042 400,610	565,570 920,823 8,027,745	191,677 573,243 3,920,738	278 181 2,759	125 850	164	25	<u>-</u>	153 181 1,720	202	. 15 . 16 . 17
fied Leather, t ished Looking-gl Marble and and toml	anned, cu ass and pic 1 stone wo bstones	lsowhere sı rried, and ture frames rk, monum	1 fin- 1 s 1 ents 1	Patent an Perfumery Printing a and peri Pulp good	d proprieta v and cosm nd publish odicals s, wall boa	ted waters. ry medicine etics ing, newspa rd	pers 3	Springs, stee works or re	acking estat al, not mad illing mills.	lishment le in ste	s. 1 el 1	Tools, n	works lers, n goods not else	or rollir garters, where s	ag mills and specified	elastio	1
	4, 324, 116	86,002	190, 153	9,870	4, 854, 535 588	66, 802, 784 139, 088	4, 891	127, 864, 901 305, 836	58, 737, 978 161, 857	28, 421	10, 339	5, 400	489 85	· · · · · · · · · · · · · · · · · · ·	12, 193	9,856	
22, 991 58, 278 125, 780 68, 404 13, 127 25, 078 21, 728	28, 225 13, 187 254, 578 58, 930 15, 717 13, 600	$\begin{array}{r} 413,749\\ 445,605\\ 1,214,903\\ 95,948\\ 132,055\\ 67,258\end{array}$	2, 318 17, 856 10, 440	29, 786 10, 170 14, 150 900 8, 576 6, 056	10, 887 33, 993 122, 515 71, 627 3, 371 2, 199	139, 088 456, 767 611, 920 5, 181, 548 217, 314 363, 260 199, 861	9, 220 9, 052 97, 709 28, 568 2, 921 1, 480	305, 836 1, 280, 108 1, 447, 157 9, 094, 101 702, 986 669, 427 376, 810	161, 857 814, 121 826, 185 3, 814, 844 457, 104 303, 246 175, 469	304 236 1,030 427 44 26	190 75 857 150		2 15 175		$ \begin{array}{r} 112 \\ 146 \\ 173 \\ 102 \\ 44 \\ 26 \end{array} $	166 95	3 4 5 6 7 8
3, 350 295, 672 261, 406 34, 176 117, 339 329, 387	2, 117 202, 278 274, 565 17, 713 72, 255 209, 304	64, 797 1, 424, 687 1, 218, 457 206, 230 840, 517 2, 344, 835	7,418	2, 520 26, 313 16, 820 9, 993 21, 586 22, 378	1,172809,025797,05411,97143,973306,880	163, 399 6, 572, 652 5, 641, 118 931, 534 701, 359 3, 792, 338	1, 441 125, 388 79, 208 46, 180 14, 119 111, 724	292, 617 11, 460, 261 9, 901, 062 1, 559, 199 1, 509, 124 8, 718, 570	127, 777 4, 762, 221 4, 180, 736 581, 485 793, 646 4, 814, 508	18 1,997 1,491 506 473 3,064	695 670 25 85 1,175			· · · · · · · · · · · · · · · · · · ·	18 1, 302 821 481 388 1, 889	$213 \\ 213 \\ 100 \\ 755$	9 10 11 12 13 14
319, 504 190, 666 128, 838 110, 394 10, 475	124,657 64,407 60,250 110,206 1,144 750	1, 438, 635 706, 374 732, 201 937, 780 27, 985	9,775 3,683 6,092 1,970	17, 977 11, 680 6, 207 65, 525 2, 540 6, 333	73, 400 26, 194 47, 206 30, 181 995 7, 365	2,064,317 891,085 1,173,232 709,873 11,822	73, 339 25, 713 47, 628 59, 039 1, 859	5,033,915 2,511,931 2,521,984 2,178,731 84,698 157,704	2, 896, 259 1, 595, 133 1, 301, 126 1, 409, 819 71, 017	1, 307 580 721 809 31 31	468 88 380 150		66 60		778 432 341 659 31	6 6	15 16 17 18 19
8, 150 27, 468 114, 489 154, 724 31, 512	7,979 7,979 66,925 651,038 49,443	38, 023 131, 596 11, 117 120, 479 571, 537 1, 581, 148 262, 821	14,600 14,600 28,575 57,545	9,096 1,430 7,666 16,165 45,374 2,210	2, 379 108 2, 271 121, 235 59, 440 8, 986	89, 405 125, 794 10, 960 114, 834 479, 562 2, 987, 385 209, 982	1, 759 8, 891 467 8, 424 24, 883 45, 279 8, 163	363,705 49,363 314,342 1,601,707 7,821,316 908,392	66, 540 229, 020 37, 936 191, 084 1, 097, 262 4, 788, 652 690, 247	505 10 495 462 1,380 295	450 450 287 900				31 55 10 45 175 480 295	91 850	20 21 22 23 24 25 26
29, 562 1, 950	45, 800 4, 143	262, 821	1, 500 56, 045	1, 460 750	8, 985 1	205, 532 4, 450	8, 163	822, 666 85, 726	608, 971	295	-÷			•••••	295	•••••	27 28
88, 484	67, 791	4, 004 408, 255		5, 196	598 52, 044	4, 450 137, 280 703, 502	24, 830	163, 020 1, 543, 477	81, 276 25, 740 815, 145	675	310		70		295	480	29 30
480 6, 534 1, 896, 798	2, 283, 112	7, 553 11, 739 10, 923, 111	350 57, 164	956 393 159, 172	5, 364 1, 819 3, 087, 870	18, 280 2, 563 41, 226, 773	113 1, 916 1, 670, 476	44, 984 28, 558 72, 747, 124	26, 591 21, 079 29, 849, 875	67 15,216	50 4, 497	5, 400	126		17 5, 193	7,100	31 32 33
including with saw Machine to Mineral an Models and paper pat Mucilage, p not elsew Musical in: gan mate Needles, pi	g planing r mills d carbonat d patterns ttorns paste, and c where speci struments, prials ns, and ho	l products, nills connec od waters not includ ther adhesi led piano and oks and eye ³ Same n	atted 3 1 2 ling 2 ves, 1 or- 3 s 1 1 1	stitutes. Optical go Paints Paper good Patent an not elsev Pens, four Photo-ong Photo-ong Pickles, pi Plumbers' specified	ods is, not else d proprieta vhere speci- tain and s hs and gra raving eserves, an supplies,	ther butter s where specify ry compoun field tylographic. phophones d sauces not elsewhe	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sausage casing Saws, mach Screws, mach Shipbuilding, Shipbuilding, Shipbuilding, Shipbuilding, shipbuilding, Soap Springs, steel,	1. rials 5, tubes, ar lsewhere spe gs ine wooden, sm rowsters and	nd rubbe cified all boats. winders. t wagon		Statuary Steam f water l Suspend Ven go Finware Fools, na Window Window	ry good and a lttings heating ers, ga ods , not e ot elsev and d k, not	ls, not e and st appara rters, a sewher where sp bor scree elsewhe	lsewher cam an tus nd elast e specified ecified	e spec- d hot- ic wo- ed	2 1 2 1 1 1 1 1

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

TERMA PER

					PERS	ONS EN	GAGED	IN THE I	NDUSTRY.		WAC NEAR	FE EAR FEST REP	VERS DE RESENT	C. 15, ATIVE	OR DAY.	
					~)	Clerk	s, etc.		Wage earn	ers.		16 and	1 over.	Und	er 16.	
	INDUSTRY AND CITY.	Num- ber of estab- lish- ments		Pro- prie- tors and	Sala- ried offi- cers, super- in-			Aver-	Number, 1	5th day of—	Total.					Capital.
					tend-	Male.	Fe- male.	age num- ber.	Maximum month.	Minimum month.		Male.	Fe- male.	Male.	*Fe- male.	
	CITIES OF 50,000 INH	АВІТА	NTS OI	R MOR	E—Al	LL IN	DUSTR	IES CO	MBINED A	ND SPECII	TIED IN	DUSTI	RIES-(Contin	ued.	
1	FALL RIVER—All industries.	293	38, 717	231	553	524	394	37,015	No 38,065	Mh 35,909	38,454	20, 219	15,944	1,086	1,205	Dollars. 135, 717, 124
2 3 4	Belting, leather Bread and other bakery products Clothing, women's, shirt waists,	$\begin{smallmatrix} 4\\68\\3\end{smallmatrix}$	$ \begin{array}{r} 121 \\ 362 \\ 70 \end{array} $	2 70 6	3 4	7 7	$\begin{array}{c}2\\27\\1\end{array}$	107 254 63	No 115 Oc 270 Mh 75	Au 67 Ja 232 Ja 40	111 270 - 68	95 247	$ \begin{array}{r} 14 \\ 19 \\ 32 \end{array} $	2 8	$\frac{2}{36}$	321,749 494,700 77,153
5 6 7 8 9	dresses, and wrappers. Confectionery and ice cream Copper, tin, and sheet-iron work Cotton goods Cotton small wares Dyeing and finishing textiles, exclu-	8 10 40 8 4	44 35 32, 746 514 1, 096	10 8 1	359 19 14	3 371 3 28	3 211 9 27	$28 \\ 27 \\ 31,805 \\ 483 \\ 1,026$	Je 34 Oc ³ 35 No 32,696 Ja ⁸ 525 No 1,095	Ja 21 Fe 17 Mh 31,079 Se 442 Mh 911	29 35 32,893 473 1,089	27 34 16,442 113 859	$2\\14,474\\208\\223$	$ \begin{array}{c} 1 \\ 932 \\ 20 \\ 4 \end{array} $	1,045 42 3	$\begin{array}{r} 49,853\\76,727\\116,706,753\\1,489,646\\5,281,889\end{array}$
10 11	sive of that done in textile mills. Foundry and machine-shop products Hats and caps, other than felt, straw,	11 3	171 7	16 3	9	. 2	5	139 4	Ap ³ 147 (⁴) 4	Je ³ 133 (⁴) 4	147 5	146 2	<u>i</u>	1	·····2	737,992 1,812
12 13	and wool. Iron and steel, welding Lumber, planing-mill products, not including planing mills connected	3 4	11 68	3 5	$\frac{1}{2}$	1 10	4	6 47	Jy \$ 7 De 53	Fe ³ 5 Fe 41	7 53	7 53		 		6,923 51,786
14 15 16 17 18 19	with sawnills. Marble and stone work Monuments and tombstones All other, except slate. Mineral and carbonated waters Printing, job Printing and publishing, newspapers and periodicals.	10 7 3 6 15 7	65 21 44 27 73 171	10 7 3 7 12 5	2 2 2 5 8	3 3 6	3 9	50 14 36 18 53 143	My ³ 15 Je 52 Au 25 De 58 De 148	Mh 11 Fe 8 Fe 14 Mh ³ 51 Ja ³ 138	53 14 39 18 58 146	53 14 39 18 43 123	 7 8	 8 15		63, 201 26, 120 37, 081 42, 292 107, 021 394, 638
20 21 22 23	Sausage, not made in slaughtering and meat-packing establishments. Textile machinery and parts All other industries *	7 17 3 56	34 852 36 2, 214	7 15 3 48	22 5 98	18 65	17 17 2 74	27 780 26 1,929	Ja ⁸ 28 Do 886 No ⁸ 31	Au 25 Fe 739 Ap 20	28 887 31 2,047	24 713 30 1,190	8 130 1 732	• 1 35 59	9 66	31,447 2,144,837 77,399 7,559,306
Aut Aut	* All other industries embrace	ing. Boot Boxes Brass Broon	binding a and shoe s, set-up p and broi ns, from h les	cut sto paper b ize pro broom	ck oxes ducts.		1 1 1 1 1 1 1 1	Clothing Cordage Dvestuff	and twine	ing proparati ots—natural. nill products	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Gas, ill Gass,	uminati cutting	ng and stain	heatii ing, ai	lsewhere 2 1 ng 1 nd orna- 2
1	HAVERHILL All industries Boot and shoe cut stock	405	17,833	407	705	205	613 27	15,783	Do 18,089	Jy 14,198 Au 758	18,297	11,602	6,855 201	201 22	139	39,601,758 6,002,176
3 4	Boot and shoes findings Boots and shoes, not including rub- ber boots and shoes.	79 137	$1,804 \\ 12,748$	91 107	90 523	30 151	70 438	1,574 11,529	De 1,788	Ja 1,371	1,849 13,456	1,300 8,131	523 5,055	18 157	8 113	3,529,309 22,295,772
5 6 7 8	Regular factory products Contract work. Stitching and crimping Boxes, set-up paper boxes and	122 5 10 5	12,432 117 109 101	92 4 11 6	514 6 3 5	151	433 2 8 4	11,242 105 182 176	De 13,043 Oc 118 De 203 De 205	Jy 9,861 Ja 84 Ap 159 Jy 153	13,141 111 204 205	8,020 102 9 75	4,861 4 190 128	152 5 1	108 5 1	22,221.433 25,313 49,026 333,174
9	cartons. Boxes, wooden packing, except cigar boxes.	3	209	1	9	1	5	193	Ja 234	Jo 167	200	139	60		1	500, 497
10 11 12 13 14 15 16 17	Bread and other bakery products Confectionery and ice cream. Confectionery Ice cream. Cutlery and edge tools Foundry and machine-shop products Mineral and carbonated waters. Models and patterns, not including	4	123 70 43 27 24 96 14 45	24 13 5 5 10 8	9 2 2 5 2	$ \begin{array}{c} 1\\ 2\\ 1\\ 1\\ 6\\ \end{array} $	8 3 2 1 3 1 2	81 50 32 18 19 72 7 32	No 102 No 46 Au 25 Jy 8 20 Do 97 Jy 12 Do 41	Ja ³ 60 Je 23 No 11 Ja 17 Fe 56 Ja ³ 4 Ja 25	102 58 45 13 20 97 4 41	74 83 23 10 20 95 4 39	27 22 19 3 1 2	 1	1 3 3	$184,606\\117,726\\60,390\\57,336\\37,013\\156,137\\32,068\\62,049$
18 19 20 21	Daper patterns. Printing Job Signs and advertising novelties Tobacco, cigars. All other industries*		32 8 7 1,383	13 4 3 38		45	43	19 4 1,182	Mh ³ 21 My ³ 5 Oc 6	Jy 3 16 Ja 8 8 Mh 8 3	21 5 6 1,294	16 5 4 955	4 2 830	1		45,963 3,699 5,650 6,295,919
Au Bla Bri Car	*All other industries embrace- tomobile bodies and parts 1 tomobile repairing 2 eking, stains, and drossings 2 ek, building 1 pets, rag 2 1 Includes water wheels and turbines i 2 Chieffy electric motors operated by r	Cloth Elect and Emer Engr	sing prep ing, men rical m l supplies ry and ot avers' ma active of ('s achine her abr terials	ry, aj asive v	pparatr wheels	$ \begin{array}{cccc} & 2 \\ & 1 \\ & 1 \\ & 1 \\ & 1 \end{array} $	fied Flour-m Gas fixt Gas, illu Hats, fu	ill and grist ures minating an r-felt.	elsowhere sp mill product: d heating	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Lamps Lasts Leathe fied.	s, autom er goods	, not e	lsewh	ero speci-

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

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXP	INSES.								P	OWER.			
Sala	Salaries and wages.				nd taxes.	For mat	terials.				Prin	nary hor	rsepow	er.		Elec-
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufac- ture.	Total.	Steam en- gines (not tur- bines).	Own Steam tur- bines.	ed. Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er. ¹	Rent- ed. ²	tric horse- power gener- ated in

Dollars. 2, 445, 444	Dollars. 1, 018, 871	Dollars. 30, 513, 600	Dollars. 54, 107	Dollars. 106, 759	Dollars. 12,136,150	Dollars. 91, 992, 342	Dollars, 4, 188, 042	Dollars. 163, 246, 082	Dollars. 67,065,698	145, 646	109, 985	15,962	396	1, 115	18, 188	13, 623	1
9, 550 7, 926	14, 281 20, 940 832	111, 433 283, 494 39, 777		4, 120 18, 335 1, 620	5, 783 4, 595 290	494, 899 1, 163, 873 114, 308	6, 511 38, 574 665	738, 944 1, 874, 956 213, 174	237, 534 672, 509 93, 201	141 195 22	135				6 195 22		2 3 4
1, 641, 257 67, 346 275, 445	3, 293 648, 611 9, 209 83, 609	37, 410 37, 587 25, 997, 711 321, 023 894, 207	194 14, 801	4, 331 1, 433 14, 440 4, 424 4, 882	363 642 10,833,934 45, 486 404, 250	163, 599 34, 235 77, 045, 717 1, 229, 448 4, 806, 950	4, 272 1, 353 3, 262, 226 50, 419 232, 681	271, 106 94, 925 135, 783, 717 1, 947, 518 8, 250, 120	103, 235 59, 337 55, 475, 774 667, 651 3, 210, 489	67 11 134, 876 996 3, 533	106, 585		25	1,070	67 11 13, 546 971 1, 306	12, 741 285	5 6 7 8 9
13, 987	4, 987	157, 407 2, 995	2, 502	2, 068 1, 345	8, 435 92	182, 138 21, 450	6, 982 265	445, 523 35, 250	256, 403 13, 535	196 3			46		150 3		10 11
3, 040 4, 750	200 15, 008	7, 492 55, 174	75	788 1, 354	50 2, 620	9,776 158,586	191 1,252	29, 357 270, 790	19, 390 110, 952	8 427	350				- <mark>3</mark> 77	•••••	12 13
2, 900 2, 900 1, 936 9, 994 18, 719	2, 746 2, 746 3, 101 17, 500	61, 119 19, 384 41, 735 13, 819 50, 873 140, 136	200 200 1,100 128	425 125 300 810 6,042 6,851	663 154 509 584 1,189 5,570	26, 646 14, 443 12, 203 32, 862 61, 802 94, 361	7,688 958 6,730 1,600 2,040 7,735	124, 153 50, 375 73, 778 79, 777 171, 003 398, 847	89, 819 34, 974 54, 845 45, 315 107, 161 296, 751	220 40 180 17 51 98	125 125 25	15 15	22 22		58 18 40 17 51 73		14 15 16 17 18 19
		30, 413		1,654	334	265, 190	2, 375	337, 577	70, 012	47	24				23		20
136, 260 5, 266 247, 068	55, 732 3, 458 135, 864	740, 661 20, 622 1, 510, 247	35, 047	9,093 1,000 21,744	370, 968 273 450, 029	1, 590, 670 96, 026 4, 399, 806	43,278 428 517,507	3, 432, 321 150, 076 8, 596, 948	1, 798, 373 53, 622 3, 679, 635	1,178 7 3,558	455 2, 136	37 158	303	45	686 7 916	234 363	21 22 23

Grease and tallow, not including lubricating greases...... Hardware, vehicle..... Hats, fur-felt..... House-furnishing goods, not else-where specified.....

Jawelry Knit goods... Liquors, malt. Lumber and timber products..... Mattresses and spring beds, not else-where specified... 1 1 1 1

2	Musical instruments, pianos. Paper goods, not elsewhere specified.
1	Patent and proprietary compounds,
1	Patent and proprietary compounds, not elsewhere specified
	Pipes, tobacco
2	Sifk goods

 1
 Slaughtering and meat packing.

 2
 Tobacco, cigars and cigarettes.

 Tobacco, smoking.
 2

 2
 Toys and games.

 1
 Varnishes.

 1
 Wood, turned and carved.

 i. Is,

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whore at	000110(1		1 ;	where a		•••••	···· • • •	Sitk goods		• • • • • • • • • •		W 000, 6	urneu	and car	ven	••••
2, 457, 575	1, 312, 419	18,351,696	630, 327	638,949	808,622	56, 418, 993	799, 290	96, 276, 853	39, 058, 570	12, 747	5,092	136	19	40	7,469	503
189, 284 255, 141 1, 662, 115	80, 246 94, 942 985, 464	934,717 1,660,358 13,766,655	2, 423 68, 870 551, 002	65,662 91,339 373,075	59, 387 86, 081 487, 370	11,570,772 5,316,457 33,046,102	24,861 56,202 199*685	14, 924, 501 9, 424, 749 59, 699, 812	3,328,868 4,052,090 26,454,025	653 1,662 4,465	100 467		3		650 1,562 3,998	18 15
1,648,760 9,365 3,990 15,760	981, 274 1, 682 2, 508 4, 236	13, 468, 858 137, 966 159, 831 169, 091	551,002	364, 290 5, 038 3, 747 10, 179	486, 567 633 170 5, 200	32, 985, 426 30, 273 30, 403 334, 441	193,943 2,422 3,320 5,331	59, 231, 873 215, 415 252, 524 729, 455	26,052,504 182,720 218,801 389,683	4, 355 53 57 144	467				3, 888 53 57 144	15
40,623	7,657	193, 961		14,070	33, 512	496, 301	35,701	964, 350	432, 348	1, 143	1,000		.	•••••	143	
10,040 7,000 7,000 12,886 4,647	5,938 6,113 4,313 1,800 12,151 702 1,800	$\begin{array}{c} 102, 134\\ 47, 012\\ 31, 008\\ 16, 604\\ 26, 827\\ 99, 354\\ 6, 195\\ 40, 661\\ \end{array}$	55	$13,169 \\ 11,005 \\ 8,477 \\ 2,528 \\ 1,400 \\ 4,992 \\ 1,574 \\ 8,750 \\$	1,575 1,730 402 1,328 77 1,971 242 944	412, 197 200, 338 90, 787 109, 551 13, 607 125, 409 37, 131 12, 957	17, 237 4, 033 2, 759 1, 274 2, 299 2, 676 754 852	694, 375 377, 026 200, 113 176, 913 63, 272 320, 261 70, 026 143, 746	264, 941 172, 655 106, 567 66, 088 47, 366 192, 176 32, 141 129, 937	80 91 25 66 21 62 18 15			7		80 91 25 66 21 55 18 15	
260, 079	113,170	14,809 4,860 5,025 1,279,437	7,977	3,331 1,080 240 44,083	290 2, 179 128, 054	28, 135 3, 519 5, 912 4, 815, 715	1, 082 252 448, 325	82, 786 18, 171 17, 369 8, 746, 954	53, 569 14, 400 11, 457 3, 482, 914	36 1 4, 356	3, 525			40	86 1 655	470
Ished Lumber, p including with saw	olaning-mi g planing mills. 1 stone wo	nried, and ll products, mills conne ork, monum	not octed	where sp Millinery where s	and lace	goods, not e goods, not e nd other ac e specified.	olse-	Optical goods Paper and wo Pickles and s Printing an	ere specified .	ng, new	. 1 8 . 1 8 . 1 8 1 9 1 9	Slaūght Fools, n Vinegar	ilding, ering a aschini and ei	nd mea ists' der	, small l t packir	ng

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* Same number reported for one or more other months.

* Same number reported throughout the year.

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

i de la compañía de l

					PERS	ONS EN	GAGED	IN THE I	NDUSTRY.	ann a co	WA NEAI	GE EAR IEST REI	NERS DE PRESENT	C. 15, ATIVE	OR DAY.	
				<u>}</u>	Sala-	Clerk	s, etc.	1	Wage earn	lers.	-	16 an	d over.	Und	er 16.	
	INDUSTRY AND CITY.	Num ber of estab lish- ments		Pro- prie- tors and firm mem- bers.	ried offi- cers, super- in- tend- ents, and man-	Male.	Fe- male.	Aver- age num- ber.	Maximum month.	Minimum month.	Total.	Male.	Fe- male.	Male.	Fo- male.	Capital,
					agers.			<u> </u>								
	CITIES OF 50,000 INHA	BITA	NTS OR	MOR	ЕЛІ	L INI	USTI	RIES CO	MBINED	AND SPECI	FIED I	NDUSI	RIES-	-Conti	nued.	
1	HOLYOKE-All industries		20,215	119	511	1,002	810	17, 773	De 18,922	Fe 16,685	18,904	=()=	7,349	429	583	Dollars. 92,505,503
2345 6789	Automobile repairing Bookbinding and blank-book making Bread and other bakery products Copper, tin, and sheet-from work Foundry and machine-shop products. Machine shops All other Lumber, planing-mill products, not including planing mills connected	26 3 11	53 884 174 92 618 360 258 188	11 3 29 3 7 2 5 	$ \begin{array}{c} 1 \\ 17 \\ 5 \\ 9 \\ 26 \\ 19 \\ 6 \\ 16 \\ 16 \\ \end{array} $	1 42 13 4 43 38 5 7	5 28 7 1 25 20 5 3	3579412075518281237162	Jy 42 De 831 Au 126 De 102 De 305 My 319 Se 186	Ja 28 Fe 755 No 112 Mh 49 My 266 De 163 Ap ^B 132	35 832 111 102 468 305 163 170	406 90 102 459 298 161	$\begin{array}{c} 251\\ 21\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	$\begin{array}{c}1\\76\\4\\4\\1\end{array}$	39	$\begin{array}{r} 69, 135\\ 2, 268, 295\\ 490, 057\\ 238, 119\\ 1, 886, 377\\ 1, 542, 534\\ 343, 843\\ 786, 147\\ \end{array}$
10 11 12 13 14 15 16	with sawmills. Marble and stone work Mineral and carbonated waters Paper goods, not elsewhere specified. Printing, job. Printing and publishing, newspapers and periodicals. Sausage, not made in slaughtering	3 5 20 5 11 6 4	16 25 4,353 617 93 127	5 5 8 2 5	1 2 114 30 8 11	1 338 27 6	$1 \\ 4 \\ 273 \\ 52 \\ 4 \\ 30$	9 13 3,628 508 73 78	Oo 14 Ap ⁸ 18 De 4,174 De 563 Oc 88 (4) 78	Ja 4 No ³ 7 Fe ³ ,034 Jy 470 Fe ⁶¹ (4) 78	563 70 78	361 48 66	1,080 202 26 10	3 2 2		60, 758 29, 504 20, 738, 884 2, 452, 757 133, 278 192, 243
17	and meat-packing establishments. Stationery goods, not elsewhere specified.	8	16 1,330		53	175	91	11 1,011	Au 8 12 No 1,096	Ар ^в 10 Ар 974	12 1,067	11	501	1 20	20	16,344 3,511,056
18 19	Tobacco, cigars All other industries*	7 47	44 11,585	9 32	219	345	$1 \\ 285$	34 10,704	My 36	Ja 32	35 11,161	25 5,135	10 5,183	···;19	524	47, 444 53, 585, 045
Au Aw Bel Blu	*All other industries embrace— ificial stone products	Brick Broon Cars and	and bron , building ns, from) and gene . repairs ipanies	ral sho	orn p cons lectric	truction		Chemica Confecti Corsets Cotton g Cotton s	ls. onery, ice cre oods. mall wares.)am		sive (Dvestu	of that d	one in extrac	textile	es, oxclu- mills 1 tural 1 lucts 1
1	LAWRENCE-All industries Bread and other bakery products	194	31,940	143	652	382	444	30, 319	De 37,083	Fe 18,269	30, 650	[] Designments read	13,262	838	955	171, 477, 984
2345	Carpets, rag. Cotton goods Foundry and machine-shop prod-	48 3 6 14	222 8 3,703 520	$ \begin{array}{c} 44 \\ 3 \\ 1 \\ 11 \end{array} $	9 44 26	3 26 20	8 31 9	158 5 3,601 454	De 175 Ap ⁸ 6 De 4,373	Fo 135 Ja ^B 4 Fo 2,218	175 6 4,373 485	$ \begin{array}{r} 140 \\ 4 \\ 2,055 \\ 484 \\ \end{array} $	25 2,083 1	2 134	4 101	371,707 2,125 22,801,088 1,624,192
6 7 8	ucts. Boiler shops and foundries Machine shops Leather goods, not elsewhere speci-	3 11 3	112 408 35	2 9 2	$\begin{array}{c}2\\24\\1\end{array}$	20 1	182	107 847 29	Do 123 Do 385 Mh 33	My 96 My 323 Jy 8 24	97 388	97 387		2		286,247 1,337,945
9 10	fied. Marble and stone work.	43	15 13	4				20 11 9	Jo a 13 My 10	Ja 7 Ja 7	28 13 8	26 13 6	2	2		43,100 67,816 65,290
$11 \\ 12 \\ 13$	where specified. Paper and wood pulp. Printing job. Printing and publishing, nowspapers and publishing, nowspapers	3 10 9	812 35 141	 11 5	17	17 5	7	771 24 114	Fe 824 Se 25 De 119	Jy 744 Jas 23 Ja 109	701 25	663 19	128			8,504,907 52,800 271,557
14	Sausage, not made in slaughtering and meat-packing establishments	6 5	20	7				13	Oc 9 14	Ja 109 So 11	119 14	101 12	9 2	9	•••••	271,557 58,600
15 16 17 18	Textile machinery and parts Tobacco, cigars Worsted goods All other industries *	5 3 11 60	513 5 19,966 5,932	5 3 	7 398 141	13 214 83	18 253 113	475 2 19,101 5,552	De 506 Mys 3 De 24,377	Mh 433 No ³ 1 Fo 9,681	506 2 23,935 6,170	382 2 12,819 4,803	108 9,694 1,204	9 635 47	7 787 56	1,315,970 2,835 114,583,186 26,652,811
Arti Aut Aut Aut Beli	*All other industries embrace— ificial stone products	Boots ber Boxes box Brass Broon	ll and shoc boots and , wooden es and bron ns, from b es	s, not i shoes packin ze prod room c	includi g, exce ucts	ng rub- pt cigar	2 1 2 2	Carriages Clothing, Coffee, ro Confectic	and wagons women's asting and g nery, ice created	er than rag . rinding am. t-iron work .	$ \begin{array}{c} $	Cotton s Dycing sive o Electron Files Flour-m Food pr	and fini and fini f that d plating.	res. shing one in gristmi	li prod	1 s, exclu- mills. 3 1 ucts 1 . vermi-
1	LOWELL-All industries	291	32, 139	236	580	543	669	30,111	Ja 34,851	Mh 27, 896	31, 154	17,008 1	<u> </u>	534	1	14, 940, 546
2 3 4	Belting, leather Boots and shoes, not including rub- ber boots and shoes.	35	22 784	21	2 39	40	1 30		No 21 De 984	Ja 12 Au 443	20 984	17 580	3 307	55	42	90,064 1,506,094
4 5 6	Boxes, wooden packing, except cigar boxes. Bread and other bakery products Confectionery and ice cream	7 57 10	307 309	6 62 14	10 2 1	3 22	10 5	278 218	De 293 Mh 226	Ap ⁸ 265 Se 209	293 221	285 . 186	34	8.	••••	684, 167 273, 038
7 8 9	Confectionery and the creating Confectionery	10 4 6 9 4 5	44 9 35 51 12,839 88 1,065	$ \begin{array}{c} 14 \\ 8 \\ 6 \\ 1 \\ 1 \end{array} $		1 93 42	1 	28 3 39 12,479 76	(4) 3 Au 32 No 44 Oc 13,322 Ja 97	(4) 3 Ja 18 Ja 32	25 4 21 40 13,429 94 1,039	$\begin{array}{c} 21 \\ 2 \\ 19 \\ 40 \\ \end{array}$	3 1 2 5,780 50 184	1 1 245 16		71,239 7,154 64,085 96,036 50,078,158 226,788
1	¹ Includes water wheels and turbines (i ² Chiefly electric motors operated by re	li rrespec	 tive of ow " purchase	 /nershij	o of wa	1								10	•	3,999,576

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

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPE	INSES.								P(OWER.			
Sala	ries and w	ages.	÷	Rent an	d taxes.	For ma	terials.	alian Antonio Marina Antonio			Prin	ary hor	sepow	er.		Elec-
	,		For		Taxes,	a an an An an		Value of products.	Value added by manufac- ture.			Own			2 - L	tric horse power gener ated in
Officials.	Clerks, etc.	Wage earners.	work.	Rent of factory.	Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam en- gines (not tur- bines).]	Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er. ¹	Rent- ed. ²	estab lish- ment: report ing.
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.					. 14		
	2,359,093	17,318,128	990,371	120,224 3,014	4, 188, 780	49,231,283	1,928,699	93, 426, 775	42,266,793	76,893	28,162	10,475		27,427	10,829 42	13,310
1,984 109,978 11,687 24,015 123,138 89,918 33,220 43,677	131,002 22,798 5,775 84,934 62,429 22,505 12,275	56,270 708,460 139,334 94,297 606,476 324,355 282,121 187,679	300 525 525	10,088 1,020 10,906 7,382 3,524 8,500	94,978 7,085 10,606 77,227 66,233 10,994 13,329	52, 605 1, 228, 980 564, 420 186, 928 833, 216 519, 821 313, 395 899, 120	15, 199 22, 313 2, 034 50, 211 22, 053 28, 158 3, 241	$\begin{array}{c} 160,223\\ 2,852,417\\ 950,597\\ 367,834\\ 2,387,961\\ 1,403,012\\ 984,949\\ 1,349,854 \end{array}$	1,608,238 363,864 178,872 1,504,534 861,138 643,396 447,493	$275 \\ 145 \\ 133 \\ 1,155 \\ 700 \\ 455 \\ 431$	200 325 200 125 370			150 150	75 145 133 680 350 330 61	238 230 8
1, 940 3, 200 578, 765 168, 128 13, 950 37, 806	700 3,760 694,319 108,087 3,079 26,099	11,306 17,984 4,043,099 507,398 63,572 83,621	17,308 19 78,763	830 936 283 6,266 6,035 7,040	411 1,200 765,132 141,511 1,673 3,124	16,305 42,718 12,104,982 2,199,109 51,657 98,921	1, 615 2, 228 906, 897 50, 775 3, 292 8, 062	37, 591 87, 555 21, 375, 894 3, 644, 794 201, 780 398, 925	19,671 42,609 8,364,015 1,394,910 146,831 291,942	58 29 37,776 1,407 86 329 27	14,593 536	1,675		20,052 2	58 29 856 871 84 329 27	4,436
214, 340	319,196	12, 479 784, 139	••••••	1,736 20,206	684 195, 347	97, 451 2, 181, 376	750 17, 946	127, 105 4, 491, 361	28, 904 2, 292, 039	519	40	•••••	 	100	379	
114,762	750 941, 839	36,100 9,965,014	893,456	2, 551 39, 765	12, 352 2, 862, 999	49, 212 28, 624, 283	786 841, 415	124, 223 54, 868, 661	74, 225 25, 402, 963	1 34, 480	12,098	8, 800	•••••	6,523	1 7,059	8,63
as, illumi rease, soa land stan	nating and p stock	1 neating	1	Mucilage a Musical ir	nd paste istruments	and mater	else- 1 1 ials,	Pumps, stear Saddlery and Silk goods	m harness		$\frac{1}{2}$	Toys an Vault li Wire Wirewo	rk, not	elsewh	ere spec	ified.
ron and st fattresses where sp , 151, 748	cel, weldin and sprin ecified 1, 178, 385		else-	Mucilage a Musical ir not elsev 76, 818	nd paste. Istruments where spec 12,441,991	and mater fied	1 1 1 1 1 1 1 1 4,452,414	Silk goods Steam fittin water heati 183, 449, 096	ss and stear ng apparatu 72,490,486	1 and ho 3	1 2 1	Wirewo Wirewo Woolen Worstee	rk, not	elsewh	bere spec	eified.
ron and st lattresses where sp	cel, weldir and sprin scified	ng g beds, not	else-	Mucilage a Musical ir not elser	ind paste. Istruments where spec	s and mater lfied	1 ials, 1	Silk goods Steam fittin water heati	gs and stear ing apparatu	a and he	1 2 1	Wire Wirewo Woolen Worstee	rk, not goods l goods	elsewb	iere spec	74,28
on and st [attresses where sp ,151,748 25,170 182,386	cel, weldin and sprin ecified 1, 178, 385 6, 968 62, 768	1g g beds, not 32, 361, 598 199, 840 2, 478 3, 478, 794	elso- 1,514,033	Mucilage a Musical ir not elsev 76, 818 17, 350 596 1, 238	nd paste. 1struments where speci 12,441,991 9,262 9 1,872,667	s and mater ified 106, 506, 196 861, 705 2, 520 12, 500, 458	1 1 1 1 4,452,414 28,254 199 305,202	Silk goods Steam fittin water heati 183, 449, 096	519,405 519,405 511,488	124,155 198 4 25,811	1 2 0t- 1 30, 312 3, 320 426 428	Wire. Wirewo Woolen Worstee	rk, not goods goods 853	elsewh	5,137	15,098
on and st attresses where sp ,151,748 25,170 182,386 130,855 4,387 126,468	cel, weldin and sprin, ecified 1, 178, 385 6, 968 62, 768 44, 066 1, 040 43, 026	19 g beds, not 32, 361, 598 199, 840 2, 476 3, 478, 704 615, 049 158, 327 456, 722	elso- 1,514,033	Mucilage a Musical in not elsev 76,818 17,350 506 1,238 4,490 2,400	nd paste. strument: where speci 12,441,991 9,262 9 1,872,667 66,600 1,641 64,959	s and mater filed. 106, 506, 196 861, 705 2, 520 12, 500, 458 835, 641 138, 204 607, 437	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	183, 449, 096 183, 449, 096 1, 400, 364 7, 535 20, 937, 148 1, 937, 450 332, 751 1, 604, 659	cs and stean ng apparatu 72,490,486 519,405 4,816 8,131,488 1,059,435 180,069 879,866	n and ho s 124,155 198 4 25,811 1,147 200 947 44 84 13		Wire. Wirewo Woolen Worstee	rk, not goods goods 853	elsewb 16,630 7,099 80 80	5,137 5,137 198 4 383 641 200 441	15,098
ron and st fattresses where sp 3, 151, 748 25, 170 182, 386 130, 855 4, 387 126, 468	cel, weldin and sprin, ecified 1, 178, 385 6, 968 62, 768 44, 066 1, 040 43, 026	B g beds, not 32, 361, 508 199, 840 2, 476 8, 478, 704 615, 049 158, 327 456, 722 28, 729 14, 424	1,514,033 2,992	Mucilage a Musical in not elsos 76,818 17,350 598 1,238 4,490 2,400 2,000 2,196 198	nd paste. struments vhere spec 12,441,991 9,262 9 1,872,667 66,600 1,641 64,959 525 605	s and mater ined 106, 506, 196 861, 705 2, 520 12, 500, 458 835, 641 138, 204 607, 437 54, 942 23, 123	1 1 1 1 1 1 1 1 1 1 1 28, 254 199 305, 202 42, 374 14, 478 27, 896 432 1, 435	Silk goods Steam fitting water heati 183, 449, 096 1, 409, 364 7, 535 20, 937, 148 1, 937, 450 332, 751 1, 604, 699 103, 517 67, 687	rs and stean ng apparatu 72,400,488 519,405 4,816 8,131,488 1,059,435 180,069 879,366 45,143 43,129	124,155 198 4 25,811 1,147 200 947 44 84	1 2 0t- 1 30, 312 3, 320 426 428	Wire. Wirewo Woolen Worstee	rk, not goods goods 853	elsewb 16,630 7,099 80 80	ere spec 5, 137 198 4 383 641 200 441 30 84	74,28 15,092 240 240
ron and si fattresses whoro sp 1,151,748 25,170 182,386 130,855 4,387 126,465 2,075 113,790 49,156	cel, waldii and sprin, ecified 1, 178, 385 6, 968 62, 768 44, 066 1, 040 43, 026 3, 598 40, 534 11, 615	18 g beds, not 32, 361, 598 199, 840 2, 476 3, 475, 794 615,04 158, 327 456, 722 28, 729 14, 424 9, 485 1, 037, 869 24, 623 148, 176 13, 303	elso- 1,514,033 2,992 6,971 1,364 7,758	Mucilage a Musical in not elsev 76,818 17,350 598 1,236 1,236 2,0000 2,0000 2,0000 2,00000000	nd paste. istruments istruments vhere speci- 9,262 9,262 9 1,872,667 66,600 1,641 64,955 525 605 326 48,317 172 9,772 285	s and mater ined 106, 506, 190 861, 705 2, 520 12, 500, 458 835, 641 138, 204 607, 437 54, 942 23, 128 64, 769 1, 942, 598 27, 870 104, 727 118, 116	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 305,202 42,874 432 1,435 624 27,208 1,656 7,263 2,483	Silk goods Steam Attin water heati 183, 449, 006 1, 409, 364 7, 535 20, 987, 148 1, 937, 450 332, 751 1, 604, 699 103, 517 67, 687 73, 938 3, 607, 646 84, 162 419, 934 167, 916	rs and stear ng apparatu 72,400,486 519,405 4,816 8,131,488 1,055,435 180,060 879,366 45,143 43,120 18,545 1,482,830 54,636 307,954 47,317	n and ho s 124,155 108 4 25,811 1,147 200 947 44 84 84 813 13 13 4,070 40 138 63	1 30, 312 1 30, 312 3, 320 426 2, 290 20	Wire Wirewo Woolan Worsted 71, 223 14, 159	rk, not goods goods 853	elsewh 16,630 7,099 80 80 14	5, 137 198 43 641 200 441 30 84 13 	24(74,28; 16,002 24(24(
ron and si fattresses whoro sp 1,151,748 25,170 182,388 130,855 4,387 126,468 2,075 113,790 49,156 59,695	cel, waldii and sprin, octfied 1, 178, 385 6, 968 62, 768 44, 006 1, 040 43, 026 3, 598 40, 534 11, 615 52, 705	12, 361, 598 199, 810 2, 476 3, 478, 794 615, 049 158, 327 456, 722 22, 729 14, 424 9, 485 1, 037, 869 24, 623 148, 176 13, 303 458, 650 20, 026, 556	1,514,033 2,902 6,971	Mucilage 3 Musical 11 not elsev 76, 818 17, 350 8, 200 2, 400 2, 400 2, 400 2, 400 2, 106 193 1, 640 4, 1.6 5, 325 1, 320 2, 400 2, 233 2, 200	nd paste. istruments vhere special 9,262 9 1,872,6600 1,641 64,955 525 605 326 48,317 172 9,772	s and mater ined 106, 506, 196 861, 705 2, 520 12, 500, 453 835, 641 138, 204 607, 437 54, 942 23, 123 54, 769 1, 942, 598 27, 870 -104, 727	1 ials, 1 4,452,414 28,254 28,254 19 305,202 42,874 14,478 27,208 432 1,435 624 272,218 1,455 624 272,218 1,455 7,253 2,483 14,165 114 2,573,118	Silk goods Steam Attin water heati 183, 449, 096 1,400, 364 7,535 20, 937, 148 1, 037, 450 332, 751 1,604, 699 103, 517 67,687 73,938 3,697,646 84, 162 419, 934	sa and stean ng apparatu 72,400,486 519,405 4,816 8,131,488 1,059,435 1,80,060 879,366 48,143 43,120 18,545 1,482,830 54,636 307,954	n and ho s 124,155 198 4 25,811 1,147 200 947 44 84 31 13 13 4,070 40 138		Wire Wirewo Woolan Worsted 71, 223 14, 159	rk, not goods goods 853	elsewh 16,630 7,099 80 80 14	5, 137 5, 137 198 43 641 200 441 30 84 13 138 43 248	240 74,28; 15,092 240
ron and si fattresses where sp 3, 151, 748 25, 170 182, 286 130, 855 4, 387 126, 468 2, 075 113, 796 49, 156 49, 156 49, 156 49, 156 59, 695 59, 695 49, 156 004, 105 004, 105 000, 1000, 105 000, 1000, 1000, 1000, 1000, 1000, 1000, 1000, 1000, 1000, 1000, 1000, 100	cel, weldii and sprin, actfied 1, 178, 385 6, 968 62, 768 44, 006 1, 040 43, 026 3, 598 40, 534 11, 615 62, 705 731, 021 224, 510 wood, otl w. nating anuishing ge ceffed	12, 361, 598 199, 810 2, 476 3, 478, 704 615, 049 158, 327 456, 722 23, 729 14, 424 9, 485 1, 037, 869 24, 623 148, 176 13, 303 458, 650 1, 738 20, 026, 556	elso- 1,514,033 2,992 6,971 1,364 7,758 963 1,431,747 62,238 	Mucilage a Musical in not elsev 76, 818 17, 350 598 1,238 4,400 2,400 2,060 2,196 193 1,640 4,1.6 5,325 1,320 2,400 2,325 1,320 2,400 2,325 1,320 2,596 32,837 Lumber, includim with sav Models ar	nd paste. istruments istruments istruments istruments istruments 9,262 9,262 9,262 9,262 9,262 9,262 9,262 9,262 9,262 1,872,667 66,600 1,641 64,959 7,72 9,772 285 7,179 7,159,936 3,089,004 64,959 7,159,916 7,159,916 7,159,916 7,159,916 7,159,916 7,159,916 7,159,916 7,159,917 1,759 1,759 1,759 1,759 1,05	s and mater ined 2,520 12,500,458 835,641 138,204 607,437 54,942 23,123 64,769 1,942,598 1,945,5981,945,598 1,945,598 1,945,5981,945,598 1,945,5981,945,598 1,945,5981,945,598 1,945,5981,945,598 1,945,5981,945,598 1,945,5981,945,598 1,945,5981,945,598 1,945,5981,945,598 1,945,5981,945,598 1,945,5981,945,598 1,945,5981,945,598 1,945,5981,945,5981,945,5988 1,945,59881,945	1 ials, 1 4,452,414 28,254 199 305,202 42,374 14,478 27,886 27,886 27,886 1,435 624 272,218 1,435 624 272,218 1,485 624 2,723 14,165 1,202,887 not cted 2,573,118 1,202,887 not cted 2,573,118 1,202,887 not cted 2,573,118 1,202,887 not cted 1,202,887 1,202,87 1,202,87 1,202,87 1,203,87 1,	Silk goods Steam Attin water heati 183, 449, 006 1,409, 364 7,535 20,937,148 1,937,450 332,751 1,604,699 103,517 67,687 73,938 3,607,646 84,162 410,934 167,916 1,954,892 12,106 125,700,608 26,815,104 Patent and p not elsowher Paving mater Patalonery go	rs and stear ng apparatu 72,490,486 519,405 4,816 8,131,488 1,059,435 180,069 45,143 43,129 18,545 1,482,830 54,636 307,954 47,817 1,151,037 1,317,13,037 46,399,421 13,214,239 roprietary c ore specified - rials. n	n and ho s 124, 155 198 4 25, 811 1, 147 200 947 44 84 84 13 13 4,070 40 138 63 563 78,021 13,959 00mpound		Wire Wirewo Woolen Worsted 14, 159 300 51, 624	rk, noi goods. 853 853 853 850 850 850 850 850 850 850 850 850 850	16,630 7,099 80 14 1,480 5,957 2,000 and s g appar where s and car and car	5,137 198 4 383 641 200 441 30 84 13 30 84 13 40 138 43 248 43 248 417 2,898 43 248 417 2,898 147 2,898	116 ed. 14, 28, 15, 000 240
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ron and si fattresses where sp 3, 151, 748 25, 170 182, 386 130, 855 4, 387 126, 468 2, 075 113, 796 49, 156 59, 605 1, 984, 420 604, 195 rurniture, and will as, illumi bas, illumi bas, illumi bas, illumi course sp ron and si Cnit goods Jquors, m 3, 571, 484 6, 882 181, 489	cel, weldin and sprin, setfled 1, 178, 385 6, 968 62, 768 44, 060 1, 040 43, 026 3, 598 40, 534 11, 615 52, 705 731, 021 224, 510 wood, ot wwood, ot ishing sp celfled cel, weldin alt	B g beds, not 32, 361, 598 199, 810 2, 476 3, 478, 794 615, 049 158, 327 456, 722 22, 729 14, 424 9, 485 1, 037, 869 24, 623 148, 176 13, 303 458, 650 20, 026, 556 6, 301, 886 her than ra 1 heating	elso- 1,514,033 	Mucilage 3 Musical 11 not elsev 76, 818 17, 350 1, 238 1, 238 4, 400 2, 400 2, 400 2, 000 2, 196 193 1, 640 	nd paste strüments where spec 9, 262 9, 262 9, 262 9, 262 9, 262 9, 262 66, 600 1, 641 64, 959 525 605 326 48, 317 1, 732 1, 732 1, 732 1, 732 1, 733 3, 089, 004 planing-ming planing-ming blantern atterns 1, 307 25, 510	s and mater ined 206, 506, 196 81, 705 2, 520 12, 500, 458 835, 641 138, 204 607, 437 54, 942 23, 128 64, 769 1, 942, 598 27, 870 104, 727 118, 116 789, 690 3, 900 78, 788, 609 12, 397, 978 111, products, molls conne ted waters s, not inclus 74, 204, 498	1 ials, 1 4,452,414 28,254 42,872 42,872 42,872 42,872 14,478 27,806 7,253 2,483 14,165 7,253 2,483 14,165 7,253 2,483 14,165 1,435 1,202,887 1,202,887 1,114 1,202,887 1,114 1,202,887 1,114 1,202,887 1,114 1,202,887 1,114 1,202,837 1,115 1,115 1,1	Silk goods Steam fitting water heati 183, 449, 006 1, 409, 364 7, 535 20, 987, 148 1, 937, 450 332, 751 1, 604, 699 103, 517 67, 687 73, 938 3, 607, 646 84, 162 419, 034 167, 916 1, 954, 892 20, 815, 104 Patent and p not elsewhe Paving mater Pumps, stear Soap Stationery go fied 137, 801, 538 164, 880 3, 137, 655	res and stear ng apparatu 72,400,486 519,405 4,816 8,131,488 1,055,435 180,069 879,366 45,143 43,129 18,545 1,482,830 54,636 307,954 47,317 1,151,037 1,551,037 1,051,054 47,317 1,51,037 1,051,054 47,317 1,317 1,321,037 1,051,054 47,317 1,321,037 1,051,037 1,051,054 47,317 1,321,037 1,051,037 1,051,054 1,050,054 1,050,054 1,050,050,050 1,050,050,050,050 1,050,050,050,050,050,050,050,050,050,05	n and ho s 124, 155 198 4 25, 811 1, 147 200 947 44 84 83 4,070 138 63 563 78,021 13,959 00mpound there spec		Wire Wirewo Woolen Worsted 71, 223 	rk, not goods. 850 853 850 850 850 850 850 850 850 850 850 850	16,630 16,630 7,099 80 14 1,480	5, 137 198 4 383 641 200 441 30 84 13 	74, 283 15, 055 240 240 240 240 240 240 240 240 240 240
con and si fattresses where sp , 151, 748 25, 170 182, 386 130, 855 4, 387 126, 468 2, 075 113, 700 49, 156 59, 605 59, 605 59, 605 59, 605 59, 605 1013-5, 101 40, 125 59, 605 1014-5, 1014 604, 105 5, 1014-5, 1014 6, 882	cel, weldin and sprin, setfled 1, 178, 385 6, 968 62, 768 44, 006 1, 040 43, 026 3, 598 40, 534 11, 615 52, 705 731, 021 224, 510 wood, otl wwood, otl wwithg an ishing g ceifled	12, 361, 508 199, 840 2, 361, 508 199, 840 2, 476 3, 478, 704 615, 049 158, 327 456, 722 23, 729 14, 424 9, 485 1, 037, 869 24, 623 148, 176 13, 303 458, 650 1, 738 20, 026, 558 6, 301, 886 her than ra d heating nods, not 129, 864, 920 20, 711	elso- 1,514,033 	Mucilage 3 Musical 11 not elsev 76, 818 17, 350 508 1,238 4,400 2,400 2,400 2,106 1,330 1,640 4,1.6 5,325 1,320 2,400 2,336 32,837 Lumber, including with say Mineral an Models an paper pu OI, anima 278,840 1,441	nd paste strüments where spec 9, 262 9, 262 9, 262 9, 262 9, 262 9, 262 1, 872, 667 605 326 48, 959 525 605 326 48, 317 1, 772 1, 732 1, 732 1, 732 1, 732 1, 633 3, 089, 004 planing-ming planing terms 1 6, 932, 266 1, 307	s and mater ined 2,506, 196 861, 705 2,520 12,500, 458 835, 641 138, 204 697, 437 54, 942 23, 123 54, 769 1, 942, 598 27, 870 104, 727 118, 116 789, 090 12, 397, 978 111 products, mflls conne ted waters. s, not includ	1 ials, 1 1 4,452,414 28,254 28,254 19 305,202 42,878 14,478 27,896 432 1,437 14,478 27,896 7,253 2,483 14,165 7,253 2,483 14,165 7,253 2,483 14,165 1,202,887 not cted 2,578,100 513	Silk goods Steam Attin water heati 183, 449, 096 1, 409, 364 7, 535 20, 937, 148 1, 937, 450 332, 751 1, 604, 699 103, 517 67, 687 73, 938 3, 607, 646 84, 162 419, 934 167, 916 1, 954, 892 12, 196 125, 760, 608 26, 815, 104 Patent and p not elsewind Patent and p not elsewind Patent and p inot elsewind Patent and p	re and stear ng apparatu 72,400,486 519,405 4,816 8,131,488 1,059,435 1,80,060 879,366 45,143 45,143 43,120 18,545 1,482,830 54,636 307,954 47,317 1,151,037 5,091 46,380,421 13,214,239 proprietary c ere specified rials	n and ho s 124, 155 198 4 25, 811 1, 147 200 947 44 84 83 4, 070 138 63 563 78, 021 13, 959 00mpound where spect		Wire Wirewo Woolen Worsted 71, 223 	rk, not goods. 850 853 850 850 850 850 850 850 850 850 850 850	16,630 16,630 7,099 80 14 1,480	5, 137 198 4 883 641 200 441 30 54 13 	116 cd. 14, 25 15, 09, 24 24 24 24 24 24 24 24 24 24

94669°—22——42

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

States 1

	1777 - 1993 1777 - 1993				PERSO	ons en	AGED I	N THE IN	IDUSTRY.	<u></u>	WAG NEARI	E EARN EST REPI	ERS DE RESENT.	C. 15, ATIVE	OR DAY.	
	and and a second se					Clerk	s, etc.	• 	Wage earne	ors.		16 and	l over.	Und	er 16.	a.
	INDUSTRY AND CITY.	Num- ber of estab- lish- ments	Total.	Pro- prie- tors and firm mem- bers	Sala- ried offi- cers, super- in- tend- ents, and man- agers.	Male.	Fe- male.	Aver- age num- ber.	Number, 15 Maximum month.	Minimum month.	Total.	Male.	Fe- male.	Male.	Fe- male.	Capital,
	CITIES OF 50,000 INHAI	BITAN	TS OR	MOR	E-AL	L IND	USTR	ES COI	MBINED A	ND SPECI	FIED II	i DUST	RIES-	-Conti	nuod,	
2 3 4	LOWELL—Continued. Food proparations, not elsewhere specified. Foundry and machine-shop products Boller shops and foundries Machine shops Knit goods Lumber, planing-mill products, not including planing mills connected	3 17 5 12 5 6	28 681 174 507 5,471 130	4 13 3 10 2 1	23 10 13 22 13	50 50 14 3	48 7 41 76 9	24 547 154 893 5,357 104	De 36 Ap 218 De 461 De 5,679 No 116	Oo 4 Jy 118 Je 353 My 5,041 Fe 91	36 627 166 461 5,679 110	11 620 166 454 1,598 110	25 2 3,932	5 5 56	93	Dollars. 14, 432 3, 940, 555 352, 559 3, 587, 996 10, 647, 355 540, 558
7	with sawmills. Marble and stone work, monuments and tombstones.	5	9	5	•••••			4	Je * 6 Fe * 23	Ja 1 My ^s 19	5 22	5 19	3			13,349
9 10 11	Mattresses and spring beds, not else- where specified. Mineral and soda waters Patent medicines and compounds Printing, lob. Printing and publishing, newspapers	8 6 5 9	26 25 198 65 152	3 7 2 10 6	2 12 2 14	11 22	2 1 28 	21 15 145 53 98	Je ³ 18 No 203 Oc ³ 56	De 12 Je 106 Je 47	14 184 50 105	14 98 51 94	86 5 11		· · · · · · · · · · · · · · · · · · ·	38, 563 86, 238 1, 562, 804 85, 541 598, 039
13 14	and periodicals. Printing and publishing Printing, publishing, and job	3	124 24	2 3	11 1	22	11	78 20	De 84 (4) 20	Je ⁸ 72 (⁴) 20	85 20	77 17	8			414, 989 181, 850
15 16 17 18 19 20	printing. Publishing without printing Textile machinery and parts Tobacco, cigars and cigarettes. Wirework, not elsewhere specified Woolen goods Worsted goods All other industries*	3 12 8 3 5 81	4 2,333 22 28 787 1,258 5,417	1 5 7 2 9 67	2 72 1 2 44 29 91	50 1 1 13 5 172	1 66 2 7 13 199	2, 140 13 21 723 1, 202 4, 888	Oc 2,603 De 15 Dc 35 Je 841 Dc 1,301	Ap 1,775 Se 11 My 13 Fe 331 Fe 783	1,828 14 45 784 1,391 4,109	1,608 12 23 533 448 2,583	129 2 248 787 1,429	25 12 3 32 75	6 10 124 22	1,200 5,674,722 28,813 51,789 3,372,736 3,075,021 22,183,971
Ami Arti Arti Aut Aut Boo	*All other industries embrace- munition	Brass Broon Brush Carpe Carrie Carrie Carrie and	s, set-up and bron as ts and ru ts, rag ges and and gene repairs panles	ize pro igs, oth wagons ral sho by	ducts. er tha op con electric	n rag. structic c-railros	$\begin{array}{c} 1\\ 1\\ 1\\ 1\\ 2\\ 2\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	Clothing Coffee, re Combs a metal Druggist Electrica suppli	g preparation ; women's basting and (and hairpins, or rubber s' preparatica al machinery es lating	grinding. not made fr ns , apparatus, i		cludi Fancy fied Felt go Furniti and v Gas, ill Glass,	ng plate articles ods ure, wo villow. uminat cutting	od, ot ing an	ing elsewho her the d heati ing, an	plate, in- 1 1 1 1 1 1 1 1 1 1 1 1 1
1	LYNN—All industries	442	32,266		1, 208	1,543	1,772	27, 355	De 30, 409	Ap 25, 531 Fe 13		21, 131 19	7,065	216	110	97, 501, 718
45	Automobile repairing Blacking, stains, and dressings Boot and shoe cut stock Boot and shoe findings Boots and shoes, not including rubber boots and shoes.	4 11 39 57 105	23 149 958 1,140 13,480	3 6 45 64 72	10 53 44 471	28 26 32 270	2 28 38 44 544	18 77 796 902 12, 123	My ¹ 21 De 84 De 846 De 1,141	Fe 13 Ap 71 Ap 738 My 777	10 84 846 1,151 13,164	54 650 757 7,661	80 159 349 5,315	86 18 127	1 27 61	27,654 326,385 9,012,328 2,669,726 27,728,162
7 8 9 10 11 12 13 14	Regular factory products All other Boxes, set-up paper boxes Bread and other bakery products Clothing, women's. Confectionery and ice cream	8	13,368 112 137 274 55 59 24	59 13 47 47 8 4 3	470 1 14 9 2 4 2	269 1 2 21 2	542 2 3 21 2 11	12,028 95 114 176 48 38 19	De 12,953 No 135 No 117 Au 190 No 66	My 11, 253 Jy 72 Ap ³ 112 Ja ³ 163 Ja 25	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	7,620 41 47 141 1 28 14	5,219 96 67 46 58 21 15	127 1	58 8 1	$\begin{array}{r} 27,602,208\\ 85,894\\ 245,114\\ 247,445\\ 66,205\\ 105,657\\ 49,422\\ \end{array}$
13 14 15 16	Confectionery Ice cream Cutlery and edge tools Electrical machinery, apparatus,	4	85 28 12,433	1 2 1	2 3 455	2	11 2 873	19 21 10,084	Jy 29 Jy 27 Ap ² 22 De 11,591	Se 14 Ja 14 Mh ^s 20 Mh 9,270	29 15 21 9,591	9 21 9,085	6 505	1	, .	56, 235 24, 660 88, 278, 897
17 18	and supplies. Foundry and machine-shop products, Leaster, tanned, curried, and finished. Lumber, planing-mill products, not including planing mills connected with sawmills.	19 8 11	484 399 1,105 29	18 6 3 8	20 21 26 2	43 16 12	26 9 28 3	357 847 1,041 21	No 403 Jy 411 De 1,188 De 27	Ja 282 Ja ⁸ 263 Ja 828 My 15	895 860 1,188 27	388 332 1,038 27	7 17 150			1,047,658 738,836 11,598,052 79,209
21	Marble and stone work, monuments	4	20	5			2	13	My 17	Ja 10	12	12				28, 499
22 23 24 25	Mattresses and spring beds, not else- where specified. Mineral and carbonated waters Models and patterns, not including paper patterns.	1.	9 36 62 67	8 6 16 4	8	1 2 12	23	5 23 43 39	(*) 5 Je 35 Je 48 No 3 46	(4) 5 Ja 17 Oc 3 35 Ap 33	5 18 49 46	4 18 48 36	1	i 6	•••••	10, 800 68, 443 75, 915 296, 310
26 27 28	Muclage, paste, and other adhesives, not elsewhere specified. Printing, job Tools, not elsewhere specified. All other industries *	20	185 27 1,121	19 3 51	8 3 54	5 1 50	15 1 114	138 19 852	No 168 De 35	Ja 115 Ja 8	167 35 938	118 35 616	43 293	5 10	1	339, 558 52, 335 4, 463, 805
Au Aw Ba Ba Bo	* All other industries embrace- ificial stone products	Bras Bricl Brus Butt Carri Carri onl	s and bro c, buildin hes age and ages and y cotive of for purch	ng wagon l wago	materi ns, rej	als pair, wo	1 1 2 1 rk 2	Clothin Copper, Druggis Electro Flavori	d general sh repairs by anles. g, men's, but tin, and she ts' preparati plating	tonholes. et-iron work ons	1 1 2 1 1	Food speci Gas, ill Grease Hair w Iron an made	prepara ified lumination soap s vork id steel, o in ste	ting an tock cut nai	not d heati lsands ts or rol	ducts 2 olsewhere 2 ng 1 pikes,not ling mills 1

* Then the wheel wheels and the birds of operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—MASSACHUSETTS.

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPE	NSES.			4 19 1 L	an Alama				PC	WER.			
Sala	ries and w	ages.		Rent an	d taxes.	For mat	erials.	a a gara			Prim	ary hor	sepow	er.		Elec- tric
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufac- ture.	Total.	Steam en- gines (not tur- bines).	Own Steam tur- bmes.	Inter- nal-	Wa- ter pow- er.1	Rent- ed. ²	horse- power gener- ated in estab- lish- ments report- ing.
	CITII	IS OF 50,0	00 INIIA	BITANTS	OR MOR	E-ALL II	NDUSTRI	ES COMBIN	ED AND S	PECIFI	ED IND	USTRI	ES-C	Continuo	d.	
Dollars.	Dollars.	Dollars. 19,925	Dollars.	Dollars. 3,830	Dollars. 28	Dollars. 39,314	Dollars. 2,045	Dollars. 63,142	Dollars. 21, 783	15	•••••				15	
$72,500 \\ 31,277 \\ 41,223 \\ 105,870 \\ 46,287$	91, 614 7, 302 84, 312 112, 813 11, 446	$\begin{array}{r} 602,950\\ 179,070\\ 423,886\\ 5,008,872\\ 131,248\end{array}$	385,029 385,029	15, 535 6, 505 9, 030 8, 791	34,659 13,561 21,098 626,452 44,166	1,086,820 234,393 852,427 9,873,481 743,262	44,944 13,209 31,735 121,699 6,653	2,284,779 551,746 1,733,033 17,172,099 1,131,274	$\substack{1,153,015\\304,144\\848,871\\7,176,919\\381,359}$	747 238 509 8,211 226	312 75 237 4,650 15	56 56 1,035	23 23	2,200	356 163 193 326 211	150 150 948
•••••		4,257	7,701	400	176	5, 532	553	30, 554	24, 469	22	12			•	10	
2,500 84,236 9,800 33,525	1, 374 750 28, 941 3, 696 40, 895	20,862 13,173 127,464 61,223 167,779	150 5, 616	2,940 3,094 4,395 5,993 4,200	528 3, 524 113, 568 2, 399 18, 991	51, 122 50, 782 595, 011 106, 956 172, 406	491 1,170 7,642 3,206 10,997	90,293 87,999 1,512,540 254,530 661,323	38, 680 36, 047 909, 887 144, 308 477, 920	33 621 105 161	571				33 36 50 105 161	6
28, 525	38, 420 1, 875	143, 509 24, 270		2, 480 720	15, 855 3, 011	122,657 49,749	9,093 1,904	541, 895 101, 617	410, 145 49, 964	140 21					140 21	
5,000 229,571 1,560 2,588 162,770 100,610 641,744	600 157, 495 200 2, 918 22, 720 76, 522 404, 046	2,505,036 12,429 19,351 880,150 1,017,382 5,330,655	5, 616 544 534 17, 477	1,0007,4762,1041,4926,20041,19673,330	125 184,258 8,870 890 375,879 191,538 2,015,918	2,832,582 28,699 53,807 3,127,221 2,260,963 11,389,059	101, 849 317 837 84, 356 101, 515 855, 601	$\begin{array}{c c} & 17,811 \\ 7,185,194 \\ 57,963 \\ 89,888 \\ 5,368,558 \\ 4,429,638 \\ 24,443,848 \end{array}$	1 2,007,100	2,734 1 50 1,969 2,876 8,150	585 25 1,200 1,675 2,475	200		310	1,559 1 25 459 976 5,448	105 143 859
ooking-g	lass and pi	ng. elsewhere s irried, and oture frame [32, 992, 420	8 1	rials Paper goo Perfumer Phonogra Pickles ar	ds, not els y and cos phs and gr	ts, piano n where speci metics aphophones 88 83, 626, 797	fied. 2 1 1 2	Sausage, no and meat- Scales and b Screws, mac Signs, other Soap. Stationery ge fied. Stencils and Stencils and Stencils and Stencils and	brands and electron	where spe yping		Wood,	turnec	onwork, or rollin garters s nes door so i and ca	rved	
33, 160 238, 058 142, 267 1, 895, 034 1, 895, 184	1,384 69,131 133,974 87,563 1,398,191		19,009 14,190 71,874		326 5,637 395,840 34,311 1,147,351 1,147,130	44,242 566,258 18,512,409 4,534,482 87,745,424 87,721,498	22,526 22,854 153,991	23, 152, 402 7, 057, 957 66, 457, 349 66, 319, 719	40, 440, 000	38 454 691 3,476 3,412	150 433 433				27 38 304 691 3,043 2,979	110 110 42 42
750 17,593 18,503 1,874 5,890 1,740 4,150 7,022 1,273,746	2,248 7,073 38,738 1,140 10,940	76,004 89,113 199,330 28,273 39,138 16,634 22,504	125	. 6,886 . 1,550	108	10,610	27, 539 553 4, 683 1, 292 3, 391 2, 186	1,631,554 110,340 251,153 102,360 148,793 80,231 33,149,457	63,780 120,292 42,616 77,676 61,435 26,113,808	17,620	20 20 1, 383				. 18 237	29, 333
60, 804 84, 486 332, 425 8, 000	41.413	400,493	5,698	9,817	19,699 70,563 925,383 586	10, 526, 249	75,772	1,209,363 1,479,362 15,824,162 123,676	0,222,141	2,30L	10		•	· · · · · · · · · · · · · · · · · · ·	348 619 1,201 158	
	. 1,004 . 1,750	4, 262	500		47	12, 290	225		14, 759	72 18 36			•		. 72 . 18 . 36	
5,420	- 896	67, 374	2,668	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	911	25, 270	2,026	196, 497	169, 201	46	105	•		•	- 46 - 32	
25,980 27,693	18,833	127,159	1,258	2,161	5,030 806	173, 261 7, 675	3,449 860	501, 081 44, 244	824, 371 35, 709		913		. 10		. 142 28 1,042	
27, 693 3, 794 222, 367										ind rubl		Stencil				

³ Same number reported for one or more other months.

Same number reported throughout the year.

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

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				1	PERS	ONS ENG	AGED I	N THE IN	DUSTRY.		WAG NEARI	E EARN ST REPI	ERS DE RESENT	C. 15, ATIVE	OR DAY.	
					Sala-	Clerk	s, etc.		Wageearne	ers.		16 and	l over.	Und	or 16.	e la g
	and the second	Num- ber of estab- lish- ments	Total.	Pro- prie- tors and firm mem- bers.	ried offi- cers, super in- tend-	Male.	Fe- male.	Aver- age num- ber.	Number, 14 Maximum month.	5th day of— Minimum month.	Total.	Male.	Fe- male.	Male.	Fe- male.	Capital.
	CITIES OF 50,000 INHA	BITA	NTS 01	з моі	REA	LL IN	OUSTI	IES CO	MBINED A	ND SPECI	FIED IN	1DUST]	RIES-	Contin	ued.	
1	NEW BEDFORD-All indus- tries.	267	43, 226	231	505	396	404	41,630	De 44, 197	Ap 39,852	44, 209	25, 591	16, 689	915	1,014	Dollars, 174, 598, 315
2 3 4 5 6 7 8	Automobile repairing Bread and other bakery products Confectionery and ice cream Coton goods Foundry and machine-shop products. Lumber, planing-mill products, not including planing mills connected	17 55 9 8 31 10 6	66 540 86 65 35,808 280 77	14 63 18 7 5 7 6	$ \begin{array}{r} 4 \\ 16 \\ 3 \\ 281 \\ 8 \\ 4 \end{array} $	2 28 2 157 6	4 16 7 5 159 2 2	42 417 50 50 35, 206 257 65	Ja ³ 45 Ja 448 Je 64 Au 58 Do 37,002 No 267 No ³ 75	So 38 My 382 Ja 50 Ap 45 Ap 33,865 Au 235 Ja ³ 56	46 419 55 48 36, 904 256 75	$\begin{array}{r} 46\\322\\30\\48\\20,165\\238\\74\end{array}$	76 25 15,020 16 1	805 2		$\begin{array}{r} 80,832\\800.802\\134,118\\91,267\\153,900,717\\358,949\\134,205\end{array}$
9 10 11 12 13	with sawmills. Marble and stone work. Mineral and carbonated waters Oil, animal and composite. Patent medicines and compounds Printing and publishing, book and job.	6 7 4 3 16	34 56 79 9 94	5 7 2 1 19	2 3 6 1 4	1 	1 5 5 3	26 41 05 7 65	Se 37 Jy 52 De 74 (4) 7 De 71	Fe 10 Ja 29 Mh 62 (4) 7 Ja 60	23 40 74 7 74	23 36 60 53	3 14 1 21	• • • • • • •	· · · · · · · · · · · · · · · · · · ·	78,083 127,550 903,784 14,395 102,476
14 15 16 17 18	Pfinting and publishing, newspapers and periodicals. Sausage, not made in slaughtering and meat-packing establishments Shipbuilding, wooden, small boats Textile machinery and parts All other industries *	9 7 3 9 67	213 46 35 186 5, 552	5 9 3 9 51	19 2 2 10 197	22 2 1 172	16 2 4 0 167	151 31 26 160 4,905	De 156 Ja ³ 32 My ³ 33 De 177	Ja * 146 Je ³ 30 Ja 18 My 149	153 2 32 177 5, 794	142 28 32 134 4,154	11 4 40 1,457	3 104	79	215,003 61,297 86,716 225,642 17,332,479
Arti Aut Boo in Boo Boo	* All other industries embrace- ficial stone products	Brass Broon Card Carpe Carrie	s, set-up s, wooden es and bro ns, from cutting a sts, rag ages and y	nze pro broom nd des wagoi	corn igning	air wor	2 2 2 1 1 k	Clothin Coffee a ing Coopera Cordage	d general sl apairs by elect s, women's and spice, ror age, hogshead and twine. small wares.	isting and gr. Is and barrols	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	supp Firearr Food speci Furnit Gas, ill	lies ns prepara fied ure luminat	tions, ing an	not e d heati	atus, and 11 Isewhere 1 ng1
1	SOMERVILLE-All industries.	140	6,978	105	209	390	163	6,111	Fe 6,853	No 3,764	5, 805	5, 211	530	40	24	44,089,118
2345678	Automobile bodies and parts Bread and other bakery products Clothing, women's Confectionery and ice cream Confectionery Ice cream Grease and tailow, not including lubricating greases.	3 4 3	32 352 47 65 14 51 89	2 32 3 3 3 3	2 12 6 8	22 1 2 2 4	17 1 1 2	27 279 43 53 11 42 74	My ³ 30 Ap 313 86 49 (4) 11 Jy 63 No 78	Ja ^a 24 Se 230 De 34 (1) 11 Ja ^s 24 Ja 71	28 245 34 42 11 31 76	28 181 30 28 76	60 33 10 8 2	1 2 1 1	3	40, 688 015, 658 14, 600 127, 762 20, 583 101, 179 359, 586
9 10	House-furnishing goods, not else- where specified. Lumber, planing-mill products, not including planing mills connected	3	71 45	1	2	9 	4 5	55 35	De 71 De δ1	Ja 34 Ja 21	71 51	53 49	12 	6 2		118, 764 163, 908
11 12 13	with sawmills. Mineral and carbonated waters Printing, job Printing and publishing, newspapers	3 11 5	13 24 48	5 12 3	1 1 3	1 9	1 7	7 9 26	Au 10 (4) 9 F 6 ³ 28	Ja ³ 6 (4) 9 No 24	6 10 26	6 10 19		 1	• • • • • • •	81, 553 20, 668 54, 003
14 15 16	and periodicats. Slaughtering and meat packing Tools, not elsewhere specified All other industries *	5 3 62	3,640 15 2,537	1 2 39	59 1 110	227 1 114	63 1 71	3, 290 10 2, 203	Ja 4, 154 (1) 10	No 811 (4) 10	2, 802 10 2, 344	2,786 10 1,902	74 335	2 26	 	35,088,970 51,896 7,395,062
Arti Arti Bag in Boo in	* All other industries embrace— 	Boxes Boxes box Brass Bruss Carris	and ber boot s, set-up s, woode: (es ages and ective of or purch	paper n pack and co wagon	boxes. ing, ex opper p s	cept ciga roducts	2 ir . 1 . 3 . 1 . 1	and r panie Cleansin Coffins, taker, Cutlery Dyeing sive o	Id general sk apairs by stea S	am-railroad c ing preparations, and un ols. g textiles, ex textile mills	2000- 1 1 0005. 2 1 der- 2 der- 2 colu- 2 colu-	Fancy Food speci Found Furnit and Glass, mon	articles prepara fled ry and 1 ure, wo willow cutting	, cellul itions, machin od, ot g, stair	oid nov not o her tha ung, an	ural 1 coltics 1 Jsewhere products 3 n ratian 1 nd orna- 1 c plants).

MANUFACTURES—MASSACHUSETTS.

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPI	INSES.			4.4 - A. 4	·	1 I.			P	OWER.			
Sala	ries and w	ages.		Rent an	d taxes.	For mat	terials.				Prin	nary hor	sepowe	er.		Elec-
			For	•	Taxes,	ta an		Value of products.	Value added by manufac-			Own	ed.		р. ¹¹ . т	tric horse- power gener-
Officials.	Clerks, etc.	Wage earners.	contract work.	Rent of factory.	Federal, state, county, and local.	Principal materials.	Fuel and rent of power.		ture.	Total.	Steam en- gines (not tur- bines).	Steam tur- bines.	bus-	Wa- ter pow- er.1	Rent- ed. ²	ated in estab- lish- ments report- ing.
<u></u>	CITI	ES OF 50,	000 INHA	BITANT	S OR MO	RE-ALL 1	NDUSTR	IES COMBI	NED AND	SPECIF	IED IN	DUSTI	IES-	Contin	ued.	
Dollars. 2,406,117	Dollars. 951, 212	Dollars. 40,012,121	Dollars. 188,611	Dollars. 874,772		Dollars. 118,529,158		Dollars. 210,773,312	Dollars. 83, 202, 554	150, 248	90,266	19,857	537		39, 588	27,720
8,751 37,324 3,760 2,130 1,555,093 17,683 7,645	3,738 49,520 6,520 3,656 407,704 6,976 1,488	46,292 431,120 49,469 67,611 33,186,313 319,299 66,176	135, 741 187	7,44724,5614,4753,458761,0647,8594,386	2,832 33,061 2,827 398 10,408,123 20,402 2,359	$51,354\\1,405,422\\299,123\\77,353\\101,551,873\\249,729\\180,744$	$\begin{array}{r} 4,061\\ 43,905\\ 9,490\\ 1,483\\ 3,102,256\\ 15,596\\ 4,135\end{array}$	$\begin{array}{r} 184,897\\ 2,409,319\\ 445,075\\ 199,690\\ 177,058,520\\ 744,740\\ 296,053\end{array}$	$\begin{array}{r} 129,482\\ 959,992\\ 136,462\\ 120,854\\ 72,404,391\\ 479,415\\ 111,174\end{array}$	70 257 260 37 134,086 243 666	85,812	17,982	450		200	26,674
10, 400 7, 790 36, 317 582 8, 428	1,200 3,465 5,574 6,148	29, 410 42, 026 62, 804 7, 773 54, 401	880	50 600 300 612 6,094	709 24,663 28,283 403 922	15,796225,4881,484,83211,65764,360	1,742 3,220 7,754 278 3,586	90,210 385,355 1,890,030 27,099 207,075	72,672 156,647 397,444 15,164 139,129	88 25 110 85	81	-	• • • • • • • •	•••••	85	
85, 573 2, 600	36,440 3,844	172,976 39,187	1,555	11,723 2,626	13,881 1,343	205,987 468,060	14,473 6,090	659,405 573,008	438,945 08,858	416 107			. 72		344 107	
2,000 3,500 20,905 597,027	2,498 4,250 408,185	41,070 137,411 5,258,783	1,200 47,474	1,348 5,034	106 4,413 1,294,709	25, 689 295, 243 11, 916, 448	508 8,797		60, 543 336, 902	38 177 13, 583	40 3,954		8		38 137 7,748	13 1,038
Hats and c and wool Ice, manuf Iron and st	ng greases aps, other l. factured teel, weldi	ing, and c not inclu than folt, st ng.	í	Leather g fied Liquors, I Machine t Mattresse where s Paints Paper and Paper goo	oods, not nalt s and sprin pecified i wood pul ds, not else	elsewhere s ng beds, not p. where speci	peci- 1 2 1 else- 2 1 fied. 1	Pickles and a Plated ware, Saddlery and Screws, wood Show cases Silk goods, in Slaughtering Stationery ge fied	hollow ward harness ncluding thr and meat p	owsters acking wherospe	2 1	Steam wate Tobaco Tools, Toys a	fitting r heatin o, cigan not else nd gam	s and (1g appa rs where 185	steam a ratus. specified	nd hot-
711,029	775, 527	7,021,671	112,692	102,258	679,681			99, 558, 513	12,461,172	-	3,698	350	96	1	11,148	208
$ \begin{array}{r} 1,287\\32,506\\22,245\\22,245\\22,245\\15,194\end{array} $	868 44,524 3,786 3,018 3,018 10,498	33, 491 287, 063 26, 180 79, 432 8, 810 70, 622 82, 585	3,380 3,380	$115 \\ 11, 199 \\ 1, 160 \\ 3, 842 \\ 562 \\ 3, 280 \\ 160 \\$	684 11,980 90 7,180 260 6,920 16,692	30, 361 987, 012 44, 760 336, 365 34, 271 302, 094 392, 715	2,006 28,086 567 4,923 938 3,985 16,813	$\begin{array}{r} 80,910\\ 1,652,912\\ 86,754\\ 493,031\\ 52,939\\ 440,092\\ 609,832\end{array}$	$\begin{array}{r} 48,549\\ 637,814\\ 41,427\\ 151,743\\ 17,730\\ 134,013\\ 200,304 \end{array}$	38 136 10 71 9 62 165			-		38 136 10 71 9 62	
5,000	18,774	46,028		2,447	829	111, 882 45, 005	4, 192 3, 854	219,554 146,462	103,500 97,603	111 238	225	• • • • • • • • • • • • • • • • • • • •	. 38	,	. 73 13	
9,896 750 1,300 3,580	3,282 2,595 13,500	46,145 8,614 11,138	200	1,525 1,619	1,990 541 348	35,793 21,398 16,711		61,291 56,957 86,705	24,645 34,920 68,224	18 22 18			. 8		18 19 18	
3,580 211,642 1,000 406,629	13,500 425,173 2,322 247,127		94, 761	1,190 16,734 1,054 61,213	741 339,448 1,345 207,813			11		6,011 26 8,429	2, 525 783		55	1	3, 136 26 7, 590	200
Hardware, Jewelry Leather, finished. Looking-gl Mirrors, fr elsewher	tanned, lass and pi ramed and ro specified	curried, cture frame unframed	1 and 1 s 1 , not 1 2	Paving m Pickles an Pocketbo Pulp good Refrigera Show cas Stationer specific	atorials oks ds tors y goods, d	ary medicin not elsew	1 1 1 1 1 1 1 1 1 1 1 1 1 1	Steam fittin water heat Suspenders, woven goo Textile mach Theatrical sc Tinware, no Tobacco, cig Trunks and	ing apparatu garters, a ds ninery and p enery t elsewhore s	arts	tic 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Wood, Woode fied.	turned n good	and ca s, not	rvad	re speci-
		-98110 L	umner 19h						na na Ardi Marina An Marina							

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MANUFACTURES-MASSACHUSETTS.

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

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					PERS	ions en	GAGED	IN THE I	NDUSTRY.			GE EARI EST REF				
	α.				Sala-		cs, etc.		Wago car	ners.		16 an	d over.	Und	er 16.	
	INDUSTRY AND CITY.	Num- ber of estab-		Pro- prie-	ried offi- cers,				Number,	15th day of—						Capital.
		lish- ments	Total.	tors and firm mem-			Fe- male.	Aver- age num-			Total.	Malo.	Fe- male.	Male.	Fe- male.	
				bers.				ber.	Maximun month.	1 Minimum month.						
·			12000 0	<u> </u>									Drag	0		
-	CITIES OF 50,000 INE.				KIA		DOST			AND SPECI			KIES-	Contin		7
1	SPRINGFIELD—All industries. Automobile bodies and parts	401 6	22,421 512	<u>294</u> 1	986 	1,365	1,347 27	18, 429 434	De 21,083 Ja 610		21, 558 446	15,539 439	5,444	258 1	317	Dollars. 81,448,826
2 3 4 5	Automobile ropairing. Awnings, tents, and sails. Bookbinding and blank-book making.	17 3 3	156 24 54	$13 \\ 5 \\ 2$	9 2	19	0 3 2	109 16 48	De 121 Je 31	Ja 84 Ja 3 8	121 9 49	118 118 5 16		2	3	$\begin{array}{r}1,461,909\\262,605\\47,690\\37,974\end{array}$
6 7 8	Boxes, set-up paper boxes Brass and bronze products Bread and other bakery products	4 5 58	65 836 611	$\begin{bmatrix} 4\\2\\53\end{bmatrix}$	55 30	61 62	1	60 694 441	Ap ³ 49 De 72 Ja 753 Oc 490	Se 51 Se 653	72 719 477	13 658 380	50 44 97		73	35,805 2,905,800 1,524,404
9 10 11	Carriages and wagons Clothing, women's. Coffee, reasting and grinding Confectionery and ice cream	3 (42 74 8	6 2 3	1 3	2	24 25 1 1	34 00 5	Mh 42 My 76 (4) 5	Ja 28 Ja 52	36 68 5	36 3 5	65	•••••		142,715 93,322 37,729
12 13 14	Confectionery and ice cream Confectionery Ice cream	12 6 6	515 445 70	15 8 7	19 13 6	62 57 5	50 40 10	$369 \\ 327 \\ 42$	Oc 425 Jy 3 59	Je 273	380 348 38	144 108 30	$\begin{array}{c}199\\197\\2\end{array}$	3 3	40 40	1, 656, 356 1, 266, 056 300, 300
15 16	Copper, tin, and sheet-iron work Electrical machinery, apparatus, and supplies.	13 10	70 1,838	15	57	1 173	4 170	50 1, 438	Oo 3 62 De 2,295	My 40 Mh 933	62 2,286	61 1,578	688	1 4	16	100,655 8,924,183
17 18	Engraving and diesinking Fancy articles, not elsewhere speci- fied.	5 3	7 52	6 2	ĩ		····i	1 48	(4) 1 No 70	(4) 1 Ja 18	1 63	1	60	•••••		2, 621 64, 988
19 20	Food preparations, not elsewhere specified. Foundry and machine-shop products.	4 27	17 1,629	2 14	. 4 83	1 78 5	87	10 1,367	(4) 10	(4) 10	11 1,801	9 1,767	2 29	5		34,084 5,575,795
21 22 23	Boiler shops and foundries Machine shops Hand stamps	5 22 4 3	242 1,387 67	1 13 4 2	8 75 7	73	5 82	223 1,144 53	Se 233 De 1,572 Oc 59	Ja 845	1,801 226 1,575 58	225 1,542 28	29 21	1 4 3	6	444,115 5,131,680 68,671
24 25	Leather goods, not elsewhere specified. Mattresses and spring beds, not elsewhere specified.	3	50 27	3	3	3 1	6 1	36 22	Au 44 Oo 3 25	Ja 3 20	34 20	8 17	21 3			104,001 95,835
26 27	Mineral and carbonated waters Models and patterns, not including paper patterns.	6 6	52 55	- 4 7	7	2	42	85 46	ју 51 De 62	Ja 23 Ja 26	31 62	29 61	2 1		••••	168, 575 72, 607
28 29	Paper goods, not elsewhere specified Printing and publishing, book and job.	5 39	93 583	6 30	8 52	6 37	11 86	62 378	De 84	· ····	80 394	74 244	6 129	14	7	627, 637 1, 743, 714
30 31 32	Job printing. All other Printing and publishing, newspapers and periodicals.	32 7 11	464 119 770	27 3 5	34 18 31	7 30 174	20 66 194	$\begin{array}{c} 376\\2\\366\end{array}$	My 389 (4) 2 Ap 398	(1) 2	392 2 387	242 2 325	129 45	14 17	7	1,098,570 645,144 2,394,818
33 34	Saws Stationery goods, not elsewhere speci- fied.	4	257 630	2	20 24	47 19	14 29	174 558	De 234 Se 627	Mh 139 Fe 471	234 580	153 175	80 383		1 17	1,577,511 1,679,749
35 36 37	Tobacco, cigars Tools, not elsewhere specified All other industries *	14 8 114	391 415 12,521	19 5 62	4 32 498	4 596	 11 587	368 363 10,778	Oo ³ 423 Do 384	My 307 Mh 353	434 384 12,248	282 372 8,535	151 8 3, 324	1 4 175	214	540, 998 734, 700 48, 716, 219
Ari	*All other industries embrace—	Cars g	ts, rag	anal sho	n con	struction	n.	Cotton s	mall wares.		$\begin{array}{c c} & 1 \\ & 2 \\ \end{array}$	Gas fix	tures			ng 1
B0: b	ting, leather	and com	repairs panies egisters (s by	steam	ı-railroa	d 1	Dyestuff Electrop	's and extra lating.	cts—natural. rasive wheels	$ 1 \\ 2$	Glass, o Gold, le	decalcon	aania v foil	vork	
Bri Bro Bri	ck, building 1 poms, from broom corn 1 1shes 2	Chemi	icals late and singand j	сосоа т	rodue	ts	3	Envelop Firearm	é8		3 1	and v House-	wool furnishi	ng goo	ds, m	ops and made in
Car	d cutting and designing	Clothi	ng, men s n goods	'S	•••••		. 3 . 1	Flour-m Fur good	ill and grist: 1s	mill products		Iron an steel	d steel, works o	forging r rollin	s, not g mills	made in 2
1	WORCESTER-All industries.	618	45,825	446	1,779	2,656	2,271	38,678	De 43,436	Jy 36,094	44,831	34,345	9,290	639	557	182,501,999
234	Automobile repairing. Bookbinding and blank-book making Boot and shoe cut stock.	5 4 3	54 68 57	3 5 3 8	3 1 5	3 1 2 47	3 2 3	42 59 44	Ap 46 Au 64 Oc 48	Ja 46 Mh 35	44 65 46	48 24 38	34 7	1 5 1	2	104,324 84,658 159,807 4,019,589
5 6	Boots and shoes, not including rub- ber boots and shoes. Brass and bronze products	11 4	1,492 31	2	57 6 20		63	1,317 23	No 1,602 Ap 51	Ja 841 My 10	1,570 22	680 22	7 804	46	40	
7 8 9	Bread and other bakery products Brushes Carriages and wagons, including re- nairs.	51 3 3	504 54 44	52 1	20 7 4	36 2 1	28 3 4	368 41 35	Oc 382 Au 44 My 42	Ap 359 Oc 38	392 43 33	$277 \\ 20 \\ 31$	87 18 1	7 5 1	21	$\begin{array}{c} 103,025\\746,824\\68,834\\112,967\end{array}$
10 11 12	Clothing, men's Men's and youths' All other	13 10 3 21	223 204 19	20 18 2	10 9 1	15 13 2	4 4	174 160 14	No 186 De 19	Ja 76 Ja 10	202 183 19	94 91 3	102 86	1	5 5	845,970 817,233 28,737 1,212,986
13 14 15	Clothing, women's. Suits, skirts, and cloaks. Shirt waists and dresses, except	21 4 8	651 57 260	2 35 12 13	19 1 6	32 17	20 3 8	545 41 216	Ap 62 Oc 241	Jy 17 Ja 141	588 42 209	87 20 30		1 1	17	1,212,986 221,559 335,662
16 17 18 19	house dresses. All other. Confectionery and ice cream	9 12	334 92	10 15	12 5	15 6	9 7	288 59	Je 346	Fe 211	337 57	31 40	302 14		13 4 2 2	655,765 186,581
19	Confectionery Ice cream ¹ Includes water wheels and turbines (i	8 9	17 75	11	5	6	7	13 46	Mh ³ 15 Jy 61		14	3 37	8	î .	2 	12,817 173,764

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

MANUFACTURES-MASSACHUSETTS.

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

		i na sua Prostana	EXPE	NSES.		1.12 - 14 A	tte sa	n an	·			PC	WER.		x	
Sala	ries and we	iges.		Rent an	d taxes.	Format	erials.	n Line Marine	а		Prim	ary hor	sepowe	er.		Elec-
Officials.∦	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Valuo added by manufac- ture.	Total.	gmes	Owne Steam tur- bines.	ed. Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er. ¹	Ront- ed. ²	tric horse- power gener- ated in estab- lish- ments report- ing.
	CITII	CS OF 50,0	000 INHA	BITANTS	OR MO	RE-ALL I	NDUSTR:	IES COMBI	NED AND	SPECIFI	ED INI	USTR	IES0	Continu	ied.	·
Dollars. 8,577,684	Dollars. 3, 290, 526	Dollars. 19, 796, 084	Dollars. 622, 536	Dollars. 487,267	Dollars. 3,713,795	Dollars. 45, 949, 502	Dollars. 1,853,678	Dollars. 98, 332, 955	Dollars. 50, 529, 775	31,624	6, 710	3,470	130	2,855	18, 459	4, 695
99, 981 28, 640 7, 550 165, 902 63, 909 2, 190 11, 200 59, 174 40, 254 9, 920 209, 612	49, 817 27, 943 2, 975 1, 600 936 133, 540 124, 583 124, 583 124, 583 133, 153 113, 263 113, 263 113, 263 13, 800 2, 864 366, 235	550, 420 131, 041 13, 786 36, 833 35, 980 905, 710 480, 505 35, 847 50, 213 5, 810 257, 307 214, 297 43, 010 57, 410 1, 674, 340	8,016 2,032 	$\begin{array}{c} 11, 932\\ 24, 898\\ 2, 256\\ 3, 228\\ 3, 208\\ 5, 340\\ 35, 437\\ 824\\ 4, 154\\ 4, 2, 040\\ 8, 160\\ 5, 524\\ 2, 045\\ 6, 188\\ 14, 068\\ 14, 068\\ \end{array}$	$\begin{array}{c} 19,257\\ 13,894\\ 214\\ 1,485\\ 369\\ 414,165\\ 19,023\\ 1,938\\ 2,800\\ 2,800\\ 2,800\\ 12,166\\ 4,754\\ 2,027\\ 144,068\\ 2,026$	$\begin{array}{c} 326,029\\ 125,488\\ 24,287\\ 21,449\\ 32,988\\ 1,241,069\\ 2,334,454\\ 31,618\\ 90,990\\ 117,826\\ 1,637,011\\ 1,270,176\\ 366,835\\ 101,807\\ 2,350,557\\ \end{array}$	$\begin{array}{c} 19,143\\ 7,962\\ 441\\ 580\\ 486\\ 52,370\\ 63,899\\ 1,936\\ 319\\ 304\\ 29,178\\ 18,736\\ 10,442\\ 1,128\\ 40,503\\ 302\\ 10,442\\ 303\\ 10,442\\ 1,28\\ 303\\ 10,442\\ 1,28\\ 303\\ 10,442\\ 1,28\\ 303\\ 10,442\\ 1,28\\ 303\\ 10,442\\ 1,28\\ 303\\ 10,442\\ 1,28\\ 303\\ 10,442\\ 1,28\\ 303\\ 10,442\\ 1,28\\ 303\\ 10,442\\ 1,28\\ 10,503\\ 303\\ 10,442\\ 1,28\\ 10,503\\ 10,442\\ 1,28\\ 10,503\\ 10,442\\ 1,28\\ 10,503\\ 10,442\\ 1,28\\ 10,503\\ 10,442\\ 10,503\\ 10,442\\ 10,503\\ 10,5$	$\begin{array}{c} 1,759,735\\418,710\\67,212\\80,071\\84,245\\3,467,771\\4,347,014\\92,008\\103,409\\142,613\\2,648,450\\2,162,570\\485,880\\223,830\\7,276,769\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\445,450\\2,162,570\\455,450\\2,162,570\\455,450\\2,162,570\\455,450\\2,162,570\\455,450\\2,162,570\\455,450\\2,162,570\\455,450\\2,162,570\\455,450\\2,162,570\\455,450\\2,162,570\\455,450\\2,162,570\\2,162,570\\455,450\\2,162,570\\2,100,570\\2,100,570\\2,100,570\\2,100,570\\2,100,570$	$\begin{array}{c} 1,414,563\\285,200\\42,484\\55,042\\50,771\\2,174,332\\1,448,601\\58,454\\102,100\\23,883\\982,201\\873,658\\108,603\\120,897\\4,885,709\\120,897\\4,895,709\\120,897\\4,895,709\\120,897\\4,895,709\\120,897\\4,895,709\\120,897\\4,895,709\\120,897\\4,895,709\\120,897\\4,895,709\\120,897\\4,895,709\\120,897\\4,895,709\\4,895,700\\4,895,70$	127 110 11 11 11 2,260 772 50 11 13 501 329 172 18 1,219	500 500 175 175				127 110 11 11 16 1,760 772 50 11 13 826 154 154 154 154 154 1,219	 249 249
1,200	850	541 28, 963		796 2,761	17 129	495 36,325	65 210	14,244 106,852	13,684 70,317		••••	• • • • • • •			1 1 25	
8,441 339,348 37,419 301,029 8,189 5,154	559 136, 230 13, 051 123, 179 6, 704 12, 830 3, 881	$10,000 \\1,938,288 \\278,384 \\1,659,904 \\29,762 \\24,095 \\19,793 \\$	9,237 9,237 960 74	2,945 22,351 1,125 21,226 3,077 2,630 441	214 291,704 12,837 278,867 978 533 1,266	58,938 1,660,491 269,760 1,390,731 34,025 118,951 74,580	1,009 72,361 23,941 48,420 1,040 239 798	79,288 6,628,191 687,267 5,940,924 97,335 187,312 120,246	19,281 4,895,339 393,566 4,501,773 62,270 68,122 44,868	$\begin{array}{c} 25\\ 2,134\\ 166\\ 1,968\\ 11\\ 7\\ 43\end{array}$	440 85 355		71		1,623 81 1,542 11 7 43	60 60
11,460	14,795 682	31,150 67,226		5,992 2,732	11,196 892	104,016 14,590	2,289 1,593	185,355 123,651	79,050 107,468	67 71					67 71	[
22,242 124,174	19,290 117,285	71,045 335,335	26, 361 488, 084	19,720 31,337	18,209 67,062	417, 426 656, 198	17,491 14,644	761, 341 2, 288, 133	326,424 1,617,291	403 445	400 225				220	79
59,217 64,957 146,438	39,075 78,210 312,886	331,735 3,600 508,028	12,806 475,188 15,357	25,235 6,102 49,568	15,603 51,459 25,559	535,963 120,235 774,433	14,359 285 65,298	1,234,981 1,053,152 2,297,506	684,659 932,632 1,457,775	444 1 1,200	225 775				219 1 425	79 414
97, 269 76, 239	118,430 72,971	195,488 413,131	21,001	900 40,000	23, 564 40, 893	676,301 1,191,825	18,235 17,146	1,349,950 2,354,496	055,414 1,145,525	275 402	175				275 227	75
6.189	ĺ	408, 993 368, 426 11, 105, 612	47,941	6,740 8,842 164,603	152, 509 61, 928 2, 265, 898	541, 476 220, 926 30, 432, 933	1,282 27,760 1,393,311	1,250,382 927,518 58,759,318	707, 624 678, 832 26, 933, 074	38 608 20,774	4,020	3,470	24 20 15	60 2,795	14 528 10,474	60 3,758
Knit good Lithograp Looking-gi Lumber, j includin with sav Machine t Motorcyclo Musical in	s. hing lass and pie planing mi g planing vmills. ools. s, bicycles istruments	ag sture frame Il products, mills conne , and parts and mate fied	2 3 5 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Optical go Paints Patent an Photograp Photo-eng Plumbers specified Pocketboo Regalia, a	d propriets phic maters raving. supplies l. oks	, organs ary medicine (als , not elsew badges and	1 1 2 1 4 here 2 1 em-	Saddlery and Sand-lime br Screws, macl Shipbuilding oars, and r Signs and ad Slaughtering Soap Sporting and Stamped wa fied	ick hine , wooden, m igging vertising no and meat p athletic goo	asts, spa veltics. acking ds. vhere spe	1 2 rs, 1 2 2 2 2 cl-	wate: Stereot Structu steel Toys ar Type fo Waste. Wirewo Woode:	r heath yping a mal ind works and gam bundin ork, no n good	ng appe and ele onwork or rollin les g t elsew s, not (ratus strotypi , not r ng mills here spe	nd hot- ng nade in ceified re speci-
<u> </u>	5,760,705	44, 439, 967	490, 776	- autoriana		101, 205, 207		208, 705, 773	-/	94, 712	37,080	4, 592		:/ 	52, 184 40	18,061
5,440 1,780 30,817 220,225	5, 344 3, 572 4, 522 224, 394	45,099 39,342 35,814 1,174,550		2,424 5,866 2,506 32,319	8, 244 730 1, 111 113, 899	53, 693 17, 789 319, 865 4, 315, 455	4,783 426 840 25,581	156,033 95,978 430,572 7,396,821	97, 557 77, 763 109, 867 3, 055, 785	40 37 16 603	110	1			37 16	
10, 900 68, 269 18, 440 9, 877		38, 201 385, 801 30, 061 45, 530	2,500	24,855	1, 145 30, 839 1, 237 2, 700	113, 464 1, 872, 261 76, 326 83, 606	7, 345 48, 049 680 1, 819	191, 799 2, 865, 707 148, 722 171, 118	70, 990 945, 397 71, 710 85, 693	25 388 17 66	125				. 17	
26, 091 24, 696 1, 395 59, 714 3, 840 20, 452	31, 274 29, 258	187.748	47, 963 47, 963 7, 236 6, 036	6,907 5,275 1,632 30,236 2,597	6, 505 6, 239 206 8, 584	712, 787 657, 560 55, 227	4, 311 4, 106 205 10, 158 2, 410	1,238,117 1,159,142 78,975	521, 019 497, 476 23, 543 1, 008, 028 127, 544 423, 142	92 87 5 224 12 28			- - - - - -	• • • • • • •	. 32 5 . 74 . 12 . 28	
35, 422 9, 715 9, 715	43, 344 19, 100	191, 026 66, 980 8, 885 58, 095		20,611	5,912 1,066 98	811, 622 438, 596 24, 630	5, 794 5, 800 780	1, 274, 758 695, 346 50, 376	457, 342 250, 950 24, 966 225, 984	184 132 1 131	150				. 132	

⁸ Same number reported for one or more other months.

 γ_{i}

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

an **B**arris

-		1 1								<u>.</u>	11					Contries
	da se se				PERS	ONS ENG	AGED I	N THE D	NDUSTRY.		WA NEAR	GE EARI EST REP	NERS DI RESENT	EC. 15, C ATIVE D	OR AY,	
	an a				Sala-	Clerk	s, etc.	, Verala	Wage carn	ers.	-	16 and	l over.	Unde	r 16.	1
	INDUSTRY AND CITY.	Num- ber of estab- lish- ments	Total.	Pro- prie- tors and firm mem- bers.	ried offi- cers, super- in- tend- ents, and man- agers.	Male.	Fe- male.	Aver- age num- ber.	Number, 1 Maximum month.	5th day of— MinImum month.	Total.	Male.	Fe- male.	Male.	Fo- male.	Capital,
•	CITIES OF 50,000 INHA	BITAN	TS OR	MOR	EAL	L IND	 USTRI	ES COM	I IBINED AN	D SPECIF	IED INI	USTRI	tÉS—Co	mtinue	1.	
$\begin{array}{c} - & 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 9 \\ 1 \\ 11 \\ 12 \\ 13 \\ 14 \\ 15 \\ 6 \\ 17 \\ 19 \\ 20 \\ 21 \\ 22 \\ 22 \\ 22 \\ 22 \\ 22 \\ 22$	WORCESTER-Continued. Copper, tin, and sheet-iron work Corsts	$\begin{array}{c} 8\\ 8\\ 7\\ 5\\ 3\\ 6\\ 3\\ 10\\ 8\\ 8\\ 7\\ 3\\ 7\\ 3\\ 7\\ 3\\ 7\\ 8\\ 4\\ 4\\ 8\\ 38\\ 10\\ 4\\ 3\\ 8\\ 10\\ 4\\ 8\\ 15\\ 8\\ 7\\ 7\\ 4\\ 5\\ 33\\ 19\\ 3\\ 7\\ 9\\ 4\\ 6\\ 9\\ 6\\ 20\\ 9\\ 17\\ 7\\ 10\\ 6\\ 5\\ 4\\ 8\end{array}$	$\begin{array}{c} 65\\ 1,387\\ 557\\ 72\\ 538\\ 220\\ 770\\ 146\\ 6\\ 1,420\\ 8\\ 13\\ 6\\ 7\\ 3,245\\ 600\\ 47\\ 11\\ 50\\ 79\\ 199\\ 2,555\\ 6000\\ 47\\ 11\\ 50\\ 79\\ 109\\ 2,555\\ 6000\\ 47\\ 11\\ 50\\ 79\\ 109\\ 2,555\\ 600\\ 47\\ 11\\ 10\\ 79\\ 2,555\\ 600\\ 47\\ 11\\ 10\\ 8\\ 40\\ 302\\ 450\\ 251\\ 3,669\\ 77\\ 711\\ 174\\ 537\\ 679\\ 61\\ 3\\ 776\\ 776\\ 576\\ 576\\ 576\\ 576\\ 776\\ 576\\ 5$	7 22 1 5 4 3 4 7 7 3 4 5 5 5 9 9 8 11 3 7 5 9 9 8 8 11 37 5 5 3 3 3 3 10 10 11 1 4 7 7 5 5 5 5 5 5 7 9 9 8 8 11 1 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 5 23 33 5 14 6 26 17 33 14 6 23 3 155 118 37 6 2 2 3 8 4 5 109 9 109 155 155 188 37 6 109 109 109 109 109 109 109 109	1 77 24 21 3 17 6 40 1 1 22 107 15 122 107 15 175 2 46 8 8 8 175 2 46 8 101 81 81 81 81 81 81 81 81 81 81 81 81 81	$\begin{array}{c} 6\\ 59\\ 14\\ 17\\ 4\\ 37\\ 4\\ 74\\ 1\\ 1\\ 15\\ 152\\ 1\\ 5\\ 152\\ 1\\ 5\\ 152\\ 1\\ 2\\ 2\\ 2\\ 7\\ 16\\ 17\\ 51\\ 35\\ 13\\ 3\\ 1\\ 15\\ 14\\ 7\\ 286\\ 1\\ 1\\ 7\\ 446\\ 2\\ 1\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	46 1,228 484 200 685 115 31,207 2 6 3 3,2772 2,156 36 36 36 36 36 36 36 36 36 36 37 2,772 2,156 616 36 36 36 36 37 2,772 2,156 31,207 2,156 31,707 2,156 31,707 2,156 31,707 2,156 31,707 2,156 31,707 2,156 31,707 2,156 31,707 2,156 31,707 2,156 31,707 2,156 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,157 31,707 2,1777 2,177 2,177 2,1777 2,1777 2,177	My 51 Oc 1,305 Ja 649 Oc 277 Jy 521 Oc 214 De 933 No 152 (1) 3 (4) 3 (4) 3 De 2,377 De 2,377 My 23 Je 14 Oc 44 De 933 No 209 Oc 406 De 77 De 777 De 7777 DE 7777 DE 777777777777777777777777777777777777	No 42 My 1,155 Ap 322 Ja 63 No 439 Ja 195 Ja 401 Fo 77 (4) 3 (4) 3 Ja 2,046 Je 353 Ja 5 Ja 5 Ja 5 Ja 5 Ja 5 Ja 28 Au 2,046 Je 353 Ja 5 Ja 5 Ja 28 Au 104 Ja 20 My 8 175 No 18 Oc 151 Ja 377 Au 65 No 18 Oc 151 Ja 36 Ap 169 Ny 114 My 365 Jy 608 He 48 He 353 He 48 He 48 He 48 He 353 He 48 He 353 He 48 He 353 He 48 He 353 He 353	48 1,286 591 777 400 210 933 125 4 1,397 2 6 3 3 3,235 2,378 39 13 44 49 197 2,766 18 28 61 139 834 200 470 402 777 21 320 405 200 3,181 102 65 202 217 21 320 405 200 3,181 102 65 202 217 21 320 405 200 3,181 102 65 200 3,181 102 65 200 210 102 200 200 200 200 200 200 200	$\begin{array}{c} 48\\ 145\\ 155\\ 10\\ 308\\ 175\\ 567\\ 119\\ 3\\ 439\\ 1\\ 6\\ 3\\ 3\\ 8,119\\ 2,200\\ 533\\ 7\\ 7\\ 28\\ 30\\ 7\\ 7\\ 28\\ 30\\ 7\\ 7\\ 28\\ 30\\ 7\\ 7\\ 28\\ 30\\ 7\\ 7\\ 28\\ 30\\ 7\\ 7\\ 28\\ 30\\ 7\\ 7\\ 28\\ 30\\ 7\\ 157\\ 157\\ 157\\ 157\\ 157\\ 157\\ 157\\ $	1,033 418 45 74 35 341 3 951 1 1 78 78 78 78 78 78 78 78 78 78 78 78 78	7 13 23 3 1 2 30 32 4 8 2 10 5 4 8 2 12 17 15 16 9 7 18 14 32 17 16 9 7 18 14 32 17 16 9 7 18 14 32 17 10 25 3	101 18 22 3 3 3 3 3 113 113 113 101	Dollars, 174,679 3,229,845 4,001,454 147,424 670,583 1,404,805 150,860 5,000 3,945,201 10,300 18,020 5,080 13,540 10,305 11,820,248 10,013,252 1,815,906 11,820,248 10,013,252 1,815,906 52,004 152,004 452,004 152,005 76,504 44,347 1,281,510 355,500 1,414,774 1,187,715 226,509 1,460 1144,789 1,043,707 1,127,217 843,109 12,240,644 90,377 1,726,606 376,533 1,348,073 1,340,370 1,272,606 24,807 3,351,340 33,310,971
48 Ag Ali An	Worsted goods	Boxes Boxes Boxes box Carpe Carris Cars and com Cars and pan Clean Clean Cloth Coffee	21,027 s, cigar s, paper c s, wooder es ts and rc ge and wand gene repairs repairs i les sing prep s, spongin s, roasting	81 eartons. h packings, oth agon n bral sho by eral sho by stean baration g and r g and g	ng, exc er than nateria op con electric op con m-railr offnish rindin	Bept cign n ragls structio c-railroa structio coad com ingg	. 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1	17,784 Coffins, goods Combs (metal Dental) Dental Dental Emery (Ename) Engrav includ Fancy a Files Firearm Flour-m	burial cases, e and hairpins, or rubber. Sods	nd undertak not made fr ons. rasive wheels and water. d copper pl nting. r novelties. mill products en's.	ers' 1 1 1 1 1 2 3 3 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1	Gas and Gas, illi Glass, mont Hardwa House-f duste Ice, ma Iron an mills. Iron an and ri Iron an steel	l water uminati cutting ing are urniship rs nufactu d stool, vets, na d stool, vets, na d stool, vots, so	meters. ng and , stainin ng good red steel wo , bolts, , t mado forging, r rolling	es heatin ng, an is, m rks an nuts, in roll s, not	106,464,405 106,464,405 1 1 1 1 1 1 1 1 1 1 1 1 1

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

MANUFACTURES-MASSACHUSETTS.

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

		Record of the f Professional Services	EXPE	NSES.			al a	iter i				PC	WER.				
	aries and w	ages.	as the	Rent and	l taxes.	For mat	erials.	49 - F			Pri	mary h	orsepow	er.		Elec-	
			ander en an			an an t-		Value of products.	Value added by manufac-			Ow	ned.			tric horse- power	
Officials.	Clerks, etc.	Wage a carmers.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	products.	ture.	Total.	Steam en- gines (not tur- bines).	Steam tur- bines.	bus-	Wa- ter pow- er.1	Rent- ed. ²	gener- ated in estab- lish- ments report- ing.	
	CITII	ES OF 50,0	000 INHA	BITANTS	OR MO	RE-ALL I	NDUSTR	ES COMBI	NED AND	SPECIF	ED IN	DUSTI	RIES-	Continu	ed.		<u> </u>
Dollars. 26,476 151,806 225,899 18,850 75,476 58,100	Dollars. 14,812 297,138 95,330 40,019 9,890	Dollars. 55,670 843,013 434,249 37,444 488,553 158,372	Dollars. 30, 680 500 1, 875	Dollars. 3, 998 13, 885 21, 526 2, 065 3, 600 20, 000	Dollars. 4, 289 124, 571 456, 654 3, 335 33, 463 27, 035	Dollars. 97, 798 2, 377, 849 3, 789, 125 154, 806 233, 595 500, 667	Dollars. 464 10, 364 29, 719 2 847 21, 946 29, 218	Dollars. 245, 626 5, 235, 051 5, 864, 459 262, 049 1, 132, 666 1, 016, 184	Dollars. 147, 364 2, 846, 838 2, 045, 615 104, 396 877, 155 486, 299	16 624 1,200 40 459 310	520 525 200 270	100	. 4		12 104 575 40 259 40 3 72	420	1 2 3 4 5 6
82, 446 48, 048 141, 409	73, 513 10, 799 145, 861 1, 526	675, 512 117, 419 4, 941 1, 116, 969 700 6, 586		28, 503 8, 616 950 11, 825 105 2, 204	54, 029 2, 283 9 148, 313 54 111	1,763,892 42,415 50 3,745,839 12,612 41,803	16,097 7,787 25 25,689 45 2,460	3, 110, 670 305, 466 12, 336 6, 469, 355 21, 760 53, 769	1, 330, 681 255, 264 12, 261 2, 697, 827 9, 103 9, 506	402 214 2 807 44	30 		· · · · · · · · · · · · · · · · · · ·		214 2 222 80	737	8 9 10 11 12
		3,540		. 780 1,424	111	20, 501	484 1, 976	22,147 81 622	1,162 8,344	25 19	14				11 19		. 13 . 14
786, 256 648, 120 138, 136 9, 310	363,409 330,312 33,097 2,155	3,046 3,488,796 2,654,452 834,344 39,840 6,455	56,659 56,659 3,285	. 1,424 51,134 42,324 . 8,810 7,471 . 1,017	518, 889 469, 402 49, 487 513 82	$\begin{array}{r} 21,302\\ 5,582,037\\ 4,812,902\\ 769,135\\ 73,437\\ 24,930\end{array}$	261, 309 190, 805 70, 504 1, 180 240	$\begin{array}{c c} & 31,622 \\ 13,554,481 \\ 11,251,223 \\ 2,303,258 \\ 145,878 \\ 46,470 \end{array}$	8,344 7,711,135 6,247,516 1,463,619 71,261 21,300	6,335 5,288 1,047 70 5	928 853 75				5,407 4,435 972 70 5	1,529 1,494 35	- 14 15 16 17 . 18 . 19
4, 898 9, 155 16, 339	3,773 10,692 23,502	33, 378 41, 006 221, 510	300	2,506 2,621 14,552	519 694 14, 054	25, 169 88, 251	1, 504 1, 401 7, 617	103,785 166,141 819,024	77, 112 76, 489 438, 746	80 57 1, 117	15 975				30 42 142		20 21 22
357, 834 11, 085 5, 200	1.000	2, 855, 419 22, 863 26, 765 70, 315	31,038 379	75, 740 562 4, 352 4, 671	238, 641 711 1, 769 703	3, 107, 998 30, 053 46, 460 18, 367	125,979 1,491 1,827 1,193	9, 595, 959 119, 914 117, 488 133, 583	6, 361, 982 79, 370 69, 201 114, 023	4, 273 54 93 65	1,170 35			1	3, 103 36 57 65		22
17,057 65,558	13, 994 19, 796	154, 484 785, 500		10, 281 30, 849	1, 885 9, 413	465, 051 995, 108	9, 433 19, 282	778,782 2,259,862	304, 298 1, 245, 472	191 535	375			.	191 160	143	2
53, 150		182,765	1.1.1.1.1.1.1	1 A A	11, 564 40, 660	1 · · · · · · · · · · · · · · · · · · ·	4, 969 26, 254	808, 201 2, 132, 957	486,002 1,575,015	160 453		• • • • • • • • •			160 453		. 3
112, 185 67, 692 44, 405	t de la Composition de la Comp	553, 238 470, 549		9,910	29, 931 10, 729	422,761	23, 429	1,720,609 387,139	1, 274, 419 275, 402	859 94					359 94		- 31
88	1,076	82,689	. 17,273		4, 405	15		25, 209 458, 434	25, 194 87, 630		20				61		- 3
7,032 46,537 140,887 51,542	15,424	30,770 316,053 475,115 274,446		6,505 17,324	1 ·	425, 510 580, 750 580, 050	27, 352 23, 169 11, 501	039,220 1,511,691 1,142,349	486, 358 907, 772 550, 798		175 20				564 392 531		- 3
443,088 1,944 189,944 66,322 123,621 96,837 6,500 228,003 90,055	3 564,459 5 122,501 3 8,809 113,092 7 131,468 3,488	- 71,088 680,907 181,801 499,100 481,227 46,704 18,741 775,037	162 158 199 199 199 199 199 199 199 199 199 19	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	989,958 20,836 126,389 21,322 105,067 51,159 743 149 164,774	29,536	144, 756 452 80, 898 5, 890 75, 008 17, 232 2, 936 1, 282 75, 742 64, 336 3, 802, 135		$\begin{array}{c} 8,636,183\\ 120,523\\ 1,866,511\\ 433,925\\ 1,432,586\\ 1,191,447\\ 76,953\\ 30,167\\ 2,351,982\\ 1,673,593\\ 48,796,380\end{array}$	4,230 6 1,269 265 1,004 468 111 36 2,324 1,483 63,826	1,975 50 125 75 225 64 28,269			20 20 20	2,249 6 1,199 265 984 843 86 24 2,099 1,419 30 270	85 	

Rubber tires, tubes, and rubber goods, not elsewhere specified.... Saddlery and harness Saws... Screws, wood... Shirts... Show cases.... Signs, other than electric... Silaughtering and meet packing... Sporting and athletic goods... Stationery goods, not elsewhere speci-fied... Iron and steel, nails and spikes, not made insteel works or rolling mills. Iron and steel, tompering and weld-ing...... Japanning Jewelry and instrument cases...... Kuit goods Musical instruments and materials, Musical instruments and materials, not elsewhere specified. Musical instruments, planes...... Needles, pins, and hooks and eyes. Oil, composite. Ordnance and accessories. Patent medicines and compounds... Partner metarials 1 1 2112311 Knit goods. Lasts. Lead, bar, pipe, and sheet. Leather, tanned, curried, and fin-ished. Liquors, matt. Liduors, matt. Lithographing. Looking-glass and picture frames. Matches. Mattresses and spring beds, not else-where specified. Knit goods..... 32 Paring materials. Perfumery and cosmetics. Photo-engraving Photographic materials Picklos and sauces. Decision top 1 1 3 $\begin{array}{c}
 1 \\
 2 \\
 1 \\
 1 \\
 1 \\
 1
 \end{array}$ Statuary and art goods..... Statuary and art goods.... Steam fittings and steam and hot-wator heating apparatus.... Steam packing.... $\frac{1}{2}$ Refrigerators. Regalia, and society badges and em-blems. 1 2 4 Same number reported throughout the year.

Stencils and brands. Stereotyping and electrotyping..... Surgical appliances. Suspenders, garters, and elastie woven goods. Tobacco, smoking. Trunks and valiases. Trunks and valiases. Umbrellas and cances. Vinegar and eider. Wall paper, not made in paper mills. Window and door screens. Window shades and fixtures. Wios shoddy. Wire.... Wool shoddy....

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^a Same number reported for one or more other months.

MANUFACTURES-MASSACHUSETTS.

TABLE 40.-DETAILED STATEMENT OF ALL INDUSTRIES

					PERSC	NS ENG	AGED I	N THE IN	idustry.		WAG NEARE	E EARN ST REPI	ERS DE RESENT.	C. 15, 6 ATIVE 1	OR DAY.	
					Sala-	Clerk	s, etc.		Wage earne	ers.		16 and	l over.	Und	er 16.	
	INDUSTRY AND CITY.	Num- ber of estab-		Pro- prie-	ried offi- cers,	4			Number, 18	5th day of—						Capital.
		lısh- ments	Total.	mem- bers.	super- in- tend- ents, and man- agers.	Male.	Fe- male.	Aver- ago num- bor.	Maximum month.	Minimum month.	Total.	Male.	Fe- male.	Male.	F0- male.	
		CITIE	S OF 10,	,000 TC	50,00	0 INH	АВІТА	NTS—A	LL INDUS	TRIES CON	AB INEI).			· · ·	
1 2 3 4 5	Adams Amesbury. Arlington. Attleboro. Belmont	32 44 27 144 6	4, 114 3, 457 294 7, 748 108	28 38 20 160 4	43 97 24 300 4	81 40 7 235 3	88 109 15 290 4	3,974 3,173 228 6,763 93	De 4,185 De 3,565 De 240 De 7,719 De 106	Au 3,524 Ap 2,710 Ja 208 Ja 5,842 Fe 52	4,199 3,083 262 7,589 106	2,558 3,154 230 5,434 92	1,448 402 24 1,843 13	105 27 2 166 1	88 10 146	Dollars. 11,268,709 8,747,338 1.502,207 22,632,192 200,282
6 7 8 9	BEVERLY BRAINTREE. BROOKLINE. CHELSEA CHICOPEE.	70	7,624 2,392 593 7,870 12,665	63 10 24 107 37	359 32 37 342 405	364 71 15 466 1,420	343 103 33 375 735	6,495 2,176 484 6,580 10,068	De 7,766 De 2.386 Ja 822 Au 6,919 De 11,043	Mh 5,615 Ap 2,017 Je 360 My 6,240 Je 9,634	7,770 2,386 404 6,945 12,126	6,470 1,505 267 4,906 9,424	1,195 697 197 1,775 2,384	75 112 6 128 154	30 72 24 136 164	$\begin{array}{c} 18,064,021\\ 6,601,205\\ 1,514,915\\ 25,618,973\\ 69,411,199 \end{array}$
11 12 13 14 15	CLINTON DANVERS DEDHAM EASTHAMPTON EVERETT	33	4, 394 1, 653 524 4, 299 5, 437	28 15 17 20 58	63 62 26 48 304	68 42 8 49 301	80 60 10 40 251	4,155 1,474 463 4,142 4,523	De 4,441 Fe 1,515 Au 542 De 4,359 De 4,961	Fe 3,847 My 1,430 Ja 372 Ja 3,918 My 4,147	4,439 1,527 535 4,380 4,959	2,499 1,003 304 2,550 4,154	1,597 450 185 1,600 658	169 28 22 123 85	174 40 24 101 62	$\begin{array}{c} 15,916,555\\ 6,035,247\\ 1,278,193\\ 18,489,006\\ 65,718,095 \end{array}$
16 17 18 19 20	FITCHBURG FRAMINGHAM GARDNER. GLOUCESTR. GREENFIELD.	121	10, 948 5, 191 4, 525 3, 042 3, 337	82 43 48 61 38	341 204 182 107 107	807 189 140 73 204	311 393 119 117 238	9,907 4,362 4,036 2,684 2,750	De 10,534 De 5,557 De 4,723 De 3,023 De 3,125	My 9,409 Ja 3,549 Ap 3,638 Ap 2,531 Jy 2,569	10,563 5,557 4,728 2,986 3,165	7,060 8,560 3,657 2,163 2,620	3,045 1,867 851 766 510	223 61 149 18 23	235 69 71 39 12	$\begin{array}{c} 51,829,392\\ 13,908,197\\ 20,063,851\\ 11,635,710\\ 13,932,977 \end{array}$
21 22 23 24 25	LEOMINSTER. MALDEN. MARLBOROUGH. MEDFORD. MEDRORD.	92 108 48 54 27	6,343 5,689 4,116 1,259 1,938	64 94 40 34 19	220 260 89 92 42	107 341 56 51 180	159 271 133 51 91	5,793 4,723 3,708 1,031 1,606	De 6,480 De 5,169 De 4,037 De 1,260 Ja 1,787	Ja 5,307 Je 4,338 Ap 3,466 Ja 922 Jy 1,459	6,533 5,154 4,054 1,260 1,720	4,084 2,909 2,553 827 765	2,232 2,066 1,844 391 905	129 65 90 14 12	88 114 67 25 44	$13,515,034 \\ 24,069,731 \\ 7,972,139 \\ 4,771,891 \\ 7,062,576$
26 27 28 29 3 0	M ELROSE METORD NATICE NEWBURYPOET NEWBURYPOET NEWTON	49 64	2,687 2,006 1,686 4,410 2,866	27 48 56 50 31	41 71 67 138 65	16 30 58 118 108	82 42 42 144 115	2,571 1,809 1,463 3,960 2,547	De 2,830 De 2,132 De 1,690 Ap 4,044 De 2,777	Fe 2,149 My 1,671 Ja 1,106 Au 3,842 Mh 2,319	2,696 2,135 1,779 4,825 2,769	999 1,305 1,343 2,652 1,842	1,472 654 420 1,561 857	111 49 12 46 41	114 87 4 66 29	$\begin{array}{c} 13, 135, 692 \\ 3, 897, 836 \\ 6, 712, 228 \\ 13, 554, 071 \\ 10, 456, 233 \end{array}$
31 32 33 34 35	North Adams Northampton Northbridge Norwood. Peabody	91	6,630 3,870 4,033 3,286 8,676	53 44 13 19 67	$ 184 \\ 104 \\ 45 \\ 140 \\ 280 $	181 85 71 139 146	189 105 33 153 170	6,023 3,532 3,871 2,835 8,013	De 6,499 De 3,797 De 4,259 De 3,159 De 8,801	My 5,451 Ja 3,274 Mh 3,003 Ja 2,512 Ja 7,303	6,459 3,803 4,203 3,142 8,781	4,217 2,330 3,519 2,441 7,853	1,902 1,340 678 652 852	141 123 97 32 54	109 94 69 17 22	25,331,703 13,939,947 14,535,992 13,620,106 32,786,949
36 37 38 39 40	PTTTSFIELD. PLYMOUTH. QUINCY. REVERE. SALEM.	$ \begin{array}{c} 31 \\ 162 \\ 31 \end{array} $	$\begin{array}{c} 10,733\\ 3,232\\ 21,276\\ 181\\ 6,352 \end{array}$	76 18 188 432 124	470 72 257 12 269	868 82 743 5 99	749 89 435 6 188	8,570 2,971 19,653 126 5,072	De 10,258 De 3,225 Mh 22,979 De 161 De 6,523	Ja 6,756 Ja 2,515 De 12,666 Ap 89 My 4,894	$ \begin{array}{c} 10,313\\ 3,225\\ 12,677\\ 167\\ 6,530 \end{array} $	7,471 2,440 12,087 143 3,956	2,622 751 571 23 2,343	77 18 8 1 114	143 10 11 117	35,847,896 28,525,538 30,406,341 815,301 21,198,391
41 42 43 44 45	Saugus Southeridge. Taunton Wakefield. Waltham.	. 167	150 6,034 9,946 2,034 8,669	14 33 114 19 75	5 240 316 70 228	1 197 282 31 104	$\begin{array}{c} 4\\ 235\\ 253\\ 45\\ 193\end{array}$	126 5,329 8,981 1,869 8,069	No 193 De 5,675 No 9,385 De 2,126 De 8,909	Ap 66 Mh 4,935 Mh 8,521 Ap 1,666 Mh 7,430	166 5,670 9,715 2,102 8,907	152 3,221 6,808 1,313 5,716	9 2,183 2,540 753 3,076	8 150 194 16 76	2 122 173 20 30	$\begin{array}{r} 654,325\\ 15,700,252\\ 31,640,631\\ 7,640,582\\ 20,388,296\end{array}$
46 47 48 49	WATERTOWN. WEBSTER. WESTFIELD. WEST SPRINGFIELD.	. 24 . 85 . 23	9,926 4 149 3,890 8,358	16 15 77 17	270 61 147 116	581 117 253 292	639 107 170 142	8,420 3,849 3,243 2,791	De 9,439 Oc 4,345 De 3,701 De 3,171	Je 7,720 Mh 3,286 Je 2,913 Fe 2,426	9,489 4,128 3,709 3,174	5,962 2,653 2,878 2,825	3,299 1,112 727 841	117 189 48 5	61 174 56 8	24, 428, 115 13, 548, 824 12, 449, 307 9, 073, 174
50 51 52 53	WEYMOUTH WINCHESTER. WINTHROP WOBURN.	17	2,462 1,233 91 2,264	22 9 19 36	86 65 7 91	92 16 1 77	116 31 39 49	2,146 1,112 61 2,011	Au 2,298 De 1,198 Au ⁸ 64 De 2,323	Ja 1,977 Fe 1,009 Ja ³ 59 Ap 1,688	2,333 1,236 64 2,341	1,531 1,006 81 2,005	673 135 33 311	70 5 16		13,624,739 4,327,380 164,057 10,170,398

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

MANUFACTURES—MASSACHUSETTS.

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPE	vses.							,	PO	WER.				
Sala	ries and wa	iges.		Rent and	l taxes.	For mat	erials.				Prim	ary hor	sepow	er.		Elec-	
	[Value of products.	Value added by manufac-			Owne	ed.			tric horse- power gener-	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.		ture.	Total.	Steam en- gines (not tur- bines).	Steam tur- bines.	Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er. ¹	Rent- ed. ²	ated in estab- lish- ments report- ing.	
			c	ITIES OF	· 10,000 T	O 50,000 IN	HABITAN	ITS-ALL I	NDUSTRII	ES COME	INED.						
Dollars. 225, 262 443, 364 43, 204 990, 729 9, 267	Dollars. 85,029 160,243 22,443 788,490 5,949	Dollars. 3, 524, 404 3, 847, 306 237, 535 7, 202, 751 101, 742	Dollars. 49 2,402 332 212,409 1,784	Dollars. 1, 989 40, 840 10, 232 183, 193 14, 292	Dollars. 551, 619 270, 082 25, 644 686, 268 3, 901	Dollars. 7, 601, 918 9, 196, 167 316, 955 18, 187, 672 164, 526	Dollars. 537, 596 220, 801 105, 665 382, 008 43, 672	Dollars. 15,076,858 16,309,509 1,006,207 34,471,577 374,586	Dollars. 6, 937, 344 6, 892, 541 583, 587 15, 901, 897 166, 388	14, 120 4, 003 849 7, 789 102	9,634 510 405 3,286 150	234 100	35 55	1, 150 132 587	3, 336 3, 259 177 3, 861 12	287 584 530	122345
866, 181 139, 903 101, 245 1, 175, 106 1, 282, 777	650, 929 206, 168 36, 262 1, 089, 650 3, 376, 175	8, 419, 302 2, 370, 715 484, 458 0, 924, 440 12, 592, 063	127, 962 279 28, 040 302, 716 2, 132	82,069 18,590 45,101 91,428 14,597	252, 964 149, 410 30, 658 1, 049, 353 2, 443, 943	8, 451, 574 7, 006, 523 1, 017, 797 16, 160, 122 45, 588, 182	286, 814 142, 802 24, 155 543, 062 870, 189	21, 829, 684 11, 974, 839 2, 243, 311 32, 536, 518 89, 772, 534	$\begin{array}{c} 13,091,296\\ 4,825,514\\ 1,201,359\\ 15,833,334\\ 43,314,163\end{array}$	30, 523	704 2, 393 4, 145 4, 372	3, 358 77 1, 900 2, 435	10 380 49	507 3,407	1,128 212 193 7,372 20,260	3, 044 125 2, 401 5, 546	
339, 172 280, 423 106, 627 401, 272 1, 084, 902	302, 180 128, 170 16, 827 152, 301 754, 922	4, 088, 169 1, 583, 406 418, 921 3, 979, 183 4, 635, 071		11, 857 8, 099 3, 065 3, 226 80, 249	676, 156 562, 066 18, 991 1, 895, 168 1, 599, 957	7, 753, 714 7, 506, 074 746, 337 26, 698, 455 13, 363, 997	516, 330 161, 713 67, 431	15, 179, 819 11, 541, 839 1, 737, 673 37, 942, 121 35, 775, 728	$\begin{smallmatrix} 6, 909, 775\\ 3, 874, 052\\ 923, 905\\ 10, 898, 213\\ 16, 716, 647 \end{smallmatrix}$	$\begin{array}{c} 13,921\\ 3,306\\ 2,033\\ 19,571\\ 17,409 \end{array}$	8,065 2,718 675 795 10,891	700 2, 947	25 4 133		5,751 488 308 15,665 4,494	4, 365 1, 812 460 75 3, 773	11111
1,405,965 080,751 634,736 481,813 325,952	712, 317 420, 407 299, 728 183, 337 439, 604	10, 520, 346 4, 137, 769 3, 935, 862 2, 614, 243 3, 110, 387		71, 242	2, 033, 283 455, 458 576, 108 272, 026 414, 962	$\begin{array}{c} 34,363,471\\10,016,850\\4,944,340\\12,441,876\\2,620,327\end{array}$	1,691,442 332,961	58, 164, 842 18, 842, 173 13, 599, 682 18, 803, 673 9, 481, 382	$\begin{array}{c} 22, 109, 929\\ 8, 492, 362\\ 8, 413, 483\\ 6, 094, 623\\ 6, 641, 333\end{array}$	2,943		134 33 70 50	50 128	. 3,864 500 . 444 . 120	2,418 1,763 4,539	1	
868,078 693,916 258,402 356,421 185,083	339,482	5, 518, 716 4, 276, 476 4, 033, 567 981, 262 1, 326, 981	45, 111 5, 923 349 9, 100	25, 879 54, 191 11, 690 27, 066 16, 106	$\substack{697,402\\1,145,192\\158,243\\267,077\\132,146}$	13, 489, 006 8, 855, 191 13, 061, 734 3, 098, 710 3, 019, 219	354,608 789,784 93,504 90,346 57,618		12, 432, 649 5, 889, 669 2, 476, 661 3, 006, 861	1,767 2,139 1,777	1,025 1,340	; ; ; ;	15		3,286 3,047 902 1,106 437	282 69	
$148,952 \\ 242,431 \\ 159,254 \\ 503,866 \\ 349,021$	1 107.719	$\begin{array}{c} 2,405,128\\ 1,819,133\\ 1,382,200\\ 3,011,411\\ 2,012,738\end{array}$	8, 123 18, 219 12, 750 14, 170 79, 752	3, 392 12, 569 24, 911 24, 201 21, 809	717, 696 193, 003 43, 511 271, 971 334, 946	8, 737, 043 4, 748, 457 4, 875, 149 12, 411, 379 8, 258, 410	2 268,232 3 170,053			2,178 6,417 8 5,536	0,001	138 3 7 560) 22 152	25 250 595	1,276 799 - 4,837 632	2,582	
812, 237 420, 423 353, 351 488, 060 1, 012, 547	499, 428 217, 439 171, 900 452, 966	5, 630, 773 3, 305, 685 4, 398, 961 3, 276, 834	80, 439 173, 827 25	3,270	$\substack{\substack{1,831,849\\1,264,578\\021,732\\527,333\\1,089,524}}$	5,649,620	3 337, 522	02,000,122		$\begin{array}{c ccccc} 0 & 6,687 \\ 3 & 7,418 \\ 7 & 5,510 \\ 4 & 19,134 \\ \end{array}$	5,467 2,305 8,551	500	30	1,609 1,376	5,754	1,074 627 1,772 9,126	
1,051,572348,8301,389,37530,819810,147	250, 510 1, 586, 004 14, 170	34, 830, 108	140,708	49, 691 6, 807 24, 156 12, 406 121, 788	8,020	21, 157, 90 23, 127, 02 403, 14 16, 298, 91	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	31, 319, 553 68, 535, 406 767, 294 30, 437, 957	10,010,10	13,504	3,600 450 2,330	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{bmatrix} 14 \\ 543 \\ 10 \end{bmatrix} $	155	. 14, 857 178 . 10, 858	972 5 201	
$13,600\\838,098\\1,231,117\\282,857\\806,350$	2.910	1,921,06	177,033 1 19,653	2,224 5,492 122,118 11,160 37,572	23,667268,4221,421,175123,564777,314	$\begin{array}{c c} 7, 148, 67\\ 26, 603, 31\\ 5, 464, 26\\ 6, 402, 31\end{array}$		48, 550, 686 8, 977, 010 20, 878, 514		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	771 15,639 1,14 5,54	5 5,52 9 1,863 5 13 0 2,020	5 3) 2	3 936	6,893 260 1,854	3,700 3,618 713 5,040	
803, 394 337, 862 433, 001 375, 090		9,028,70 3,921,33 3,115,31	104,49 12,46	5,660 4,457 2 41,860 3 9,848	1,011,018 946,537 507,206 479,729	18, 378, 19 6, 633, 42 6, 135, 58		14, 278, 973		8 7,253 1 11,260	4,24 2,37 3,93	9 5 450 9 2,700	. 2	828 1,062 1,807	2,469 3,366 2,808	1,000	
339, 95 270, 74 13, 77 389, 12	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3 3,08	3,624	410, 607 68, 571 5, 122 479, 799	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 135,995 9 107,675 9 6,007 4 500,440	5 9,697,70 330,23	4 120,80	8 71		5		e			

^a Same number reported for one or more other months.

MICHIGAN.

GENERAL STATISTICS.

General character of the state.—Michigan has a gross area of 57,980 square miles, of which 57,480 represent land surface. The inhabitants of the state in 1900 numbered 2,420,982; in 1910, 2,810,173; and in 1920, 3,668,412. In total population Michigan ranked seventh among the states in 1920. The number of inhabitants per square mile in 1910 was 48.9, the corresponding figure for 1920 being 63.8.

In 1920 there were 28 cities in the state (see Table 6) having more than 10,000 inhabitants. The statistics for Hamtramck and Highland Park, however, can not be shown separately without the possibility of disclosing the operations of individual establishments. The combined population of these 28 cities in 1920 was 1,894,612, which formed 51.6 per cent of the total population of the state. In 1919 these cities reported 81.8 per cent of the value of the state's manufactured products.

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

Statistics for the state, by counties (Table 2).— Figures are not available for comparison of county totals for 1919 with those of prior censuses. Of the 83 counties in the state, Wayne and Kent, which include the cities of Detroit and Grand Rapids, reported 60.5 per cent of the total value of products in the state in 1919 and 59.8 per cent of the average number of wage earners.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is often misleading as to their real importance from a manufacturing standpoint. Their ranking would change materially if based upon the average number of wage earners or value added by manufacture.

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

obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 36.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed more than 2,000 wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—This table shows increases from 1914 to 1919 in practically all details for the cities for which comparative figures are available.

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

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

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Michigan. In that year 11.6 per cent of the wage earners were included in the group "48 and under," as against 35.1 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 27.6 per cent of the total wage earners, as compared with 8.3 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 91.4 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 17.9 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 8.6 per cent of the total number of manufacturing establishments in the state, but reported 82.1 per cent of the total number of wage earners.

(669)

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

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

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

Character of ownership (Table 14).—The preponderance of corporate ownership is clearly brought out in this table. Although corporations owned but 39.1 per cent of the number of establishments in the state in 1919, they reported 94.3 per cent of the average number of wage earners and 95.2 per cent of the total value of products. During the five-year period 1914 to

1919 the average number of wage earners in corporations increased 202,687, or 83.8 per cent, and the value of products \$2,312,599,775, or 234.4 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in the 28 cities in 1919 represented 57.7 per cent of the total in the state. They reported in that year 79.8 per cent of the average number of wage earners and 81.8 per cent of the value of products.

Principal industries in Detroit, Flint, Grand Rapids, Lansing, and Saginaw, with per cent of total for state (Table 16).—This table includes the principal industries in each of the 5 cities in the state having 50,000 inhabitants or more in 1920, figures being given for those which can be shown without disclosing the operations of individual establishments.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 471,745 horsepower, or 64.6 per cent. This increase, however, is chiefly due to the gain of 356,868 horsepower, or 185.6 per cent, in rented power. The owned power increased 114,877 horsepower, or 21.3 per cent, during the five-year period.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914 and gives separately for 1919 the amounts used by a number of industries which are large consumers of fuel.

		1.197.21		os syla 4	an an taon ang ang ang ang ang ang ang ang ang an	PE	R CENT OF	INCREASE	hi tati
en relation de la construction de la construcción de la construcción de la construcción de la construcción de En 1997 - Texa de la construcción d En 1999 - Construcción de la constru	1919	1914	1909	1904	1899	1914- 1919	1909- 1914	1904- 1909	1899- 1904
Number of establishments	8, 305	8,724	9, 159	7,446	7, 310	-4.8	-4.7	23.0	1.9
Persons engaged Proprietors and firm members Salaried employees Wage earners (average number)	549,069 6,762 71,065 471,242	320, 611 7, 725 41, 796 271, 090	271,071 8,965 30,607 231,499	200, 196 7, 732 17, 235 175, 229	(2) (3) 13,350 155,800	$\begin{array}{r} 71.3 \\ -12.5 \\ 70.0 \\ 73.8 \end{array}$	18.3 	85.4 15.9 77.6 32.1	29. 1 12. 5
Primary horsepower Capital	1, 202, 128 \$2, 340, 954, 312	730, 383 \$869, 143, 114	598, 288 \$583, 946, 965	440, 890 \$337, 894, 102	368, 497 \$246, 996, 529	64.6 168.3	27.7 48.8	35. 7 72, 8	19.6 36.8
Salaries and wages. Salaries. Wages.	•	238, 524, 979 56, 272, 695 182, 252, 284	153, 838, 044 34, 870, 214 118, 967, 880	98, 749, 270 17, 470, 433 81, 278, 837	74, 867, 786 12, 335, 974 62, 531, 812	$230.7 \\ 104.8 \\ 251.0$	$55.0 \\ 61.4 \\ 53.2$	55, 8 99, 6 46, 4	31. 9 41. 6 30. 0
Paid for contract work Rent and taxes. Cost of materials. Value of products. Value added by manufacture ⁴	8, 232, 883 170, 170, 376 1, 919, 243, 243 3, 466, 188, 483 1, 546, 945, 240	7, 973, 706 18, 481, 171 592, 801, 064 1, 086, 162, 432 493, 361, 368	$\begin{array}{r} 3, 397, 011 \\ 11, 757, 437 \\ 368, 612, 022 \\ 685, 109, 169 \\ 316, 497, 147 \end{array}$	4, 475, 054 ^a 4, 072, 474 230, 080, 931 429, 120, 060 109, 030, 129	(2) (7) 175, 966, 128 319, 691, 856 143, 725, 728	$\begin{array}{r} 3.3\\ 820.8\\ 223.8\\ 219.1\\ 213.6 \end{array}$	$134.7 \\ 57.2 \\ 60.8 \\ 53.5 \\ 55.9$	24. 1 60. 2 59. 7 59. 0	30. 8 34. 2 38. 5

3. A structure description of the second s second secon

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

¹ A minus sign (--) denotes decrease. ² Figures not available.

⁸ Exclusive of internal revenue.

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* Value of products less cost of materials.

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

	Num- ber of	WAGE	EARNERS.				Value added	Primary
COUNTY.	estab- lish- ments.	Average number.	Wages.	Rent and taxes.	Cost of materials.	Value of products.	by manufac- ture.	power.
The state	8, 305	471, 242	\$639,708,093	\$170, 170, 376	\$1, 919, 243, 243	\$3,466,188,483	\$1,546,945,240	1,202,128
Alcona. Alger Alger Alpena. Antrim		$\begin{array}{r} 24 \\ 1,421 \\ 1,567 \\ 1,378 \\ 364 \end{array}$	$\begin{array}{r} 13,120\\ 1,590,669\\ 1,659,208\\ 1,533,224\\ 345,062 \end{array}$	624 175, 747 659, 490 340, 033 66, 039	$\begin{array}{r} 120,557\\ 2,304,070\\ 8,028,057\\ 4,887,750\\ 1,459,635\end{array}$	164, 849 5, 710, 430 12, 244, 990 9, 361, 640 2, 771, 329	44, 292 3, 406, 360 4, 216, 933 4, 473, 890 1, 311, 694	177 7,146 11,241 19,548 1,215
Arenac. Baraga. Barry. Bay. Beuzie.		29 694 1,045 5,822 97	$\begin{array}{r} 29,895\\715,796\\1,059,365\\6,217,587\\77,326\end{array}$	$\begin{array}{r} 2,011\\ 50,177\\ 147,269\\ 1,737,938\\ 17,953\end{array}$	$\begin{array}{r} 203,109\\ 437,836\\ 2,810,522\\ 19,952,846\\ 453,827\end{array}$	$\begin{array}{r} 285,764\\ 2,534,071\\ 5,451,217\\ 36,039,750\\ 637,489\end{array}$	$\begin{array}{r} 82,655\\ 2,096,235\\ 2,640,695\\ 16,086,910\\ 183,662\end{array}$	220 2,086 2,998 32,812 222
Berrien Branch Calhoun Cass Charlevoix	206 60 203 48 35		$\begin{array}{c} 6,846,463\\ 838,615\\ 12,590,800\\ 1,299,271\\ 1,420,894 \end{array}$	$\begin{array}{c} 1,869,425\\ 115,237\\ 3,409,194\\ 350,009\\ 369,761 \end{array}$	$18,735,563\\4,694,405\\36,721,861\\2,716,206\\3,840,490$	$\begin{array}{r} 36, 431, 623 \\ 7, 317, 604 \\ 73, 217, 755 \\ 6, 358, 266 \\ 8, 119, 186 \end{array}$	17, 696, 060 2, 623, 199 36, 495, 894 3, 642, 060 4, 278, 696	$13,603 \\ 8,038 \\ 31,003 \\ 4,099 \\ 5,522$
Cheboygan Chippewa. Clare. Clinton Crawford.	26 65 10 47 16	607 1,916 24 446 489	594, 589 2, 197, 143 19, 118 482, 875 624, 048	$\begin{array}{c} 254,187\\ 598,429\\ 2,882\\ 20,825\\ 84,063\end{array}$	3,356,968 7,489,351 186,010 1,694,159 812,546	5,095,039 12,720,089 260,948 3,022,596 2,041,895	$1,738,071 \\5,231,638 \\74,338 \\1,328,437 \\1,229,349$	5,187 8,290 151 2,098 1,893
Delta. Dickinson. Eaton. Emmet. Genesco.	89 49 68 39 151	$3,602 \\ 612 \\ 1,371 \\ 978 \\ 24,884$	3, 851, 081 732, 835 1, 304, 102 919, 885 38, 589, 156	$\begin{array}{r} 493,369\\41,251\\142,556\\64,541\\12,345,743\end{array}$	$\begin{array}{r} 6, 127,069\\ 878,588\\ 4,762,076\\ 2,070,786\\ 174,420,563\end{array}$	$\begin{array}{c} 12, 937, 399\\ 2, 192, 823\\ 8, 461, 023\\ 4, 123, 847\\ 278, 321, 516\end{array}$	$\begin{array}{r} 6,810,330\\ 1,314,235\\ 3,698,947\\ 2,053,001\\ 103,900,953 \end{array}$	16, 513 2, 250 5, 747 5, 503 38, 998
Gladwin Gogebic Grand Traverse Gratiot Hillsdale.	13 49 63 61 63	24 642 991 1,700 791	23, 600 771, 324 871, 185 2, 261, 171 771, 627	4,469 38,807 108,225 632,994 87,098	$\begin{array}{r} 292,007\\ 1,076,792\\ 2,321,874\\ 21,162,890\\ 6,915,230\end{array}$	350, 355 2, 134, 104 4, 234, 083 27, 165, 994 9, 377, 918	$58,348 \\ 1,057,312 \\ 1,912,209 \\ 6,003,104 \\ 2,462,688$	290 1,740 3,538 6,973 2,783
Houghton. Huron Ingham Ionla. Iosco.	$123 \\ 45 \\ 180 \\ 82 \\ 18$	$2,038 \\ 480 \\ 12,441 \\ 3,144 \\ 228$	$\begin{array}{r} 2,144,489\\ 535,277\\ 14,065,615\\ 3,089,449\\ 324,675\end{array}$	$\begin{array}{r} 216,581\\ 192,541\\ 4,044,735\\ 389,777\\ 19,556\end{array}$	28, 597, 364 4, 501, 873 65, 874, 887 9, 503, 730 394, 751	$\begin{array}{r} 38,585,922\\ 6,154,760\\ 105,985,903\\ 16,429,508\\ 1,044,389\end{array}$	9,988,558 1,652,887 40,111,016 6,925,778 049,038	$\begin{array}{c} 6, 167 \\ 3, 856 \\ 24, 362 \\ 7, 641 \\ 1, 380 \end{array}$
Iron. Isabella Jackson Kalamazoo. Kalkaska	53 30 193 224 10	328 400 10,073 10,228 62	351, 173 307, 868 11, 714, 343 11, 361, 862 59, 615	13, 175 69, 788 740, 950 2, 314, 850 2, 876	580, 624 3, 111, 274 31, 221, 013 37, 700, 972 77, 737	$\begin{array}{r} 1,265,147\\ 4,577,862\\ 52,065,986\\ 67,086,766\\ 202,961 \end{array}$	684, 523 1, 460, 588 20, 844, 973 29, 385, 794 125, 224	707 1, 353 20, 660 50, 024 398
Kent. Lake. Lapeer Leelanau Leenawee.	700 7 44 17 131	25, 640 10 277 61 3, 009	28, 395, 218 8, 401 275, 205 45, 758 3,049, 751	4, 141, 176 479 14, 298 1, 291 503, 218	58, 729, 590 65, 018 1, 147, 473 226, 941 19, 159, 576	122,065,487 79,645 1,735,724 393,504 27,521,091	63, 335, 897 14, 627 588, 251 166, 563 8, 361, 515	61, 549 50 1, 282 746 10, 198
Livingston Luce. Mackinac Macomb Manistee.	42 12 23 93 51	274 745 256 692 2,076	305, 538 843, 584 228, 602 920, 544 1, 717, 315	35,419 95,107 13,422 101,566 324,652	2,652,711 2,255,682 267,395 2,843,850 3,953,197	3,405,099 3,737,408 768,053 5,158,151 8,174,701	$752,388 \\1,481,726 \\500,658 \\2,314,301 \\4,221,504$	1,102 2,589 728 2,891 9,196
Marquette. Mason. Mecosta Menominee. Midland.	82 42 34 58 17	1,960 1,719 481 2,094 1,121	$\begin{array}{c} 2,219,738\\ 1,467,552\\ 354,030\\ 2,192,327\\ 1,548,743 \end{array}$	145,008 444,586 29,875 51,1,512 355,223	5,470,944 3,545,194 1,549,694 4,837,382 2,905,292	9,256,186 7,616,702 2,423,898 10,128,286 5,827,562	$\begin{array}{r} 3,785,242\\ 4,071,508\\ 874,204\\ 5,290,904\\ 2,922,270\end{array}$	8,033 4,117 2,050 13,375 12,044
Missaukee Monree. Montcalm. Montmorency. Muskegon.	12 60 57 12 203	589 3, 187 852 51 12, 664	388, 676 3, 674, 451 620, 374 40, 127 14, 950, 232	152, 886 709, 188 84, 549 901 3, 699, 818	467, 526 9, 129, 733 3, 183, 089 143, 926 33, 927, 112	$1,367,225 \\ 17,661,031 \\ 4,630,383 \\ 204,217 \\ 72,169,248$	899, 699 8, 531, 298 1, 453, 294 60, 291 38, 242, 136	$1,447 \\18,664 \\1,715 \\168 \\31,097$
Newaygo Oakland « Oceana. Ogemaw Ontonagon	46 164 44 6 27	508 8, 125 439 41 863	461, 738 11, 383, 621 284, 972 47, 494 708, 656	69,620 5,307,954 26,174 1,302 85,810	$\begin{array}{c} 2,402,979\\68,903,199\\1,669,816\\88,700\\598,629\end{array}$	$\begin{array}{c} 3,568,433\\ 108,195,982\\ 2,362,915\\ 199,002\\ 2,140,277 \end{array}$	1,165,45439,292,783693,099110,3021,541,648	$2,895 \\15,996 \\1,104 \\214 \\2,653$
Osceola. Otsego. Ottawa. Presque Isle.	23 11 165 19	294 353 5,588 765	301, 737 276, 695 5, 399, 169 875, 445	37, 093 41, 586 976, 221 57, 632	$\begin{array}{c} 1,954,010\\ 475,334\\ 22,192,115\\ 1,900,729 \end{array}$	$\begin{array}{c} 2,543,674\\ 1,258,382\\ 37,002,265\\ 3,492,235 \end{array}$	589, 664 783, 048 14, 810, 150 1, 591, 506	$1,882 \\ 1,009 \\ 11,046 \\ 2,002$
Saginaw. St. Clair. St. Joseph. Sanilac.	262 157 86 39	12, 319 4, 819 3, 050 333	$\begin{array}{c} 13,571,961\\ 5,542,821\\ 3,084,445\\ 266,267 \end{array}$	$\substack{1,512,642\\594,867\\394,281\\106,229}$	27,009,517 12,267,522 6,104,948 2,911,490	$\begin{array}{c} 56,525,989\\ 23,952,075\\ 13,496,165\\ 3,768,671 \end{array}$	29, 516, 472 11, 684, 553 7, 391, 217 857, 181	61, 331 14, 246 7, 478 2, 178
Schoolcraft Shiawassee Tuscola Van Buren	27 67 44 99	989 1,867 313 1,128	1,023,802 2,316,769 351,946 1,077,748	$247,210 \\ 522,434 \\ 128,732 \\ 163,458 \\ \hline$	3,735,866 6,866,352 3,244,727 4,541,993	5,804,866 11,842,842 4,310,856 7,289,038	2,069,000 4,976,490 1,066,129 2,747,045	13,069 4,691 2,664 3,189
Washtenaw. Wayne. Wexford . All other counties ¹	2,377 43 7	2,610 256,144 1,835 51	3,206,904 390,184,190 1,746,132 54,015	$523,295 \\115,229,416 \\478,317 \\6,754$	8,829,273 1,058,452,036 5,990,267 134,948	15, 451, 733 1, 975, 599, 670 10, 313, 888 254, 222	6,622,460 917,147,634 4,314,621 119,274	10,698 483,838 18,003 409

¹All other counties comprise Keweenaw, Oscoda, and Roscommon.

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

	1	[]				VALUE A			1	1		1			
	Number of establishments.	WA EARN	GE IERS.	VALUE PRODU	OF CTS.	BY MA FACTU	NU-		Number of establishments.	WA EARN	ERS.	PRODU		VALUE BY MA FACT	ANU-
INDUSTRY.	umbe	age Der.	ent ttion.	unt sed in nds).	ent ution.	unt sed in nds).	ent ition.	INDUSTRY.	lumb	age Der.	ent ition.	int sed in ids).	ent ution.	int ids).	int tion.
	esta	Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.		N este	Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries	8, 305	471,242				\$1,546,945		Wood distillation Patent medicines and compounds	10	1, 580 1, 392 1, 387		\$10.65	1 0.5	\$4,85	8 0.3
Automobiles Automobile bodies and parts Foundry and machine-shop prod-	68 203	126,937 49,048	26.9 10.4		38.4 8.3	522, 872 137, 744	33.8 8.9	Cement. Tobacco, chewing and smoking, and snuff.	- 11	11		l '		5,68	1 0.4
ucts Engines, steam, gas, and water Shipbuilding, steel, new vessels and small boats	523 35	39,430 14,258	3.0	101, 989	2.9	1 1	2.9	1		11		9,181 8,761		3.64	3 0.2
Furniture	7 171	15,996 18,496	3.9		1 · · · ·	48,078 41,187		Clothing, men's Hardware. Iron and steel, forgings, not made in steel works or rolling mills Springs, steel, car and carriage, not made in steel works or roll	. 15	11	1 1				
Paper and wood pulp Brass, bronze, and copper prod- ucts	39 80	9, 561 10, 306	2.0 2.2	66, 300 62, 708 59, 585		25, 946 23, 859 9, 810	5.000	not made in steel works or roll- ing mills. Iron and steel, steel works and rolling mills.	- 6	1		. 8,472		-,	1.00
Slaughtering and meat packing Rubber tires, tubes, and rubber goods, not elsewhere specified	24 7	1,712 5,044	0.4 1.1	59, 585 50, 318		1	0.6 1.9	41 .	1	J) -		,		,	10.11
Lumber and timber products Leather, tanned, curried, and	380 28	14,923	3.2 0.7	46,044		30, 350	2.0	Screws, machine Stamped ware, not elsewhere specified. Stoves, gas and oil. Corsets. Refrigerators.	21 7 12 12	1,185 1,001	0.3 0.2 0.3	7,630 7,407 7,298	0.2	3,793 4,504	0.3
Lumber and timber products Leather, tanned, curried, and finished Bread and other bakery products. Flour-mill and gristmill products.	944 345	$3,464 \\ 5,088 \\ 1,128$	$ \begin{array}{c} 0.7 \\ 1.1 \\ 0.2 \end{array} $	45, 801 44, 923 44, 144	$1.3 \\ 1.3 \\ 1.3 \\ 1.3$	13, 349 16, 808 5, 959	$0.9 \\ 1.1 \\ 0.4$		12		0.4	6,718	0.2		0.2
not including planing mills connected with sawmills	192	5, 256	1.1	37, 869	1.1	13,860	0.9	Boots and shoes. Lamps and reflectors. Mineral and soda waters. Musical instruments, pianos	15 8 131 8	1,120 924 602 1,122	$0.2 \\ 0.2 \\ 0.1 \\ 0.2$	6,046 5,564 5,467	0.2	1,862 3,472 2,002 2,574 3,249	0.2
Chemicals Food preparations, not elsewhere specified	36 37	5, 712 2, 483	$1.2 \\ 0.5 \\ 0.2$	37, 851 35, 702	$1.1 \\ 1.0$	22, 107 16, 889	1.4 1.1	Liquors, malt	25	1,122 779	0.2	5, 397 5, 276	0.2 0.2	3, 249	0.2 0.2
Butter Smelting and refining, cop- per Condensed milk	231 4	984 709	0.2	35, 702 33, 385 32, 725	1.0 0.9	3,805	0.3 0.5	Boxes, wooden packing, except cigar boxes Pickles, preserves, and sauces Tinware, not elsewhere specified. Woolen goods. Phonographs and graphophones.	46 44 6 9	1,481 483 918	$0.3 \\ 0.1 \\ 0.2$	$4,978 \\ 4.836 \\ 4.631$	0.1		0.1
Sugar heat	32 16	1,064 1,836	0.2 0.4	32, 725 27, 738 26, 379	0.8 0.8	6,980 4,631 9,697	0.3 0.8		9 10	812 798	$\begin{array}{c} 0.2\\ 0.2\end{array}$	4, 572 4, 230	0.1	1, 691 2, 558	0.1
Electrical machinery, apparatus, and supplies. Printing and publishing, news- papers and periodicals.	54	4, 190	0.9	25, 026	0.7	15, 990	1.0	Automobile repairing Varnishes Clothing, women's	259 6 33	968 193 1,036	0.2 (1) 0.2	$\begin{array}{c} 4,227 \\ 4,092 \\ 3,923 \end{array}$	0.1 0.1 0.1	2,364 1,948 1,650	0.1
Druggists' proparations Stoves and hot-air furnaces	565 16 21	3, 176 3, 219 4, 240	0.7 0.7 0.9	24, 930 23, 904 20, 489	0,7 0.7 0.6	$17,234 \\ 13,908 \\ 14,200$	$ \begin{array}{c} 1.1 \\ 0.9 \\ 0.9 \\ 0.9 \end{array} $	Clothing, women's. Cars and general shop construc- tion and repairs by electric- railroad companies.	15	1, 401 694	0.3				
Pobacco, cigars and cigarettes	349 59	5, 456 2, 846	$1.2 \\ 0.6$	18, 119 17, 993	0.5 0.5	9, 728 9, 723	0.6 0.6	Paper goods, not elsewhere speci- fied.	115 10	451	0.1	3, 828 3, 791 3, 748	0.1	2,203 2,069 1,452	0.1
Printing and publishing, book and job Jars and general shop construc- tion and repairs by steam-rail-	436	3, 717	0.8	17, 676	0.5	11, 204	0.7	Cheese. Cleansing and polishing prepa- rations.	55 20	146 138	(¹)	3, 663 3, 599	0.1		(1)
steel works or rolling mills	36 34	7,025 2,313	1.5	17, 223 17, 124	0.5	10, 995 6, 109	0.7 0.4	Wall plaster and composition flooring Carriages and sleds, children's	10 10	585 799	0.1	3, 591 3, 410	0.1 0.1	2, 101 2, 013	
			0.5		0.5	6, 262	0.4	Brick and tile, terra-cotta, and fire-clay products	48	852	0.2	3, 310	0.1	2,013 2,521	0.1 0.2
Wirework, not olsewhere speci- fied aints	38 24 12 11	1,019 2,063 1,101	0.2 0.4 0.2	16,435 14,054 13,534	0.5	6,871 7,715	$0.4 \\ 0.5 \\ 0.2$	whore specified	11	837	0.2	3, 300	0. 1	1,765	0.1
onfectionery and ice groom	31 184	3, 196 1, 746	0.7	12,656 12,627	0.4 0.4	8,684 5,458	0.6	ing paper patterns Wooden goods, not elsewhere specified	52 18	861 984	0.2	3, 280 3, 225	0.1	2, 840 1, 716	0.2 0.1
ools, not clsewhere specified	31 89	3, 170 3, 261	0.7 0.7	12,039 11,899	0.3 0.3	5, 249 8, 350	0.3 0.5	hot-water heating apparatus	15 1,505	762 85, 634	0.2 0.2 7.6	3,063 218,060	0.1	1,710 1,490 125,291	0.1 8.1
and vegetables. gricultural implements. oxes, paper and other, not else- where specified	52 23	2,109	0.4	11,172 11,091	0.3	6,043	0.2 0.4		_,	50g 00x		<i></i>		140, 201	
where specified	22	2, 336	0.5	10, 935	0.3	5,649	0,4	n de la contra de la En contra de la contr						- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1975

¹ Less than one-tenth of 1 per cent. ² Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are six having products in excess of some for which figures are shown in the table. These industries are as follows: "Billiard tables and accessories"; "cars, steam-railroad, not including operations of railroad companies"; "cash registers and calculating machines"; "coke, not including gas-house coke"; "silk goods"; and "stationery goods, not elsewhere specified."

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

	Cen-			Fe-	PER CI TOT			Cen-			Fe-	PER CE TOT	
CLASS.	sus year.	Total.	Male.	male.	Male.	Fe- male.	CLASS.	sus year.	Total.	Male.	male.	Male.	Fe- male.
All classes	1919 1914 1909	549,069 320,611 271,071	475, 246 278, 229 231, 915	73, 823 42, 382 39, 156	86. 6 86. 8 85. 6	13.4 13.2 14.4		1919 1914 1909	50,663 32,058 22,576	31,258 22,928 16,183	19,405 9,130 6,393	61.7 71.5 71.7	38.3 28.5 28.3
Proprietors and officials	1919 1914 1909	27,164 17,463 16,996	26,280 16,900 16,434	884 563 562	96. 7 96. 8 96. 7	3.3 3.2 3.3	Wage earners (average number)	1919 1914 1909	471,242 271,090 231,499	417,708 238,401 199,298	53, 534 32, 689 32, 201	88.6 87.9 86.1	11.4 12.1 13.9
Proprietors and firm members.	1919 1914 1909	6,762 7,725 8,965	6,456 7,335 8,564	306 390 401	95, 5 95, 0 95, 5	4.5 5.0 4.5	16 years of age and over	1919 1914 1909	469,750 269,519 228,982	416,616 237,496 197,777	53,134 32,023	88. 7 88. 1 86. 4	11.3 11.9 13.6
Salaried officers of corporations.	1919 1914 1909	5,266 3,572 3,089	5,108 3,471 3,026	158 101 63	97. 0 97. 2 98. 0	3.0 2.8 2.0	Under 16 years of age	1919 1914 1909	1,492 1,571 2,517	$1,092 \\ 905 \\ 1,521$	400 666 996	73, 2 57, 6 60, 4	26.8 42.4 39.6
Superintendents and managers.	1919 1914 1909	15,136 6,166 4,942	14,716 6,094 4,844	420 72 98	97. 2 98. 8 98. 0	2.8 1.2 2.0							

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

			PER CE	NT OF T	OTAL.			i	PER CE	NT OF TO	JTAL.
INDUSTRY.	Cen- sus year.	Wage earners (average num-	16 year and	s of age over.	Un- dor 16	INDUSTRY	Cen- sus year.	Wage earners (average num- ber).	16 year and	s of age over.	Un- der 16
	· · · · · · · · · · · · · · · · · · ·	ber).	Male.	Fe- male.	years of age.				Male.	Fe- male,	years of age.
AllIndustries	1919 1914 1909	471,242 271,090 231,499	88.4 87.6 85.4	$11.3 \\ 11.8 \\ 13.5$	0.3 0.6 1.1	Hardware	1914	2,174 742	77.0 89.8 23.8	22.3 9.8 74.2	0.7 0.4 2.0
Agricultural implements	1919 1914	2,708 2,143	97.5 99.6	2.4	(1) 0.4	Knit goods	1914	3,170 2,714 3,464	24.4 95.9	74.1 4.1	1.5
Automobile bodies and parts	1919 1914	49, 048 24, 736	94. 6 97. 7	5.3 2,1	0.1 0.2	Lumber and timber products.	1914 1919	2,773 14,923	99.9 98.7	(¹) 1.2	(¹) 0.1
Automobiles	1919 1914	$126,937 \\ 42,802$	95. 8 97. 9	4.1 2.0	0.1 0.1	Lumber, planing-mill products, not includ- ing planing mills connected with saw-	1914 1919	21,488 5,256	99.7 93.8 98.0	0.2 5.3 1.3	0.2 0.9 0.7
Boxes, paper and other, not elsewhere speci- fied.	1919 1914 1919	2,836 1,461 10,306	82.4 66.3 91.7	66.5 31.7 8.2	1.1 2.0	ing planing mills connected with saw- mills. Paper and wood pulp	1914 1919 1914	4,944 9,561 6,051	86.7 84.7	13.3 15.3	$\begin{pmatrix} 1 \\ (1) \\ (1) \end{pmatrix}$
Brass, bronze, and copper products.	1919 1914 1919	4,731	94.5	3, 6 24, 3	(1) 1.8 1.0	Printing and publishing, book and job	1919 1914	3,717 3,860	68.9 74.1	29.8 24.4	1.3 1.5
Canning and preserving, fruits and vege-	1914 1919	4,014 2,109	79, 6 44, 2	19.6 50.5	0.7	Printing and publishing, newspapers and periodicals.	1919 1914	3,178 3,270	80.1 83.4	17.7 14.5	2.2 2.1
tables. Cars and general shop construction and re- pairs by steam-railroad companies.	1914 1919 1914	1,687 7,025 5,803	42.5 98.7 100.0	57.0 1.3	0.5 (1)	Rubber tires, tubes, and rubber goods, not elsewhere specified. ³	1919	5,044	91.8	8.2	0.1
Chemicals	1919 1919 1914	5,712 4,509	98.3 99.3	1.5 0.6	0.1	Salt	1919 1914	2,063 1,434 15,996	93. 2 93. 2 99. 6	6.4 6.8 0.4	0.4
Druggists' preparations.	1919 1914	3, 219 2, 175	43. 3 52. 6	56.7 46.9	0, 6	Shipbuilding, steel, new vessels and small boats. Stoves and hot-air furnaces	1919 1914 1919	935	100.0 99.0	0.4	0.2
Electrical machinery, apparatus, and supplies.	1919 1914	4,190 1,144	60. 9 71. 2	39.0 28.4	0, 1 0, 4	Structural ironwork, not made in steel works or rolling mills.	1914 1919	4,240 3,832 2,313	99.0 96.8	0.2 3.2	0.8 (¹) 0.6
Engines, steam, gas, and water	1919 1914	14, 258 4, 427	95, 8 99, 7	4.2 0.2		works or rolling mills. Tobacco, cigars and cigarettes	1914 1919 1914	1,371 5,458 7,295	99.4 16.6 19.7	83.1 76.2	0.0
Food preparations, not elsewhere specified	1919 1914	2,483 1,683	62.6 71.2	37.4	0,1	Tools, not elsewhere specified		3,261 372	84.8 97.0	15.1 1.3	0,1
Foundry and machine-shop products ²	1919	42,745 17,608 18,496	93.9 97.2 85.9	6.0 2.7 13.2	0.1	Wirework, not elsewhere specified		2,516 1,314	77.6 92.6	21.7 6.7	0.7 0.7
Furniture	1919 1914 1919	14,706	95.8 99.8	3.7 0.2	0, 5	All other industries	1919 1914	85,406 72,717	78, 6 78, 4	20.8 20.7	0,6 0,8
vas, muning and noame	1914	2,349	99.8	0.2]		1	<u> </u>	<u> </u>

^a Not shown separately in 1914.

¹ Less than one-tenth of 1 per cent. ² Includes "iron and steel, tempering and welding" and "machine tools."

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

		۸V	ERAGE NU	MBER OF	WAGE E.	ARNERS II	N MANUE	ACTURIN	IG INDUS	TRIES.	v.		ALTA ALTA		
					16 y	ears of ag	e and ov	er.		Une	ler 16 y	ears	VAL	UE OF PRODUC	TS.
CITY.		Total.			Male.			Female.	. <u>.</u>		of age.				
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
Adrian Alpena Ann Arbor Battle Creek Bay City	1, 870 1, 372 1, 612 6, 680 5, 057	1, 256 1, 494 842 4, 599 3, 771	1,059 1,432 573 4,175 4,737	1, 473 1, 288 1, 440 5, 503 3, 979	$1,002 \\ 1,460 \\ 747 \\ 3,999 \\ 3,355$	924 1, 403 535 3, 415 4, 263	388 84 172 1,170 1,062	249 33 93 599 386	118 27 38 752 441	9 9 	5 1 2 1 30	17 2 8 33	\$14, 549, 031 9, 356, 190 9, 703, 696 56, 189, 953 28, 214, 525	\$5, 442, 338 4, 101, 935 2, 603, 379 23, 248, 420 11, 119, 286	
Benton Harbor Detroit Escanaba Flint Grand Rapids	2, 328 167, 016 842 24, 603 23, 518	1, 285 99, 603 777 8, 722 17, 427	81, 011 720 7, 088 17, 590	2, 030 145, 179 637 22, 190 19, 146	$1,098 \\ 82,012 \\ 615 \\ 8,349 \\ 14,622$	64, 138 595 6, 775 15, 157	290 21, 379 204 2, 405 4, 163	187 16, 598 159 366 2, 748	15, 061 122 312 2, 320	8 458 1 8 239	993 3 7 57	1, 812 3 1 113	$11, 345, 034 \\1, 234, 519, 842 \\3, 017, 912 \\275, 779, 638 \\109, 135, 055$	3, 021, 552 400, 347, 912 1, 506, 520 53, 375, 039 49, 792, 200	252, 939, 343 1, 074, 109 24, 118, 007 42, 230, 675
Holland Ironwood Ishpeming Jackson Kalamazoo	2, 748 399 107 9, 620 7, 629	2, 165 516 79 4, 906 5, 525	$2,162 \\ 201 \\ 66 \\ 4,788 \\ 6,272$	2, 250 375 99 8, 116 5, 922	1,877511754,0194,253	1, 951 197 59 3, 754 4, 390	464 14 7 1,485 1,654	270 5 3 867 1,233	186 4 6 1,023 1,844	34 10 1 19 53	18 1 20 39	25 1 11 38	$\begin{array}{r} 17,711,095\\ 1,381,200\\ 1,007,432\\ 49,517,712\\ 46,254,917 \end{array}$	8, 683, 835 793, 247 228, 643 16, 809, 846 20, 214, 314	5, 802, 043 377, 410 122, 374 13, 984, 121 17, 903, 560
Lansing Marquette Monroe Muskegon	12, 349 1, 415 2, 904 9, 716	6, 231 589 4, 646	5, 285 509 4, 522	11, 360 1, 370 1, 828 8, 258	5, 903 572 3, 960	5, 043 500 3, 871	972 33 1,074 1,427	327 14 640	239 9 615	17 12 2 31	1 3 46	3 36	$\begin{array}{c} 104,722,115\\7,210,375\\16,052,331\\55,969,347 \end{array}$	26, 984, 496 1, 394, 587 11, 147, 605	16, 567, 093 1, 277, 828 9, 647, 828
Owosso Pontiac Port Huron ,, Saginaw	1, 781 7, 682 2, 231 9, 472	1,231 2,409 1,296 6,342	1, 739 1, 580 5, 368	1, 594 7, 071 1, 887 7, 791	1, 120 2, 336 1, 045 5, 479	1, 629 1, 435 4, 637	177 611 334 1,637	110 73 251 847	106 142 706	10 10 44	1 	4 3 25	9, 948, 736 104, 990, 133 9, 545, 578 43, 146, 125	3, 468, 534 15, 102, 453 4, 090, 323 19, 008, 670	5, 893, 961 3, 588, 272 14, 192, 054
Sault Ste. Marie Traverse City Wyandotte All other cities ¹	1, 248 960 6, 214 64, 629	938 956	825 1, 220	1, 151 757 5, 958 63, 268	863 712	775 1, 102	96 200 252 1,358	74 242	50 117	1 3 4 3	1 2 	1	$\begin{array}{c} 10,699,767\\ 4,099,960\\ 33,382,791\\ 569,208,377\end{array}$	3, 821, 464 2, 251, 484	3, 729, 117 2, 289, 150

¹ All other cities comprise Hamtramek and Highland Park.

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

		NUMBER.1		PER CEI	T OF MA	XIMUM.			NUMBER.1		PER CEN	T OF MA	XIMUM.
MONTH.	1919	1914	1909	1919	1914	1909	MONTH.	1919	1914	1909	1919	1914	1909
January February. March April May. June.	<i>421, 493</i> 425, 205 428, 121 431, 021 442, 925 461, 718	273, 067 277, 824 282, 176 281, 040 278, 103 269, 532	<i>211,679</i> 218,230 223,087 222,273 226,811 229,058	80. 6 81. 3 81. 9 82. 4 84. 7 88. 3	96, 8 98, 5 100, 0 99, 6 98, 6 95, 5	87.3 89.2 88.9 90,7	July August Soptember October November December	480, 152 497, 915 507, 050 515, 805 522, 876 520, 623	268, 399 274, 164 273, 860 270, 454 254, 078 £49, 777	232, 023 235, 804 240, 310 241, 912 246, 720 256, 078	91. 8 95. 2 97. 0 98. 0 100. 0 99. 0	95, 1 97, 2 97, 1 95, 8 90, 3 88, 5	92. 8 94. 3 96. 1 96. 7 98. 7 100. 0

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

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

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

	Aver- age		NUM	BER EMPI	OYED ON	15TH DA						E DAY.		Per
INDUSTRY AND CITY.	num- ber em- ployed during year.	Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber,	cent mini- mum is of maxi- mum.
All industries Males Females	471, 242 417, 708 53, 534	421,493 371,876 50,117	425, 205 376, 532 48, 673	428, 121 379, 596 48, 525	431, 021 381, 814 49, 207	442, 925 392, 827 50, 098	461, 718 409, 526 52, 192	480, 152 424, 915 55, 237	497, 915 441, 386 56, 529	507, 050 449, 561 57, 489	515, 805 457, 033 58, 772	522, 876 464, 243 58, 633	520, 623 463, 687 56, 936	80.6 80.0 82.6
Agricultural implements. Automobile bodies and parts. Automobiles Boxes, paper and other, not elsewhere specified.	2, 708 49, 048 126, 937	2,644 36,649 99,563	2, 943 38, 293 103, 345	3, 111 40, 972 107, 479	3,113 42,760 114,432	2, 913 43, 619 121, 185	2, 818 45, 763 128, 064	2, 668 49, 581 133, 493	2,683 53,014 138,077	2,110 56,459 142,977	2, 273 60, 218 144, 191	2, 468 61, 438 145, 197	2,752 59,780 145,241	67.8 59.7 68.6
specified Brass, bronze, and copper products	2, 336 10, 306	2, 257 9, 759	2, 313 9, 357	2, 274 9, 121	2, 253 9, 170	2, 246 9, 270	2, 246 8, 922	2, 335 9, 696	2, 391 10, 852	2,336 11,437	2, 414 12, 402	2, 515 12, 454	2,452 11,232	89.3 71.6
Bread and other bakery products Canning and preserving, fruits and	5,088	4,748	4,698	4, 851	4, 954	4, 975	5, 141	5, 177	5, 311	5, 195	5, 278	5, 365	5, 363	87.6
vegetables. Carsand general shop construction and repairs by steam-railroad companies.	2, 109 7, 025	860 7,038	418 7,044	4 <i>00</i> 6,975	541 6,910	781 6, 954	3, 533 6, 938	5,019 6,960	4,180	4, 186 6, 928	3,151 7,064	1, 581	658	8.0
Chemicals	5, 712	7, 494	6,697	5, 768	5,042	4,980	5,077	5, 083	5, 123	5,482	5,720	7, 243 5, 962	7, 268 6, 116	95.1 66.5
Druggists' preparations Electrical machinery, apparatus, and supplies.	3, 219 4, 190	3, 183 3, 847	3, 221 3, 853	3, 208 3, 845	3,145 3,775	3, 179 3, 854	3,171	3, 247 4, 050	3,210 4,369	3, 232 4, 493	3, 212 4, 697	3, 317	3, 303 4, 661	94.8
supplies. Engines, steam, gas, and water. Food preparations, not elsewhere speci-	14, 258	16, 691	13,638	13, 755	10,460	10, 782	13, 216	14, 413	15, 213	15, 305	15, 531	15, 746	16, 346	76.9 62.7
Foundry and machine-shop products.	2, 483 39, 430	1,778 35,503	1,917 36,114	1, 883 37, 103	2, 119 36, 438	2, 583 36, 690	2,728 37,229	3,083 39,169	3,354 39,756	3,108 41,065	2,621 43,457	2, 282 45, 392	2, 340 45, 154	53.0 78.4
Furniture Gas, illuminating and heating Hardware Knit goods. Leather, tanned, currled, and finished.	$18,496 \\ 2,846 \\ 2,174 \\ 3,170 \\ 3,404$	15,908 2,557 1,753 3,201 3,802	16, 246 2, 387 1, 816 3, 175 3, 366	16, 795 2, 478 1, 807 3, 058 3, 303	17,055 2,569 1,894 3,115 3,547	17,406 2,679 1,992 3,001 3,406	17, 966 2, 754 2, 044 2, 971 3, 392	18, S43 3, 032 2, 223 3, 097 3, 527	19, 487 2, 984 2, 336 3, 188 3, 622	19,777 3,018 2,427 3,121 3,511	20, 191 3, 274 2, 586 3, 352 3, 518	20, 913 3, 145 2, 627 3, 345 3, 525	21, 365 3, 275 2, 583 3, 416 3, 549	74.5 72.9 60.7 87.0 91.2
· · · · · · · · · · · · · · · · · · ·	14, 923	16, 355	16, 575	15, 656	13, 787	13, 797	13,049	13,957	14,051	14, 536	14,783	15, 364	16, 566	82.3
Lumber and timber products. Lumber, planing-mill products, not in- cluding planing mills connected with sawmills. Machine tools. Paper and wood pulp.	5, 256 3, 196 9, 561 3, 717	4, <i>251</i> 3, 314 9, 223	4, 301 3, 214 9, 185	4, 334 3, 066 <i>9, 063</i>	4,690 3,044 9,110	5, 047 3, 055 9, 294	5, 276 3, 030 9, 505	5, 703 3, 057 9, 765	5,860 3,165 9,941	5, 898 3, 263 9, 868	5, 851 3, 324 9, 905	5,908 3,436 9,996	5,953 3,384 9,879	71.4 88.2 90.7
. mining and provisions, poor and job.	3, 717	3,535	3, 621	3, 613	3, 600	3, 576	3, 619	3, 621	3,734	3, 844	3, 916	3, 908	4, 017	.88.0
Printing and publishing, newspapers and periodicals. Aubber tires, tubes, and rubber goods, not elsewhere specified alt.	3, 176	3,032	3,054	3,075	3, 111	3, 143	3, 137	3, 192	3, 153	3, 236	8, 273	3, 341	3, 365	90.1
alt	5, 044 2, 063	4, 184 2, 017	4,620 1,964	4,828 1,923	4, 587 1, 981	4,810 1,925	4,786 2,016	4, 983 2, 060	5,104 2,178	5, 279 2, 125	5, 505 2, 143	5, 814 2, 169	5, 968 2, 255	70.1 85.3
hipbuilding, steel, new vessels and small boats toves and hot-air furnaces	15, 998 4, 240	17, 333 <i>3, 815</i>	$18,855 \\ 4,160$	20, 269 4, 159	$19,133 \\ 4,095$	18,904 4,133	19,726 4,070	15, 998 3, 975	16,370 4,306	13, 863 4, 429	11, 592 4, 609	10, 449 4, 879	9, 460 4, 450	46.7 81.5
itructural ironwork, not made in steel works or rolling mills. 'Sobacco, cigars and cigarettes 'sols, not elsewhere specified Virework, not elsewhere specified Il other industries	2, 313 5, 456 3, 261 2, 516 85, 525	2, 125 5, 238 2, 860 <i>1, 989</i> 83, 397	1, 969 5, 504 <i>2</i> , 810 2, 242 82, 290	1,965 5,428 2,923 2,368 77,265	1, 980 5, 400 2, 994 2, 398 77, 819	1,932 5,465 2,997 2,509 79,843	2,098 4, <i>056</i> 3,076 2,758 82,415	2, 384 5, 281 3, 094 2, 712 85, 674	2, 592 5, 489 3, 328 2, 638 89, 788	2, 641 5, 516 3, 574 2, 638 90, 175	2, 668 5, 780 3, 740 2, 704 90, 912	2, 675 5, 847 3, 923 2, 638 93, 306	2, 727 5, 918 3, 813 2, 598 93,416	70.8 78.7 71.6 72.1 82.7
ndustrics showing large proportion of females.			A S						4 					
Boxes, paper and other, not elsewhere specified fread and other bakery products anning and preserving, fruits and	1, 571 1, 255	1, 557 1, 228	1,582 1,120	1, 514 1, 226	1, 511 1, 257	1, 487 1, 238	1,484 1,256	1, 549 1, 298	1, 565 1, 302	1, 548 1, 215	1, 633 1, 255	1, 734 1, 329	1, 688 1, 336	85, 6 83, 8
vegetables. Pruggists' proparations. Electrical machinery, apparatus, and supplies.	1, 139 1, 824 1, 638	377 1, 872 1, 482	129 1, 880 1, 488	97 1, 851 1, 502	139 1, 808 <i>1, 431</i>	235 1,834 1,512	2,034 1,821 1,529	2,829 1,835 1,559	2,487 1,767 1,719	2, 466 1, 797 1, 776	1,926 1,770 1,848	745 1, 831 2, 027	204 1, 832 1, 783	3, 4 93, 5 70, 6
food preparations, not elsewhere														-
specified fardware Init goods Init goods Initing and publishing, book and job. obacco, cigars and cigarottes Virework, not elsewhere specified	928 485 2, 399 1, 112 4, 543 552	525 385 2,434 1,065 4,362 <i>356</i>	608 389 2, 389 1, 097 4, 596 458	639 386 2, 302 1, 084 4, 521 482	850 387 2, 367 1, 071 4, 491 514	1,1084212,2731,0414,528570	1, 171 430 2, <i>246</i> 1, 070 <i>3</i> , 836 626	2; 329 526 2; 362 1; 065 4; 394 628	1, 388 540 2, 409 1, 104 4, 554 617	$1,242 \\ 551 \\ 2,354 \\ 1,154 \\ 4,599 \\ 601$	861 594 2, 549 1, 175 4, 795 590	688 616 2,528 1,187 4,901 586	727 595 2, 575 1, 231 4, 939 596	37.8 62.5 87.2 84.6 77.7 56.7
Total for cities Males Females	376, 032 332, 700 43, 332	330,601 289,311 41,290	333, 217 293, 253 39, 964	335, 523 295, 713 <i>39, 810</i>	344, 776 304, 357 40, 419	3 55, 475 314, 435 41, 040	367, 611 325, 799 41, 812	384, 337 340, 677 43, 660	397, 195 352, 332 44, 863	408, 026 361, 860 46, 166	416, 590 369, 379 47, 211	419, 976 372, 486 47, 490	419, 057 372, 798 46, 259	78.7 77,6 83.8
ADRIAN	1,870 1,482 388	1,748 1,373 375	1,827 1,454 373	1, 811 1, 460 <i>351</i>	1, 763 1, 387 376	1,715 1,362 353	1,766 1,397 369	1, 789 1, 397 392	1,902 1,500 402	1,918 1,520 398	2,082 1,675 407	2,055 1,629 426	2,064 1,630 434	82,4 81,3 80,9
LLPENA. Males. Females.	1,372 1,288 84	1, 224 1, 175 49	1,218 1,170 48	1,236 1,186 50	1,332 1,277 55	1, 247 1, 186 61	1,278 1,222 56	1,325 1,262 63	1,360 1,294 66	1,539 1,469 70	1,590 1,435 155	1,576 1,409 167	1,539 1,371 168	76.6 79.6 28.6
ANN ARBOR Males. Females	1,612 1,440 172	1,555 1,379 176	1,615 1,466 149	1,686 1,509 177	1, <i>502</i> 1, <i>338</i> 164	1,638 1,481 157	1,588 1,445 <i>143</i>	1, 711 1, 513 198	1,529 1,341 188	1,604 1,419 185	1,638 1,466 172	$1,652 \\ 1,470 \\ 182$	1,626 1,453 173	87.8 88.4 72.2
BATTLE CREEK Males Females	6, 680 5, 506 1, 174	5,868 5,045 823	6, 267 5, 375 892	6, 356 5, 414 942	6,667 5,547 1,120	7,009 5,658 1,351	7, 145 5, 725 1, 420	7, 374 5, 793 1, 581	7,554 5,956 1,598	6, 693 5, 259 1, 434	6,267 5,195 1,072	6, 342 5, 437 905	6, 618 5, 668 950	77.7 84.7 51.5

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

	Aver- age		NUMB	ER EMPLO	OYED ON	15TH DAY	OF THE	монти о	R NEARES	T REPRE	SENTATIVI	E DAY.		Per
INDUSTRY AND CITY.	num- ber em- ployed during year.	Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber.	cent mini- mum is of maxi- mum.
BAY CITY Males Females	5,057 3,995 1,062	5,036 4,037 999	4, 956 3, 926 1, 030	4, 902 3, 904 998	4, 983 3, 950 1, 033	4, 762 3, 829 <i>935</i>	4, 983 4, 009 974	5, 130 4, 112 1, 018	4, <i>305</i> <i>3,159</i> 1,146	4, 362 <i>3, 159</i> 1, 203	5, 590 4, 340 1, 250	5,548 4,485 1,063	6,127 5,030 1,097	70.3 62.8 74.6
BENTON HARBOR. Males. Females.	2.038	2, 433 2, 166 267	2,253 2,030 223	2, 201 1, 980 221	2, 174 1, 967 207	2,092 1,879 213	2,354 1,867 487	2,375 2,056 319	2, 264 2, 009 255	2, 380 2, 040 340	2, 439 2, 057 382	2, 464 2, 173 291	2,507 2,232 275	83.4 83.6 42.5
DETROIT Males Females	167, 016 145, 565 21, 451	154, 228 132, 821 21, 407	$153,741 \\ 133,256 \\ 20,485$	151,248 131,083 20,165	152, 357 132, 224 20, 133	155, 860 135, 415 20, 445	158, 252 138, 266 <i>19, 986</i>	167,756 146,659 21,097	175, 163 153, 791 21, 372	$181,300\\158,650\\22,650$	185, 542 162, 250 23, 292	185, 910 162, 236 23, 674	182,835 160,129 22,706	81.4 80.8 84.4
ESCANABA Males Females	842 638 204	873 653 220	882 655 227	873 643 230	869 652 217	857 640 217	811 620 191	799 620 179	774 608 166	811 623 188	839 638 201	850 046 204	866 658 208	87.8 92.4 72.2
FLINT. Males. Females.	24, 603 22, 198 2, 405	18,356 · 16,364 1,002	20, 161 18, 155 2, 006	21, 174 18, 995 2, 179	22,430 20,049 2,381	$24,113 \\ 21,656 \\ 2,457$	25, 214 22, 717 2, 497	25,782 23,231 2,551	27,335 24,771 2,564	$27,244 \\ 24,648 \\ 2,596$	$26,688 \\ 24,087 \\ 2,601$	27, 325 24, 670 2, 655	29, 414 27, 033 2, 381	62.4 60.5 75.0
GRAND RAPIDS Males Femalés	$28,548 \\ 19,305 \\ 4,243$	20, 734 17, 015 3, 709	$21,044 \\ 17,324 \\ 3,720$	21,326 17,627 3,699	21,687 17,830 3,857	21, 749 17, 857 3, 892	22, 676 18, 520 4, 156	23, 923 19, 510 4, 413	24, 898 20, 193 4, 705	$25,183 \\ 20,576 \\ 4,607$	25, 985 21, 166 4, 819	26,463 21,783 4,680	26, 918 22, 259 4, 659	77.0 76.4 76.8
HOLLAND	2,748 2,268 480	2, 432 1, 989 443	2, 477 2, 028 449	2, 493 2, 052 441	2, 456 2, 049 407	2,507 2,101 406	2,746 2,264 482	2, 870 2, 376 494	3,036 2,521 515	3,089 2,527 562	2, 964 2, 372 592	2,916 2,427 489	$2,990 \\ 2,510 \\ 480$	78, 7 78, 7 68, 6
IRONWOOD. Males. Females.	399 385 14	406 393 13	409 399 <i>10</i>	419 409 10	281 267 14	271 267 14	405 389 16	420 405 15	412 398 14	439 425 14	450 436 14	425 408 17	451 434 17	60.1 58.9 58.8
Ishpeming. Males. Females	107 100 7	74 70 4	61 57 4	63 59 4	66 62 4	74 70 4	75 71 4	78 73 5	152 144 8	162 155 7	164 149 15	159 146 13	$\begin{array}{c} 156\\ 144\\ 12\end{array}$	37, 2 36, 8 26, 7
JACKSON	9,620 8,132 1,488	8,145 6,834 1,311	8,491 7,135 1,356	8,889 7,494 1,395	9,015 7,590 1,425	8, 802 7, 412 1, 390	9, 194 7, 741 1, 453	9, 596 8, 107 1, 489	10, 316 8, 758 1, 558	10, 359 8, 797 1, 562	$10,782 \\ 9,141 \\ 1,641$	11, 075 9, 415 1, 660	10,776 9,160 1,616	73.5 72.6 79.0
KALAMAZOO Males Females	7,629 5,952 1,677	7, 229 5, 566 1, 663	7,299 5,659 1,640	$7,229 \\ 5,618 \\ 1,611$	7,268 5,631 1,637	7,080 5,499 1,581	7,230 5,638 1,592	7,577 5,915 1,662	7, 819 6, 147 1, 672	$7,888 \\ 6,272 \\ 1,616$	8, 178 6, 477 1, 701	8, 027 6, 166 1, 861	8,724 6,836 1,888	81, 2 80, 4 83, 7
LANSING Males Females	12, 349 11, 376 973	-10, 185 9, 384 801	10, 951 10, 107 844	11, 550 10, 605 945	11,725 10,745 980	$\substack{12,115\\11,052\\1,063}$	12, 593 11, 502 1, 091	13, 098 11, 991 1, 107	13, 194 12, 128 1, 066	12,676 11,762 914	$^{13,622}_{12,688}_{034}$	13, 712 12, 755 957	12,767 11,793 974	74.3 73.6 72.4
MARQUETTE	1,415 1,382 33	1, 439 1, 403 36	$1,437 \\ 1,404 \\ 33$	$1,421 \\ 1,388 \\ 33$	1,417 1,384 33	1, 469 1, 435 34	1,266 1,239 27	1,409 1,382 £7	1,418 1,391 <i>2</i> 7	$1,373 \\ 1,341 \\ 32$	1,427 1,300 37	1,438 1,401 37	1,466 1,426 40	86, 2 86, 3 67, 5
MONROE Males Females	2,904 1,829 1,075	2,678 1,656 1,022	2,692 1,651 1,041	2,699 1,689 1,010	2,746 1,720 1,026	2, 845 1, 795 1, 050	2, 875 1, 814 1, 061	2,988 1,914 1,074	2,096 1,935 1,061	3, 073 1, 933 1, 140	8,030 1,913 1,117	3,091 1,930 1,152	3,135 1,989 1,146	85.4 83.0 87.7
MUSKEGON Males. Females.	9,716 8,271 1,445	9,651 8,106 1,545	8,976 7,617 1,359	8, <i>669</i> 7, <i>379</i> 1,290	8,872 7,630 1,243	9,063 7,810 1,253	9,401 7,995 1,406	9, 624 8, 265 1, 359	$\begin{array}{c} 10,147\\ 8,618\\ 1,529 \end{array}$	10,211 8,699 1,512	$10,254 \\ 8,692 \\ 1,502$	10, 731 9, 083 1, 648	10,993 9,358 1,635	78.9 78.9 75.4
Owosso Males. Females	1,781 1,604 .177	1, 820 1, 678 142	1,488 1,350 138	${ \begin{smallmatrix} 1,579\\ 1,432\\ 147 \end{smallmatrix} }$	$1,659 \\ 1,488 \\ 171$	$1,671 \\ 1,505 \\ 166$	1,739 1,565 174	1,775 1,595 180	$1,818 \\ 1,636 \\ 182$	1,804 1,613 191	1, 856 1, 651 205	2,042 1,826 216	2, 121 1, 909 212	70, 2 70, 7 63, 9
PONTIAC Males.	7,682 7,071 611	5,622 5,120 503	5,919 5,396 523	6, 817 6, 256 561	6, 824 6, 224 600	7,042 6,440 602	7, 278 6, 680 598	8,028 7,414 614	8,388 7,713 675	8, 830 8, 164 666	8,978 8,339 639	9,345 8,676 669	0,118 8,430 683	60. 2 59. 0 73. 5
PORT HURON Males. Females.	2,231 1,896 335	1,717 1,385 332	1,771 1,400 - 311	1, 847 1, 544 303	1, 850 1, 650 <i>300</i>	2,047 1,742 305	2,303 2,002 301	2, 417 2, 099 318	2, 345 2, 015 330	2, 683 2, 356 327	2,767 2,395 372	2, 535 2, 135 400	2,300 1,969 421	62. 1 57. 8 71. 3
SAGINAW	9,472 7,834 1,638	7, <i>990</i> 6,429 1,561		8,093 6,678 1,415	8, 294 6, 029 1, 365	8,742 7,327 1,415	9,029 7,509 1,520	9,748 8,070 1,678	10,085 8,291 1,794	10, 288 8, 465 1, 823	$10,711 \\ 8,850 \\ 1,861$	11, 379 9, 448 1, 931	11,282 9,380 1,803	70. 2 68. 0 70. 7
SAULT STE. MARIE Males Females	1,248 1,152 96	1, 182 1, 099 <i>83</i>	1,221 1,131 90	1,170 1,086 84	1, 187 1, 093 94	1,236 1,139 97	1,270 1,171 99	1, 254 1, 159 95	1,248 1,153 95	1, 278 1, 185 93	1,298 1,197 101	1,325 1,216 109	1,307 1,195 112	88.3 89.3 74.1
TRAVERSE CITY	960 760 200	843 664 179	874 681 193	880 702 178	874 706 168	883 710 173	900 719 181	942 710 232	1,025 793 232	1,074 839 285	1,055 848 207	1,094 882 212	1,076 866 210	77.1 75.3 71,5
WYANDOTTE Males. Females.	6, 214 5, 962 252	6, 957 6, 660 297	6, 953 6, 686 267	6,539 6,324 215	6, 558 6, 369 <i>189</i>	6,547 6,348 199	6,605 6,386 219	4,729 4,475 254	5, 132 4, 898 234	5,909 5,627 282	6,065 5,782 283	6, 071 5, 775 296	$ \begin{array}{c} 6,503 \\ 6,214 \\ 289 \end{array} $	08. 0 66. 9 63. 6
ALL OTHER CITIES ¹ Males Females	64, 629 63, 271 1, 358	50, 186 48, 847 1, 339	50, 211 49, 058 1, 163	52, 353 51, 197 1, 156	57, 820 56, 599 1, 221	62,039 60,830 1,209	66, 635 65, 326 1, 309	69, 820 68, 574 1, 246	70, 580 69, 171 1, 409	73, 856 72, 337 1, 519	74, 329 72, 750 1, 579	74, 426 72, 850 1, 576	73, 293 71, 713 1, 580	67. 4 67. 1 73. 0

¹ All other cities comprise Hamtramck and Highland Park.

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

			IN ESTAB	LISHMENTS	WHERE TI	ie preval	ING HOUR	S OF LABOR	l PER WEE	K WERE-
INDUSTRY AND CITY.	Census year.	Total.	44 and under.	Between 44 and 48	48, 1	Between 48 and 54	54.	Between 54 and 60.	60.	Over 60.
All industries	1919 1914 1909	471, 242 271, 090 231, 499	8,654 (²) (²)	8, 234 (2) (2)	148, 486 31, 326 11, 174	166, 318 31, 353 6, 612	48, 624 57, 614 38, 449	51, 744 75, 878 51, 552	33, 281 64, 861 113, 762	5, 901 10, 058 9, 950
Agricultural implements.	. 1919 1914	2,708 2,143	(2)	(2)	2 199	219 411	120 788	2,266	101	
Automobile bodies and parts.	1919 1914	49,048 24,736	198 (²)		18,717	20,920 2,127	2, 805 2, 557	4, 176	323 3,224	
Automobiles	$1919 \\ 1914$	126, 937 42, 802	526 (2)	(2)	59, 573 12, 376	58,559 7,232	7,043 971	1, 196	40	
Boxes, paper and other, not elsewhere specified	1919 1914	2,336 1,461	(2)	(2)	874 36	635	448	16, 908 355	5,315 24 230	
Brass, bronze, and copper products	1919 1914	10,306 4,731	497	524	26	75 5,834	213 124	907 2, 924 1, 977	377	
Bread and other bakery products	1914 1919 1914	5.088	(2) 	(²) 324	14 1,138	143 668	1, 360 1, 944	89	1,237 447	
Canning and preserving, fruits and vegetables	1919	4,014 2,109 1,687	(³) 23	(²)	425 156	561	1, 394 201	598 273	966 958	70 -198
Cars and general shop construction and repairs by steam-railroad	1914 1919	1,687 7,025 5,803	(2)	⁽²⁾ 57	24 6, 194	6 206	522 42	311 452	795 74	29
companies. Chemicals.	1914 1919	5,712	(2)	(2)	382	1,589 719	3, 198 117	67 2,609	553 479	14 48
Druggists' preparations	1914 1919	4,509 3,219 2,175	(²) 40	(²) 2,631	29	18 422	20 18	2, 040 60	1,741	661
Electrical machinery, apparatus, and supplies	1914 1919	4, 190	16	47	453	1,925 2,461	183 370	66 515	1 128	200
Engines, steam, gas, and water	1914 1919	1,144	(²) 390	(2)	73 3,208	118 4,013	471 917	277 5,716	205 14	
Food preparations, not elsewhere specified	1914 1919	14, 258 4, 427 2, 483	5		87	97 135	1,547	2,267 62	516 1,948	221
Foundry and machine-shop products ³	1914 1919	2,483 1,683 42,745	(2)	(2)	553 4,963	67	25 122 5,316	61	2,666	83
Furniture	1914 1919	42,745 17,608 18,496	1,257 (⁴) 41	(²) 38	4, 505 670 210	18,802 1,766	4,637	9,726 8,727	1,808	· · · · · · · · · · · · · · · · · · ·
Gas, illuminating and heating.	1914 1919	14,706	(2) 41	(2)	645	· 12,339 2,080	3,282 5,502	2,416 2,344	170 4,135	
	1914	2, 840 2, 349		3	1,203	5	6 109	667 967	852 270	110 1,003
Hardware.	1919 1914	2,174 742	(2)	(8)	381 1	1,194 129	557 168	$ \begin{array}{c} 24 \\ 358 \end{array} $	18 86	
Knit goods.	1919 1914	3, 170 2, 714	(²) ³⁴	(²) ¹³	921 26	1,431 201	771 2,315	172	·····	
Leather, tanned, curried, and finished	1919 1914	3,464 2,773	•••••••••••••••	••••••••••••••••••••••••••••••••••••••	674	1,021 11	1,641 972	563	128 1,227	
Lumber and timber products.	1919 1914	14, 923 21, 488	(²) ²⁸	6 (2)	168 84	133 547	337 427	808 325	13,443 20,105	
Lumber, planing-mill products, not including planing mills con- nected with sawmills.	1919 1914	5,256 4,944	260 (2)	(2)	23 171	1,396 314	814 1,470	1,676 1,256	1,087 1,704	29
Paper and wood pulp	1919 1914	9, 561 6, 051			5,310	1,904 278	2,011 1,016	226 623	9 1,482.	101 2,652
Printing and publishing, book and job	1919 1914	3, 717 3, 860	(²) 42	(²) 36	3, 277 2, 748	297 555	42 500	$\begin{array}{c}1\\32\end{array}$	20 25	2
Printing and publishing, newspapers and periodicals	191^ 1914	3,176 3,270	(²) ¹³³	(²) 87	2, 295 2, 059	202 209	296 682	57 190	105 106	1
Rubber tires, tubes, and rubber goods, not elsewhere specified 4	1919	5,044	17		4,845	48	2	132		•••••
Salt	1919 1914	2,063 1,434	(^g)	(²) 2	541 12		411 40	587 565	428 536	94 281
Bhipbuilding, steel, new vessels and small boats.	1919 1914	15, 996 935	(¹)	(²)	15,9 9 4 89		659	2	187	
Stoves and hot-air furnaces	1919 1914	4, 240 3, 832	(²)	201 (²)	67 5	1,611 724	1,569 2,209	692 275	100 619	•••••
Structural ironwork, not made in steel works or rolling mills	1919 1914	2, 313 1, 371		(²)	265 156	1,016 47	102 304	764 848	166 16	
Fobacco, cigars and cigarettes	1919 1914	5,456 7,295	⁸⁸⁴ (²)	530 (²)	796 3,466	1, 185 1, 751	2,002 2,049	4 6	55 23	
Tools, not elsewhere specified	1919 1914	3, 261 372	(²) ⁶⁶	(²) ³⁸	188 1	2,566	193 39	207 288	3 43	
Wirework, not elsewhere specified	1919 1914	2, 516 1, 314	(2) 78	(1)	416	563 12	245 129	1,080 701	43 469	91
All other industries	1919 1914	85, 406 72, 717	3,696 (²)	1,770 (²)	13,764 6,991	25, 814 8, 359	14,853 21,041	11,982 15,008	9,047 16,106	4, 480 5, 212
¹ Includes 48 and under for 1914 and 1909.	1015 1		"iron and	steel, tem	-					غاغ رب

¹ Includes 48 and under for 1914 and 1909.
 ² Corresponding figures not available.

Includes "iron and steel, tempering and welding" and "machine tools.
 Not shown separately in 1914.

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

]	IN ESTAB	LISHMENTS	WHERE T	HE PREVAI	LING HOUR	S OF LABO	R PER WEE	EK WERE-
INDUSTRY AND CITY.	Census year.	Total.	44 and under.	Between 44 and 48	1 48 1	Between 48 and 54	E4	Between 54 and 60		Over 60.
Total for cities	1919 1914	376, 032 177, 605	7,405 (²)	7,935	122, 704 16, 389	153, 330 28, 851	87, 412 45, 136	35, 310 57, 509	10, 546 26, 619	1, 390 3, 101
Adrian	1919 1914	1,870 1,256	2 (2)	(2)	26 28	379 31	356 179	817 279	282	
Alpena	1919 1914	1, 372 1, 494	(2)	(2)	. 348 33	30	77	423 310	494	
Ann Arbor	1919 1914	1,612 842	(2) 78	(²) 10	118 189	417	272 237	697 316	16 80	4
BATTLE CREEK	1919 1914	6, 680 4, 599	(²) 40	(2) 31	733 870	185 492	423 1,478	3,003 709	2,051 1,042	214
Вач Сггч.	1919 1914	5,057 3,771	(2) 69	(2) 20	1, 944 237	882 184	497 1,249	760	883 1,462	2 142
BENTON HARBOR.	1919 1914	2, 328 1, 285	(²)	(2) 2	196 11	3 19	550 133	1, 307 564	228	33
Detroit	1919 1914	167, 016 99, 603	5, 460 (²)	7,019 (²)	53, 344 9, 702	71, 132 20, 735	12,788 20,248	15, 159 35, 419	1,547 12,804	567
Escanaba	1919 1914	842 777	(2)	(2)	264 67	9 12	287 224	30 343	214 127	3
FLINT.	1919 1914	24, 603 8, 722	(2) 76	(2)	181 157	22, 597 341	597 406	709 7,588	439	4
GRAND RAFIDS	1919 1914	23, 548 17, 427	323 (2)	445 (²)	4,338	15,448 2,484	1,867 9,048	936 1,997	177	104
HOLLAND		2,748 2,165	(²)	(²)	223 232	2, 404 826 27	967 939	619 409	1,911	266 88 68
IRONWOOD		399 516	(⁴)	(2)	232 23 7	6	19 10	409	490 350	10
ISHPEMING	1919 1914	107 79	(*)	(2) (2)	17 14	3	58	13	480 16	10
JACKSON	1919 1914	9,620 4,906	(²)	5	1, 144	5,421	10 928	1, 916 1, 411	52 187	. 6
Каlамаzoo	1914 1919 1914	7, 629 5, 525	(-) 519 (*)	(²) (300)	413 1, 442 251	900 3, 230 682	1, 568 1, 068 2, 392	930	403 125	211 15 237
Lansing	1914 1919 1914	12, 349 6, 231	8	(²) 9	251 350 484	3, 534	7,600	861 670	1, 102 _85	237 93 75
MARQUETTE	1919	1, 415	(²)	(2)	489	2, 175 60	634 35	2, 474 20	389 800	75
Monroe	1914 1919	589 2, 904	(²) 1	(2)	291 1, 922	7 175	02 565	14 120	185 115	6
MUSEEGON	. 1919 1914	9, 716 4, 646	345 (^a)	(²) 3	716 581	228 301	3, 777 2, 587	4, 239 378	296 444	112 355
Owosso		1, 781 1, 231	(2)	(2)	72 70	25	506 71	952 345	71 625	155 120
PONTIAC		7, 682 2, 409	(²) 6	(2)	2, 540 58	4, 473 14	20 257	74 1,785	527 214	33 81
PORT HURON	1919 1914	2, 231 1, 296	290 (²)	21 (²)	957 279	144 185	155 185	507 91	144 327	13 229
SAGINAW	- 1919 1914	9, 472 6, 342	110 (²)	(²) 52	1,905	4, 251 236	1, 913 2, 982	879 580	343	19 164
SAULT STE. MARIE.	. 1919 1914	1, 248 938	(²)	(²)	28 33	692 2	448 124	15	1,707 50	2
TRAVERSE CITY	1919	960 956	(²)	(2)	101	89	167	592 279	178 324	9
WYANDOTTE	. 1919	6, 214	2	(-) 	54 5, 037	6 662	41 23	561 22	290 468	4
ALL OTHER CITIES ³	- 1919	64, 629	13	6	44, 246	18, 432	1, 440	202	290	

I Includes 48 and under for 1914 and 1909.

² Corresponding figures not available.

³ All other cities comprise Hamtramck and Highland Park.

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

	то	TAL.			· · · ·		<u></u>		ESTABL	ISHME	NTS EM	PLOY	ING				•:		
INDUSTRY AND CITY.	ents.	earners number).	No wage earn- ers.	1 t wa earr inclu	ige iers,	ear	o 20 age ners, 1sive.	wear	to 50 ago ners, usive.	ear	to 100 age ners, usive.	w ear	to 250 age ners, usive.	ear	to 500 age ners, usive.	eau	to 1,000 vage rners, lusive.		er 1,000 vage rners.
	Establishments.	Wage es (average n	Establish- ments.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.
	8,305	471,242	1,085	3,809	8, 573	1,494	16,748	747	25,050	456	33,945	414	66,285	167	57,771	78	53, 182	55	209,688
Agricultural implements. Automob le bodies and parts. Automobiles. Boxes, paper and other, not elsewhere spec- ified.	23 203 68	2,708 49,048 126,937	9 1	6 48 4	19 104 10	4 39 7	59 470 88	6 21 13	234 694 459	3 26 8	202 2,088 614	$\begin{smallmatrix}1\\20\\11\end{smallmatrix}$	208 3,210 1,857	2 17 5	944 6,170 1,491	$\frac{13}{2}$	9,329 1,751	1 10 17	1,042 26,983 120,667
ified. Brass, bronze, and copper products.	22 80	2,336 10,306	$\frac{1}{2}$	14	39	6 23	86 281	12^{5}	185 397	5 9	334 649	3 5	591 862		294 3,114	1 5	846 3,432	1	1,532
Bread and other bakery products Canning and preserving, fruits and vegetables. Cars and general shop construction and re- pairs by steam-railroad companies	944 52 36	5,088 2,109 7,025	190 1	606 8 2	1,306 28 2	112 16 4	1,040 205 42	23 15 7	758 515 202	6 6 10	427 467 761	4 6 6	659 894 987	3	898 	 5	3,616	 	1,004
Chemicals	36	7,025 5,712	5	14	25	4	64	7	223	1	90			1	340	ĭ	692	3	4,278
Druggists' preparations. Electrical machinery, apparatus, and supplies. Engines, steam, gas, and water Food preparations, not elsewhere specified Foundry and machine-shop products	16 54 35 37 523	3, 219 4, 190 14, 258 2, 483 39, 430	3 2 1 5 23	$ \begin{array}{r} 1 \\ 5 \\ 5 \\ 17 \\ 143 \end{array} $	$ \begin{array}{c} 2 \\ 42 \\ 18 \\ 32 \\ 385 \end{array} $	5 13 3 6 102	54 171 46 47 1,194	2 6 6 4 107	50 254 215 142 3,565	3 7 6 2 52	196 573 483 152 3,715	8 7 1 55	1,250 1,315 213 8,790	$ \begin{array}{c} 1 \\ 2 \\ 2 \\ \\ 27 \end{array} $	286 658 854 9,370	1 1 10	700 771 6, 549	1 4 1 4	2,631 1,242 10,627 1,126 5,862
Furniture Gas, illuminating and heating Hardware Kuit goods	171 59 30 31 28	18, 496 2, 846 2, 174 3, 170	4 1 1	21 15 7 3	62 59 15 6	27 26 5 7	357 278 48 93	32 7 5 6	$1,051 \\ 220 \\ 129 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 224 \\ 226 \\ 22$	36 5 7 7	2,767 352 562 554	33 5 4 3	5,340 748 672 432	10 2 2 2	3,601 748 826	8	5, 318 1, 035	1	1,189
Leather, tanned, curried, and finished	1	3,464 14,923	19	176	389	2 87	18 1,005	3 38	95 1,310	8 29	611 2,170	12 25	2,010	2 12	730 3,694	4	2,565		
Lumber and timber products. Lumber, planing-mill products, not including planing mills connected with sawmills. Machine tools. Paper and wood pulp. Printing and publishing, book and job.	192 31 39 436	5,256 3,196 9,561 3,717	6 	74 3 2 203	186 10 6 470	55 7 3 92	673 81 23 961	31 4 2 31	1,066 144 63 1,000	12 8 4 16	878 590 280 1,110	11 7 13 1	1,624 1,005 2,305 176	. 3 11	829 3,718	23	1,366 2,036	1	1,130
Printing and publishing, newspapers and periodicals Rubber tires, tubes, and rubber goods, not elsowhere specified.	565	3,176	141	320	691	78	832 25	20	649 47	3	223	2	379 124	1.1 1.1	402			1	
elsowhere specified Salt. Shipbuilding, steel, new vossels and small boats. Stoves and hot-air furnaces.	12 7 21	5,044 2,063 15,996 4,240		2 1 1 3	3 2 11			1 5	176	4	326 84 250	1 4 6	662 1,020	3	1,072		2,783	5	4,845 15,910
Structural ironwork, not made in steel works or rolling mills. Tobacco, cigars and cigarettes. Tools, not elsewhere specified. Wirowork, not elsewhere specified. All other industries.		2, 313 5, 456 3, 261 2, 516 85, 525	1 116 4 466	5 153 24 12 1,901	16 315 76 34 4,207	$ \begin{array}{r} 14 \\ 42 \\ 23 \\ 6 \\ 674 \\ \end{array} $	143 429 317 66 7,552	7 14 28 9 270	226 471 992 360 8,934	1 9 7 4 148	77 669 478 325 10,888	4 9 1 4 142	741 1,310 120 782 22,208	1 5 	368 1,754 949 14,250	$1 \\ 1 \\ 2 \\ 12$	742 508 1,278		9,620
Total for cities	4,792	376,032	576	1,855	4, 591	1,051	11,830	520	17,245	293	21, 541	265	43, 227	120	41,553	65	44, 535	47	191, 510
ADRIAN. ALPENA. ANN ARBOR. BATTLE CREEK. BAY CITY.	62 38 78 118 108	$1,870 \\ 1,372 \\ 1,612 \\ 6,680 \\ 5,057$	$ \begin{array}{r} 13 \\ 8 \\ 24 \\ 18 \\ 14 \end{array} $	$ \begin{array}{r} 22 \\ 11 \\ 28 \\ 53 \\ 36 \end{array} $	$ \begin{array}{r} 61 \\ 24 \\ 61 \\ 126 \\ 100 \end{array} $	9 8 16 21 24	108 92 212 238 276	8 6 4 10 12	263 179 135 332 415	4 3 9	289 260 196 666	5 3 6 10	817 857 1,155 1,596	1 2 1 3 1	332 720 349 1,118 281	 1 2 1	595 1,347 521	 2 1	2,168 1,202
BENTON HARBOR DETROIT ESCANABA FLINT GRAND RAPIDS	45 107 611	2, 328 167, 016 842 24, 603 23, 548	9 251 2 14 90	$24 \\ 770 \\ 26 \\ 42 \\ 240$	46 1,895 60 124 580	15 504 12 30 117	172 5,716 98 299 1,393	4 280 1 6 63	110 9,219 23 222 2,036	8 133 2 4 51	554 9,715 140 283 8,783	2 123 1 3 27	288 19,590 234 476 4,588	2 56 1 4 14	$\begin{array}{r} 603 \\ 19,097 \\ 287 \\ 1,435 \\ 5,087 \end{array}$		555 24, 194 6, 081	23 4	77,590
HOLLAND. IRONWOOD. ISHPEMING JACKSON. KALAMAZOO	28 21 156	2,748 399 107 9,620 7,629	5 6 8 20	24 14 16 70 71	61 37 35 186 176	8 7 4 37 47	73 60 27 428 543	14 1 17 14	489 45 588 521	3 	207 608 840	9 7 16	1,528 1,166 3,035	1 1 3 4	390 302 1,168 1,384	4	2,648	 2 1	2,828 1,130
LANSING MARQUETTE. MONROE MUSKEGON.	141	12, 349 1, 415 2, 904 9, 716	9 2 3 23	62 13 20 61	151 28 54 139	41 7 5 19	465 86 50 226	$12 \\ 4 \\ 5 \\ 12$	434 96 184 423	8 1 4 11	661 69 303 792	5 6 1 7	884 854 250 1,090	6 1 1 5	2,111 282 400 1,715	2 1	1,766 1,663 513	2 2	5,877 4,818
OWOSSO PONTIAC. PORT HURON SAGINAW.	. 83	1,781 7,682 2,231 9,472	6 5 14 17	17 40 39 86	48 98 108 218	6 17 11 50	64 165 108 574	3 6 9 19	109 203 269 647	$\begin{array}{c}1\\2\\4\\12\end{array}$	61 186 270 945	4 3 4 19	568 409 680 2,992	3 1 2 1	931 315 796 438	2	1,734 1,260	2	4, 572 2, 398
SAULT STE. MARIE. TRAVERSE CITY, WYANDOTTE ALL OTHER CITIES ¹	. 26	$\substack{1,248\\960\\6,214\\64,629}$	2 1 3 9	14 27 12 17	43 70 23 39	6 15 3 12	56 149 37 115	1 7 2	32 215 56	1 6 1 1	60 526 67 60	3 1	471 199	1 2 3	366 650 996	1 1 1	691 967	2 4	4,966 62,197

¹ All other cities comprise Hamtramck and Highland Park.

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

					<u></u>			[]			:							
VALUE OF PRODUCT.			BER O SHME			RAGE NU)F		VAL	UE OF I	RODUCTS.			VALUE AD	DED BY MANU	FACTURI	Е.
	1919	1	914	1909	1919	191	19	09	1919		191	4	1909		1919	1914	19	09
All classes	8, 305	8,	, 724	9, 159	471,24	2 271,0			3, 466, 188		· · · · · · · · · · · · · · · · · · ·		85, 109, 16		46, 945, 240	\$493, 361, 368		497, 147
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	1, 539 2, 278 2, 361 1, 341 327 459	2	, 976 , 566 , 914 , 933 , 175 , 160	$\left. \begin{array}{c} 3,372\\ 2,665\\ 1,999\\ 1,035\\ 88 \end{array} \right\}$	91 5,54 20,71 { 61,76 43,25 339,04	$\begin{bmatrix} 5 & 10, 5 \\ 0 & 30, 0 \\ 5 \\ 8 \end{bmatrix}$ $\begin{bmatrix} 10, 2 \\ 30, 2 \\ 117, 2 \end{bmatrix}$	56 12, 78 35, 27 123,		3,960 24,871 109,296 306,923 232,661 2,788,475	,038 ,336 ,542 ,055	7, 2 26, 7 87, 7 206, 5 123, 3 634, 4	98, 783 } 70, 371 } 8	7, 821, 32 27, 383, 33 90, 330, 11 01, 233, 30 58, 341, 09	$ \begin{bmatrix} 8 \\ 0 \\ 5 \\ 6 \\ 6 \\ 1, 2 $	2, 444, 262 13, 464, 814 51, 878, 594 50, 101, 597 12, 651, 519 16, 404, 454	$\left.\begin{array}{c}4,561,300\\14,339,662\\40,538,674\\157,753,189\\276,168,543\end{array}\right.$	41, (914, 568 559, 126 918, 104 842, 096 263, 253
· · ·						17	· .		PER	CENT	DISTRIB	UTION.						
All classes	100.0	10	00.0	100. 0	100.	0 100	0 10	0.0	1(00.0		100.0	100.	o	100.0	100.0		100, 0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$100,000 \$100,000 to \$50,000 \$1,000,000 and over	18.5 27.4 28.4 16.2 3.9 5.5		34.1 29.4 21.9 10.7 2.0 1,8	36, 8 29, 1 21, 8 11, 3 1, 0	$\begin{cases} 0. \\ 1. \\ 4. \\ 13. \\ 9. \\ 71. \end{cases}$	$\begin{pmatrix} 2 & 3, \\ 4 & 11, \\ 1, \\ 2 \end{pmatrix}$ 43.	$ \begin{array}{c} 9 \\ 1 \\ 2 \\ 5 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	 	0.1 0.7 3.2 8.9 6.7 80.4	2017 - 1 1 - 1 - 1 1 - 1 - 1 1 - 1 - 1 1 - 1	$\left.\begin{array}{c} 0.7\\ 2.5\\ 8.1\\ 19.0\\ 11.4\\ 58.4 \end{array}\right\}$	1, 4, 13, 44, 37,	22 22 23	0.2 0.9 3.3 9.7 7.3 78.6	0, 9 2, 9 8, 2 32, 0 50, 0		1.6 4.6 13.2 46.4 34.2
TABLE 12SIZE	OF F	CST.	ABL	ISHM	ENTS	, BY	VALU	E OI	F PRO	DUC	TS, F	TOR SE	LECTE	D IN	DUSTRI	ES: 1919	AND	1914.
		Е		IBER OF			RAGE N WAGE EA				VA.	LUE OF PRO	ducts.		VALUE	ADDED BY MA	NUFACTI	URE.
INDUSTRY AND VALUE PRODUCT.		1919	1914	Per distrib		1919	1914		r cent ibution.	1	919	1914	Per distril	cent ution.	1919	1914	Per o distrib	
n politika serietak Referencia				1919	1914		1 1 1	1919	1914		· · ·		1919	1914			1919	1914
AUTOMOBILE BODIES		203	140	100.0	100. 0	49,048	24, 736	100.0	100.0	\$ 288,	306, 858	\$ 71, 540, 07'	7 100.0	100.0	\$ 137,744,41	6 \$33, 146, 818	100, 0	100.0
Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$500,000. \$500,000 to \$1,000,000. \$1,000,000 and over		15 35 49 43 11 50	$ \begin{array}{r} 17 \\ 19 \\ 29 \\ 41 \\ 14 \\ 20 \\ \end{array} $	7.4 17.2 24.1 21.2 5.4 24.6	$12.1 \\ 13.6 \\ 20.7 \\ 29.3 \\ 10.0 \\ 14.3$	15 82 611 2, 820 1, 443 44, 077	21 85 676 2 7, 313 16, 641	$ \begin{array}{c} (1) \\ 0.2 \\ 1.2 \\ 5.7 \\ 2.9 \\ 89.9 \end{array} $	$2.7 \\ 29.6$	2, 10, 7,	40, 755 344, 792 416, 890 218, 891 308, 239 977, 291	49, 29 213, 98 1, 774, 73 9, 024, 15 10, 060, 02 50, 417, 88	0.8 3.5 5 2.5	0.1 0.3 2.5 12,6 14.1 70.5	$\begin{array}{r} 11,86'\\229,58(\\1,549,95'\\5,763,09'\\3,325,31'\\126,864,59'\end{array}$	6 131, 642 2 1, 033, 860 7 2 9, 291, 442 7	(1) 0.2 1.1 4.2 2.4 92.1	0.1 04 3.1 28.0 68.4
AUTOMOBILES	1=	68	65	100.0	100.0	126, 937	42,802	100.0		1,332,		326, 748, 94		100.0	522, 871, 50		100.0	100.0
Less than \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,002 \$500,000 to \$1,000,000 \$1,000,000 and over		4 5 16 5 38	8 17 210 	5.9 7.4 23.5 7.4 55.9	12. 326. 215. 446. 2	7 41 649 373 125, 867	64 207 2 479 42,052	(1) (1) 0, 5 0, 3 09, 2		4,2	56, 569 275, 515 232, 927 16, 158 295,329	154, 11, 892, 08 2 3, 693, 08 322, 009, 65	$\begin{pmatrix} 1 \\ 0.3 \\ 0.3 \\ 0.3 \\ \end{bmatrix}$	(1) 0, 3 1, 1 98, 5	$\begin{array}{r} 24,500\\ 145,102\\ 1,775,511\\ 1,055,984\\ 519,870,352\end{array}$	2 328, 509 1 897, 474 4	(1) 0,3 0,2 99,4	(1) 0.2 0.6 99.1
BRASS, BRONZE, AND PER PRODUCTS	COP-	80	64	100. 0	100. 0	10, 306	4, 731	100.0	100.0	62, 7	08, 335	16, 868, 72	100.0	100.0	23, 859, 35	7 5, 395, 258	100.0	100.0
Less than \$5,000 \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$500,000. \$500,000 to \$51,000,000 \$1,000,000 and over	•••••	4 25 23 8 14	13 12 19 *17 	5.0 7.5 31.2 28.8 10.0 17.5	20. 3 18. 8 29. 7 26. 6 4. 7	4 15 240 1,341 1,219 7,487	17 55 415 2,510 1,784	(¹) 0.1 2.3 13.0 11.8 72.7	8, 8 53, 0	4,1	12,966 77,330 50,390 43,450 59,642 564,557	40, 67/ 126, 48 1, 000, 85 2 5, 828, 77 9, 871, 94	0.1 2.2 7.9 9.0	0. 2 0. 7 5. 9 34. 6 58. 5	0, 368 39, 253 672, 376 2, 544, 236 2, 688, 577 17, 905, 556	2 67 420	$(1) \\ 0.2 \\ 2.8 \\ 10.7 \\ 11.3 \\ 75.0$	0.4 1.2 9.8 53.6 34.9
BREAD AND OTHER ERY PRODUCTS	•••••	944	922	100. 0	100. 0	5, 088	4,014	100.0	100.0	44, (23, 454	16, 000, 068		100.0	16, 807, 66	5 6, 691, 971	100.0	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000. \$100,000 to \$500,000 \$500,000 to \$51,000,000 \$1,000,000 and over		108 422 349 2 57 8	311 474 118 14 5	11, 4 44, 7 37, 0 6, 0 0, 8	33.7 51.4 12.8 1.5 0.5	20 500 1, 466 2 1, 522 1, 580	209 1, 164 1, 207 ⁸ 1, 434	0.4 9.8 28.8 29.9 31.1	29. 0 30. 1 35. 7	4, 9 13, 7 2 12, 1	16, 168 93, 088 28, 983 516, 291 68, 924	949, 15 4, 632, 098 4, 768, 756 2, 503, 51 4 3, 146, 544	0.7 11.1 30.6 27.9 29.8	5, 9 28, 9 29, 8 15, 6 19, 7	131, 011 1, 784, 664 4, 715, 299 2 4, 691, 729 5, 484, 973	1,974,465 1,880,774 3 2,402,266	0.8 10.6 28.1 27.9 32.6	6,5 29,5 28,1 35,9
BUTTER Less than \$5,000	=	231	270 13	100.0	100.0	984	769	100.0	100.0	33, 8	85,420	13, 479, 29	=	100.0	3, 804, 52		100.0	100.0
\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	••••	5 23 126 71 6 5	66 171 3 20	$10.0 \\ 54.5 \\ 30.7 \\ 2.6 \\ 2.2$	24. 4 63. 3 7. 4	⁵ 14 279 419 113 159	89 425 8 247	$ \begin{array}{r} 1,4\\ 28,4\\ 42,6\\ 11,5\\ 16,2 \end{array} $	$ \begin{array}{r} 11.6 \\ 55.3 \\ 32.1 \\ \end{array} $	7, 2 13, 9	03, 335 57, 408 36, 776 45, 919 81, 982	39,87(920,321 7,566,258 3 4,952,848	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0, 3 6, 8 56, 1 36, 7	⁶ 38, 963 801, 608 1, 516, 773 510, 426 936, 759	7,298 134,080 954,931 715,986	$1.0 \\ 21.1 \\ 39.9 \\ 13.4 \\ 24.6$	0.4 7.4 52.7 39.5
CHEMICALS	. is	36	<u>\$6</u>	100.0	100. 0	5,712	4,509	100.0		37,8	50, 834	13, 891, 414	100.0	100.0	22, 106, 75	7, 517, 930	100.0	100 0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$1,000,000 and over		13 3 29 5	16 4 3 2 8 5	36, 1 8, 3 16, 7 25, 0 13, 9	44, 4 11, 1 8, 3 22, 2 13, 9	6 6 72 2 318 5, 310	21 14 41 325 4,108	0, 1 0, 1 1, 3 5, 6 93, 0	0.3 0.9 7.2	2 3, 4 33, 9	28,973 25,194 06,534 77,438 12,695	32, 480 43, 254 181, 760 2 1, 972, 986 11, 660, 920	0, 1 0, 1 1, 1 9, 2 89, 6	0.2 0.3 1.3 14.2 83.9	16, 942 9, 297 223, 038 2 1, 833, 454 20, 024, 028	1 ² 871.312	0.1 (¹) 1.0 8.3 90.6	$\begin{array}{c} 0.3 \\ 0.2 \\ 1.1 \\ 11.6 \\ 86.8 \end{array}$
ELECTRICAL MACHIN APPARATUS, AND SUM	PLIE9.	54	85	100.0	100. 0	4, 190	1,144	100, 0	100.0	25,0	25, 528	3, 415, 50(100. 0	15, 990, 472	2 1, 675, 952	100. 0	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$51,000,000 \$1,000,000 and over		4 9 15 12 7 7	7 9 811 	7.4 16.7 27.8 22.2 13.0 13.0	20. 0 25. 7 22. 9. 31. 4	2 26 209 595 864 2,494	8 40 161 8 935	(1) 0.6 5.0 14.2 20.6 59.5	14.1 81.7	2,5	73,350	17, 340 95, 000 394, 114 * 2, 908, 950	3.3 10,2 20,7	$0.5 \\ 2.8 \\ 11.5 \\ 85.2$	4,537 56;957 416,268 1,289,140 3,139,654 11,083,907	7 44,552 3 203,027 3 1,418,921	(1) 0.4 2.6 8.1 19.6 60.3	0.6 2.7 12.1 84.7
¹ Less than one-tenth of 1 ² Includes the group ''\$50	per cen 00,000 to	nt. 5 \$1,0	00,000)."	* Includ + Includ		oups "\$5 oup "\$1		•			00,000 and				group "Less		,000,''

Contraction (1988)

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

	E		ABER OF			RAGE N WAGE EA		OF	VAL	UE OF PROI	oucts.		VALUE AD	DED BY MA	NUFACT	URE.
INDUSTRY AND VALUE OF PRODUCT.	1919	1914		cent oution.	1919	1914		cent oution.	1919	1914		cent oution.	1919	1914	Per distril	cent oution.
			1919	1914	1010	1011	1919	1914	1010	1014	1919	1914	1010	LUIT	1919	1914
ENGINES, STEAM, GAS, AND WATER	35	48	100.0	100.0	14, 258	4, 427	100. 0	100.0	\$101, 989, 440	\$12,369,172	100.0	100.0	\$44, 9 38, 747	\$6, 407, 540	100.0	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000. \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	$ \begin{array}{c} 1 \\ 1 \\ 5 \\ 12 \\ 6 \\ 8 \end{array} $	5 10 11 \$ 19 	$ \begin{array}{c} 11.4\\ 14.3\\ 34.3\\ 17.1\\ 22.9 \end{array} $	$ \begin{array}{r} 10.4\\ 20.8\\ 22.9\\ 39.6\\ 6.2 \end{array} $	$ \begin{array}{r} 1 & 9 \\ 87 \\ 762 \\ 974 \\ 12, 426 \end{array} $	3 65 326 326 31,494 2,539	0.1 0.6 5.3 6.8 87.2	0.1 1.5 7.4 33.7 57.4	¹ 27,068 217,285 3,663,968 4,059,521 94,021,598	8,538 113,416 642,875 3 4,319,995 7,284,348	(2) 0,2 3,6 4,0 92,2	0.1 0.9 5.2 34.9 58.9	$\begin{array}{r} & 19,008\\ & 125,322\\ & 1,515,252\\ & 2,516,726\\ & 40,762,439 \end{array}$	4,780 66,551 316,962 32,157,357 3,861,890	(*) 0.3 3.4 5.6 90.7	0.1 1.0 4.9 33.7 60.3
FLOUR-MILL AND GRIST- MILL PRODUCTS	345	427	100.0	100, 0	1,128	1,370	100.0	100.0	44, 144, 434	27, 381, 474	100.0	100. 0	5, 959, 339	4, 082, 303	100.0	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000. \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	$\begin{smallmatrix} 14 \\ 75 \\ 185 \\ 59 \\ 6 \\ 6 \end{smallmatrix}$	45 147 188 39 3 5	$\begin{array}{c} 4,1\\ 21.7\\ 53.6\\ 17.1\\ 1.7\\ 1.7\\ 1.7\end{array}$	10. 5 34. 4 44. 0 9. 1 0. 7 1. 2	$\begin{array}{r} 2\\ 40\\ 278\\ 322\\ 155\\ 331 \end{array}$	27 173 457 8 397 316	0.2 3.6 24.6 28.5 13.7 29.3	$2.0 \\ 12.6 \\ 33.4 \\ 29.0 \\ 23.1$	47, 243 900, 117 8, 508, 510 12, 191, 285 4, 047, 740 18, 449, 539	$\begin{array}{r} 134, 169\\ 1, 714, 408\\ 7, 787, 576\\ 7, 541, 907\\ 1, 730, 062\\ 8, 473, 352\end{array}$	0.1 2.0 19.3 27.6 9.2 41.8	0.5 6.3 28.4 27.5 6.3 30.9	8,829 173,478 1,346,759 1,660,762 529,492 2,240,019	30, 535 344, 991 1, 294, 361 1, 433, 149 979, 267	0.1 2.9 22.6 27.9 8.9 37.6	0, 7 8, 4 31, 7 35, 1 24, 0
FOUNDRY AND MACHINE- SHOP PRODUCTS 4	580	502	100.0	100.0	42,745	17,608	100.0	100.0	\$182, 735, 316	\$39, 428, 783	100.0	100.0	\$ 109,796,788	\$2 3, 630, 250	100.0	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$500,000 and over	1 A A A A A A A A A A A A A A A A A A A	$ \begin{array}{r} 119 \\ 139 \\ 153 \\ 73 \\ 14 \\ 4 \end{array} $	$\begin{array}{r} 9.5\\ 22.1\\ 25.7\\ 27.4\\ 6.9\\ 8.4 \end{array}$	23.727.730.514.52.80.8	6,320 24,023	151 747 3,281 311,792 1,637	$0.1 \\ 1.0 \\ 5.2 \\ 22.7 \\ 14.8 \\ 56.2$	0.9 4.2 18.6 67.0 9.3	145, 151 1, 450, 860 7, 932, 791 36, 751, 189 27, 333, 202 109, 122, 123	$\begin{array}{r} 350,179\\ 1,418,515\\ 6,993,489\\ 15,784,096\\ 10,021,704\\ 4,860,800 \end{array}$	0.1 0.8 4.3 20.1 15.0 59.7	$\begin{array}{c} 0.9\\ 3.6\\ 17.7\\ 40.0\\ 25.4\\ 12.3 \end{array}$	$\begin{array}{r} 105,189\\994,652\\5,142,485\\23,026,021\\17,193,471\\63,334,970\end{array}$	258, 378 930, 460 4, 461, 659 \$14, 793, 677 3, 186, 076	$\begin{array}{c} 0.1 \\ 0.9 \\ 4.7 \\ 21.0 \\ 15.7 \\ 57.7 \\ 100 0 \end{array}$	1.1 3.9 18.9 62.6 13.5
FURNITURE. Less than \$5,000 \$5,000 to \$20,000	10 15	192 25 31 55 68	100.0 5.8 8.8 20.5	$ \begin{array}{r} 100.0 \\ \hline 13.0 \\ 16.1 \\ 28.6 \end{array} $	18,496 12 67 604	14,706 42 158	100.0 0.1 0.4	$ \begin{array}{c} 100.0 \\ 0.3 \\ 1.1 \\ 12.3 \end{array} $	69,497,237 22,740 168,087	30, 184, 542 61, 786 311, 825	(²) (²) 0.2 2.8	100.0 0.2 1.0 10,2	41, 187, 025 14, 963 96, 957 1, 057, 503	17,665,105 39,320 194,383 1,735,214 \$15,696,188	(2) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	100.0 0.2 1.1 9.8
\$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	35 72 20 19	68 ¢13	$\begin{array}{c} 20.3 \\ 42.1 \\ 11.7 \\ 11.1 \end{array}$	35.4 6.8	5,219 3,839 8,755	1,809 12,697	3.3 28.2 20.8 47.3	86.3	$\begin{array}{c}1,945,200\\19,453,209\\14,493,187\\33,414,814\end{array}$	3,063,818 15,965,483 610,781,630	28.0 20.9 48.1	52.9 35.7	11,371,767 8,993,953 19,651,882	•15,696,188	2.6 27.6 21.8 47.7	88.9
LUMBER AND TIMBER PROD- UCTS.	380	477	100.0	100.0	14,923	21,488	100.0	100.0	46,043,855	33, 873, 367	100.0	100.0	30, 350, 299	19,764,708	100.0	100.0
Less than \$5,000	07	174 119 98 78 613	26.825.523.217.15.02.4	36.5 24.9 20.5 15.3 2.7	110 467 1,392 4,937 4,619 3,398	333 880 3,402 16,873	$0.7 \\ 3.1 \\ 9.3 \\ 33.1 \\ 31.0 \\ 22.8$	1.5 4.1 15.8 78.5	223,849 1,057,950 3,874,759 14,709,720 13,958,108 12,129,460	370,639 1,295,673 4,537,400 16,898,555 ¢10,771,100	0.5 2.3 8.4 32,1 30.3 26.3	1, 1 3, 8 13, 4 49, 9 31, 8	165,075 727,410 2,381,654 9,463,705 9,601,437 8,011,018	266,740 814,213 2,963,598 515,720,157	0.5 2.4 7.8 31.2 31.6 26,4	79.5
LUMBER, PLANING - MILL PRODUCTS, NOT INCLUD- ING PLANING MILLS CON- NECTED WITH SAWMILLS.	192	217	100.0	100. 0	5,256	4, 944	100.0	100.0	37, 869, 230	19, 767, 965	100.0	100, 0	13,859,822	7,559,700	100.0	100, 0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000. \$100,000 to \$100,000 \$500,000 to \$1,000,000 \$1,000,000 and over	57 57 11	49 41 75 43 6 9	10.9 18.7 30.7 29.7 5.7 4.2	22.6 18.9 34.6 19.8 4.1	21 95 546 1,961 1,094 1,539	65 203 1,295 53,381	0.4 1.8 10.4 37.3 20.8 29.3	1.3 4.1 26.2 68.4	63, 227 383, 236 2, 969, 420 13, 272, 037 8, 042, 334 13, 138, 976	149,258 486,004 3,558,126 8,360,360 67,214,217	0.2 1.0 7.8 35.0 21.2 34.7	0, 8 2, 5 18, 0 42, 3 36, 5	$\begin{array}{r} 38,040\\ 185,835\\ 1,362,472\\ 4,901,519\\ 3,113,418\\ 4,258,538\end{array}$	72,200 270,298 1,540,139 5,677,129	0,3 1,3 9,8 35,4 22,5 30,7	1.0 3.6 20.4 75.1
PATENT MEDICINES AND COMPOUNDS	70	102	100.0	100.0	1,392	1,029	100.0	100,0	9,948,329	3, 871, 014	100.0	100.0	5,735,523	2,395,160	100.0	100,0
Less than \$5,000 \$5,000 to \$20,000. \$20,000 to \$20,000. \$100,000 to \$500,000 \$500,000 to \$500,000	27 14 21 4 4	54 27 16 5 5	38.6 20.0 30.0 5.7 5.7	52.9 26.5 15.7 4.9	9 13 148 38 1,184	27 75 96 \$ 831	0.6 0.9 10.6 2.7 85.1	2.6 7.3 9.3 80.8	63, S31 152, 531 904, 172 854, 843 7, 972, 952	106, 811 308, 397 875, 678 5 2, 580, 128	0.6 1.5 9.1 8.6 80.1	2.8 8.0 22.6 66.7	37, 520 98, 036 576, 214 332, 454 4, 691, 299	73,969 222,212 612,278 51,486,701	0,7 1.7 10.0 5.8 81.8	$ \begin{array}{r} 3.1 \\ 9.3 \\ 25.6 \\ 62.1 \\ \hline \end{array} $
PRINTING AND PUBLISHING, BOOK AND JOB	436	404	100.0	100.0	3,717	8,860	100.0	100.0	17,675,925	9, 380, 560	100.0	100.0	11,204,129	6,296,771	100.0	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 and over	119 158 121 40	174 144 63 23	27.3 35.8 27.8 9.2	43. 1 85. 6 15. 6 5. 7	51 401 1,288 1,977	177 640 1, 270 1, 773	1.410.834.753.2	4.6 16.6 32.9 45.9	302, 163 1, 676, 145 5, 524, 410 10, 173, 207	418,638 1,426,943 2,837,439 4,697,540	1.7 9.5 31.3 57.6	4.5 15.2 30.2 50.1	200,255 1,091,259 3,663,087 6,249,528	304,710 975,630 1,926,072 3,090,359	1.8 9.7 32.7 55.8	4.8 15.5 30.6 49.1
PRINTING AND PUBLISHING, NEWSPAPERS AND PE- RIODICALS.	565	660	100.0	100.0	3,176	3, 270	100.0	100.0	24, 930, 421	12, 290, 227	100. 0	100.0	17,234,276	8,946,668	100.0	100.0
Less than \$5,000 \$5,000 to \$20,000. \$20,000 to \$100,000. \$300,000 to \$500,000 \$600,000 and over	236 216 80 27 6	$\overline{ \begin{array}{c} 372 \\ 210 \\ 58 \\ 16 \\ 4 \end{array} }$	41.8 38.2 14.2 4.8 1.1	56, 4 31, 8 8, 8 2, 4 0, 6	207 541 714 821 893	479 849 697 51,245	6.5 17.0 22.5 25.9 28.1	14.6 26.0 21.3 38.1	657, 309 2, 072, 024 3, 171, 906 6, 042, 325 12, 986, 857	965, 112 1, 849, 666 2, 458, 886 2, 542, 263 4, 474, 300	2.6 8.3 12.7 24.2 52.1	7, 9 15, 0 20, 0 20, 7 36, 4	500,674 1,565,983 2,422,047 4,594,172 8,151,400	781,277 1,513,307 1,987,718 54,664,366	$2.9 \\ 9.1 \\ 14.1 \\ 26.7 \\ 47.3$	8.7 16.9 22.2 52.1
TOBACCO, CIGARS AND CIGARETTES	349	609	100.0	100.0	5,456	7, 295	100.0	100.0	18, 118, 556	12, 121, 862	100.0	100.0	9,728,277	6,658,818	100.0	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	181 93 45 21 5 4	404 152 37 10 3 3	51.926.612.96.01.41.1	$\begin{array}{r} 66.3\\ 25.0\\ 6.1\\ 1.6\\ 0.5\\ 0.5\end{array}$	73 298 663 1,643 1,133 1,646	319 835 780 2,634 2,727	$1.3 \\ 5.5 \\ 12.2 \\ 30.1 \\ 20.8 \\ 30.2$	4.4 11.4 10.7 36.1 37.4	$\begin{array}{r} 412,561\\ 916,540\\ 1,753,402\\ 5,741,384\\ 3,934,114\\ 5,360,555\end{array}$	791, 826 1, 398, 653 1, 320, 779 2, 444, 049 2, 016, 939 4, 140, 616	2.3 5.1 9.7 31.7 21.7 29.6	$\begin{array}{c} 6.5\\ 11.5\\ 11.0\\ 20.2\\ 16.6\\ 34.2 \end{array}$	221,448 522,934 936,291 3,269,855 2,071,608 2,706,141	482,252 850,840 745,390 2,372,777 2,207,559	2.3 5.4 9.6 33.0 21.3 27.8	7.2 12.8 11.2 35.6

Includes the group "Less than \$5,000."
 Less than one-tenth of 1 per cent.
 Includes the group "\$500,000 to \$1,000,000."

Includes "iron and steel, tempering and welding" and "machine tools."
Includes the groups "\$500,000 to \$1,000,000 " and "\$1,000,000 and over."
Includes the group "\$1,000,000 and over."

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

TABLE 10. DIAL								:	1	1				1	
	of ents.		GE VERS.	VALUE PRODUC		VALUE ADD MANUFACI			r of ents.	WA EARN		VALUE PRODUC		VALUE ADD MANUFACT	URE.
CITY AND VALUE OF PRODUCT.	Number (establishme	Aver- age num- ber.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.	CITY AND VALUE OF PRODUCT.	Number of establishments.	Avor- age num- ber.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
A DRIAN	62	1,870	100.0	\$14,549,031	100.0	\$4,396,103	100.0	ISHPEMING	21	107	100. 0	\$1,007,432	100.0	\$524, 734	100, 0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$100,000 \$500,000 to \$1,000,000 \$1,000,000 and over	15 11 18 10 4 4	6 25 158 549 485 647	0.3 1.3 8.4 29.4 25.9 34.6	32,793 96,759 818,690 1,770,132 2,417,927 9,412,730	$\begin{array}{r} 0.2\\ 0.7\\ 5.6\\ 12.2\\ 16.6\\ 64.7 \end{array}$	$\begin{array}{r} 20,892\\ 63,417\\ 427,696\\ 914,662\\ 1,069,864\\ 1,899,572\end{array}$	$0.5 \\ 1.4 \\ 9.7 \\ 20.8 \\ 24.3 \\ 43.2$	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 JACKEON	5 7 6 3 156	4 17 30 56 9,620	$\begin{array}{r} 3.7\\ 15.9\\ 28.0\\ 52.3\\ 100.0\end{array}$	16, 746 62, 428 192, 434 735, 824 49, 517, 712	$ \begin{array}{r} 1.7 \\ 6.2 \\ 19.1 \\ 73.0 \\ 100.0 \\ \end{array} $	6,772 32,523 93,549 391,890 19,529,000	1, 3 6, 2 17, 8 74, 7 100, 0
ALPENA	38	1,372	100.0	9,356,190	100.0	4,468,715	100.0	Less than \$5,000 \$5,000 to \$20,000	10 37	15 101	0.2	57, 579 421, 232 2, 058, 408 7, 214, 040	0.1	36,317 242,875	0.2 1.2 5.5
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$1,000,000 and over	11 4 14 6 3	5 7 182 830 848	0.4 0.5 13.3 24.1 61.8	$\begin{array}{r} 27,776\\ 53,779\\ 603,182\\ 1,016,937\\ 7,654,516\end{array}$	$0.3 \\ 0.6 \\ 6.4 \\ 10.9 \\ 81.8$	15,47121,352290,612594,6353,546,645	0.8 0.5 6.5 13.3 79.4	\$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over KALAMAZOO	48 35 6 11 185	411 1, 334 869 6, 890 7, 629	4.3 13.9 9.0 71.6 100.0	2,058,498 7,214,040 4,994,618 34,770,845 46,254,917	4.2 14.6 10.1 70.2 100.0	1,072,129 3,807,648 1,781,085 12,588,946 22,018,574	5.5 19.5 9.1 64.5 100.0
ANN ARBOR	78	1,612	100.0	9,793,696	100.0	4,417,049	100.0	Less than \$5,000 \$5,000 to \$20,000	28 40	14 145	$\begin{array}{c} 0.2\\ 1.9 \end{array}$	75, 575 534, 397	0.2	48, 930 315, 182	0.2
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 and over	26 18 21 13	9 41 191 1,371	0.6 2.5 11.8 85.0 100.0	66,282 219,797 899,399 8,608,218 56,139,953	0.7 2.2 9.2 87.9 100.0	46,415 127,330 541,407 3,701,897 28,151,062	1.0 2.9 12.3 83.8	\$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	55 33 13 10	449 1,720 1,877 3,424	5.922.524.644.9	2, 396, 200 7, 585, 457 9, 133, 862 26, 529, 426	5. 2 16. 4 19. 7 57. 4	1, 158, 303 4, 054, 231 4, 948, 480 11, 493, 442	5.3 18.4 22.5 52.2
BATTLE CREEK Less than \$5,000	118 16	6,680	(¹) 1.1	36.975	(1)	25,793	(1)	LANSING	L	12,349	100.0	104, 722, 115 59, 751	100. 0 (¹)	39,740,775	0.1
\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	37 38 12 4 11	72 309 372 430 5,492	4,6 5,6 6,4 82,2	452,376 1,628,624 2,471,275 2,479,117 49,071,586	0.8 2.9 4.4 4.4 87.4	254,689 846,715 1,313,606 1,344,695 24,365,564	$ \begin{array}{r} 3.0^{-4} \\ 4.7 \\ 4.8 \\ 86.6 \\ \end{array} $	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	30 41 32 5 13	100 357 1, 324 635 9, 920	0.8 2.9 10.7 5.1 80.3	$\begin{array}{r} 426,570\\ 1,683,454\\ 8,468,717\\ 3,340,004\\ 90,743,610\end{array}$	$0.4 \\ 1.6 \\ 8.1 \\ 3.2 \\ 86.7$	255, 247 831, 228 3, 307, 403 1, 532, 487 33, 773, 190	0.6 2.1 8.3 3.9 85.0
BAY CITY	108 16	5,057	100.0	28,214,525	100.0	12,952,929	100.0	MARQUETTE		1,415	100.0	7, 210, 375	100.0	2, 545, 079	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	25 26 29 5 7	84 247 1,587 548 2,584	1.7 4.9 31.4 10.8 51.1	285, 935 1, 462, 341 6, 963, 304 3, 495, 313 15, 961, 731	1.0 5.2 24.7 12.4 56.6	133,848 522,797 3,363,971 1,151,675 7,758,344	$ \begin{array}{c} 0.2 \\ 1.0 \\ 4.0 \\ 26.0 \\ 8.9 \\ 59.9 \\ 59.9 \end{array} $	Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over	4 8 11 7 4	2 26 122 532 733	0.1 1.8 8.6 37.6 51.8	10, 494 97, 367 494, 310 1, 606, 065 5, 002, 139	$ \begin{array}{c} 0.1 \\ 1.4 \\ 6.9 \\ 22.3 \\ 69.4 \\ 100.0 \end{array} $	5,775 54,497 254,881 760,870 1,409,056	0.2 2.1 10.0 29.9 57.7
BENTON HARBOR	65	2,328	100.0	11,345,034	100.0	6,713,511	100.0	MONROE Less than \$5,000	<u>41</u> 5	2,904	100.0	16,052,331	(1)	7,691,204	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	13 15 22 9 3 3	5 33 269 492 371 1,158	$\begin{array}{c} 0.2 \\ 1.4 \\ 11.6 \\ 21.1 \\ 15.9 \\ 49.7 \end{array}$	$\begin{array}{r} 31,702\\ 185,040\\ 1,117,631\\ 2,231,414\\ 1,783,541\\ 5,995,706\end{array}$	$\begin{array}{c} 0.3 \\ 1.6 \\ 9.9 \\ 19.7 \\ 15.7 \\ 52.8 \end{array}$	$\begin{array}{c} 15,873\\97,466\\621,434\\1,350,382\\832,200\\3,796,156\end{array}$	$\begin{array}{c} 0.2 \\ 1.5 \\ 9.3 \\ 20.1 \\ 12.4 \\ 50.5 \end{array}$	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$100,000 \$500,000 to \$1,000,000 \$1,000,000 and over	11 10 9 3 3	29 54 396 509 1, 913	$ \begin{array}{r} 1.0 \\ 1.9 \\ 13.6 \\ 17.5 \\ 65.9 \\ \end{array} $	126, 878 382, 368 2, 109, 024 2, 205, 272 11, 218, 668	0.8 2.4 13.1 13.7 69.9	70,041 159,839 872,059 964,693 5,617,829	0.9 2.1 11.3 12.5 73.0
DETROIT		167,016	100, 0	1,234,519,842	100.0	578,606,370	100.0	MUSKEGON		9,716	100.0	55,969,347	100, 0	30, 293, 618 41, 588	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	235 532 696 447 96 170	96 1,097 6,571 19,500 12,131 127,621	(1) 0.7 3.9 11.7 7.3 76.4	$\begin{array}{r} 625,055\\5,987,366\\33,038,658\\101,906,552\\67,551,141\\1,025,411,070\end{array}$	(1) 0.5 2.7 8.3 5.5 83.1	$\begin{array}{r} 404,936\\ 3,539,111\\ 19,806,155\\ 55,412,137\\ 34,782,264\\ 404,661,776\end{array}$	0.1 0.6 3.4 9.6 6.0 80.3	Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$100,000. \$500,000 to \$1,000,000 \$1,000,000 and over Owosso.	21 9 9	75 315 1,224 857 7,235 1,781	0.8 3.2 12.6 8.8 74.5	334, 290 1, 563, 760 4, 553, 779 6, 541, 053 42, 897, 626	0.6 2.8 8.1 11.7 76.6 100.0	180, 356 757, 567 2, 638, 514 2, 379, 301 24, 296, 292 4, 739, 646	0.6 2,5 8,7 7.9 80.2 100.0
ESCANABA Less than \$5,000	45 5	842	100.0	3,017,912	100. 0 0. 5	1,864,981	100.0	Less than \$5,000	5			10,890	0.1	6, 836 67, 537	0,1
\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 and over FLINT.	19 17 4 107	44 134 661 24,603	5.2 15.9 78.5	15,840 223,998 694,300 2,084,274 275,779,638	0.5 7.4 23.0 69.1. 100.0	8,552 99,762 321,664 1,435,003 102,955,874	5.3 17.2 76.9	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over PONTIAC	10 6 5	35 94 372 1,280	2.0 5.3 20.9 71.9 100.0	153, 170 519, 315 1, 820, 929 7, 444, 423 104, 990, 133	1.5 5.2 18.3 74.8 100.0	260,487 1,032,141 3,372,645 38,203,971	1.4 5.5 21.8 71.2
	12	4	(1) 0.2	26,244 274,797	(1)			Less than \$5,000	5	7,682		11 599	(1)	6,605	(¹) 0.5
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over		54 291 473 23,781	$1.2 \\ 1.9 \\ 96.7$	2,078,879 3,629,712 269,770,006		1,367,012 100,430,420	97.5	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over	26 13 9	65 174 315 7,128	0.8 2.3 4.1 92.8	285, 895 1, 118, 439 3, 164, 551 100, 400, 726	0, 3 1, 1 3, 0 95, 6	173, 831441, 5421,007, 35036, 574, 037	1.2 2,6 95.7
GRAND RAPIDS Less than \$5,000	611 111	23,548	100.0	109,135,055 280,645	100,0	57,973,294	100.0	PORT HURON Less than \$5,000		2,231	100, 0	9, 545, 578	100.0	4,614,621	100.0
\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$100,000 \$500,000 to \$1,000,000 \$1,000,000 and over	169 163 115 23 30	410 1,791 6,224 3,307 11,754	$ \begin{array}{r} 1.7 \\ 7.6 \\ 26.4 \\ 14.0 \\ 49.9 \\ \end{array} $	$\begin{array}{r} 250,045\\ 1,851,274\\ 7,873,105\\ 28,352,569\\ 17,100,469\\ 53,676,993\end{array}$	1.7 7.2 26.0 15.7 49.2	$\begin{array}{r} 105,032\\ 989,956\\ 4,080,774\\ 14,859,526\\ 9,777,454\\ 28,096,552\end{array}$	1.7 7.0 25.6 16.9 48.5	Less than \$5,000 \$5000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 and over SAGINAW	20 26 13 5 208	50 246 718 1,206 9,472	2. 2 11. 0 32. 2 54. 1	238, 505 1, 196, 924 3, 198, 344 4, 860, 532 43, 146, 125	2.5 12.5 33.5 50.9	124, 954 655, 089 1, 500, 416 2, 304, 389 21, 830, 363	2.7 14.2 32.5 49.9 100.0
HOLLAND Less than \$5,000		2,748	100, 0	17,711,095	100.0	7,486,104	100.0	Less than \$5,000	34	22	0,2		0,2	51, 332	0,2
\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	14	51 184 648 774 1,089	$(1) \\ 1.9 \\ 6.7 \\ 23.6 \\ 28.2 \\ 39.6 \\ (1)$	10, 028 187, 771 959, 464 3, 089, 632 3, 058, 787 10, 405, 413	(1) 1,1 5,4 17,4 17,3 58,8	$\begin{array}{c} 6,307\\ 116,731\\ 387,856\\ 1,370,685\\ 1,638,615\\ 3,965,910\\ \end{array}$	$(1) \\ 1.6 \\ 5.2 \\ 18.3 \\ 21.9 \\ 53.0 \\ $	\$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$100,000 \$500,000 to \$1,000,000 \$1,000,000 to \$1,000,000 \$1,000,000 and over	58 42 13 9	166 582 2, 127 1, 816 4, 759	1.8 6.1 22.5 19.2 50.2	83, 389 586, 736 2, 542, 710 11, 837, 045 8, 649, 755 19, 446, 490	$ \begin{array}{r} 1, 4 \\ 5, 9 \\ 27, 4 \\ 20, 0 \\ 45, 1 \\ 100, 0 \end{array} $	331, 437 1, 264, 307 5, 222, 918 4, 773, 036 10, 187, 243	5.8 23.9 21.9 46.7
IRONWOOD		399	100.0	1,381,290	100.0	827, 139	100.0	SAULT STE. MARIE Loss than \$5,000	26	1,248	100.0	10,699,767	100. 0 (1)	3,939,328	100.0
Less than \$5,000 \$5,000 to \$20,000 \$20,000 and over	1 11	33 363	0.8 8.3 91.0	21,217 106,096 1,253,977	1, 5 7, 7 90, 8		1.4 7.9 90.7 un one-te	\$5,000 to \$20,000 \$20.000 to \$100.000	8 8 6	22 56	1.8 4,5 93.4	7, 391 75, 339 407, 047 10, 209, 990	(1) 0.7 3.8 95.4	45, 906 224, 988 3, 603, 687	0.1 1.2 5.7 93.0

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

. <u>.</u>	ar of nents.	WA EARN		VALUE PRODUC		VALUE ADD MANUFACI			ar of nents.		IGE VERS.	VALUE PRODUC		VALUE ADD MANUFACT	
CITY AND VALUE OF PRODUCT.	Number establishme	Aver- age num- ber.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.	CITY AND VALUE OF PRODUCT.	Number establishme	Aver- age num- ber.	Per cent of total.	Amount.	Per cont of total.	Amount.	Per cent of total.
TRAVERSE CITY	56	960	100. 0	\$4,099,960	100, 0	\$1, 817, 979	100, 0	WYANDOTTE-Contd.							
Less than \$5,000 \$5,000 to \$20,000	$\frac{5}{24}$	5 83	0.5	14,832 252,036	0,4	7,542 145,534	0, 4 8, 0 15, 4	\$500,000 to \$1,000,000 \$1,000,000 and over	3 4	660 5,427	10.6 87.3	\$2, 378, 441 30, 252, 126	7.1 90.6	\$1, 327, 808 18, 233, 943	6.7 91.4
\$20,000 to \$100,000 \$100,000 to \$500,000	13 14	154 718	16. 0 74, 8	595, 975 3, 237, 117	14, 5 79, 0		15.4 76.2	ALL OTHER CITIES 1.	50	64,629	100.0	569, 208, 377	100:0	260, 138, 249	100.0
WYANDOTTE	26	6, 214	100. 0	33, 382, 791	100. 0	19, 942, 807	100, 0	Less than \$5,000 \$5,000 to \$20,000	4		(2)	9, 643 93, 815	$\binom{2}{2}$	5,574	(²) (²) 0.1
Less than \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000	12 4 3	16 14 97	0.3 0.2 1.6	121, 150 140, 373 490, 701	0.4 0.4 1.5	55, 867 61, 552 263, 637	0.3 0.3 1.3	\$20,000 to \$100,000 \$100,000 and over	10 20 18	93 64, 527	(2) 0,1 99,9	93, 815 838, 916 568, 266, 003	0.1	41, 236 343, 724 259, 747, 715	0.1 99.9

¹ All other cities comprise Hamtramck and Highland Park.

² Less than one-tenth of 1 per cent.

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

			MBER		AVE	RAGE	NUMBER	OF W.	AGE E/	RNERS	8.		v.	ALUE OF PRO	DUCTS.			
INDUSTRY AND CITY.	Cen- sus		TABLI MENT NED I	8			tablishm vned by-		Per c	ent of	total.		Ofestabl	lishments ow	ned by—	Per ce	ent of t	otal.
	year.		Cor- pora- tions.		Total.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.
All industries	1919 1914 1909	4, 282	3, 249 2, 900 2, 638	1, 484 1, 542 1, 954	471, 242 271, 090 231, 499	14, 730 16, 674 20, 564	444, 516 241, 829 193, 139	12,587	$3.1 \\ 6.2 \\ 8.9$	94. 3 89. 2 83. 4	2.5 4.6 7.7	\$3,466,188,483 1,086,162,432 685,109,169	\$92, 181, 144 50, 886, 390 57, 652, 930	\$3,299,255,502 986,655,727 571,102,107	\$74, 751, 837 48, 620, 315 56, 354, 132	2.7 4.7 8.4	95.2 90.8 83.4	$2.1 \\ 4.5 \\ 8.2$
Agricultural implements	1919 1914	6 8	16 18	1 4	2, 708 2, 143	1 95 96	2,613 2,027	20	3.5 4.5	96.5 94.6	0.9	11,090 669 7,731,217	¹ 274, 717 273, 131	10, 815, 952 7, 390, 617	67, 469	2, 5 3, 5	97.5 95.6	0,9
Automobile bodies and parts.	1919 1914	46 28	$137 \\ 106$	20 6	49, 048 24, 736	653 130	48, 284 24, 497	111 109	$1.3 \\ 0.5$	98.4 99.0	$\begin{array}{c} 0.2\\ 0.4 \end{array}$	288, 306, 858 71, 540, 077	3, 802, 539 395, 118	284, 010, 487 70, 816, 683	493, 832 328, 276	$\begin{array}{c} 1,3\\ 0,6 \end{array}$	98.5 99.0	0.2 0.5
Boxes, paper and other, not elsewhere specified.	1919 1914	1 4	17 13	4 6	2,336 1,461	40	$2,165 \\ 1,088$	² 171 333	2.7	92.7 74.5	7.3 22.8	10, 934, 722 3, 747, 876	48, 545	10, 483, 458 2, 782, 318	⁴ 451,264 917,013	1.3	95.9 74.2	4.1 24.5
Brass, bronze, and copper products.	1919 1914	16 14	55 40	9 10	$10,306 \\ 4,731$	94 187	10, 129 4, 492	83 52	$0.9 \\ 4.0$	98.3 94.9	$\substack{\textbf{0.8}\\\textbf{1.1}}$	62, 708, 335 16, 868, 725	596, 193 607, 450	61, 421, 195 15, 928, 399	690, 947 332, 876	1.0 3.6	97.9 94,4	1.1 2.0
Bread and other bakery products.	1919 1914	713 755	58 29	173 138	5,088 4,014	1, 714 2, 041	2,724 1,492	650 481	33.7 50.8	53. 5 37. 2	$\begin{array}{c} 12.8\\ 12.0 \end{array}$	44, 923, 454× 16, 000, 068	16 301, 071 8, 017, 664	22, 002, 561 5, 936, 037	6, 529, 822 2, 046, 367	36.5 50.1	49.0 37.1	14.5 12.8
Butter	1919 1914	67 80	71 96	93 94	984 769	171 147	548 408	265 214	$\begin{array}{c} 17.4\\19.1\end{array}$	$55.7 \\ 53.1$	26.9 27.8	33, 385, 420 13 479, 297	6, 308, 839 2, 453 497	18,096,976 7,414,866	8, 979, 605 3, 610, 934	18.9 18.2	54, 2 55, 0	26.9 26.8
Canning and preserving, fruits and vegetables.	1919 1914	13 14	30 26	9 9	2,109 1,687	242 216	$1,649 \\ 1,361$	218 110	$ \begin{array}{c} 11.5 \\ 12.8 \end{array} $	78.2 80.7	$\begin{array}{c} 10.3\\ 6.5 \end{array}$	11, 172, 169 4, 421, 946	$\substack{1,314,935\\464,821}$	8, 537, 037 3, 767, 687	1, 320, 197 189, 438	11.8 10.5	$76.4 \\ 85.2$	11.8 4.3
Chemicals	1919 1914	9 11	25 21	2 4	5, 712 4, 509	$\frac{4}{12}$	5, 708 4, 493	·····4	0.1 0.3	99. 9 99. 6	(8)	37, 850, 834 13, 891, 415	¹ 25, 170 26, 300	37, 825, 604 13, 858, 241	6,874	0.1 0.2	99.9 99.8	(8)
Confectionery and ice cream.	1919 1914	90 73	30 22	64 29	1,746 1,187	$\begin{array}{c} 344\\ 341 \end{array}$	905 661	497 185	$19.7 \\ 28.7$	51.8 55.7	$28.5 \\ 15.6$	12, 626, 501 4, 842, 801	2, 493, 155 1, 272, 964	7, 264, 649 2, 773, 017	2,868,697 796,820	$19.7 \\ 26.3$	57.5 57.3	$22.7 \\ 16.5$
Druggists' preparations	1919 1914	74	9 10		3,219 2,175	38 1 47	3, 181 2, 128		$1.2 \\ 2.2$	98.8 97.8		23, 903, 856 11, 738, 662	321, 744 1 102, 203	$23,582,112 \\ 11,636,459$		$\begin{array}{c} 1.3 \\ 0.9 \end{array}$	98.7 99.1	
Electrical machinery, ap- paratus, and supplies.	1919 1914	9 7	40 26	5 2	4, 190 1, 144	84 1 50	4, 092 1, 094	14	2.0 4.4	97.7 95.6	0.3	25, 025, 528 3, 415, 500	275, 840 1 99, 993	24, 660, 021 3, 315, 507	89, 667	1.1 2.9	98, 5 97, 1	0.4
Engines, steam, gas, and water.	1919 1914	2 10	32 35	1 3	$\substack{14,258\\4,427}$	1 7 35	$14,251 \\ 4,261$		(3) 0.8	99, 9 96, 3	3.0	$101,989,440\\12,369,172$	¹ 30, 860 74, 470	101, 958, 580 12, 074, 084	220, 818	(³) 0.6	99.9 97.6	1.8
Flour-mill and gristmill products.	1919 1914	146 203	85 83	114 141	1, 128 1, 370	203 332	746 731	179 307	18.0 24.2	$\begin{array}{c} 66.1 \\ 53.4 \end{array}$	15.9 22.4	44, 144, 434 27, 381, 474	6, 572, 213 5, 609, 028	30, 150, 339 16, 384, 336	7, 421, 882 5, 388, 110	14. 9 20. 5	68, 3 59, 8	16.8 19.7
Food preparations, not elsewhere specified.	1919 1914	8 14	25 32	4 10	2, 483 1, 683	8 39	2, 457 1, 023	$\begin{array}{c} 18 \\ 621 \end{array}$	$ \begin{array}{c} 0.3 \\ 2.3 \end{array} $	99. 0 60. 8	0.7 36.9	35, 701, 760 16, 005, 282	166, 897 137, 801	35, 323, 175 7, 824, 862	211,688 8,042,619	0.5 0.9	98.9 48.9	0.6 50.2
Foundry and machine- shop products. ⁴	1919 1914	145 148	369 271	66 83	$\begin{array}{c} 42,745\\ 17,608 \end{array}$	$1,393 \\ 1,039$	40, 266 15, 947	1,086 622	3.2 5.9	94. 2 90. 6	2.5 3.5	182, 735, 316 39, 428, 783	4, 877, 479 2, 161, 547	172, 726, 812 35, 960, 167	5, 131, 025 1, 307, 069	2.7 5.5	94.5 91.2	2.8 3.3
Furniture	1919 1914	26 34	128 138	17 20	18, 496 14, 706	374 460	17, 907 13, 950	215 296	$2.0 \\ 3.1$	96. 8 94. 9	$1.2 \\ 2.0$	69, 497, 237 30, 184, 542	1, 401, 032 879, 875	67, 168, 769 28, 816, 498	927, 436 488, 169	2.0 2.9	96.6 95.5	1.3 1.6
Knit goods	1919 1914	6 3	24 26	1 3	3, 170 2, 711	1 66 68	3,104 2,598	 45	$2.1 \\ 2.5$	97.9 95.8	1.7	12, 039, 377 5, 228, 035	1 183, 968 67, 766	$11,855,409\\4,960,091$	200,178	$\begin{array}{c} 1.5\\ 1.3\end{array}$	98.5 94.9	3.8
Lumber and timber prod- ucts.	1919 1914	192 238	96 129	92 110	14, 923 21, 488	2, 008 2, 051	10,072 16,985	2, 843 2, 452	13.5 9.5	67.5 79.0	19.1 11.4	46, 043, 855 33, 873, 367	7, 939, 838 3, 074, 477	30, 685, 694 26, 710, 809	7, 418, 323 4, 088, 081	17.2 9.1	66.6 78.9	$\begin{array}{c} 16.1\\12.1\end{array}$
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919 1914	40 67	110 103	42 47	5, 256 4, 944	312 940	4, 315 3, 412	629 592	5,9 19,0	82, 1 69, 0	12.0 12.0	37, 869, 230 19, 767, 965	2, 123, 293 2, 890, 954	32, 059, 340 14, 757, 226	3, 686, 597 2, 119, 785	5.6 14.6	84.7 74.7	9.7 10.7
Paper and wood pulp	1919 1914	32	36 34	i	9,561 6,051	18 1 20	9,543 6,031		0.2 0.3	99. 8 99. 7		66, 299, 513 22, 049, 990	74, 092 1 45, 336	66, 225, 421 22, 004, 654		0.1 0.2	99.9 99.8	
Printing and publishing, book and job.	1919 1914	234 229	118 106	84 69	3,717 3,860	657 715	2,732 2,820	328 325	$17.7 \\ 18.5$	11 1		17, 675, 925 9, 380, 560 per cent.	2,799,018 1,722,291	12,778,867 6,881,312	2,098,040 776,957	15.8 18.4	72.3 73.4	11.9 8.3

¹Includes the group "All others." ²Includes the group "Individuals." ⁸ Less than one-tenth of 1 per cent. 4 Includes "iron and steel, tempering and welding" and "machine tools."

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

			MBER		AVE	RAGE	NUMBER	OF W	AGE EA	RNERS	ı.		v	ALUE OF PRO	DUCTS.			
	Cen- sus	. 1	FABLIS MENTS NED B	3			tablishn vned by		Per c	ent of	total.		Ofestab	lishments own	ned by—	Per ce	ent of i	total.
INDUSTRY AND CITY.	year.	Indi- vid- uals.	pora-	All oth- ers.	Total.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Cor- pora- tions.	
Printing and publishing, newspapers and period-	1919 1914	303 387	149 165	113 108	$3,176 \\ 3,270$	558 860	2,251 2,090	367 320	$\begin{array}{c} 17.6\\ 26.3 \end{array}$	70. 9 63. 9	11.6 9.8	\$24, 930, 421 12, 290, 227	\$2,009,647 1,777,613	\$21, 313, 661 9, 605, 334	\$1,607,113 . 907,280	8.1 14.5	85.5 78.2	6.4 7.4
icals. Slaughtering and meat packing.	1919 1914	11 9	10 7	3 1	1,712 1,112	47 1 23	1,653 1,089	12	2, 7 2, 1	96. 6 97. 9	0.7	59, 584, 740 20, 665, 737	1, 729, 966 1 572, 504	57, 427, 123 20, 093, 233	427, 651	2, 9 2, 8	96, 4 97, 2	0.7
Structural ironwork, not made in steel works or	1919 1914	9 9	20 19	5 3	2,313 1,371	78 91	2,189 1,252	46 28	3.4 6.6	$94.6 \\ 91.3$	2.0 2.0	$17, 124, 120 \\ 4, 918, 366$	476, 946 296, 708	$[\begin{matrix} 16,403,714\\4,544,832 \end{matrix}]$	243,460 76,826	2.8 6.0	95. 8 92, 4	1.4 1.6
rolling mills. Tobacco, cigars and cig- arettes.	1919 1914	282 515	35 26	32 68	5, 456 7, 295	$\substack{1,114\\1,504}$	3, 933 4, 555	409 1,236	20.4 20.6	$72.1 \\ 62.5$	7.5 16.9	18, 118, 556 12, 121, 862	4,217,478 3,154,550	12, 663, 365 6, 753, 776	1,237,713 2,213,530	23. 3 26. 0	69,9 55,7	6, 8 18, 3
Tools, not elsewhere spec- ified.	1919 1914	21 8	54 11	14 5	$3,261 \\ 372$	287 40	2, 790 297	184 35	8,8 10,8	85.6 79.8	$5, 6 \\ 9, 4$	11, 898, 853 859, 144	1,128,036 76,189	10, 072, 676 719, 430	$698, 141 \\ 03, 525$	9.5 8.9	84.7 83.7	5.9 7.4
Wirework, not elsewhere specified.	1919 1914	3 6	29 23	6 4	$\begin{array}{c} 2,516 \ 1,314 \end{array}$	44 61	2,442 1,233	30 20	1.7 4.6	97.1 93.8	$\substack{1.2\\1.5}$	$17,065,225 \\ 5,891,274$	260, 165 130, 477	10,650,288 5,680,910	$154,772 \\ 79,878$	$\begin{array}{c} 1.5 \\ 2.2 \end{array}$	97.6 96.4	0.9 1.4
Total for cities	1919 1914	1,850 2,069	$2,205 \\ 1,815$	737 727	376,032 177,605	8,709 9,763	361,101 160,364	6,222 7,478	2.3 5.5	96.0 90.3	$\begin{array}{c} 1.7 \\ 4.2 \end{array}$	2,836,698,957 688,558,088	54,033,779 28,565,260	2,744,216,497 629,113,585	38, 448, 081 30, 879, 237	$\begin{array}{c} 1.9\\ 4.1 \end{array}$	96.7 91.4	1.4 4.5
Adrian	1919 1914	26 34	22 21	14 13	1,870 1,256	92 102	1,616 1,001	$\begin{array}{c} 162 \\ 153 \end{array}$	4.9 8.1	86.4 79.7	8.7 12,2	$\begin{array}{r} 14,549,031\\ 5,442,338\end{array}$	508, 970 349, 498	13,005,832 4,734,595	1,034,229 358,245	$\begin{array}{c} 3.5\\ 6.4 \end{array}$	89.4 87.0	7.1 6.6
ALPENA	1919 1914	$^{16}_{28}$	16 17	· 6 9	$1,372 \\ 1,494$	145 73	$1,200 \\ 1,390$	27 31	10.6 4.9	87.5 93.0	$2.0 \\ 2.1$	9,356,190 4,101,935	336,062 126,258	8,806,110 3,867,843	214,018 107,834	$\begin{array}{c} 3.6\\ 3.1\end{array}$	94, 1 94, 3	2.3 2.6
ANN ARBOR	1919 1914	35 38	26 19	17 18	1,612 842	135 134	$1,433 \\ 593$	44 115	8.4 15.9	88.9 70.4	2, 7 13, 7	9,793,696 2,603,379	783,953 352,540	8,725,961 1,761,742	283,782 489,097	8.0 13.5	89. 1 67. 7	2.9 18.8
BATTLE CREEK	1919 1914	55 64	48 52	15 19	6,680 4,599	151 180	6,493 3,523	36 896	2,3 3,9	97.2 76.6	0.5 19.5	56, 139, 953 23, 248, 420	277,860 630,058	54, 533, 778 13, 734, 003	328,315 8,884,359	2.3 2.7	97.1 59.1	0, 6 38, 2
ВАУ СІТУ	1919 1914	45 76	50 46	13 20	5,057 3,771	205 462	4,725 3,038	127 273	4,1 12,3	93.4 80.5	2.5 7.2	28, 214, 525 11, 119, 286	1,987,472 1,270,219	25,282,167 8,919,281	944, 886 929, 786	7.0 11.4	89.6 80.2	3.3 8.4
BENTON HARBOR	1919 1914	24 25	32 22	9 15	$2,328 \\ 1,285$	45 132	$2,210 \\ 1,029$	73 124	$\begin{smallmatrix}1.9\\10.3\end{smallmatrix}$	94.9 80.1	3.1 9.6	11,345,034 3,021,552	309, 469 515, 895	10, 531, 096 2, 317, 335	504,469 \cdot 188,322	2.7 17.1	92, 8 76, 7	4,4 6,2
DETROIT	1919 1914	772 882	1,085 860	319 294	167,016 99,603	4,025 4,397	159,884 91,757	3,107 3,449	2.4 4.4	95.7 92.1	$1.9 \\ 3.5$	1,234,519,842 400,347,912	27, 422, 084 13, 557, 847	1,188,067,496 376,187,763	19,030,202 10,602,302	2, 2 3, 4	96, 2 94, 0	1.5 2.6
Escanaba	1919 1914	29 23	11 13	5 9	842 777	77 53	737 680	28 44	9.1 6.8	87.5 87.5	3.3 5∎7	3,017,912 1,506,526	460, 709 111, 140	2,396,533 1,303,913	160,670 91,473	15.3 7.4	79.4 86.5	5,3 6,1
FLINT	1919 1914	49 40	39 34	19 20	24,603 8,722	237 160	24,185 8,416	$\begin{array}{c} 181\\ 146\end{array}$	1.0 1.8	98.3 96.5	$0.7 \\ 1.7$	275, 779, 638 53, 375, 039	1,726,465 373,390	272, 855, 259 52, 389, 000	1,197,914 612,589	0.6 0.7	98.9 98.2	0.4
GRAND RAPIDS	1919 1914	266 267	259 231	86 96	23, 548 17, 427	$1,077 \\ 1,431$	$21,517 \\ 15,207$	954 789	4.6 8.2	91.4 87.3	4.1 4.5	109, 135, 055 49, 792, 200	5,272,883 3,871,624	99, 195, 600 43, 765, 942	$\begin{array}{c} 4,666,512\\ 2,154,634 \end{array}$	4, 8 7, 8	90. 9 87. 9	4.3 4.3
HOLLAND	1919 1914	14 16	40 34	10 11	2,748 2,165	51 55	$2,651 \\ 2,057$	46 53	$1.9 \\ 2.5$	96,5 95,0	$1.7 \\ 2.4$	17,711,095 8,683,835	162, 903 130, 243	17, 124, 013 8, 281, 748	424,179 271,844	0.9 1.5	96.7 95.4	2,4 3,1
IRONWOOD	1919 1914	16 13	6 6	6 5	399 516	39 39	329 443	31 34	9.8 7.6	82.5 85.0	7.8 6.6	1,381,290 793,247	352, 590 153, 662	816,387 545,045	212, 313 94, 540	25. 5 19, 4	59.1 68.7	15.4 11.9
ISHPEMING	1919 1914	15 13	4 2	2 4	107 79	1 49 31	58 1 48		45, 8 39, 2	54.2 60.8		1,007,432 228,643	¹ 358,090 67,757	649,342 1 160,886		35.5 29.6	64.5 70.4	:
JACKSON	1919 1914	59 56	73 67	$\frac{24}{24}$	9,620 4,906	400 257	9,030 4,498	190 151	4.2 5.2	93. 9 91. 7	$2.0 \\ 3.1$	49, 517, 712 16, 809, 846	1, 681, 622 770, 961	46,658,431 15,629,622	1, 177, 659 409, 263	3,4 4,6	$ \begin{array}{c} 04.2 \\ 93.0 \end{array} $	2.4 2.4
KALAMAZOO	1919 1914	60 96	94 84	25 33	7,629 5,525	428 420	7,076 4,948	125 157	5.6 7.6	92, 8 89, 6	$1.6 \\ 2.8$	46, 254, 917 20, 214, 314	1,957,136 1,048,046	43,717,000 18,785,086	580,781 381,182	4.2 5,2	04. 5 92. 9	1.3
LANSING	1919 1914	54 79	70 75	23 26	12,349 6,231	223 254	12,022 5,837	104 140	1.8 4.1	97.4 93.7	0. 8 2, 2	104,722,115 26,984,496	1,764,930 1,072,797	101, 618, 932 25, 111, 441	1,338,253 800,258	1.7 4.0	97.0 93.1	1,3 3,0
MARQUETTE	1919 1914	12 21	19 . 10	3 3	1,415 589	40 77	1,370 487	5 25	2.8 13.1	96, 8 82, 7	0.4 4.2	7, 210, 375 1, 394, 587	212, 673 146, 318	6,943,449 1,176,671	54,253 71,598	2,9 10.5	96.3 84.4	0, 8 5, 1
MONROE.	1919	12	1	4	2,904	25	2,869	10	0.9	98.8	0.3	16,052,331	158,276	15, 581, 801	312,254	1.0	97.1	1.00
MUSEEGON.	1919 1914	52 47	66 44	23 12	9,716 4,646	175 328	9,415 4,281	126 37	1.8	96.9 92.1	1.3	55, 969, 347 11, 147, 605	1,218,060	54, 129, 103 10, 050, 450	622, 184 89, 780	2.2 9.0	96.7	i
Owosso	1919	20 24	1	4 5	1,781 1,231	318 113	1,438 1,094	25 24	17.9 9.2	80.7 88.9	1,4	9, 948, 736 3, 468, 534	1,023,238 298,615	8,746,218 3,078,016	179,280 91,903	10.3	87.9 88.7	* 1 -1-1-1-1
PONTIAC.	1919 1914	22 14	1 . 1	30 12	7,682	69 49	7,453 2,286	160 74	0.9 2.0	97.0 94.9	2.1 3.1	104, 990, 133 15, 102, 453	538, 419 324, 293	102,991,503 14,471,015	1,460,211 307,145	0.5	98.1 95.8	1.11
PORT HURON	1919	43		1	2,231 1,296	115	2,085	1.1.1	5.2 11.4	92.6 84.4	2.3 4.2	9, 545, 578 4, 090, 323	729,823 485,671	8,482,230 3,436,688	333, 525 167, 964	7.6	88.9 84.0	4.1
SAGINAW	. 1919 1914	80 112			9,472 6,342	345 721	8,683 5,097	444 524	3.6 11.4	91.7 80.4	4.7 8.3	43, 146, 125 19, 008, 670	2,072,514 1,427,297	38,734,013 14,303,947	2,339,598 3,277,420	4.8 7.5	89.8 75.2	
SAULT STE. MARIE	1914	11 27	12		1,248 938	34 53	1,175 818	39 67	2.7 5.7	94.2 87.2	3.1 7.1	10,699,767 3,821,464	170, 930 143, 127	10, 197, 513 3, 546, 002	331,324 132,335	1.6 3.7	95.3 92.8	3, 8
TRAVERSE CITY	1914	24 31	}		960 956	121 94	748 744	91 118	12.6 9.8	77.9 77.8	9, 5 12, 3	4,099,900 2,251,484	581, 344 380, 635	3, 146, 178 1, 555, 491	372, 438 365, 358	14.2 14.7	76.7 69.1	16.2
WYANDOTTE ALL OTHER CITIES ²	-	12 21	1	8	6, 214 64, 629	14 74	6, 191 64, 528	9 27	0,2	99.6 99.8	0.1 (³)	33, 382, 791 569, 208, 377	154, 725 810, 579	33,163,370 568,117,122	64,696 280,676	0.5	99.3 99.8	
•••• ••••••		1	1.		<u> · , ' - '</u>	<u> </u>	<u> </u>											1

¹ Includes the group "All others."

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² All other cities comprise Hamtramek and Highland Park.

³ Less than one-tenth of 1 per cent.

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

			1											
				CITIES HAVING A POPULATION OF 10,000 OR OVER.										
	Census year.	Aggregate.	Total.1		10,000 to 28	5,000.1	25,000 [°] to 100	,000.	100,000 and	over.	A POPULATIO 10,000 OR O			
nesses and the second			Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.		Per centof aggre- gate.		
Number of places	1919 1914 1909		28 26 24		14 16 15		12 8 7		2 2 2					
Population ²	1920 1915 1910	3,668,412 2,976,030 2,810,173	1,894,612 1,194,360 1,043,746	51.6 40.1 37.1	179,991 211,887 203,817	4.9 7.1 7.3	583, 309 321, 596 261, 592	15.9 10.8 9.3	1,131,312 660,877 578,337	30. 8 22. 2 20. 6	1,773,800 1,781,670 1,766,427	48, 4 59, 9 62, 9		
Number of establishments	1919 1914 1909	8,305 8,724 9,159	4,792 4,710 4,500	57.7 54.0 49.1	624 825 817	7.5 9.5 8.9	1, 381 1, 255 1, 123	16.6 14.4 12.3	2, 787 2, 630 2, 560	33.6 30.1 27.9	3,513 4,014 4,659	42.3 46.0 50.9		
Average number of wage earners	1919 1914 1909	471,242 271,090 231,499	376,032 181,446 156,747	79.8 66.9 67.7	25,800 19,674 20,433	5.5 7.3 8.8	159, 668 44, 742 37, 713	33.9 16.5 16.3	190, 564 117, 030 98, 601	$\begin{array}{c} 40.4\\ 43.2\\ 42.6\end{array}$	95,210 89,644 74,752	20, 2 33, 1 32, 3		
Value of products	1919 1914 1909	\$3,466,188,483 1,086,162,432 685,109,169	\$2,836,698,957 697,694,182 465,201,235	81, 8 64, 2 67, 0	\$149,555,640 65,646,394 52,798,619	6.0	\$1,343,488,420 181,907,676 117,232,598	38.8 16.7 17.1	\$1,343,654,897 450,140,112 295,170,018	$38.8 \\ 41.4 \\ 43.1$	\$629,489,526 388,468,250 219,907,934	18.2 35.8 32.1		
Value added by manufacture	1919 1914 1909	1,546,945,240 493,361,368 316,497,147	$\substack{1,288,383,086\\313,194,451\\225,647,464}$	83.3 63.5 71.3	71,374,377 26,621,691 23,980,450	4.6 5.4 7.6	580, 429, 036 82, 676, 454 56, 450, 253	37.5 16.8 17.8	636, 579, 673 203, 896, 306 145, 216, 761	41.2 41.3 45.9	258, 562, 154 180, 166, 917 90, 849, 683	16.7 36.5 28.7		

 Includes Manistee and Menominee in 1914 and 1909; population less than 10,000 in 1920.
 Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910. TABLE 16.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

	V۸	LUE OF	PRODUCTS.	1		VA	LUE OF	PRODUCTS.	
CITY AND INDUSTRY.	Amount,	Per cent of total	Increase ¹ ov	er 1914.	CITY AND INDUSTRY.	Amount, 1919.	Per cent of total	Increase ¹ ove	
a de la composición d Composición de la composición de la comp	1919.	for the state.		Per cent.		1919.	for the state.	Amount.	Per cent.
DETROIT.					GRAND RAPIDS-Continued.	5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		
Automobiles	\$348,772,599 201,455,182 67,161,566	26.2 69.9	\$223, 165, 629 162, 986, 208	177.7 423.7	Printing and publishing, newspapers and	\$ 2, 343, 763	9,4	\$900,639	62.4
Foundry and machine-shop products ²	67, 161, 566	86.8 96.7	162, 986, 208 49, 976, 198 37, 570, 977	290.8 187.1	periodicals. Lumber, planing-mill products, not in- cluding planing mills connected with	\$2, 3±3, 703	U + H	0000,000	ι <i>ω</i> , τ
Slaughtering and meat packing. Brass, bronze, and copper products	1 20,200,100	78,5	- 34, 610, 017	236.6	cluding planing mills connected with sawmills	2, 015, 250	5. 3	337,607	20.1
Engines, steam, gas, and water Bread and other bakery products	22,031,347	35, 9 50, 4	29, 455, 124 15, 142, 526	202.2	sawmils. Phonographs and graphophones Tobacco, cigars and cigarettes.	2,015,250 1,996,429 1,982,897	47.2 10.9	(³) 689,837	53.3
Printing and publishing, newspapersand	+	56.2	8,238,099	142.5	Printing and publishing, book and job Butter Automobiles. Cars and general shop construction and	1,885,337 1,775,419	4,1 10,0	390,968 620,430	26.2 53.7
periodicals. Electrical machinery, apparatus, and supplies	12,970,284 11,606,301	51.8	10,729,879	478.9	Butter	1,647,484 1,254,478	4.9	900,300 1,108,049	120.5 756.7
		$\begin{array}{c} 64.1 \\ 64.7 \end{array}$	3,102,462 6,060,845	$\begin{array}{c} 36.5\\112.9\end{array}$	Cars and general shop construction and repairs by steam-railroad companies.		an a	n da ar an t	
Chemicals.	11, 355, 383	80.0	7,480,855	193,1	repairs by steam-railroad companies Gas, illuminating and heating House-furnishing goods, not elsewhere	a a an	1.44	n de la deserve	Č:
works or rolling mills.	11,271,015 10,144,806	65.8	9,141,473 (³)	429.3	specified.	(³)	(³)	(3)	(3)
Tools, not elsewhere specified.	9,216,733	77.5			Plumbers' supplies, not elsewhere speci-				
Topacco, cigars and cigarettes. Printing and publishing, book and job. Chemicals. Structural ironwork, not made in steel works or rolling mills. Stoves and hot-air furnaces. Tools, not elsewhere specified. Lumber, planing-mill products, not in- cluding planing mills connected with sawrolls	0 114 453	24.1	3,547,943	63.7	specification of the second se	l sa	100	a sa	1.11
Leather, tanned, curried, and finished	8,624,215	18.8 81.3	6,809,198 4,224,304	$375.2 \\ 109.2$	LANSING.	e tra e s		an na shini sa Shini na sh	i († 1444) Santos († 1444)
Patent medicines and compounds Cars, steam-railroad, not including opera-	3,001,441	01.0	1,221,001		Automobile bodies and parts	9, 229, 855 4, 581, 448	3.2 2.7	7,238,722 2,258,336	363.5 97.2
Cars, steam-railroad, not including opera- tions of railroad companies	•				Automobile bodies and parts Foundry and machine-shop products 5 Iron and steel forgings, not made in steel works or rolling mills Engines steam, gas, and water.	4. 174. 718	1	(8)	i. Sais
Druggists' preparations. Flour-milland gristmill products. Lamps and reflectors. Rubber tires, tubes, and rubber goods,	(3)	(3)	(3)	(3)	works of rolling minis Engines, steam, gas, and water. Lumber, planing-mill products, not in- cluding planing mills connected with sawmills Flour-mill and gristmill products Decode and other backery products	4,174,718 3,227,820	3, 2	1, 795, 476	125.4
Lamps and reflectors	· [cluding planing mills connected with	2 226 531	5. 9	1, 488, 185	182.4
not elsewhere specified Stoves, gas and oil Tobacco, chewing and smoking, and snuf					Flour-mill and gristmill products	2, 226, 531 846, 933 840, 135	1.9		56.5 200,6
					Bread and other bakery products	}		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	3
FLINT.	8,537,634	2,9	(3)		Automobiles. Condensed milk Sorews, machine. Sigar, beet.	(3)	(3)	(3)	(8)
Automobile bodies and parts Foundry and machine-shop products Bread and other bakery products	2,148,759 1,621,915	1.3	501,644 1,321,790	30.5 440.4		∯ • 11 1 × 1			
Automobiles.	·))	1.111		1	SAGINAW. Foundry and machine-shop products ⁵	13,609,661	8.0	11, 560, 559	564.2
supplies.					Lumber, planing-mill products, not in- cluding planing mills connected with sawmills Bread and other bakery products Automobile bodies and parts				
Gas, Illuminating and heating	(3)	(3)	(3)	(3)	sawmills	2,474,337 1,479,984 695,137	6.5 3.3	-28,496 878,213	1.1 145.9
Paints. Printing and publishing, newspapers and	a tanatan i				Automobile bodies and parts	695,137	0.2	(8)	
Automobiles Electrical machinery, apparatus, and supplies. Flour-mill and gristmill products. Gas, illuminating and heating Paints. Printing and publishing, newspapers and periodicals. Springs, steel, automobile.	:				Butter Cars and general shop construction and repairs by steam-railroad companies	11			
		50.3	20, 137, 084	135, 8	Corsets				
Furniture. Automobile bodies and parts. Flour-mill and gristmill products Foundry and machine-shop products '	5,656,674	2, 0 12, 4	2 311 856	5, 378. 5 73. 6	Corsets	(3)	(3)	(3)	(8)
Foundry and machine-shop products 4.	4,505,759	2,5	2 015 087	80.9 114.3	Furniture.]]			}
Foundry and machine-shop products 4 Bread and other bakery products Hardware	. 3,605,027 2,802,248	32:0	1,922,829 2,322,543 1,414,871	484, 2 133, 0	Leather, tanned, curried, and inished	1			
Knit goods Confectionery and ice cream	2,802,248 2,478,656 2,344,979	18.6	1,701,027	264.2	Wooden goods, not elsewherespecified	I			
		1	Ц	L					

A minus sign (-) denotes decrease.
 Includes "iron and steel, tempering and welding" and "machine tools."
 Figures can not be shown without disclosing individual operations.

4 Includes "machine tools" and "textile machinery and parts."
6 Includes "iron and steel, welding."

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

	NUMBER O	F ENGINES O	R MOTORS.	HORSEPOWER.							
POWER.				s.	Amount.	•	Per cent distribution.				
	1919	1914	1909	1919	1914	1909	1919	1914	1909		
Primary power, total	58,208	25, 686	15, 527	1, 202, 128	730, 383	598, 288	100.0	100. 0	100.0		
Owned. Steam 1. Engines. Turbinos. Internal-combustion engines. Water. Water wheels and turbines. Water motors.	4,582 3,411 3,200 211 776 395 388 7	5,790 4,177 (²) (²) 1,002 551 486 65	6,967 5,066 (2) (2) (2) 1,167 734 700 34	$\begin{array}{r} 652, 952\\ 502, 911\\ 440, 130\\ 152, 781\\ 19, 695\\ 40, 346\\ 40, 329\\ 17\end{array}$	538,075 486,771 (²) 19,593 31,711 30,424 1,287	$521, 543 465, 536 \binom{2}{2}13, 98842, 01941, 442577$	54.349.336.612.71.63.43.4(3)	73. 7 60. 6 2. 7 4. 3 4. 2 0. 2	87.2 77.8 2.3 7.0 6.9 0.1		
Rented Electric Other	53,626 53,626	19, 896 19, 896	8, 560 8, 560	549, 176 540, 757 8, 419	192, 308 188, 702 3, 606	76, 745 74, 270 2, 475	45. 7 45. 0 0. 7	26.3 25.8 0.5	12.8 12.4 0.4		
Electric Rented Generated by establishments reporting	70,678 53,626 23,052	28, 992 19, 896 9, 096	12, 917 8, 560 4, 357	818, 271 540, 757 277, 514	311, 966 188, 702 123, 264	133, 064 74, 270 58, 794	100. 0 66. 1 33. 9	100, 0 60, 5 39, 5	100. 0 55. 8 44. 2		

Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.
 Not reported separately.

⁸ Less than one-tenth of 1 per cent.

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

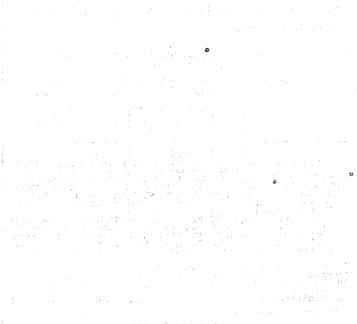
	co	\L .	Coke		Gasoline and	Gas
INDUSTRY AND CITY.	Anthracito (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).	(tons, 2,000 pounds).	Fuel oils (barrels).	other volatile oils (barrels).	
All industries	50, 516 95, 815 	8, 241, 877 5, 974, 604 37, 9	812, 041 460, 122 76. 5	1, 741, 039 781, 212 142. 1	150, 419 (1) (1)	2, 105, 985 2, 455, 572 —14, 2
Agricultural implements. Automobile bodies and parts. Automobiles. Brass, bronze, and copper products. Bread and other bakery products.	82 781 1,062 2,620 13,422	23, 040 238, 666 648, 913 75, 527 36, 107	4, 882 10, 862 69, 096 33, 560 25, 342	4, 465 73, 256 555, 839 127, 470 449	112 7, 969 70, 550 1, 596 1, 801	1, 722 160, 320 913, 381 195, 154 59, 011
Brick and tile, terra-cotta, and fire-clay products Butter Cars and general shop construction and repairs by steam-railroad companies Chemicals. Confectionery and ice cream.	42 190 473	82, 933 27, 851 100, 880 967, 341 9, 123	30 265 369 161, 828 370	114, 122 232 6, 700 14, 228 6	183 280 29 205 141	1, 532 552 49, 730
Copper, tin, and sheet-iron work. Electrical machinery, apparatus, and supplies. Electroplating. Engines, steam, gas, and water. Flour-mill and gristmill products.		1, 509 10, 210 722 74, 910 46, 841	57 140 13 10, 625 104	7 16 240 52, 752 2, 386	139 761 11 15, 475 1, 875	1, 222 38, 846 2, 109 40, 788
Foundry and machine-shop products. Furniture. Gas, illuminating and heating Hardware. Iron and steel, steel works and rolling mills.	2, 788 947 45 371	311, 949 126, 244 834, 391 6, 167 30, 481	135, 797 1, 422 3, 832 753 6, 038	99, 533 25 411, 562 555 32, 208	8, 263 509 23 1, 095	231, 574 11, 327 598 4, 406 1, 022
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills. Iron and steel, forgings, not made in steel works or rolling mills. Iron and steel, tempering and welding. Lime. Lime.	27	2, 386 38, 448 2, 004 4, 161 96, 944	211 437 78 7,092 3,013	10, 475 46, 152 1, 755 7, 135 2, 950	5 10 11 2,805 254	50 6,000 11,175 475
Machine tools. Marble and stone work Mineral and soda waters. Pottery. Printing and publishing, book and job.	124 154	9, 491 559 5, 877 16, 008 6, 651	66 148 77	4, 244 51 42 6, 785 10	6,050 1,044 146 130	102, 948 460 1, 228 49, 189 8, 624
Printing and publishing, newspapers and poriodicals. Screws, machine. Shipbuilding, steel, new vessels and small boats. Springs, steel, car and carriage, not made in steel works or rolling mills. Stamped ware, not elsewhere specified.	18	6, 928 4, 300 78, 564 2, 007 5, 824	245 25 2, 685 25 28	1, 137 2, 900 30, 456 49, 295 164	5,701	20, 705 5, 100 18, 930 1, 250
Stoves and hot-air furnaces. Structural ironwork, not made in steel works or rolling mills Tools, not elsewhere specified. Wirework, not elsewhere specified All other industries.	. 114 . 17 . 20,138	$\begin{array}{r} 32,754\\12,491\\5,768\\10,149\\4,246,758\end{array}$	$\begin{array}{c} 15,561\\ 1,557\\ 240\\ 251\\ 314,017\end{array}$	8 30, 336 1, 086 945 49, 062	2, 881 2, 186	9, 298 2, 808 11, 687 4, 061 132, 703
¹ Included in figures for fuel oils.		² A minus s	ign () denote	s decrease.	1111 A.	

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

	co	AL.	G-1-		Charlin .	A a a
INDUSTRY AND CITY.	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).	Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
Total for cities	28, 594	4, 708, 982	469,818	1, 544, 277	129, 404	1, 892, 9
NRIAN PENA IN ARBOR ITLE CREEK Y CITY	285 	25, 554 177, 649 36, 023 179, 255 52, 399	882 404 254 7,037 8,851	24 3 4,233 8,095 1,066	1, 860 241 288 324 2, 356	8 119, 18 3, 90 3, 24
ENTON HARBOR ETROIT CANABA INT LAND RAPIDS	15,747 9 136	39, 204 1, 626, 226 8, 704 190, 275 280, 937	1,709 178,236 1,186 8,454 15,319	20, 875 795, 769 4, 365 128, 725 37, 793	2, 527 64, 946 12 9, 565 1, 104	93 896, 1 253, 5 25, 8
DLLAND ONWOOD IPEMING CESON	·· 34 ·· 52 ·· 166	40, 612 1, 828 5, 346 83, 582 240, 434	1, 179 522 1, 703 5, 703	30 2, 154 3 55, 795 12, 031	28 10 3,343 2,337	50, 2 3 2 34, 4 3, 6
INSING RQUETTE DROE JSKEGON	12	184, 550	6,988 689 659 10,157	68, 360 108 205 17, 202	14, 413 4 107 5, 321	114,6 1,4 8 12,2
WOSSO NTIAC NT HURON	98 329		2,006 15,596 5,176 5,511	54 49,637 12,079 10,422	239 6,687 286 585	7, 0 26, 1 7 31, 6
ult Ste. Marie laverse City. yandotte L Other Cities ¹	155	563, 442	63, 493 62 61, 347 66, 695	877 314, 372	9 23 6 12,783	9,5 1,0 1,6 293,3

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SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for 11 of these industries in Michigan are here presented.

Automobiles, including bodies and parts (Table 19).— This table shows the number and value of the different classes of automobiles manufactured, as reported at the censuses of 1919, 1914, and 1909.

Although the figures in the table show large increases in the number of the different classes of automobiles manufactured in 1919 as compared with preceding censuses, they are somewhat misleading owing to a change in the character of operations of one large establishment. In 1914 and 1909 this plant reported a large number of completed automobiles, while in 1919 the greater part of its production was reported as "bodies and parts," the completed machines being reported by assembling plants owned by the same company and located at various places throughout the United States.

Of the total number of automobiles produced in Michigan in 1919, 364,184, or over one-half, were rated as having 20 but less than 30 horsepower. In 1914 the corresponding figures were 313,395 out of a total of 443,072. The remainder was distributed in groups according to horsepower ratings as follows: Three hundred and fifty-seven were of less than 10 horsepower in 1919, as compared with 1,937 in 1914; 163,948 were of 10 but less than 20 horsepower, against 39,250; and 160,681 were of 30 to 50 horsepower, as compared with 79,254. In 1919 no automobiles were reported as having a horsepower rating of 50 and over, while in 1914 there were 9,236 classified in this group.

TABLE 19.—AUTOMOBILES, "INCLUDING BODIES AND PARTS: 1919, 1914, AND 1909.

	1	919	1	914	1909			
	Num- ber.	Value,	Num- ber.	Value.	Num- ber.	Value.		
Total value		Dollars. 1,620,383,356		Dollars. 398, 289, 022		Dollars. 96, 651, 451		
Automobiles, total Pleasure vehicles Touring cars Closed cars	689, 170 626, 853 509, 830 54, 573	642, 925, 814 483, 103, 499	1437.083	303, 774, 254 295, 553, 172 251, 609, 056 10, 636, 264	63.883	68.756.909		
Roadsters, runabouts, and all other Business vehicles Delivery wagons Trucks	$ \begin{array}{c} 62,450\\ 62,317\\ 12,912\\ 47,442 \end{array} $	84,078,544 11,294,203 70,169,104	5, 989 1, 295 4, 684	8, 221, 082 970, 569 7, 220, 321	917 401 372	1,602,840 319,071 994,311		
All other Chassis Trailers All other products, in-	1,963 41,247 5,451	51, 624, 485	(1)	30, 192		(1) (1)		
cluding bodies and parts and repairs		840, 017, 175		94, 514, 768		26, 291, 702		

1 Not reported separately.

Shipbuilding, including boat building (Tables 20 and 21).—This industry includes the building and

repairing of steel and wooden vessels, as well as small craft, and the manufacture of masts, spars, oars, and the rigging of vessels. Comparisons of the 1919 figures for this industry, unlike those for any other for which tables are presented, are made with those of the special census for shipbuilding, taken in 1916.

TABLE 20.—Shipbuilding, Including Boat Building—Number and Tonnage: 1919 and 1916.

	:	1919	1	916
	Num- ber.	Gross tonnage.	Num- ber.	Gross ton- nage.
Vessels, 5 gross tons and over, launched during the year.	131	208,602	29	38, 3
SteelSteam	126 121	206,912 206,162	19 12	37,9 35,6
Motor Unrigged Wooden Steam Motor Vasient	5 5 5	750 1,690 1,690	7 10 1 9	2,2 4 3 1
Unrigged	50		,172	,

The gross tonnage of iron and steel vessels launched, which was 37,906 in 1916, increased to 206,912 in 1919. Forty-three steel vessels, with a total of 97,249 gross tons, were launched at Detroit; 29 vessels, with 71,567 gross tons, at River Rouge; 6 vessels, with 14,096 gross tons, at Saginaw; and 48 vessels, with 24,000 gross tons, at Dearborn. Of the 126 vessels launched, 73, with 182,162 gross tonnage, were for ocean freight service; 5, aggregating 750 gross tons, were coal barges for the United States Navy; and 48, with 24,000 gross tonnage, were Eagle patrol boats.

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

TABLE 21.—Shipbuilding, Including BOAT Building—Value: 1919 and 1916.

	1919	1916
Total value of work	\$85,154,702	\$5, 637, 103
Work done during the year on new vessels, 5 gross tons and over	$\begin{array}{c} 82,508,048\\ 81,454,048\\ 1,054,000\\ 171,852\\ 103,259\\ 08,593\\ 1,567,132 \end{array}$	3, 371, 759 3, 255, 904 115, 855 150, 043 130, 184 25, 859 1, 455, 258
Ropair work Steel Wood All other products	1, 507, 132 828, 595 738, 537 907, 670	890, 602 564, 650 654, 045

Paper and wood pulp (Table 22).—This table shows the quantity and cost of the principal materials used, the quantity and value of the various products, and detailed information regarding equipment, for 1919, 1914, and 1909.

Michigan ranked fifth among the states in the manufacture of paper and wood pulp in 1919. Of the 39 paper and pulp mills in the state in 1919, 4 were engaged exclusively in the manufacture of wood pulp, 27 made paper only, and 8 produced both pulp and paper.

TABLE 22 .- PAPER AND WOOD PULP: 1919, 1914, AND 1909.

and the second	1919	1914	1909
MATERIALS.			• • • • • • • • • • • • • • • • • • •
Total cost	\$40, 353, 447	\$14, 544, 945	\$9, 024, 595
Pulp wood: Cords Cost	207, 234 \$2, 586, 808	182, 314 \$1, 270, 466	132, 846 \$858, 230
Wood pulp purchased: Tons	106, 918	78,488	60, 750
Cost Ground— Tons	\$9, 617, 530 9, 918	\$3, 100, 096	\$2, 405, 975 15, 320
Cost Soda fiber 1—	\$341, 842	17, 511 \$357, 006	\$384, 489
Tons. Cost Sulphite fiber—	13,030 \$1,185,726	12,833 \$581,101	16, 360 \$691, 514
Tons. Cost. Sulphate fiber—	67, 781 \$6, 906, 262	42, 765 \$2, 022, 035	29, 070 \$1, 329, 972
Tons Cost Screenings, mechanical and chem-	12, 894 \$1, 073, 344	4,098 \$170,028	(1) (2)
ical— Tons. Cost Rags, including cotton and flax waste	8, 295 \$110, 356	1, 281 \$29, 926	(2) (2)
and sweepings: Tons. Cost. Paper stock, moluding high-grade shav- ings and old and waste paper: ⁸	9,675 \$1,202,231	16,006 \$425,935	11, 939 \$383, 886
Tons	300, 908 \$9, 084, 955	200, 370 \$3, 419, 791	114, 497 \$2, 193, 302
China clay, domestic and foreign: Tons. Cost.	34, 375 \$638, 265	(2) (2)	(2) (2)
Bleaching powder: Tons Cost Fuel and rent of power, cost	5, 631 \$245, 299 \$3, 925, 143	(2) (2) \$1, 467, 613	(2) (1) \$958, 147
All other materials, cost ⁴	\$13, 058, 216	\$4, 801, 044	\$2, 225, 055
PRODUCTS.			1.1. 20.1. (c)
Total value	\$66, 299, 513	\$22, 049, 990	\$13, 922, 124
Book, cover, plate, and coated paper: Tons Value	156, 598 \$25, 690, 000	118, 991 \$10, 075, 238	85, 048 \$6, 499, 865
Fine paper: Tons. Value.	26, 332 \$6, 617, 961	17, 463 \$1, 880, 801	5,032 \$705,772
Wrapping paper: Tons. Value	53, 643 \$6, 893, 109	59,873 \$3,427,732	50, 328 \$2, 799, 583
Boards: Tons Value	215, 553 \$15, 000, 415.	109, 360 \$3, 633, 395	56, 342 \$1, 866, 436
All other paper: Tons Value Wood pulp made for sale or for con- sumption in mills other than where	29, 383 \$6, 394, 483	36, 935 \$1, 692, 933	36, 411 \$1, 709, 006
produced: Tons. Value. Wood pulp produced (including that used implies unders produced)	31, 378 \$2, 249, 301	16, 464 \$549, 031	8, 199 \$300, 948
used in mills where manufactured), total tons Ground, tons Sulphite fiber, tons Other chemical fiber, tons	106, 497 16, 980 71, 959 17, 558	81, 451 17, 280 53, 358 10, 813	65, 331 12, 273 53, 058
All other products, value	\$3, 454, 244	\$790, 860	\$40, 514
EQUIPMENT.	-		
Paper machines: Total number	83	81	68
Capacity, yearly, tons Fourdrinier— Number	578, 380 55	430, 077 55	301, 3 45 43
Capacity per 24 hours, tons Cylinder—	923	809	573 25
Number Capacity per 24 hours, tons Pulp equipment:	28 962	26 619	321
Grinders, number Digesters, number. Capacity, yearly, tons of pulp, total. Mechanical, tons Chemical, tons	19 36 139, 878 35, 974 103, 904	19 29 93, 186 24, 510 68, 676	17 27 74, 932 18, 303 56, 629

1 Reported as "Other chemical fiber" in 1914 and 1909.

Not reported say "Other chemical fiber" in 1914 and 1969.
Reported as "Old and waste paper" in 1914 and 1909.
Includes sizing, chemicals, sulphur, dyestuffs, and mill supplies.

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Book paper was the principal product of the industry at each census, forming 38.8 per cent of the total value of products in 1919. Boards was the next product in importance, representing 22.6 per cent of the total value. To avoid disclosing the data of individual establishments, it was necessary to include the value of tissue paper, tag stock, and various other grades in the item "All other products."

Butter, cheese, and condensed milk (Table 23) .---This table shows the quantity and value of the several products of the industry for 1919, 1914, and 1909.

Michigan was the fourth state in 1919 in the production of butter, cheese, and condensed-milk factory products. The states that exceeded it in the total value of these products were Wisconsin, New York, and Minnesota, in the order given. Michigan was the seventh state in the production of butter, fourth in the production of cheese, and fifth in the production of condensed milk.

Of the total value of products, butter formed 44.8 per cent; cheese, 5.3 per cent; and condensed milk, 37.7 per cent. The total value of products increased \$43,237,001, or 200.6 per cent, during the five-year period 1914 to 1919. Values increased to such a degree, influenced largely by industrial conditions brought about by the World War, that they can not properly be used to measure the growth of manufactures between the industrial censuses of 1914 and 1919.

TABLE 23.-BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919	1914	1909
Total value 1	\$64, 786, 598	\$21, 549, 597	\$14, 287, 499
Butter:			
Pounds	55, 842, 680	43, 220, 077	35, 511, 760
Value.	\$29,041,657	\$12, 416, 504	\$10,043,137
Packed solid-			
Pounds	29, 358, 134	32, 925, 588	30, 328, 760
Value	\$16,650,919	\$9,365,152	\$8,586,270
Prints or rolls-			
Pounds	26, 484, 546	10, 294, 489	5, 183, 000
Value	\$12, 390, 738	\$3, 051, 352	\$1,456,867
Cream sold:			1
Pounds	6, 173, 016	7,604,889	2, 572, 764
Value	\$1,475,030	\$901,054	\$249,276
0110030,	10 057 020	10 000 145	10 000 100
Pounds Value	12,857,230	13, 267, 145 \$1, 773, 576	13, 382, 160
Full-cream-	\$3, 454, 423	ai, 113, 210	\$1,911,875
Pounds	9,201,576	11,045,713	13,028,317
Value	\$2,928,357	\$1, 588, 656	\$1,860,879
Other kinds	00,001		01,000,010
Pounds	3,655,654	2, 221, 432	353, 843
Value	\$526,066	\$184,920	\$50,996
Condensed and evaporated milk;	40-0 ,000	Q101,010	400,000
Pounds	181,700,256	76, 514, 655	32, 404, 944
Value	\$24, 422, 946	76, 514, 655 \$5, 200, 640	\$1,924,621
Sweetened-			
Pounds	63,915,861	37,057,100	27,695,866
Value	\$10,442,798	\$2,930,006	\$1,693,030
Unsweetened—			
Pounds	117,784,395	39, 457, 555	4,709,078
Value	\$13,980,148	\$2,270,634	\$231,591
All other butter, cheese, and condensed-	ar 171 101	0050 010	A107 070
milk factory products, value	\$5,551,485	\$650,716	\$105,378
All other products, value	\$841,057	\$607,107	\$53, 212

¹ In addition, in 1919, butter valued at \$39,170 was manufactured in establish-ments engaged primarily in the manufacture of products other than those covered by the industry designation.

A consideration of quantity production will give a unit of measure for comparative purposes. During the five-year period 1914 to 1919 butter increased in quantity 12,622,603 pounds, or 29.2 per cent; cheese decreased 409,915 pounds, or 3.1 per cent; and condensed milk increased 105,185,601 pounds, or 137.5 per cent. The remarkable growth of the condensedmilk industry was due largely to the increased production of unsweetened condensed milk, the output of which in 1919 formed 64.8 per cent of the total condensed and evaporated milk reported.

Slaughtering and meat packing (Table 24).—This table presents detailed statistics for materials and products for the census years 1919, 1914, and 1909.

TABLE 24 SLAUGHTERING	AND MEAT	PACKING:	1919,	1914, AND	,
	1909.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			

	1919	1914	1909
MATERIALS.			
Total cost	\$19, 774, 348	\$18, 813, 865	\$11, 253, 120
Animalsslaughtered, cost	\$45, 783, 152	\$17,054,123	\$9,498,922
Beeves- Number Cost.	106,975 \$8,652,036	62,035 \$3,715,884	50, 157 \$2, 072, 350
Calves	74,242 \$1,876,206	24,505 \$368,055	27, 284 \$288, 412
Sheep and lambs— Number. Cost.	193, 345 \$2, 010, 375	125,537 \$644,913	88, 285 \$404, 087
Hogs	881,030 \$33,244,535	761, 380 \$12, 325, 271	444, 756 \$6, 734, 073
All other materials, cost	\$3, 991, 196	\$1,759,742	\$1,754,198
PRODUCTS.			
Total value	\$59, 584, 740	\$20, 665, 737	\$12, 842, 201
Fresh meat, value	\$31, 010, 401	\$9, 883, 613	\$4,656,040
Beef— Pounds. Value.	44, 582, 286 \$7, 669, 863	28,050,744 \$3,517,274	24, 099, 494 \$1, 931, 128
Veal— Pounds. Value.	7, 215, 770 \$1, 808, 948	2, 800, 785 \$408, 809	2,603,074 \$309,568
Mutton and lamb— Pounds Value	6,757,427 \$1,767,650	4, 782, 158 \$608, 761	3, 509, 894 \$363, 474
Pork Pounds Value	74, 392, 478 \$19, 111, 083	30, 382, 616 \$5, 232, 513	16, 479, 567 \$2, 014, 770
Value. Edible offal, and other fresh meat- Pounds. Value.	5, 272, 424 \$652, 857	1, 278, 456 \$116, 256	631,000 \$37,100
Pork, pickled and other cured: Pounds Value	53, 360, 220 \$13, 762, 791	43,017,100 \$5,697,111	36, 145, 040 \$ 4, 707, 180
Sausage: Pounds Value.	10, 758, 438 \$2, 582, 906	8,409,965 \$1,103,762	8, 174, 244 \$804, 620
Tallow: Pounds Value	3, 041, 759 \$449, 496	1, 496, 222 \$106, 308	751, 470 \$38, 531
Lard: Pounds Value.	26,271,409 \$7,078,212	27, 342, 302 \$2, 744, 866	13,351,255 \$1,859,703
Grease and soap stock: Pounds. Value. Fertilizers and fertilizer materials:	5, 326, 001 \$809, 048	2,766,045 \$165,617	(1) (1)
Tons Valu e	8,527 \$505,787	(3) (2)	(*) (*) (*)
Hidesand pelts: Cattl o —			
Number Pounds Value	106,975 5,398,013 \$1,839,138	62,035 3,457,996 \$531,873	57, 635
Calf— Number. Pounds. Value.	37,137 452,770 \$265,807	9,716 118,828 \$20,772	57,635 2,982,942 \$365,080
Sheep— Number Value.	192,998 \$619,420	125, 534 \$128, 392	88, 285 \$94, 862
All other products, value	\$661,734	\$283,423	\$316, 185

¹ Not reported separately. ³ Included in "All other products" to avoid disclosing individual operations. "All other materials" includes the cost of poultry, dressed meat purchased for curing, cottonseed oil, refrigeration, curing materials, seasoning, fuel, rent of power, containers, mill supplies, and freight; and "All other products" includes the value of beef, pickled and other cured, compound lard, casings, and hog and cattle hair.

The industry made a substantial growth in the last census period, as indicated by the increase of 282,135, or 29 per cent, in the total number of animals slaughtered. This was not as rapid as that from 1909 to 1914, when the increase in the number slaughtered was 362,975, or 59.4 per cent. The increase in the cost of animals slaughtered, however, from 1914 to 1919, was \$28,729,029, or 167.3 per cent.

The industry is centered in Detroit, with a production of \$57,648,125, or 96.7 per cent of the entire product of the state.

Leather, tanned, curried, and finished (Table 25).— This table gives for 1919, 1914, and 1909 the quantity and cost of materials used and the quantity and value of the principal products.

The number of cattle hides treated decreased by 439,211, or 25.7 per cent, in 1919 as compared with 1914; and by 161,144, or 11.3 per cent, as compared with 1909. Despite this decrease the total cost of the hides was considerably greater than at previous censuses. All other raw stock, which consisted principally of horsehides, and calf, kip, and sheep skins, showed an increase of 798 per cent for the census period 1914 to 1919. Fuel, rent of power, and all other materials also showed substantial increases for the same period.

TABLE 25.—LEATHER, TANNED, CURRIED, AND FINISHED: 1919, 1914, AND 1909.

u Baltan Alexandra da Carlo de Carlo d		<u> </u>	
	1919	1914	1909
MATERIALS,			
Total cost	\$32, 451, 798	\$20,982,247	\$12, 120, 971
Cattle hides: Number Cost	1,260,741 \$17,295,185	1,708,952 \$15,807,830	1, 430, 885 \$8, 022, 645
All other raw stock, cost Fuel and rent of power, cost All other materials, cost	\$6,532,698 \$766,723 \$7,857,197	\$727,628 \$290,913 \$4,155,876	\$1,055,188 \$194,423 \$2,848,715
PRODUCTS.		an a	
Total value	\$45, 800, 786	\$25, 503, 573	\$15,331,104
Leather: Sole— Sides. Valua Upper (other than patent), value	1,149,381 \$11,646,441 \$14,873,789	1,871,940 \$12,641,509 \$4,323,597	1,603,512 \$7,326,270 1 \$8,087,868
Upholstery (automobile, furniture, and carriage), value	\$4, 405, 467	\$1,895,076	\$5,722
Sides. Value All other, value	239, 588 \$3, 285, 618 \$4, 365, 514	403, 346 \$2, 580, 218 \$3, 493, 485	214,879 \$1,210,132 \$3,311,462
All other products, value Work on materials for others, value	\$905,385 \$6,318,572	\$451,361 \$618,327	\$225, 619 \$164, 025

¹ Does not include upper leather made from skins.

The total value of products increased in 1919 by \$20,297,213, or 79.6 per cent, as compared with 1914. Upper leather (other than patent), with an increase of \$10,550,192, or 244 per cent, made the greatest gain. Upholstery and harness leather showed greater values in 1919 than 1914, but sole leather showed a lesser value. Both sole and harness leather fell off in production, the former especially, showing a decrease of 722,559 sides, or 38.6 per cent. "All other leather" covers case, bag, and strap, glove, horse, finished splits, bookbinders' leather, etc.

"All other products," consisting of wool, hair, etc., has doubled since 1914, and the amount received for tanning, currying, and finishing for others was more than ten times as great in 1919 as it was in 1914.

Flour-mill and gristmill products (Table 26).—This table presents the quantity and value of the principal kinds of products of flour mills and gristmills for the census years 1919, 1914, and 1909.

Although there was a general decrease in quantities in 1919 for all important products of this industry, as compared with 1914, it was still one of the leading industries in the state. This decrease was probably due to the decrease in acreage and the scarcity of labor for agricultural purposes.

Wheat flour, the product of greatest value in the industry, formed 64.3 per cent of the total value of products in 1919 and 58.6 per cent in 1914.

TABLE 26.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

 The second s	1919	1914	1909
Products, total value	\$44, 144, 434	\$27, 381, 474	\$34,860,803
Wheat flour: Barrels Value	2,537,386 \$28,366,273	3,056,744 \$16,056,643	3,447,800 \$18,838,591
Rye flour: Barrels Value	137,750 \$1,248,024	. 74,662 \$377,707	61, 963 \$266, 698
Corn meal and corn flour: Barrels	94,175 \$812,361	131, 646 \$461, 630	177,189 \$606,708
Buckwheat flour: Pounds Value Bran and middlings:	7, 981, 873 \$596, 503	15, 773, 491 \$447, 545	20, 161, 026 \$547, 024
Tons Value Feed and offal:	103,752 \$4,548,649	149, 893 \$3, 298, 041	520, 810
Teen and onta. Tons	135, 199 \$8, 342, 228	216,760 \$6,350,156	\$10,870,400
All other cereal products, value All other products, value	\$212, 861 \$17, 535	\$291,053 \$98,699	\$319,937 \$311,361

Beet sugar (Table 27).—This table shows the quantity of domestic sugar beets used in the production of beet sugar during 1919, 1914, and 1909, and the quantity and value of the different products made from sugar beets.

In 1914 Michigan ranked third in value of products among the states producing beet sugar, being exceeded by California and Colorado while in 1919 its rank was second, being exceeded only by Colorado.

TABLE 27.-BEET SUGAR: 1919, 1914, AND 1909.

	1919	1914	1909
Beets used, tons	992, 938	862, 053	816, 609
Products, total value	\$26, 378, 870	\$11, 023, 058	\$10, 476, 876
Sugar: Grannlated— Tons. Value. Raw— Tons. Value. Molasses: Gallons. Value. Pulp, value.	122, 539 \$23, 887, 805 169 \$12, 505 3, 435, 572 \$504, 445 \$1, 860, 475	111, 570 \$9, 944, 717 805 \$22, 239 4, 133, 121 \$277, 266 \$778, 836	103, 864 \$9, 756, 587 551 \$41, 404 5, 016, 748 \$337, 200 \$339, 025
All other products, value	\$113,640		\$2,660

Chemicals (Table 28).—This table presents the statistics of products for the chemical industries in 1919. The production includes all products reported by 40 establishments engaged primarily in the manufacture of chemicals, including those of coal-tar origin, and subsidiary chemicals to the value of \$3,194,793 manufactured by establishments included under other industry classifications.

In 1914 there were 36 establishments with products valued at \$13,891,415 and in 1909, 36 establishments with products of \$12,890,000 in value, these figures being comparable with the 40 establishments and the products of the classified industries, valued at \$38,667,887 in 1919. The increase in value of products for the period 1914 to 1919 was at the rate of 201 per cent, and for 1909 to 1914, 8 per cent.

A considerable portion of the production was made with the aid of electricity. The value of the chemicals made by electrochemical or electrometallurgical methods was \$10,284,831, equal to 27.2 per cent of all chemicals for the state, and 14.2 per cent of all electrochemical and electrometallurgical chemicals in the United States.

TABLE 28.—CHEMICALS: 1919.	
	1919
Products, total value	\$ 41, 872, 200
The classified industries: Chemicals	87, 850, 834 817, 053 3, 204, 313
Acids Sodas, sodium, and compounds Potash Bleaching compounds. Compressed and liquefied gases. Other chemicals	942, 011 22, 131, 154 588, 834 1, 267, 678 1, 527, 723 13, 437, 068
All other products, value	1,977,732

Printing and publishing (Table 29).—This table shows the number and aggregate circulation per issue for all publications reported in Michigan for the census years 1919, 1914, and 1909.

Although the total number of publications decreased during the five-year period 1914 to 1919 there was

an increase of 564,842, or 15.6 per cent, in their aggregate circulation. The increase in the circulation of dailies was 131,668, or 14.8 per cent. Of these dailies, 17 were published in the morning, reporting a circulation of 274,911, and 56, with a circulation of 745,738, were published in the afternoon. These increases in circulation were 12.3 and 15.8 per cent, respectively, over the figures reported for 1914.

During the five years the circulation of weekly newspapers and periodicals increased 310,846, or 9.2 per cent.

The foreign-language publications numbered 39 with an aggregate circulation of 201,509, as compared with 53 in 1914 with a circulation of 169,612. The great increase in circulation was principally in publications printed in Polish. In 1914 there were reported for this language 3 dailies, 1 Sunday, 1 weekly, 1 semiweekly, and 1 monthly publication, the total circulation being 43,793. In 1919 there were 3 dailies, 1 Sunday, and 4 weeklies with a total circulation of 92,409. Other foreign-language publications were 1 daily and 1 Sunday in German; 1 daily and 1 Sunday in Yiddish; 1 weekly in Croatian; 4 weeklies, 1 triweekly, and 2 monthlies in Dutch; 2 weeklies, 2 triweeklies, 3 monthlies, 1 semimonthly, and 1 quarterly in Finnish; 1 weekly and 1 monthly in Hungarian; 2 weeklies and 1 triweekly in Italian; 1 weekly each in Flemish, Slovenian, Swedish, and English and German; and 1 monthly in Magyar.

PERIOD OF ISSUE.		MBER		AGGREGA	TE CIRCULAI ISSUE.	'ION PER
	1919	1914	1909	1919	1914	1909
Total	630	736	747	4, 192, 771	3, 627, 929	2, 766, 282
Daily. Sunday. Semiweekly. Triweekly. Weekly. Semimonthly. Monthly. Quarterly ¹ .	14 6 5 443	80 14 21 7 517 7 81 6	87 15 28 6 526 4 73 8	$\begin{array}{r} \textbf{1,020,649}\\ \textbf{507,916}\\ \textbf{6,854}\\ \textbf{18,150}\\ \textbf{1,104,022}\\ \textbf{14,200}\\ \textbf{1,464,830}\\ \textbf{56,150} \end{array}$	888, 981 342, 163 33, 080 12, 803 793, 176 106, 437 1, 428, 880 22, 400	681, 919 256, 583 66, 560 16, 080 750, 298 13, 991 927, 601 53, 250

TABLE 29.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

¹Includes in 1919, 2 bimonthlies; in 1914, 1 bimonthly and 1 semiannual; and in 1909, 2 bimonthly and 2 "All other" publications.

Lumber and timber products (Table 30).—This table presents statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. Michigan has been prominent in the lumber industry in the United States for the past 80 years, and was the leading state in the production of lumber in 1869, 1879, and 1889. In 1899 it occupied second place. The

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state's rank in production has decreased rapidly, and in 1909 it ranked tenth; in 1914, thirteenth; and in 1919, fourteenth.

Until 1904 the cut consisted principally of white pine. This wood has been largely cut out, and in 1919 60 per cent of the total cut of the state was from hard woods, the principal species being maple. In the production of lumber from this wood the state ranked first. In 1919 the cut from all woods decreased 27.9 per cent compared with that for 1914, and 53.7 per cent compared with that for 1909.

The lumber cut from the principal species in 1919 was reported as follows: Maple 321,409,000 feet, or 36.7 per cent of the total cut from all species in the state; hemlock 267,824,000 feet, or 30.6 per cent; birch 63,533,000 feet, or 7.3 per cent; white pine 57,501,000 feet, or 6.6 per cent; beech 49,125,000 feet, or 5.6 per cent; basswood 33,532,000 feet, or 3.8 per cent; and elm 30,745,000 feet, or 3.5 per cent. Among other woods sawed into lumber in considerable quantities were oak, larch, and spruce.

TABLE 30.-LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

		QUANTITY,1	
PRODUCT.	1919	1914	1909
Lumber	875, 891 51, 469 144, 173	1, 214, 435	1, 889, 724 218, 308 891, 649

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

Laundries (Table 31).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 31, however, summarizes the statistics for such laundries in Michigan for 1919 and 1914.

TABLE 31.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER O	R AMOUNT.	Percen ofin-
	1919	1914	crease, 1914-191
Fumber of establishments. ersons engaged Proprietors and firm members Salaried employees. Wage earners (avorage number) rimary horsepower. apital alaries and wages. Salaries. Wages. Wages. Salaries. Wages. Salaries. Wages. Salaries. Wages. Salaries. Wages. Salaries. Wages. Salaries. Wages. Salaries. Wages. Salaries. Mages. Mages. Salaries. Mages.	5,740 218 615 4,013 7,161 \$5,421,084 4,725,134 035,055 8,789,170 20,372 210,054 210,0470	234 5,037 270 4,002 \$,6457 \$,3,172,343 2,640,264 4,658,140 2,161,118 675 151,940 928,502 5,115,288	$\begin{array}{c} -15.\\ 1.\\ -19.\\ 32.\\ 0.\\ 10.\\ 70.\\ 80.\\ 104.\\ 75.\\ 3,807.\\ 38.\\ 136.\\ 84.\\ \end{array}$

1 A minus sign (-) denotes decrease.

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Dyeing and cleaning (Table 32).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 32 .- DYEING AND CLEANING: 1919.

					1				Number of
			- 				1.12		amount.
						· .	1		
umbe	r of establ	ishmon	t8	••••	,	•••••	•••••••	••••	. 8
Pro	nrietors a	nd firm	momt	bers.					
Sala	ried emp.	loyees							
Wa	go carners	(averag	go nun	iber)				6
mary	y horsepo	wer	• • • • • •	••••		••••	••••		
dia 1									
pital.	and wag	19.							956.7
aries Sele	and wage	35	• • • • • •	••••				• • • • • • • • • • •	956,7
aries Sala Wa	and wage ries	38	 				• • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	956,7 164,4 792,3
aries Sala Waj id foi	and wago ries ges	work.	· · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		956,7 164,4
aries Sala Waj id foi nt ar	and wago ries contract d taxes	work		· · · · · ·	,		· · · · · · · · · · · · · · · · · · ·		956,7 164,4 10,3 10,3 10,3
laries Sala Waj Lid foi Int ar	and wago ries contract d taxes	work	 	· · · · ·	,				956,7 164,4 792,3 10,3 83,3 445,5

Custom sawmills and custom gristmills (Tables 33 and 34).—Statistics for custom sawmills and custom · gristmills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914. Tables 33 and 34, however, summarize the statistics for such mills for 1919 and 1909. The value of products for custom sawmills represents the amount charged for

Table 35 gives, for 1919, 1914, and 1909, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for selected industries in the state and in the cities of Detroit, Grand Rapids, and Saginaw; and for Flint and Lansing and each of the cities in the state having from 10,000 to 50,000 inhabitants, for which comparative figures are available, similar data for all industries combined. the work performed, and that for custom gristmills the selling value of the grain milled.

TABLE 33.-CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OF	R AMOUNT.	Per
	1919	1909	of in- crease 1909- 1919,
Number of establishments. Persons engaged. Proprietors and firm members.	199 128	197 580 271 3	-47. -65. -52.
Salaried employees. Wage earners (average number). Primary horsepower. Capital. Salaries and wages. Salaries.	2, 576 \$148, 240	306 4, 894 \$322, 255 103, 029 370	$ \begin{array}{r} -76 \\ -47 \\ -54 \\ -56 \end{array} $
Wages. Wages. Cost of materials! Amount received for work done.	44, 986 1, 665 8, 665	102, 659 2, 064 4, 051 236, 209	-56 -19 113 -60
¹ A minus sign () deno TABLE 34. —CUSTOM GRISTM		and 1909.	
¹ A minus sign (—) dena			
¹ A minus sign (—) dena	ILLS: 1919		of in creas 1909-
¹ A minus sign () deno TABLE 34. —CUSTOM GRISTM Number of establishments Persons engaged Proprietors and firm members Solgied employees	11125: 1919 NUMBER 0 1919 185 313 183 24	R AMOUNT. 1909 208 357 256 8	cent of in creas 1909- 1919-
¹ A minus sign () deno TABLE 34. —CUSTOM GRISTM	11125: 1919 NUMBER 0 1919 185 313 183 24 106 6,808 \$1,558,117 151,011 281,159	R AMOUNT. 1909 208 357 256	Per cent of in 1909- 1919- 11 12 28

GENERAL TABLES.

Table 36 presents, for 1919, for the state as a whole and for each city having a population of more than 50,000, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments; and the statistics for all industries combined for each of the cities in the state having from 10,000 to 50,000 inhabitants, for which figures can be given without disclosing the operations of individual establishments.

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TABLE 35.-COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Cen-	Num- ber of	age	Primary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- monts	Wage earners (aver- age num- ber).	Primary horse- power.	Wages,	Cost of mate- rials,	Value of prod- ucts.
	sus year.	estab- lish- ments			Expres	sed in tl of dollar	nousands s.	HADORINA WHY CLIFF					Expres	sed in th of dollars	ousands
		л Г	nie st	ATE-A	LL IND	USTRI	ES COME	INED AND SELECTEI) INI	USTF	IES.				an a
All industries	1919 1914 1909	8, 305 8, 724 9, 159	471,242 271,090 231,499	1,202,128 730, 383 598, 288	639,708 182,252 118,968	592,801	3,466,188 1,086,162 685,109	Coffins, burial cases, and undertakers' goods.	1919 1914 1909	24 23 18	416 540 439	1,087 1,077 711	379 315 208	$1,340 \\ 648 \\ 403$	2,522 1,355 1,085
Agricultural implements	1919 1914	23 30 32	2,708 2,143 2,359	6,197 5,941	$3,003 \\ 1,456 \\ 1,261$	5,048 2,640 2,890	11,091 7,731 9,273	Confectionery and ice cream. ²	1919 1914	184 124	1,746 1,187	3,738 2,774	1,462 555	$7,168 \\ 2,858 $	12, 627 4, 843
Artificial stone products	1909 1919 1914	191 217	2,339 480 483 514	5,195 834 1,258 634	612 306 255	980 400 349	2,434 1,060 908	Cooperage and wooden goods, not elsewhere specified.	1919 1914 1909	53 82 101	1,067 1,967 2,642	4,553 7,316 8,500	765 912 1,016	1,970 2,063 2,004	3, 880 3, 839 3, 989
Automobiles, including bodies and parts.	1909 1919 1914	191 271 205	175,985 67,538		272,989	959,767 219,215 53,882	1, 620, 383 398, 289 96, 651	Copper, tin, and sheet- iron products. ³	1919 1914 1909	142 162 152	2,797 2,397 2,380	2,781 2,789 1,875	3,270 1,437 1,122	8,230 2,807 2,545	16,058 5,050 4,929
Awnings, tents, and sails.	1909 1919 1914	113 22 24	25, 444 190 154 129	25,938 117 45 44	213 104 67	920 261 199	1,645 502 349	Corsets	1919 1914 1909	12 16 14	$1,529 \\ 2,149 \\ 2,461$	724 959 734	1,031 873 835	2,913 1,899 1,877	7,298 4,982 4,368
Baskets, and rattan and willow ware.	1909 1919 1914	17 9 13	296 238 373	263 574 900	216 113 159	198 285 174	539 537 480	Cutlery and tools, not elsewhere specified.	1919 1914 1909	94 28 37	3,352 453 668	$3,662 \\ 1,194 \\ 1,379$	4, 810 320 307	3,597 387 384	12,078 965 1,124
Boots and shoes	1909 1919 1914 1909	18 15 24 23	1, 120 2, 035 2, 455	660 1,596 786	921 932 936	4, 184 3, 181 3, 341	6,046 5,357 5,256	Electrical machinery, apparatus, and supplies.	1919 1914 1909	54 35 40	4, 190 1, 144 1, 218	5,659 1,584 1,355	$4,685 \\ 658 \\ 494$	9,035 1,740 1,030	25,026 3,418 2,327
Boxes, paper and other, not elsewhere specified.	1919 1914	23 23 19	2,336 1,461	5,226 5,935	2, 161 748 447	5,286 2,131 1,618	10,935 3,748 2,653	Flour-mill and gristmill products.	1919 1914 1909	345 427 520	$1,128 \\ 1,370 \\ 1,530$	29, 928 35, 321 38, 991	1,257 860 806	88,185 23,299 29,359	44, 144 27, 381 34, 861
Brass, bronze, and copper products.	1909 1919 1914 1909	19 80 64 60	1,326 10,306 4,731 4,771	1,564 27,912 14,251 11,622	14,579 3,030 2,450	38, 849 11, 473 8, 993	62,708 16,869 13,890	Food preparations, not elsewhere specified.	1919 1914 1909	37 56 49	2, 483 1, 683 1, 303	12, 157 9, 760 8, 983	3,108 1,110 724	18,813 7,039 4,750	35,702 16,005 11,492
Bread and other bakery products.	1909 1919 1914 1909	944 922 816	5,088 4,014 2,637	6,339 3,479 1,953	5,895 2,459 1,444	28, 116 9, 308 6, 671	44,923 16,000 11,082	Foundry and machine- shop products.4	1919 1914 1909	975 705 654	64, 623 26, 497 21, 649	$134,422 \\ 52,085 \\ 34,152$	88,511 18,092 12,344	150, 120 27, 120 18, 711	324, 354 64, 576 45, 399
Brick, tile, pottery, and other clay products. ¹	1919 1914 1909	61	1,666 2,194 1,771	7,741 11,505 8,772	2,179 1,245 892	1, 579 1, 058 649	5,983 3,174 2,293	Fur goods	1919 1914 1909	31 85 31	426 380 619	117 508 232	412 183 287	1,282 818 984	2,444 1,680 2,284
Butter, cheese, and con- densed milk.	1919 1914 1909	: 318	2,194 1,367 1,073	9,136 6,659 4,776	2,483 803 554	55,906 18,463 12,377	64,787 21,550 14,287	Furniture and refrigera- tors.	1919 1914' 1909	183 202 202	20, 151 -16, 267 -16, 610	82,415 28,204 27,485	21,230 9,488 8,300	31,516 14,361 11,718	76,216 83,857 28,642
Canning and preserving, fruits and vegetables.	1919 1914 1909	52 49 72	2,109 1,687 1,311	4,185 3,712 2,216	1,135 583 391	7,971 2,640 1,442	11,172 4,422 2,368	(las and electric fixtures and lamps and reflec- tors.	1919 1914 1909	21 13 20	1,042 597 395	1, 847 993 380	1,519 445 219	2,910 936 642	6, 981 2, 094 1, 546
Carriages and wagons and materials.	1919 1914 1909	46 177	367 1,417 4,034	1,134 2,739 6,362	389 982 2,240	714 1,928 5,262	1,523 3,775 10,159	Gas, illuminating and heating.	1919 1914 1900	59 59 55	2,846 2,349 1,771	13, 593 4, 935 6, 055	$ \begin{array}{r} 3,965 \\ 1,584 \\ 1,096 \end{array} $	8,270 3,356 2,129	17, 993 10, 441 6, 748
Carriages and sleds, chil- dren's.	1919 1914 1909	10 8	799 462 555	609 598 484	737 224 214	1,397 443 257	3,410 970 682	Ice, manufactured	1919 1914 1909	18 11 5	742 443 87	8, 137 4, 433 1, 959	1,186 389 77	717 128 40	2,822 765 199
Cars and general shop con- struction and repairs by electric - railroad com-		15 18	1,401 885 574	849 413 1,704	2,088 629 318	1,625 632 949	3,828 1,326 1,301	Iron and steel, blast fur- naces.	1919 1914 1909	11 12 11	1, 101 991 1, 016	6, 367 14, 045 17, 403	1,710 782 632	10,298 3,877 4,224	13, 534 5, 450 5, 824
panies. Cars and general shop con- struction and repairs by steam-railroad com-		36	7,025 5,803 5,401	11,079 8,595 5,742	9,862 3,905 3,500	6, 229 3, 264 2, 916	17,223 7,569 6,838	Iron and steel, steel works and rolling mills.	1919 1914 1909	7 9 8	1,455 718 1,188	9, 142 4, 688 4, 290	2, 471 498 661	2,902 871 1,598	8, 345 1, 716 2, 670
panies. Cement	1919 1914 1909	11	1,387 1,340 1,306	35,470 24,158 21,773	1,739 975 826	3, 963 2, 408 1, 403	9,643 4,529 2,915	Iron and steel, forgings, not made in steel works or rolling mills.	1919 1914 1909	15 11 4	1, 596 552 307	$ \begin{array}{r} 6,757 \\ 1,532 \\ 483 \end{array} $	2,387 476 182	4, 862 807 240	8, 559 1, 498 602
Chemicals	1919 1914 1909	36 36	5,712 4,509 3,174	74,943 45,944 26,594	8,950 3,405 2,012	15,744 6,373 5,072	37,851 13,891 12,890	Knit goods	. 1919 1914 1909	31 34 35	3, 170 2, 714 2, 545	3, 073 3, 373 3, 291	2,114 1,006 789	$egin{array}{c} 0,790 \ 2,010 \ 2,017 \ 2,017 \ \end{array}$	12,039 5,233 4,020
Clothing, men's, includ- ing shirts.	1919 1914 1909	41 39	2,227 2,502 3,580	1,102 1,075 1,151	1,616 1,094 1,221	6, 632 2, 996 3, 389	10,916 5,306 6,532	Leather goods 5	. 1919 1914 1909	75 103 57	$ \begin{array}{r} 625 \\ 675 \\ 834 \end{array} $	463 462 760	603 379 434	2,309 1,413 1,458	4, 181 2, 420 2, 560
Clothing, women's		33 32	1,036	262 552 581	750 715 745	2,273 1,194 1,710	3,923 2,661 3,587	Leather, tanned, curried, and finished.	1919 1914 1909	28 23 24	3, 464 2, 773 2, 201	12,243 6,787 6,719	$ \begin{array}{r} 4,163 \\ 1,739 \\ 1,133 \end{array} $	32,452 20,082 12,121	45, 801 25, 504 15, 831
Coffee, reasting and grind- ing.		19 16	99 88	461 205 278	74 50	2, 133 1, 316	2, 514 1, 618	Liquors, malt		25 70	779	6,658	1,052 1,703	2,027 4,328	5,276 15,041 9,840

¹ Includes "sand-lime brick" in 1919 and 1914. ² Includes "chewing gum" in 1914. ³ Includes "stamped ware, not elsewhere specified" and "tinware, not elsewhere specified." ⁴ Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware"; "iron and steel, tempering and welding"; "machine tools"; "plumbers' supplies, not elsewhere specified"; "pumps, steam and other powor"; "steam fittings and steam and hot-water heating appara-tus"; "sted barrels, drums, and tanks "; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts" in all years; and "hard-⁵ Includes "saddlery and harness" and "trunks and valises."

TABLE 35.-COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909-Contd.

	Cen-	ber of		Primary	Wages.	Cost of mate- rials.	Value of prod- ucts.		Cen-	ber of		Primary	Wages.	Cost of mate- rials.	Value of prod- ucts.
	sus year.	estab- lish- ments	age num- ber).	horse- power.	Expressed in thousands of dollars.		ousands s.	INDUSTRY AND CITY.	year.	estab- lish- ments	age num- ber).	hor:e- power.	Expressed in thousands of dollars.		
		THE	STATE	-ALL 1	NDUST	RIES (COMBINE	D AND SELECTED IN	DUSI	RIES-	-Contin	ued.			
Lumber and timber prod- ucts. ¹	1919 1914 1909	633 748 1, 180	21, 979 28, 527 35, 627	114, 319 112, 584 133, 739	22, 021 15, 195 16, 298	43, 313 29, 356 20, 042	90,607 58,523 61,514	Slaughtering and meat packing. ⁵	1919 1914 1909	53 36 45	1,871 1,181 902	5,522 3,275 3,404	2, 503 815 481	52,088 19,283 11,666	62, 51 21, 267 13, 435
Marble and stone work	1919 1914 1909	103 111 113	365 461 551	2,098 1,644 1,570	547 390 393	1,021 637 592	$2,580 \\ 1,561 \\ 1,504$	Springs, steel, car and car- riage, not made in steel works or rolling mills.	1919 1914 1909	6 6 5	1,870 638 588	1,786 1,000 908	2,242 472 309	5,426 1,183 558	8,472 2,173 1,308
Mattresses and spring beds, not elsewhere specified.	1919 1914 1909	16 23 14	171 278 806	487 517 508	196 162 140	785 519 407	1,369 877 689	Stoves and furnaces, in- cluding gas and oil stoves.	1019 1914 1909	28 27 33	5, 241 4, 074 4, 482	9,382 5,916 5,910	6,959 2,988 2,832	9, 281 3, 715 2, 816	27,980 10,757 9,121
Mineral and soda waters	1919 1914 1909	131 120 97	602 391 252	1,921 814 500	772 246 138	2,865 819 368	5,467 1,696 910	Sugar, beet	1919 1914 1909	16 10 11	1,836 1,326 1,460	20,550 10,306 8,854	2,765 932 910	16,682 6,244 6,228	26,379 11,023 10,477
Musical instruments, pianos.	1919 1914 1909	8 12 14	1,122 925 1,611	1,767 1,481 2,363	1, 170 587 983	2,823 1,128 1,882	5,397 2,416 3,944	Tobacco manufactures	1919 1914 1909	363 626 729	6,272 9,075 7,876	1,184 1,343 937	4,915 3,779 3,076	13,213 8,963 7,208	27,693 20,667 16,179
Oil, essential	1919 1914 1909	29 53 28	62 38 54	715 619 365	57 17 17	669 226 415	951 492 486	Toys and games	1919 1914 1909	12 7 8	361 251 279	632 198 994	362 149 135	393 246 174	1,01(529 432
Paper and wood pulp	1919 1914 1909	39 37 32	9,561 6,051 4,327	95,729 62,528 48,700	11,177 3,559 2,142	40,353 14,545 9,025	66,300 22,050 13,922	Wall plaster and compo- sition flooring.	1919 1914 1909	10 13 16	585 631 746	4,924 4,295 3,029	726 421 276	1;491 743 412	3,591 2,07 1,42
Paper goods, not else- where specified. ⁹	1919 1914 1909	14 14 18	556 750 1,181	693 2,009 2,580	577 402 483	2,513 2,252 1,953	4,203 3,588 3,551	Window shades and fix- tures.	1919 1914 1909	5 8 7	766 702 636	1,057 1,149 1,236	633 295 261	865 983 807	2,86 1,75 1,29
Patent medicines and compounds and drug- gists' preparations."	1919 1914 1909	107 142 159	4,751 8,369 8,249	2,642 2,694 2,270	4,151 1,994 1,509	14,690 7,003 4,941	84,945 16,434 13,475	Wirework, not else- where specified.	1919 1914 1909	38 33 37	2,516 1,314 909	$3,822 \\ 2,269 \\ 1,900$	2,721 788 428	10,808 3,918 8,446	17,06 5,89 5,28
Printing and publishing 4.	1019 1914 1909	1,045 1,113 1,045	7,880 8,166 7,219	11,587 13,033 7,651	9,590 5,602 4,000	15,536 7,498 4,935	46, 829 24, 953 17, 348	Wood distillation	1919 1914 1909	16 10 12	1,586 645 806	5,985 2,644 5,012	1,988 415 504	5,793 1,708 1,155	10,65 2,67 2,39
Salt	1919 1914 1909	$ \begin{array}{c} 12 \\ 15 \\ 27 \end{array} $	2,063 1,434 1,368	10,321 8,316 6,628	2,539 991 745	6,339 2,067 1,643	14,054 4,421 3,653	Wood, turned and carved.	1919 1914 1909	34 45 58	622 576 1,137	1,997 2,901 4,695	615 318 548	837 339 634	1,00 95 1,70
Scales and balances	1919 1914 1909	3 3 4	420 276 228	380 298 310	516 200 137	513 208 229	2,340 612 524	Woolen goods	1919 1914 1909	9 9 15	812 477 554	1,502 1,311 1,900	719 230 235	2, 881 793 863	4,57 1,21 1,57
Shipbuilding, including boat building.	1919 1914 1909	33 62 91	$16,541 \\ 1,261 \\ 2,844$	81, 153 7, 565 6, 485	28,921 1,040 1,380	36,121 1,259 2,490	85, 155 2, 823 5, 034	All other industries	1919 1914 1909	857 795 874	35, 311 21, 207 21, 672	91,119 62,303 37,710	45,325 13,681 10,912	134, 243 60, 747 56, 914	288,68 101,10 92,64
Show cases	1919 1914 1909	6 6 11	261 410 823	685 845 1, 403	305 272 459	482 463 796	1, 158 1, 035 1, 806	international de la companya de la c la companya de la comp la companya de la comp						1 - 181 1917 - 191	nis teoret
CITI	ES O		0 INHA	BITANT	SORI	IORE-	ALL INT	OUSTRIES COMBINED	AND	SELE	TED I	NDUSTI	RIES.	••	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
DETROIT All industries.	1919 1914 1909	2,176 2,036 2,036	167, 016 90, 608 81, 011	308, 250 176, 808 114, 190	245, 484 69, 447 48, 007	655, 913 222, 249 130, 218	1, 284, 520 400, 348 252, 939	DETROIT—Contd. Bread and other bakery products.	1919 1914 1909	275	2,838 1,850 1,108	3,258 1,827 1,112	3,121 1,200 638	13, 542 4, 363 2, 897	22, 63 7, 48 4, 82
Artificial stone products.	1919 1914 1909	18 16	98 77 104	119 98 25	157 49 48	207 50 51	526 151 142	Brick, tile, pottery, and other clay products.	1919 1914 1909	79	141 160 220	619 804 625	251	235 95	79 20 32
Automobiles, including bodies and parts.	1919 1914 1909		65,090 33,439 15,675	90, 141 39, 458 14, 666	104, 091 26, 368 9, 621	328,733 101,382 31,363	550,228 164,076 59,536	Buttor	1919 1914 1909	10	199 56 12	1,395 180 91	321 40 4	6, 758 896 57	7,77 1,10 7
Awnings, tonts, and sails	. 1919 1914 1909		141 114 100	87 22 20	174 80 54	761 172 133	1,380 336 238	Chemicals	1919 1914 1909	10 7 5	1,708 1,489 1,198	20,839 13,899 9,564	2,756 1,106 769	3,561 1,633 1,938	11,35 3,87 5,01
Boots and shoes	1919 1914 1909		164 905 1,827	129 531 862	180 430 491	552 1,014 1,702	932 2,255 2,744	Clothing, men's, including shirts.	1919 1914 1909	21 20 22	1, 251 1, 682 2, 786	840 812 951	1,037 765 963	4, 531 2, 273 2, 352	7,30 3,89 4,76
Boxes, paper and other, not elsewhere specified.	1919 1914 1909	111		158 193 142	221 144 115	430 189 148	987 491 382	Clothing, women's	1919 1914 1909	13 19 27	395 1,070 921	96 229 154		661	1,55 1,40 1,49
Brass, bronze, and copper products.	1914	38	3,880	24,866 13,074 10,651	12, 429 2, 485 2, 049	29, 292 10, 296 8, 273	49,240 14,630 12,297	Coffee, reasting and grind- ing. I products, not including pI	1914	6	61 40 41	390 143 186	24	1,698 791 452	90

植物?

¹ Includes "books, wooden packing, except eight boxes"; "functed, hanning in preserves, and meather strips."
² Includes "evertunery and cosmeties."
⁴ Includes "perfumery and cosmeties."
⁴ Includes "book binding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."
⁴ Includes "book binding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."
⁴ Includes "book binding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."
⁴ Includes "sausage, not made in slaughtering and meat-packing establishments."
⁶ Includes "saud-lime brick."

TABLE 35 .- COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909-Contd.

														-Conta.
sus	ber o estab	f (aver-	horse-	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Con- sus	ber o estab	aver-	horse-	Wages	Cost of mate- rials.	Value of prod- ucts.
year.	ment	1 11 11 11	power.	Expre	ssed in t of dollar	housands rs.	n an Star Star Allen An Andrea	year.		mim_	power.	Expre	ssed in th of dollar	iousands 's.
F 50,6)00 IN	HABIT	ANTS OI	R MOR	EALL	INDUST	RIES COMBINED AND	SELE	CTED	INDUS	TRIES-	Continu	ied.	
1919 1914 1909	7	102	189 170 148	123 67 56	336 128 117	775 275 268	FLINT All industries.	. 1919 1914 1909	107 94 104	24, 603 8, 722 7, 088	33,610 10,576 8,240	7.235	34, 333	275, 780 53, 375 24, 118
1919 1914 1909	68	1, 957 1, 932	1,473 2,106 1,453	1, 639 1, 163 851	4,346 2,108 1,932	9,017 4,369 3,534	GRAND RAPIDS. All industries.	1019	611 594 524	23,548 17,427 17,590	44,048 30,393 27,076	26,170 10,296 9,217	51,102 23,995 19,730	109,135 49,792
1919 1914 1909		591 541	3,084 1,097 575	2,094 334 226	4, 584 1, 223 493	12,970 2,240 1,148	Automobiles, including bodies and parts.	1919 1914 1909	22 8 3	1,232 87 86	2,131	1,750 61	3,251 114	42,231 6,911 250 389
1919 1914 1909		11,250 8,694	20,210 10,336	8, 558 4, 828	50, 512 12, 351 7, 614	29, 465 18, 243	Brass and bronze prod- ucts.	1019 1914 1909	4 7 5	816 432 405	478 560 401	329 257 209	325 281	911 707 680
1914 1909	18 19	207 371	190 24	155 181	626 707	1, 102 1, 738	Bread and other bakery products.	1919 1914 1909	74 67 60	588 441 861	424 244 185	442 227 185	2,228 943 872	3,605 1,682 1,476
1914 1919	7 19	399 109	1, 268 72	329 152	583 418	1, 012 938	Butter	1919 1914 1909	5 6 4	57 27 16	284 126 134	70 19 12	1,434 621 216	1, 647 747 249
1909 1919	9	92 236	28	68 194	43 620	204 1,103	Clothing, men's, includ- ing shirts.	1919 1914 1909	6 8 6	70 199 239	26 45 70	66 60 84	188 192 220	404 397 513
1909	9	834	214	91	326	559	Coffins, burial cases, and undertakers' goods.	1919 1914	6 4	78 58	238 206	67 37	282 137	537 305
1914 1909	32	239 403	228 530	145 211	534 819	1,396	Confectionery and ice cream.	1919 1914 1909	23 12 6	287 203 193	426 826 115	183 05 71	1,285 400 477	2, 345 044 694
1914	3	801	765	203	1,282		Flour-mill and gristmill products.	1919 1914 1909	9 9 8	124 107 118	1,937 1,537 1,510	143 78 72	4,952 2,052 3,045	5,454 3,142 3,781
1914 1909	19 18	1,165 646	6,088 3,886	1,020 495	$2,523 \\ 1,185$	9,410 4,942	Foundry and machine- shop products.7	1919 1914	66 61	2,764 1,532	$\frac{4,940}{2,831}$	8,131 989	4,011	10,013 3,023
1914 1909	34 46	1,410 1,607	5,503 $3,49\theta$	989 809	3,357 3,414	5,567 5,346	Knit goods	1919 1914	4	520 422	290	440 148	1,270 565	2,740 2,479 1,064
1914 1909 1919	19 19 28	202 194 282	650 560 803	178 131 406	$ \begin{array}{r} 434 \\ 203 \\ 172 \\ 1,059 \end{array} $	522 413	Leather, tanned, curried, and finished.	1919 1914	4	208 177	963 620	220 115	945 1,031	647 1,885 1,394
1909 1919	13 29	81 693	85	117 45 1,484 186	240 113 312	539 266 2,703	Liquors, malt	1919 1914	[77 174	080 1,328	96 123	$^{143}_{315}$	490 1,201 912
1909 1919 1914	17 12	188 144 104	95 117 61	125 271 105	24 101 35	238 851 282	Lumber and timber prod- ucts. ⁸	1919 1914	11 16	438 539	2, 530	466 345	$1,133 \\ 1,240$	2,269 1,925 1,697
1919 1914	12 13	111 460	100 417	112 198	486 1,379	893	Printing and publishing 4.	1919 1914	81 84	906 942	· · · · · · · · · · · · · · · · · · ·	1,145 673	1,404 888	4,051 2,886 2,057
1919 1914 1909	281 265 224	3,806 3,472 2,519	5,736 7,098 2,602	5,202 2,629 1,570	10,138 4,044 2,044	27,940 13,108 7,291	Tobacco, cigars	1919 1914	25 32	678 667	27 4	507 261	793 712	1,983 1,293 725
1919 1914 1909	20 13 29	1,707 1,102 811	4,678 3,047 3,092	2,291 761 433	49,502 18,489 11,221	59,341 20,321 12,850	Wood, turned and carved.	1919 1914	10 10	116 47	288 204	188 81	99 17	842 77
1919 1914 1909	73 143 187	3, 421 5, 352 4, 354	123 156 99	$2,821 \\ 2,165 \\ 1,586$	5,557 3,811 2,730	11,606 8,504 6,490	All other industries	1919		128 15,083 11,378	240	65	57	184 63, 209 28, 995
1919 1914 1909	17 10 12	790 206 207	1,104 177 175	994 108 81	1,357 168 127	2,930 424 357		1909	235	12,178	18,237	6, 392	10,423	28, 595 24, 78 2
1919 1914 1909			84, 683 55, 648 47, 578	$16,544 \\ 15,694$	44,856 46,105	292,417 96,292 92,287	LANSING. All industries. ⁶	1919 1914 1900	147 180 169	12,349 6,231 5,285	23,602 12,614 8,720	13,957 4,373 2,707	64,981 13,887 8,802	104,722 26,984 16,567
	sus year. year. 1919 1914 1909 1919 1914 1909 1919 1914 1909 1919 191	Cen- sus year. ber o estab pression year. lish- ment 1019 8 1914 7 1909 72 1919 60 1914 20 1909 22 1919 28 1919 28 1919 28 1919 28 1919 28 1919 28 1919 28 1919 28 1909 215 1919 28 1919 28 1919 8 1909 9 1914 18 1909 9 1914 18 1909 9 1914 18 1909 9 1919 17 1919 17 1919 17 1919 13 1914 14 1919 12	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Nurn- sta Nurn- estab- gear. Wages age num- box. Primary horse- gower. Wages wer. mate- ruls. prod- ucts. 1919 8 105 189 102 123 102 330 102 775 122 1919 8 105 189 194 123 195 330 195 775 122 1919 60 1,419 1,473 1,639 1,667 4,466 9,017 1914 68 1,967 2,106 1,163 2,108 4,309 1909 72 1,632 3451 1932 3,534 1919 29 3,864 3,084 2,094 4,584 12,970 1914 20 5501 1,037 4,848 7,614 18,243 1919 286 25,663 47,566 38,469 0,512 123,065 1914 217 310 46 329 ,563 1,012 1919 9 310 46 329 ,553 1,012 1914 13	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Gen. Num- trans. Virges. (Gen. mate- set prod- rules. mate- rules. prod- rules. prod- rules. mate- rules. prod- rules. 1010- matts 101- bory. 400 101- bory. 101- bory. <td>Gene Nura- bare Vites- rink. Vites- rink. Prod- rink. Prod- rink. Gene Nura- power. The power. The power. The power. The power. The power. F 9.000 INHABUTAN'S OR MORB-ALL INDUSTRIES COMBINED AND SELECTED TONUSTRIES 100 104 94 7,088 106,000 1019 6 106 139 122 339 775 Allindistries. 1010 92,4613 35,728 10,000 1019 6 106 139 103 48 100 104 42,4613 35,728 10,000 104 57,728 5,200 1019 60 1,417 1,438 4,468 1,17 2200 Allindistries. 1000 101 32,461 3,667 1,17,429 3,563 1,163 1,163 1,163 1,17,429 1,163 1,17,429 1,163 1,17,429 1,163 1,17,429 1,163 1,17,429 1,163 1,17,429 1,163 1,17,429 1,17,429 1,17,429 1,17,429</td> <td>Cons. Margin Ling Warges. Inst. Truts. Truts.</td> <td>Geom Karten Tradit Karten Law (Mark) Wares (Mark) Index (Mark) Wares (Mark) Index (Mark) Wares (Mark) Wa</td>	Gene Nura- bare Vites- rink. Vites- rink. Prod- rink. Prod- rink. Gene Nura- power. The power. The power. The power. The power. The power. F 9.000 INHABUTAN'S OR MORB-ALL INDUSTRIES COMBINED AND SELECTED TONUSTRIES 100 104 94 7,088 106,000 1019 6 106 139 122 339 775 Allindistries. 1010 92,4613 35,728 10,000 1019 6 106 139 103 48 100 104 42,4613 35,728 10,000 104 57,728 5,200 1019 60 1,417 1,438 4,468 1,17 2200 Allindistries. 1000 101 32,461 3,667 1,17,429 3,563 1,163 1,163 1,163 1,17,429 1,163 1,17,429 1,163 1,17,429 1,163 1,17,429 1,163 1,17,429 1,163 1,17,429 1,163 1,17,429 1,17,429 1,17,429 1,17,429	Cons. Margin Ling Warges. Inst. Truts. Truts.	Geom Karten Tradit Karten Law (Mark) Wares (Mark) Index (Mark) Wares (Mark) Index (Mark) Wares (Mark) Wa

1909 | 457 | 29,491] 47,578 | 15,694 | 46,105 | 92,287 || 140,014 | 160 | 160 | 5,281 | 12,014 | 2,313 | 13,567 | 16,567 | 16,567 | 16,014 | 16,57 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,567 | 16,578 | 16,567 | 16,567 | 16,567 | 16,567 | 16,578 | 16,567 | 16,578 | 16,567 | 16,578 | 16,567 | 16,578 | 16,567 | 16,578 | 16,567 | 16,578 | 16,578 | 16,567 | 16,578 | 16,567 | 16,578 | 16,567 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578 | 16,578

TABLE 35.-COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909-Contd.

INDUSTRY AND CITY.	Cen- sus	Num- ber of estab-	Wage earners (aver- age	Primary horse-	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus	Num- ber of estab-	Wage earners (aver- age	Primary horse-	Wages.	Cost of mate- rials.	Value of prod- ucts.
	year.	lish- ments	num- ber).	power,	Expre	ssed in tl of dollar	iousands s.		year.	lish- ments	num- ber).	power.		sed in th of dollar:	
CITIES O	F 50,0	00 INI	IABITA	NTS OI	R MORI	EALL	INDUSTI	RIES COMBINED AND S	ELE	TED	INDUS'	FRIES_	Continu	ed.	
SAGINAW All industries.	1919 1914 1909	$\begin{array}{r} 208\\241\\202\end{array}$	9,472 6,342 5,368	81,402 15,959 11,867	9,963 3,671 2,750	21,316 10,656 7,634	43,146 19,009 14,192	SAGINAW —Contd. Liquors, malt	1919 1914 1909	355	70 84 74	246 80S 170	47 71 58	80 125 110	166 499 393
Bread and other bakery products.	1919 1914 1909	18 18 9	240 149 83	291 135 76	170 90 42	914 378 223	1,480 602 328	Lumber and timber prod- uets. ²	1919 1914 1909	14 11 12	496 652 696	4,692 4,162 2,682	400 307 335	1,676 1,868 1,629	2,886 2,503 2,404
Confectionery and ice cream.	1919 1914	777	29 51	107 39	27 21	185 116	310 170	Patent medicines and compounds.	1919 1914	4	12	21 28	$^{14}_{5}$	58 37	113 61
Copper, tin, and sheet- iron work.	1919 1914 1909	10 14 3	24 42 44	18 15 41	24 29 40	59 51 76	118 120 154	Printing and publishing ³ .	1919 1914 1909	19 22 22	148 159 164	327 316 411	159 120 100	299 207 127	872 542 428
Foundry and machine- shop products. ¹	1919 1914 1909	28 18 23	3,356 792 698	15,664 2,082 1,674	3,771 565 432	7,019 932 788	15,901 2,205 1,838	All other industries,	1919 1914 1909	105 142 128	5,097 4,407 3,609	10,036 8,374 6,813	5,351 2,403 1,743	11,026 6,942 4,681	21,300 12,247 8,647
	<u>.</u>		CITIE	S OF 10	,000 TO	50,000 II	NHABITA	NTS-ALL INDUSTRIE	s coi	1BINE	D.				
A DRIAN	1919 1914 1909	62 68 80	1,870 1,256 1,059	3, 317 2, 840 3, 211	1,714 098 540	10, 153 3, 783 4, 150	14, 549 5, 442 6, 085	JACKSON	1919 1914 1909	$156 \\ 147 \\ 168$	9,620 4,906 4,788	18,744 9,740 6,355	10,899 3,263 2,487	29, 989 9, 529 8, 156	49,518 16,810 13,984
Alpena	1919 1914 1909	38 54 58	$1,372 \\ 1,494 \\ 1,432$	23, 318 11, 537 10, 670	1,528 895 711	4,887 2,398 2,301	9,356 4,102 3,964	KALAMAZOO	1919 1914 1909	185 213 193	7,629 5,525 6,272	26,147 19,548 14,449	8,162 3,284 3,149	24,236 10,947 9,505	46,255 20,214 17,904
ANN ABOB	1919 1914 1909	78 75 63	1,612 842 573	3,629 2,376 1,458	2,102 516 287	5,377 1,302 1,010	9,794 2,603 1,866	MARQUETTE	1919 1914 1909	34 34 35	1,415 589 509	6,138 2,156 1,575	1,503 378 313	4, 665 678 565	7,210 1,395 1,278
BATTLE CREEK	1919 1914 1909	118 135 105		22, 432 17, 049 14, 923	8,668 8,191 2,354	27,989 8,158 7,068	56, 140 23, 248 20, 174	MUSKEGON	1919 1914 1909	141 103 101	9,710 4,646 4,522	24,026 12,499 10,436	10,853 2,641 2,107	25,676 5,317 4,938	55,969 11,148 9,648
Вач Сітч	1919 1914 1909	$108 \\ 142 \\ 182$	5,057 3,771 4,737	14,540 15,911 17,872	5,393 2,129 2,118	$15,262 \\ 6,403 \\ 5,647$	28,215 11,119 10,294	Owosso	. 1919 1914	40 45	1, 781 1, 231	4,220 4,265	2,221 724	5,209 1,851	9,949 3,469
BENTON HARBOR	1919 1914	05 02	2,328 1,285	3, 374 2, 245	2,563	4,632	11,345 8,022	Pontiac	1919 1914 1909	78 46 42	7,682 2,409 1,739	$12,841 \\ 3,111 \\ 2,854$	10,881 2,010 1,087	66,786 10,449 3,241	104,990 15,102 5,894
ESCANABA	1919 1914 1909	45 45 39	842 777 720	2,201 2,591 1,416	876 469 405	1,153 636 364	3,018 1,507 1,074	Port Huron	1919 1914 1909	83 89 82	2,231 1,296 1,580	5,884 4,400 3,130	2,482 735 791	4,931 2,227 1,950	9,546 4,090 3,588
Holland	1919 1914 1909	64 61 61	2,748 2,165 2,162	4,937 3,696 8,446	2,709 1,162 1,069	10, 225 5, 843 8, 478	$17,711 \\ 8,684 \\ 5,802$	SAULT STE. MARIE	1919 1914 1909	26 44 46	1,248 938 825	5, 598 2, 326 2, 949	1,533 621 432	6,760 2,352 2,441	10,700 3,821 3,729
IRONWOOD	1919 1914 1909	28 24 14	309 516 201	725 641 521	587 305 88	554 414 201	1,381 793 377	TRAVERSE CITY	1919 1914 1909	56 60 61	960 956 1, 220	3, 131 4, 553 4, 231	847 499 444	2,282 1,087 1,183	4,100 2,251 2,289
ISHPEMING	1919 1914 1909	21 19 19	107 79 66	370 230 73	124 46 37	483 136 52	$\substack{1,007\\229\\132}$								

¹ Includes "automobile repairing"; engines, steam, gas, and water"; "iron and steel, welding"; "machine tools"; and "structural ironwork, not made in steel works or rolling mills." ⁹ Includes "lumber, planing-mill products, not including planing mills connected with sawmills," in all years; and "window and door screens and weather strips" in 1910. ⁹ Includes "bookbinding and blank-book making" in 1919 and 1909 and "engraving, steel and copper plate, including plate printing," in 1919.

TABLE 36.-DETAILED STATEMENT OF ALL INDUSTRIES

					PERSO	NS ENG	AGED I	7 THE IN	DUSTRY.	a Taga ar	WAGE NEARES	EARNEI T REPRE	RS DEC. SENTAT	15, 01 IVE D.	1 1. 1. 1.	
		S.				Clerks	, etc.	<u> </u>	Wage earne			16 and	over.	Unde	r 16.	
-	INDUSTRY AND CITY.	ishment		Pro- prie-	Sala- ried offi- cers,				Number, 1	5th day of—						Capital.
-		Number of establishments	Total.	and firm mem- bers.	in- in- tend- ents, and man- agers.	Male.	Fe- male.	Aver- ago num- ber.	Maximum month.	Minimum month.	Total.	Male.	Fe- malo.	Male	Fo- male	
<u> </u>	ТЕ	ie st	ATE-A	LL IN	DUST.	RIES (COMBI	NED A	ND SPECI	FIED INDU	JSTRIE	3.		(
1	All industries	8, 305	549,069	6,762	20, 402	31, 258	19, 405	471, 242	No 522,870		(8)	()	(3)	(8)	(8)	Dollars. 2,340,954,312
2	Agricultural implements Aluminum manufactures	23 6 9	3, 259 328 23	8 7 8	$\begin{smallmatrix}138\\16\\2\end{smallmatrix}$	273 6 2	$\begin{smallmatrix} 132\\2\\1 \end{smallmatrix}$	2,708 297 10	Ap 3,113 Se 363 Jy 4 11	Se 2,110 Ja 201 Ja 8	2,727 405 13 209	2,665 395 12 607	61 10 1	1 	•••••	14, 405, 102 700, 683 31, 041 1, 693, 206
5 6 7	Artificial stone products	191 203 68	790 54,905 142,976 1,454 289 25	218 91 4 322 20 5	51 1,696 3,084 48 25 3	25 2,672 8,120 50 33	$ \begin{array}{r} 16 \\ 1,398 \\ 4,831 \\ 66 \\ 21 \\ 2 \end{array} $	480 49,048 126,937 968 190 15	Se 676 No 61,438 De 145,241 Au 1,064 Jy 248 Ja 25	Ja 226 Ja 36,649 Ja 99,563 Ja 774 Fe 135 Je 9	$\begin{array}{r} 608 \\ 60,175 \\ 145,578 \\ 1,047 \\ 180 \\ 12 \end{array}$	57,016 140,810 1,032 99 2	$ \begin{array}{r} 3,107 \\ 4,590 \\ 11 \\ 81 \\ 10 \end{array} $	52 178 4		186, 318, 075 186, 318, 075 506, 195, 893 2, 904, 986 626, 959 127, 632
10 11 12 13	Automobile repairing. Awnings, tents, and salls Bags, other than paper, not includ- ing bags mado in textile mills. Baskets, and rattan and willow ware. Belting, leather BookDinding and blank-book mak-	9	326 141 687	9 3 19	10 9 43	8 7 81	3 9 62	296 113 482	My 341 Au 135 De 556	Je 445	327 133 557	232 116 268	95 17 279	····- 8	····· 2	335, 133 1, 088, 702 1, 422, 432
14	ing. Boot and shoe findings Boots and shoes. Boxes, cigar Boxes, paper and other, not else-	. 3	15 1,314 326 2,521	6 6 4 10	1 60 13 90	78 3 41	50 5 44	8 1,120 301 2,336	Oc ⁴ 13 De 1,192 De 328	Ap 3 Ja 1,061 Ja 262	13 1, 193 327 2, 448	$ \begin{array}{r} 10 \\ 663 \\ 78 \\ 752 \end{array} $	3 503 246 1,668	18 3 8	9 20	$\begin{array}{r} 41,009\\ 2,871,813\\ 239,910\\ 6,511,322 \end{array}$
18	where specified. Shipping containers All other Boxes, wooden packing, except cigar	9 13	1,876 645 1,650	 10 44	60 30 78	80 11 20	31 13 27	1,755 581 1,481	No 1,811 No 704 Au 1,670	Ja 1,700 Je 500 Mh 1,285	1,793 655 1,741	610 142 1, 540	1,177 491 180		5 15 	5, 761, 743 749, 570 3, 727, 416
	boxes. Brass, bronze, and copper products. Brass and bronze products	- 80 74 6	11,630 9,844 1,786	36 36	392 371 21	582 545 37	$314 \\ 289 \\ 25 \\ 25 \\ 25 \\ 25 \\ 25 \\ 25 \\ 25 \\ 2$	$10,306 \\ 8,603 \\ 1,703 \\ 5,009$	Oc 10,459 No 2,010	Mh 7,353 Jy 1,268	11,307 9,580 1,727 5,504	10,402 8,737 1,665 4,088	900 838 62 1,364	1	····· 20	40, 284, 256 30, 709, 734 9, 574, 522 17, 064, 978
25 26	Bread and other bakery products Biscuit and crackers Bakery products, other than bis- wit and crackers.	- 6 938	7,714 1,084 6,630	1,112 5 1,107	222 21 201 48	827 154 673 14	465 43 422 15	5,088 861 4,227 852	No 962 De 4,436		920 4, 578 973	395 3, 693 963	531 833 1	32	20	2, 492, 564 14, 572, 414 4, 359, 383
27 28 29	Brick and tile, terra-cotta, and fire- olay products. Building brick Sewer pipe, draintile, and terra-	- 22 26	972 652 320	43 17 26	31 17	95	12 3	583 269	Je. 749 Au 338		674 299	674 289		9		3, 093, 637 1, 265, 746
30 31 32 33	cotta products. Brooms, from broom corn Brushes Butter Canning and preserving, fruits and	- 21 10 231	$ \begin{array}{c} 120 \\ 212 \\ 1,509 \\ 2,366 \end{array} $	$25 \\ 14 \\ 135 \\ 32$	3 4 144 149	5 11 114 34	3 7 132 42	84 176 984 2,109	De 98 Ja 4 193 Jy 1,161	Se 162	91 171 954 3,462	62 91 815 1, 392	80 138	1	 129	230, 439 618, 575 9, 147, 141 6, 010, 871
34 35 36	Canned vegetables Canned and dried fruits	- 25 - 27 - 10	1, 187 1, 179 36	9 23 13	84 65	14 20 1	19 23 1 4	$1,061 \\ 1,048 \\ 21 \\ 135$	Jy 2,440 Jy 2,570 Je 27 De 160	Mh 250 Fe 143 Ja 4 14 Jy 106	1,379 2,083 24 160	801 591 16 159		60 2	$ \begin{array}{c} 23 \\ 106 \\ 1 \end{array} $	3,037,862 2,973,009 24,437 474,879
37 38 39	Carriage and wagon materials. Carriages and sleds, children's Carriages and wagons, including re-	- 10 39	981 303	4 3 47	6 40 12		56 7	799 232	De 972	1 Ja 657	972 211 179	795 208 176	177	- -		2, 636, 902 914, 009 820, 752
40 41 42	Carriages and wagons. Repair work only. Cars and general shop construction and, repairs by electric railroad	27 12 15	53 1, 513	32 15		. 1	1	. 37	Ja 228 Se 4 31 My 1,433	3 No 4 35	32 1,381	32 1,377		2		93, 317 3, 139, 419
43	Cars and general shop construction	1 36	7, 579		. 297	170	87		De 7,26		7,280					14, 479, 362
44 45 46 47 48 49	Chemicals Cleansing and polishing preparation Cleansing preparations Cleansing preparations Metal and other polishing prep	11 55 36 s. 20 12 8	212 6,721 463 435	31 14 15 10	13 314 23 16	12 492	10 189 90 88	$ \begin{array}{r} 146 \\ 5,712 \\ 138 \\ 126 \end{array} $	Ja 7,49 Se 4 14	4 My 4,980 1 Mh 99	- 162 144	5,938 136 128	1 5 2 1	5 8 8 1		$\begin{array}{c} 10,540,992\\700,502\\62,841,234\\1,604,052\\1,565,317\\38,735\end{array}$
50 51 52 53	arations. Clothing, men's	$ \begin{array}{c c} & 31 \\ & 23 \\ & 6 \\ & 17 \\ \end{array} $	1,987 719 1,268	13 3 10 1	51 17 34	112	104	1,707 613 1,094	Do 73 Do 1,27	5 Mh 545 6 My 972	1,286	202 153 131	1,72	2		6, 125, 030 6, 105, 205 2, 666, 318 3, 438, 887 10, 825
54 55 56 57	Contract work. Clothing, women's. Regular factory products. Shirt waists and dresses, ex	8 33 30 9	54 1,188 1,128	11 20 19) 69) 65 . 39			982 573	Mn 4 Se 62	8 Ja 38 7 Je 518	1,230 1,146 653	102 97 50	2 1,12 7 1,04 3 59	8		1, 810, 718 1, 789, 158
58 59 60 61 62 63	Wrappers and house dresse All other. Contract work. Coal-tar products. Coffice, roasting and grinding. Coffice, burial cases, and undertaker	a 4	409 3 60 4 131 3 173				$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	350 54 2 113 4 99	No 42 Au 9 Je 13 Jy 11	6 Ja 273 5 Fe ⁴ 4 8 Oc 85 0 De ⁴ 93	421 84 134 102	3 13 3	7 38 5 7 3 6	4 9 1 3	· · · · · · · · · · · · · · · · · · ·	853,366 21,560 1,296,864 969,175
64 65 66 67	Confectionery and ice cream	18 	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} 11: \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c c} 3 & 11' \\ 0 & 9' \\ 1 & 2' \\ \end{array}$	7 93 2 40 5 5	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	No 1,68 Jy 63	7 Je 1,01 4 Ja 34	2,093 1,612 479		$ \begin{array}{c cccccccccccccccccccccccccccccccc$	3 3	2	3, 372, 272

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

COMBINED AND SPECIFIED INDUSTRIES: 1919.

- **8**89

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			EXPE	NSES.		at e ta						PO	WER.			
Sale	aries and w	ages.	e i	Rent a	nd taxes.	For mat	erials.		· ·		Priz	nary ho	rsepow	er.		Elec-
Officials.	Clerks, etc.	Wago carners.	For contract work,	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufac- ture.	Total.	Steam en- gines (not tur- bines).	Owno Steam tur- bines.	Inter- nal-	Wa- ter pow- er. ¹	Rent- ed. ²	tric horse- power gener- ated in estab- lish- ments report- ing.

1	1	1	1	1	1	1	γ <u> </u>	li		11	<u>.</u>	1	<u> </u>				<u> </u>
Dollars. 79,454,08	Dollars. 169, 580, 917	Dollars. 639,708,003	Dollars. 8,232,883	Dollars. 5,291,962	Dollars, 164, 878, 414	Dollars. 1,852,906,090	Dollars. 66, 337, 153	Dollars. 3,466,188,483	Dollars. 1,546,945,240	1,202,128	440, 130	152, 781	19, 695	40, 346	549,176	277, 514	4 1
404,968 47,828 4,940	504, 629 10, 044 4, 160	3,003,362 276,850	427	2,061 3,067 4,760	442,721 10,428 129	4,837,772 915,064	210, 196 38, 849	11,090,669 1,377,584	6,042 701 423,671	6,197 383	2,993 30		50		3, 154 353	832	. 3
88,349 6,640,391	37,420 5,150,127	$12,895 \\ 611,561 \\ 75,221,256$	519,854 388,957	20,110 285,253	20,729 9,084,787	11,670950,856147,613,334	755 29,569 2,949,108	63,149 2,434,213 288,306,858	50,724 1,453,788 137,744,416	16 834 103,425	115 14,919	1,470	216 8,421	18	16 503 78, 597	4,634	4
21,405,794 98,485 88,388	17,128,611 114,589 66,684	197,768,186 1,288,441 213,004	100 15,982	642,476 114,734 27,963	83, 140, 040 48, 883 80, 591	801, 202, 501 1, 780, 480 913, 430	8,002,488 82,461 6,479	1,332,076,498 4,226,691 1,645,060	522, 871, 509 2, 363, 750 725, 151	180,702 1,362 117	22,620 2	57,707	146 182		100,229 1,178 117	79, 625	0 7 8 9
5,625 14,050	2,230	10,080 215,663	 	1,386	496 16,475	280, 506 194, 314	836 4,129	307,434 538,969	26, 092 340, 526	59 263	225	•••••	4		59 34		. 10 . 11
40, 585 138, 076	15,667 22,321 222,144	215, 663 127, 198 405, 144	693	2,359 799 20,805	56,775 140,367	1,015,535 531,725	17,909 11,823	1,595,982 2,091,826	562, 538 1, 548, 278	585 174	330		•••••		255 174		112 13
1,500 155,988 36,807	280, 588	8,801 920,703 213,624	729	168 19,485	268 70,978	22,232 4,153,194	1,750 30,787	40,455 6,046,310	16,473 1,862,329 342,853	22 660	132				22 528	70	. 14 15
319,460	8,487 123,110	2,161,400	3,025	4,477 23,987	7,234 653,118	250,412 4,976,235	6,823 309,810	600,088 10,934,722	5,648,677	219 5,226	3,900		100 35	• • • •	119 1,291	8	. 16 17
229,598 89,862 197,020	101, 610 21, 500 54, 356	1,782,049 378,751 1,331,974	8,025 7,512	5,015 18,972 21,702	617,807 35,311 65,855	4,435,906 540,329 2,695,958	296,881 12,929 50,134	9,632,246 1,302,476 4,977,560	4,899,459 749,218 2,231,468	5,005 221 6,772	3,900 4,871	85	35 12		1,105 186 1,804	8 360	. 18 19 20
1,814,957	1,405,332 1,310,603	14,578,780 12,323,394	16,608 15,974	72,722 68,162	1,075,233 880,063	37, 357, 127 28, 210, 516	1,491,851 1,117,013	62,708,335 48,393,780	23, 859, 357 19, 066, 251	27,912 14,909	7,880 2,680	1,000	230 230		18,802 11,999	671 671	$ \begin{array}{c} 21 \\ 22 \\ 23 \end{array} $
183,390 712,522 50,610	85,729 1,930,301 412,877	2,255,386 5,895,407 506,877	22,868	4,560 389,282 15,030	195,170 392,870 42,164	9,146,611 27,262,941 2,031,292	374, 838 852, 848 42, 192	14, 314, 555 44, 923, 454 3, 841, 637	4,793,106 16,807,665 1,768,153	13,003 6,339 393	5,200 395 305	1,000	163		6,803 5,781 88	184 150	. 23 24 25 26
661, 912	1, 517, 424	5,388,530	22,868 9,010	874, 252 3, 619	350,706 87,031	25, 231, 649 189, 406	810,656 628,508	41,081,817	15,039,512	5,946 6,047	90 5,884		163 90		5, 693 73	34	26 27
136,320 22,709	27, 065 8, 291	879, 594 301, 149	9,010	3, 599 20	52,304 34,727	122, 172 67, 234	440,197 182,311	2,530,064 809,317	1,961,695 559,772	3,887 2,160	3,838 2,046	· · · · · · · ·	16 74		33 40	7	28 29
6,437	10,207	74,864		2,580	2,927	296,248	2,675	487, 873	188, 950	89	2,040		6		83		80
14,400 287,013 302,658	25, 347 276, 978 95, 678	156,507 1,173,610 1,185,224	269 19,667 2,576	3,146 31,978 8,575	6,031 143,126 97,460	331,984 29,346,329 7,849,401	8,174 234,563 121,541	668,828 33,385,420 11,172,169	328, 670 3, 804, 528 3, 201, 227	171 4,943 4,185	$1,883 \\ 3,451$	192	167 38	112 	171 2,701 696	60 183	31 32 33
134, 865 167, 793	54,102 41,576	498,014 687,210	2,576	629 7,946	51,434 46,026	3, 192, 569 4, 656, 832	62,902 58,639 1,782	4,889,666 6,282,503 59,219	1,634,195 1,567,032	2,406 1,779	$2,032 \\ 1,419$		5 33	•••••	369 327	145 38	34 35
23,113 101,035	1,390 4,516 77,400	19,315 136,863 736,711	126	2, 675 48 300	$\begin{array}{r} 247 \\ 10,936 \\ 153,824 \end{array}$	9,531 268,344 1,365,263	9,709 31,410	505,937 3,410,047	47,906 227,884 2,013,374	53 569 609	350 250		10	25	53 184 359	 41	36 37 38
23,291	11,092	252,379 206,942	1,515	5,406 3,990	21, 945 20, 366	419, 839 383, 374	15,991 14,136	1,016,954 902,545	581, 124 505, 035	565 502	125 125		25 10	2	413 867		39 40
35,950	950 36, 362	45,437 2,088,383		1,416 9,266	1, 579 25, 451	383,374 36,465 1,580,149	14,136 1,855 45,050	902, 545 114, 409 3, 828, 271	76, 089 2, 203, 072	63 849	385		15	2	46 464	•••••	41 42
763,239	309, 385	9, 862, 344	965	•••••	66,485	5, 751, 556	477,086	17, 223, 189	10, 994, 547	11,079	3, 250	260	33		7, 538	955	43
203,492 21,946	$155, 121 \\ 32, 643$	1, 738, 993 171, 503	814 200	$38,537 \\ 3,227$	204,450 6,256	2,094,766 3,161,993	1,867,821 56,288 6,451,534	9,643,454 3,663,131	5,680,867 444,850	35,470 668	530	15,600 21	35	2,000	2,460 82	19,398 5	44 45
1, 121, 081 163, 948 152, 785	32, 643 957, 786 455, 207 452, 274	8, 949, 577 181, 667 171, 630	1,940	20,950 5,195 1,755	2,309,240 127,130 126,675	9,292,541 1,789,623 1,745,784	6,451,534 11,481 10,870	37, 850, 834 3, 598, 751 3, 445, 939	22,106,759 1,797,647 1,689,285	74, 943 312 302	22,710 150 150	37,237	22 8 8	100	14,874 154 144	20, 541 120 120	46 47 48 49
11, 163 318, 376	2,933	10,037	94 100	3,440	455	43,839 5,508,057	611	152, 812	108, 362 3, 642, 953	10 1,034	750	•••••	••		10 284		
318,370 136,797	522,938 522,938 175,339	$\substack{1,379,564\\1,338,102\\493,951}$	24,100 23,340 23,340	38,537 36,058 8,475	131,862 72,533	5,507,502 1,669,999	38,102 36,738 11,589 25,149	9,189,112 9,054,507 2,870,968	3,510,267 1,189,380	1,022 491 531	750 375		******		272 116 156	370 5 365	50 51 52 53 54
181, 570 220, 862	847,509 110,001	844, 151 41, 462 750, 422	760 1,528	27,583 2,479 32,259	59,329 589 60,939	3, 837, 503 555 2, 255, 644	1,364 17,359	6, 183, 539 134, 605 3, 923, 300	2,320,887 132,686 1,650,297	12 262	375 15		•••••		$12 \\ 247$		55
²¹⁴ , 282 121, 306	109,281 65,714	717,040 431,215	722 412	29, 409 12, 221	60, 866 46, 751	2,253,944 922,076	16,683 6,188	3,865,380 1,861,695	1, 594, 753 933, 436	249 118	15		•••••• ••••		234 118	21	56 57
22,930 70,046	$ \begin{array}{r} 16,386 \\ 27,181 \\ 720 \end{array} $	30,956 254,869 33,382 163,801	10 300	$3,612 \\ 13,576 \\ 2,850$	1,811 12,304 73	$121,104 \\ 1,210,764 \\ 1,700$	1,096 9,4(14 676	233,348 1,770,337 57,920	$111,148 \\550,169 \\55,544$	22 109 13	15			• • • • • •	22 94 13		58 59 60
6, 580 25, 011 43, 560 136, 558	11, 994 42, 636 164, 921	163, 801 73, 968 379, 320	806	46,748 21,050	$10,682 \\ 7,139$	1,700406,4702,117,7031,210,576	53, 272 15, 730 20, 519	817,053 2,514,184 2,522,213	55,544 357,311 380,751 1,182,118	521 461 1,087	312			426	209 461 527	220	61 62 63
	E 5. 191	11	999 148	8, 610 4, 472 200, 787	87, 571 394, 068 549, 910	1, 319, 576 22, 673, 469	- 1	2, 522, 213 27, 738, 047 12, 626, 501		3,525 3,738				ا میں ایندی ا	518	968	64
259, 256 323, 849 222, 700 101, 143	373, 296 288, 447 84, 849	1, 138, 158 1, 402, 128 866, 558 595, 570	1,285 150 1,135	200, 787 172, 141 28, 646	549, 910 490, 851 59, 059	22,673,469 7,015,984 3,810,710 3,205,274	433, 699 152, 412 75, 532 76, 880	$\begin{array}{c}12,626,501\\7,324,503\\5,301,998\end{array}$	4,630,879 5,458,105 3,438,261 2,019,844	1,842	497		. 11.		3, 209 834 2, 375	257 257	65 66 67
. (-		化化合物 警告 急力 计		lanations of						18 or mo					

THE STATE-ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

TABLE 36 .- DETAILED STATEMENT OF ALL INDUSTRIES

					PERSO	NS ENG	AGED IN	THE IN	DUSTRY.		WAGE NEARESI	EARNEI REPRE	RS DEC. SENTAT	15, OR IVE DAY	
						Clerks	, etc.	e an th	Wage carner	s.		16 and	over.	Under 1	3.
	INDUSTRY AND CITY.	Number of establishments	Total.	Pro- prie- tors and firm mem- bers.	Sala- ried offi- cers, super- in- tend- ents, and man- agers.	Male.	Fe- male.	Aver- age num- ber.	Number, 15t Maximum month.	h day of— Minimum month.	Total.	Male.	Fe- male.	Male	Capital.
	THE STA	1 9	LL IN	DUSTI	RIES C	OMBIN	ED A	ND SPI	CIFIED IN	1DUSTRIE	S-Contin	ued.			······
9 10 11 12 13	Cooperage Copper, tin, and sheet-iron work Corsets Dairymen's, poultrymen's, and apiarists' supplies. Dential goods. Druggists' preparations Electrical machinery, apparatus, and supplies. Electroplating. Engines, steam, gas, and water, Engraving, steel and copper plate, including plate printing. Envelopes Francy articles, not elsewhere specified Files. Flax and hemp, dressed Flour-mill and gristmill products Food preparations, not elsewhere specified.	21 6 35 10 4	$\begin{array}{c} 122\\ 903\\ 903\\ 1,848\\ 112\\ 162\\ 112\\ 3,901\\ 5,165\\ 228\\ 228\\ 228\\ 23\\ 116,050\\ 93\\ 131\\ 156\\ 59\\ 45\\ 76\\ 6\\ 76\\ 6\\ 76\\ 6\\ 1\\ 244\\ 44\\ 44\\ 44\\ 44\\ 44\\ 44\\ 44\\ 44\\ 4$	26 117 4 9 4 7 19 20 8 4 10 5 22 6 6	8 83 75 11 13 9 112 230 22 5 492 2 2 11 12 5 5 5 19 3 3 166	3 34 92 6 6 8 326 377 4 1 777 4 8 14 22 1 22	2 35 148 2 9 6 327 849 5 1 5 1 5 1 9 4 7 8 7 8 2 4 1 108	83 094 1,529 125 85 3,219 4,190 14,258 67 105 14,258 67 105 117 50 35 25 40	Oc 120 Oc 801 De 1,744 No 100 Se 145 Jy 95 No 3,317 No 4,908 No 214 No 214 De 85 De 121 Do 136 De 121 No 136 De 50 De 50 De 50 Ja 1,206	$\begin{array}{cccc} Mh & 61 \\ Fe & 577 \\ Je & 1,402 \\ Fe & 84 \\ De & 97 \\ Ja & 71 \\ Ap & 3,145 \\ Ap & 3,755 \\ Fe & 127 \\ Ja & 23 \\ Ap & 10,460 \\ Ja & 41 \\ Ja & 20 \\ Mh & 86 \\ Ja & 45 \\ Oc & 24 \\ Ja & 20 \\ Jy & 27 \\ Je & 1,022 \end{array}$	$\begin{array}{c} 112\\ 785\\ 1,744\\ 99\\ 122\\ 90\\ 3,309\\ 4,057\\ 201\\ 66\\ 16,328\\ 78\\ 121\\ 137\\ 56\\ 39\\ 28\\ 58\\ 121\\ 137\\ 56\\ 39\\ 28\\ 53\\ 1,224\end{array}$	$\begin{array}{c} 112\\ 780\\ 190\\ 91\\ 109\\ 56\\ 1,450\\ 2,876\\ 194\\ 15,730\\ 56\\ 30\\ 39\\ 53\\ 8\\ 12\\ 53\\ 8\\ 1,125\end{array}$	$\begin{array}{c} 5\\ 1,540\\ 0\\ 18\\ 84\\ 1,850\\ 1,776\\ 7\\ 2587\\ 21\\ 84\\ 95\\ 8\\ 31\\ 16\\\\ 99\end{array}$		533,487 20,848,212 3 15,967,288 216,936 77,438 62,506,809 76,018 1 309,032 2 230,459 125,611 52,952 179,247 18,906,143
21 22 23 24 25 26 27 28 29 30 31	and breakfast foods. Macaroni, vermicelli, and noodles Peenut butter. All other. Foundry and machine-shop products Boiler shops. Foundries. Machine shop and foundry com- bined. Furnishing goods, men's, neckwear	s 6 3 523 523 523 24 101 363 35 . 31 - 3	1,9473,3122,997972918945,53294315,65325,3933,5435824220,765	400 20 3 2 15 282 20 49 199 14 30 3 8 8	155 24 2	145 480 462 3 2,123 50 442 1,460 1,400 171 51 5705	$ \begin{array}{r} 108 \\ 216 \\ 194 \\ 2 \\ 3 \\ 17 \\ 1,571 \\ 34 \\ 236 \\ 1,210 \\ 91 \\ 51 \\ 4 \\ 615 \\ \end{array} $	1,128 2,483 2,263 81 20 119 39,430 788 14,380 21,144 3,112 420 28 18,496	Au 3,124 De 8 99 Fe 2 24 Oc 284 De 890 No 17,307 No 23,479 No 3,764 De 502 Au 32	Ja 1,605 Je 51 Ja 16 Ja 71 Mh 678 Ja 11,458 Ap 20,148 Ap 2,607 Ap 394 Do 25	2,524 2,102 99 19 304 45,584 45,584 17,559 23,445 3,098 480 27 21,347	1,780 $1,440$ 78 9 253 $42,925$ 881 $16,592$ $21,700$ $3,002$ 175 5 $18,325$	305 22 2,828	 05 21 36 8 141	
32 23 34 35 36 37 38 39 40	Furniture Wood, including rattan and willow. Metal furniture and store and office fixtures. Furs, dressed Gas and electric fixtures. Gas, illuminating and heating Glass, cutting, stalning, and orna- menting. Gloves and mittens, cloth, not in- cluding gloves made in textile mills Grease and tallow, not including lu- bricating greases. Hand stamps.	140 31 4 13 59 14 9 3 14	17, 943 2, 822 87 184 4, 044 139 155 179	54 14 1 6 2 10 9 9	680 111 26 208 16 9 14	1 22 362 1 3 4	626 8 2	104	De 18,828 De 2,542 Fe 32 De 142 De 3,275 No 130 Au 149 Au 150 Au ⁸ 21	Au 20 Ja 92 Fo 2,387 Ja 80 Ap 113 Ap 185	27 145 3,286 129 148 148 148 21	15,964 2,361 12 126 8,282 126 11 147 147	171 15 18 4 3 187 187	5 1	7,832,060 46,725 433,142 60,125,700 2,180,742 229,826 1,864,848 46,725
41 42 43 44 45 46 47 48 49 50 51 52	Hardware. Locks and builders' hardware. Vehicle hardware. All other Flouse-furnishing goods, not elsewher specified. Ice, manufactured. Iron and steel, blast furnaces. Iron and steel, steel works and rolling mills. Iron and steel, bolts, nuts, washers and rivets, not made in rolling mill Iron and steel forgings, not made in steel works or rolling mills.	- 30 - 9 - 14 - 14 - 18 - 18 - 18 - 18 - 18 - 18 - 18 - 18	2,473 499 1,087 887 478 868 1,209 1,675 476 1,800	12 2 2 1 2 1 $ 3 7 3 1 1 1 3 1 $	22 45 25 19 66 39 68 10	104 17 52 35 32 12 45 118 18 18 197	17 41 33 19 34 18 34 13 39	2, 174 441 949 784 401 742 1, 101 1, 455 423 1, 596	De 550 Oc 1,107 De 9900 De 478 Jy 1,084 Ja 1,173 No 1,675 Se 468 Oc 1,919	Ja 764 Mh 028 Ja 222 Ja 4000 No 1,033 My 1,110 No 387 Ja 1,046	1,063 949 497 769 1,139 1,454 395 1,778	1,952 373 928 651 280 748 1,137 1,450 359 1,690 125	$ \begin{array}{ccccccccccccccccccccccccccccccccc$		1,047,641 2,528,270 1,073,948 5,105,412 15,820,266 10,081,081 1,020,926 0,970,591 804,087
53 54 55 56 57 58 59 60 61 62 63 64	ing. Jawelry. Knit goods. Labels and tags. Leather and reflectors. Leather goods, not elsewhere specific Leather, tanned, curried, and finishe Lime	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 8,43'\\11,03'\\22;\\3,74'\\5&24'\\5&24'\\5&24'\\5&1,01'\\5&6'\\6&1,01'\\3&6,43'\\2&6,43\end{array}$	7 5 1 5 1 1 1 0 2 9 4 1 4 15	8 89 1 17 1 67 1 24 1 15 2 10 4 4 4 4 4 4 4 86	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	No 8 86 Se 1,166 Ap 192 Au 3,622 Jy 1,087 De 5,953 De 5,953 No 8,430	Je 2,97 Mh 74 Ja 733 Ja 14 Ja 13,300 Ja 3,301 Ja 14 Ja 3,301 Ja 3,301 Ja 54' Ja 30 Ja 54' Ja 54' Ja 30 Oc 4' Ja 30' Ja 54' Ja 30' Ja 54' Ja 30' Ja 54' Ja 54' Ja 30' Ja 54' Ja 30' Ja 4,25'	3,542 80 5 81 5 187 2 3,528 2 227 4 504 5 18,170 1 5,833 0 3,385	41 500 111 3, 355 22 68 38 38 17, 92 5, 45 5, 45	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} 8 & 17 \\ 8 & \dots \\ 2 & \dots \\ 4 & \dots \\ 8 & \dots \\ 1 & 22 \\ 2 & 47 \\ 2 & 47 \\ 4 & \dots \\ 1 & 22 \\ 2 & 47 \\ 4 & \dots \\ 1 & 22 \\ 2 & 47 \\ 4 & \dots \\ 1 & 22 \\ 2 & 47 \\ 1 & 22 \\ 2 & 47 \\ 1 & 22 \\ 2 & 47 \\ 1 & 12 \\ 2 & 47 \\ 1 & 12 \\ 2 & 47 \\ 1 & 12 \\ 2 & 47 \\ 1 & 12 \\ 2 & 47 \\ 1 & 12 \\ 2 & 47 \\ 1 & 12 \\ 2 & 47 \\ 1 & 12 \\ 2 & 47 \\ 1 & 12 \\ 2 & 47 \\ 1 & 12 \\ 2 & 17 \\ 1 & 12 \\ 2 & 17 \\ 1 & 12 \\ 1 & 12 \\ 2 & 17 \\ 1 & 12 \\ 1 & 12 \\ 2 & 17 \\ 1 & 12 \\ $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

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

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPEN	ses.		100 m.H		ter ter				ро	WER.				
Sal	aries and v	vages.		Renta	nd taxes.	For ma	terials.				Prin	nary ho	rsepower				-
			For		Taxes,			Value of products.	Value added by manufac-			Own	ed.			Elec- tric horse- power	- r
Officials.	Clorks, etc.	Wage earners.	contract work.	Rent of factory.	Federal, state, county, and local.	Principal materials.	Fuel and rent of power.		ture.	Total.	Steam en- gines (not tur- bines).	Steam tur- bines.	bus-	Va- ter ow- er. ¹	Rent- ed. ²	gener- ated in estab- lish- ments report ing,	n - s
			THE ST	ATE—AI	LL INDUS	STRIES CO	MBINED	AND SPE	CIFIED IN	DUSTRI	ES-Cor	tinued.					
Dollars. 11, 913 183, 376 268, 011 21, 879 30, 598	Dollars. 5,095 90,272 458,374 7,307 15,689	Dollars. 97, 297 956, 254 1, 030, 652 76, 415 118, 130	Dollars. 3,475 8,800 49	Dollars. 1, 728 47, 495 15, 891 1, 852 2, 892	Dollars. 4,597 63,755 141,137 1,712 3,578	Dollars. 458, 584 1, 701, 678 2, 890, 566 41, 825 2 74, 369	Dollars. 2,363 20,029 22,154 5,797 11,224	Dollars. 654, 342 3, 790, 651 7, 297, 824 179, 373 635, 464	Dollars. 193, 395 2, 068, 944 4, 385, 104 131, 751 349, 871	139 471 724 151 120	55 416 65		34		60 445 274 86 101	150	
34,736 549,113 ,062,059	18, 181 1, 180, 893 949, 048	98, 348 2, 830, 077 4, 685, 479	3,229 7,565	6,646 14,441 108,420	13,312 2,207,430 1,597,016	04,629 9,880,817 8,812,160	2,315 115,376 222,896	319,089 23,903,850 25,025,528	222, 145 13, 907, 663 15, 990, 472	54 1,471 5,659	540 265	500	37		54 431 5,357	50 85	
42,617 15,850 ,870,965 3,000	9, 243 1, 146 2, 039, 218 6, 088	242, 724 84, 636 21, 362, 743 81, 748	500 300	16, 649 4, 930 43, 014 7, 570	2,192 1,088 5,103,583 187	77, 797 53, 129 56, 214, 185 38, 572	24,087 24,806 836,508 1,207	535, 620 211, 639 101, 989, 440 201, 395	433, 736 133, 704 44, 938, 747 161, 616	619 53 30, 488 27	3, 350	50	41		578 53 27,009 27	10 3 8,026	11
22, 221 28, 150 11, 812 10, 592 30, 777 8, 151 399, 982 722, 166	$\begin{array}{c} 15,849\\ 14,959\\ 1,900\\ 8,120\\ 33,289\\ 1,402\\ 206,556\\ 772,300 \end{array}$	96, 594 71, 012 74, 557 23, 285 21, 090 81, 003 1, 250, 772 3, 107, 993	2, 720 887 225 10, 144 3, 034	5, 135 6, 892 475 4, 575 2, 490 43, 809 57, 609	11,048 4,407 2,455 1,861 2,422 970 251,841 J,830,598	$\begin{array}{r} 213,775\\ 185,973\\ 46,207\\ 52,647\\ 199,254\\ 135,213\\ 37,776,280\\ 18,095,732\end{array}$	3,673 2,914 9,312 1,385 1,465 1,304 408,815 717,334	$\begin{array}{r} 455,305\\399,221\\177,128\\103,137\\350,330\\184,208\\44,144,434\\35,701,760\end{array}$	$\begin{array}{r} 237,857\\ 210,334\\ 121,609\\ 49,105\\ 149,611\\ 47,691\\ 5,959,339\\ 16,888,694\end{array}$	116 27 370 20 37 48 29,928 12,157	40 9, 560 2, 930	845 500	40 15 2,044 9, 12	767	118 27 290 20 22 48 7,712 8,715	2, 210 4, 900	
638, 635	734, 522	2, 917, 006		49, 089	1,786,669	16, 490, 817	651,830	33, 158, 108	16,015,461	10,761	2, 650	500			7,611	4,800	2
14,860 4,960 63,711 ,343,593 213,738 ,883,297 ,669,095 577,463	6,069 3,853 27,865 4,688,654 153,929 811,261 3,352,090 871,374	$\begin{array}{r} 80,524\\ 14,549\\ 95,914\\ 52,415,677\\ 1,167,693\\ 19,597,140\\ 27,647,338\\ 4,003,506\end{array}$	3,034 1,209,839 35,556 1,040,783 108,200 25,300	780 1,130 6,610 396,745 10,049 50,418 267,732 68,546	$\begin{array}{r} 13,230\\ 3,472\\ 27,227\\ 6,810,539\\ 419,281\\ 1,771,011\\ 4,120,636\\ 493,611\end{array}$	390, 247 334, 275 880, 393 64, 642, 116 2, 037, 965 21, 497, 154 36, 079, 473 5, 027, 524	$18,347 \\ 2,875 \\ 44,282 \\ 4,158,028 \\ 87,094 \\ 2,102,822 \\ 1,761,067 \\ 207,045 \\$	$\begin{array}{r} 574,382\\380,983\\1,588,287\\160,402,545\\5,277,320\\56,322,684\\95,206,966\\12,565,575\end{array}$	$\begin{array}{r} 165,788\\ 43,833\\ 663,612\\ 100,662,401\\ 3,152,261\\ 32,722,708\\ 57,456,426\\ 7,331,006\\ \end{array}$	398 125 873 84,776 2,100 36,891 39,577 6,208	150 130 10,307 1,265 2,630 4,646 1,766	1,507 32 1,475	48 42	57	248 125 731 70, 828 792 34, 130 31, 464 4, 442	100 11,167 586 1,176 7,654 1,751	222
75, 390 7, 000 021, 947 573, 744	175,983 9,277 2,943,921	411, 618 22, 290 19, 659, 909 17, 148, 788	1,838 305,890 296,064	38, 895 2, 815 89, 615 84, 370	52,099 527 2,056,189 1,818,822	1,272,608 110,104 27,527,005 22,810,109	9,034 255 783,207 676,420	2, 443, 527 201, 085 69, 497, 237 58, 569, 672	1, 161, 885 90, 726 41, 187, 025 35, 077, 143	117 6 28,947 25,133	19, 809 17, 629	1,694 1,679		445 295	117 6 6,969 5,512	4, 564 3, 644	0000000
448, 203	1, 040, 164 1, 892	2, 511, 121	9,826	5, 245 2, 040	237, 867 534	4, 710, 896 75, 038	106,787 2,552	10,927,565	6, 109, 882 75, 064	3, 814 113	2, 180 80	15	12	150	1, 457 33	920	3
15,060 70,445 503,947 39,945	40, 165 1, 139, 831 11, 085	83, 286 179, 040 3, 965, 259 157, 883	6, 510 572	25,850 1,520 9,790	$10,004 \\1,247,040 \\4,851$	812, 426 2, 514, 834 324, 200	2,552 5,386 5,755,498 5,751	152,654 1,417,303 17,993,314 619,497	599, 491 9, 722, 982 289, 546	113 75 18,593 137	10, 484 3 5	1,032			67 805 102	3,149	. 3
22, 883 87, 935	4, 241 12, 960	68, 604 244, 047	 244	6,073 115	4, 312 20, 488	397, 569 819, 416	1,934 80,947	532, 652 1, 410, 631	133, 149 510, 268	107 583	21 137		••••••••••••••••••••••••••••••••••••••		86 446		. 3 . 4
9, 300 334, 060 76, 073 167, 530 90, 457 126, 964	10, 203 258, 304 50, 507 99, 768 108, 029 133, 432	21, 640 2, 497, 723 505, 511 1, 224, 411 707, 801 347, 894	11, 106 11, 106	5, 987 53, 451 22, 180 28, 652 2, 619 7, 069	407 204,192 17,800 124,453 61,939 64,789	52, 893 3, 101, 526 087, 039 1, 512, 501 901, 986 780, 797	$1, 647 \\90, 456 \\15, 899 \\47, 145 \\27, 412 \\21, 187$	151,038 8,760,825 1,748,739 4,206,711 2,805,375 1,954,741	96, 498 5, 568, 843 1, 045, 801 2, 647, 065 1, 875, 977 1, 152, 807	25 2,671 319 1,419 933 1,608	755 75 150 530 1,010		40	75	25 1, 876 244 1, 229 403 523	113 113 113 200	4444
153, 121 123, 442 811, 943	80, 101 89, 927 268, 358	1, 186, 323 1, 719, 380 2, 471, 088	3 	12,000	81, 299 565, 518 641, 542	452, 670 4, 904, 869 2, 393, 307	264,700 5,393,552 508,496	2, 821, 688 13, 533, 739 8, 344, 643	2, 104, 252 3, 235, 318 5, 442, 840	8, 137 6, 367 9, 142	1, 328 4, 805 2, 710	1,125	 		6, 809 437 6, 432	3 2, 403 405	4
91, 592	69, 922	544, 432	82, 554	3, 862	51, 369	865, 167	78, 595	1, 941, 884	998, 122	970					970	•••••	. 5
282, 425 77, 915	178, 109 15, 246	2, 380, 888 184, 256	 242	10,300 17,588	260, 535 11, 049	4, 474, 800 123, 218	386, 911 42, 993	8, 559, 190 616, 279	3, 697, 479 450, 068	6, 757 371	2, 420	150	76		4,187 295	900 - 70	1
54, 207 324, 152 33, 043 210, 981 89, 895 626, 698 23, 150 348, 821 138, 474 17, 640 037, 905 334, 351		150, 954 2, 114, 308 79, 808 1, 340, 320 133, 679 4, 162, 540 183, 272 1, 052, 401 407, 455 48, 107 14, 508, 524 5, 821, 510	242 4,010 226,850 1,668 	$18,221 \\108,524 \\6,225 \\6,576 \\11,380 \\1,270 \\200 \\26,100 \\14,705 \\11,750 \\19,886 \\54,293 \\$	3,000 058,301 7,199 52,142 14,604 11,916,156 11,044 703,979 57,172 961 1,432,704 719,063	422, 250 6, 055, 330 131, 892 2, 035, 882 824, 188 31, 085, 075 148, 590 1, 777, 029 766, 042 50, 025 15, 471, 880 23, 643, 702	1,495 135,056 3,665 56,484 5,479 766,723 142,424 249,956 18,817 1,333 211,676 365,706	$\begin{array}{c} 961, 685\\ 12, 039, 377\\ 328, 712\\ 5, 563, 932\\ 1, 258, 893\\ 45, 800, 786\\ 625, 750\\ 625, 750\\ 5, 276, 052\\ 1, 929, 149\\ 189, 123\\ 46, 043, 855\\ 37, 869, 230\\ \end{array}$	537,940 5,248,991 193,155 3,471,566 429,226 13,348,988 334,730 3,240,067 1,144,290 137,765 30,350,299 13,859,822	76 3,073 78 1,772 132 12,243 1,195 6,658 687 17 79,449 27,070	1,460 8,278 1,000 3,279 517 70,028 14,968	520 520 4,245 1,752	15 42 1,110 118 25	D10	76 1,598 78 1,772 90 2,335 77 3,379 145 17 2,307 10,113	807 6,549 350 266 26 6,499 2,802	55555666

³ Same number reported for one or more other months.

TABLE 36 .- DETAILED STATEMENT OF ALL INDUSTRIES

1284

					PERS	SONS EN	GAGED	IN THE	INDUSTRY,		WA NEAR	GE EARN EST REPR	ERS DEC RESENTA	7. 15, OR TIVE DAY	
		ots.			Sala-	Clerl	cs, etc.		Wage earı	lors.		16 an	d over.	Under 1	3.
	INDUSTRY AND CITY.	blishmen		Pro- pric- tors	ried offi- cers, super-		-		Number,	15th day of—	-[]				Capital.
		Number of establishments.	Total.	and firm mem- bers.	in- tend- ents, and man- agers.	Male.	Fe- male.	Aver- age num- ber.	Maximum month.	Minimum month.	Total.	Malo.	F6- male.	Male na	
	THE ST	TATE	-ALL 1	INDUS	TRIE	S COM	BINE	D AND	SPECIFIEI	D INDUST	RIES-Co	mtinued.			
1 2 3	Marble and stone work. Monuments and tombstones Other marble and stone work, except slate.	103 83 20	595 341 254	115 99 16	47 19 28	48 32 16	20 15 5	365 176 189	Se 187 No 281	Ja 152 Ja 105	414 190 224	412 188 224	22		
4 5	Mattresses and spring beds, not else- where specified. Millinery and lace goods, not else-	16 12	222 427	15 6	16 25	12 27	8 50	171	Se 207	Ja 125	188	151	37		- 540, 661
6 7 8 9	where specified. Mineral and soda waters. Mineral and carbonated waters. Fruit beverages. Models and patterns, not including	131 126 52	929 814 115 1,009	180 159 1 41	25 70 58 12 71	27 35 32 3 16	62 54 8 20	319 602 511 91 861	Au 380 Jy 717 Se 177 De 1,043	Ja 351 Ja 37	325 529 455 74 1,069	132 519 448 71 1,064	181 7 4 8 4	8 4 3 3 1	4,666,587 3,148,638 1,517,949
10	paper patterns. Musical instruments and materials, not specified.	11	474	- 7	31	9	49	878	Ja 407	Se 362	360	266	93	1	
11 12 13 14 15	Musical instruments, planos Needles, pins, and hooks and eyes Oil, essential Oil, vegetable and composite Optical goods	8 3 29 3 11	1,257 162 115 117 272	31 7	34 11 12 10 18	77 2 7 17 13 423	24 7 3 39	1,122 142 62 87 195	De 1,288 De 158 Au 116 De 143 Au 207	Ap 130 Ja ³ 47 Ja 31	$1,288 \\ 148 \\ 117 \\ 96 \\ 178$	$ \begin{array}{r} 1,103 \\ 90 \\ 114 \\ 96 \\ 120 \end{array} $	3	44 0	440, 871
16 17 18 19 20 21 22 23	not specified. Musical instruments, pianos	24 39 27 4 8 10	10, 225 7, 533 309 2, 383	6 3 3 7	119 279 176 7 96	$ \begin{array}{r} 241 \\ 182 \\ 9 \\ 50 \end{array} $	233 141 109 3 29	7,063 290 2,208	Oc 1, 167 De 7, 343 No 346 No 2, 310	Ap 2,063	$ \begin{array}{c c} 1, 124 \\ 9, 825 \\ 7, 339 \\ 313 \\ 2, 173 \\ \end{array} $	1,004 8,558 6,217 310 2,031 293	118 1,265 1,120 3	$\begin{array}{c c}1&1\\2&2\\2&2\\2&2\\2&2\\2&2\\2&2\\2&2\\2&2\\2&2\\$	53, 680, 651
22 23	Patent medicines and compounds Patent and proprietary medi- cines.	70 49	568 2,146 1,983	41 27	30 223 187	57 248 227	29 23 242 218	451 1, 392 1, 324	Au 503 No 1,432	No 433 Jy 1,192	446 1,485 1,396	293 645 580	143 838 814	10 2 2	2, 533, 806 6, 627, 919 5, 883, 231
24	Patent and proprietary com- pounds, not elsewhere speci-	21	163	14	36	21	24	68	Au 8 74	Je 61	89	65	24		744, 668
25 26 27 28 29 30 31 32	Paving materials. Perfumery and cosmetics. Phonographs and graphophones. Photo-engraving. Pickles, preserves, and sauces. Preserves. Pickles end seuces.	9 21 10 18 44 4 4 40	293 222 929 263 653 82 571	$ \begin{array}{c} 10 \\ 11 \\ 9 \\ 27 \\ 1 \\ 26 \end{array} $	14 25 46 39 51 7 44	$ \begin{array}{r} 17 \\ 14 \\ 42 \\ 26 \\ 58 \\ 2 \\ 54 \\ 54 \end{array} $	2 32 42 20 36 2	250 140 798 169 483 70	Au 341 Oc 169 De 1,036 No 183 Jy 174 Se 614	Ja 101 Mh 637 Ja 139 Ja 18	325 163 1,019 182 551 51	325 00 907 175 411 42	97 106 7 137 9	$\begin{array}{c c}1&2\\6&\ldots\\3&\ldots\end{array}$	2, 590, 218 322, 010 3, 186, 311 433, 766
33	specified.	6	1, 032 835	9	55 71	80 16	34 51 87	413 837 708	Se 614 De 1,085	Ap 301 Ja 662	500 989 819	869 910 487	128 79 329	. 9 	11:
34 35 36	Earthen and stone ware. Printing and publishing, book and	3 436	780 55 5, 216	3 418	67 4 399	15 1 318	36 1 369	662 46 3, 717	Ja 812 No 55	Au 615 Jy 37	700 53 3, 980	434 53 2, 726	329 1,208	3 3 47 5	$\begin{array}{c} 1,800,703\\ 1,775,102\\ 85,511\\ 11,366,835 \end{array}$
37 38 39	Job printing. Book publishing and printing Book publishing without print- ing.	405 5 16	4, 750 65 219	387 5 10	366 4 15	197 5 115	273 10 77	3, 527 41 6	De 4,017 Oc 49 (4) 2	Ja 3,535 Je 31 (4) 2	$\begin{array}{c}3,812\\43\\2\end{array}$	2, 583 30 2	1, 177 13	47 5	$\begin{array}{r} 10,273,161\\ 218,939\\ 498,930\end{array}$
40 41	Linotype work and typesetting. Printing and publishing, newspapers and periodicals.	10 565	182 6,643	11 483	14 1,021	1 1,142	9 821	147 8, 176	De 163	Ap 135	129 3, 392	$111 \\ 2,723$	18 596	66 7	375, 805 14, 562, 346
42 43	Printing and publishing. Printing, publishing, and job	44 438	3, 069 3, 248	14 432	199 753	890 178	452 250	1, 514 1, 635	De 1,637 De 1,703	Ja 1,410 Fe ⁸ 1,597	1, 633 1, 732	1, 528 1, 175	94 496	10 1 55 6	8, 918, 086 5, 191, 085
48	Publishing without printing Printing materials. Pumps, not including power pumps. Refrigerators. Rubber tires, tithes, and rubber goods, pot elsewhere specified	83 6 12 7	326 12 294 1,918 7,053	37 2 4 4	69 3 14 88 173	74 1 15 99 1,481	119 1 16 72 351	27 7 247 1,655 5,044	Au ^a 29 (⁴) 7 Se 336 De 1,938 De 5,968	Ja. 24 (4) 7 Fe 175 Jy 1,511 Ja 4,184	27 7 263 1,929 5,881	20 7 129 1,745 5,430	6 5 177 438	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	453, 175 33, 001 479, 937 6, 190, 766 57, 418, 022
50 51 52	Salt. Sand-lime brick. Sansago, not made in slaughtering and meat packing actrobiometers	$51 \\ 12 \\ 7 \\ 29$	2, 513 123 228	50 32	$ \begin{array}{c} 11 \\ 95 \\ 14 \\ 10 \end{array} $	257 18	7 98 3 9	253 2,063 106 159	No 317 De 2,255 Au 136	My 185 Mh 1,923 Mh 46	300 2,274 137 163	217 2,110 137 143	83 154 19	10 1	942, 557 12, 804, 398 428, 081 483, 363
54 55 56 57 58	Sausage casings. Sausage casings. Saws. Scales and balances. Screws, machine. Shipbuilding, steel, new vessels and small boats.	18 11 9 3 20 7	131 97 109 575 1,854 17,061	19 13 8 11 1	6 4 14 20 103 428	$ \begin{array}{c} 12 \\ 6 \\ 9 \\ 43 \\ 55 \\ 526 \\ \end{array} $	6 3 83 61 110	88 71 70 420 1,624 15,996	Oc ³ 92 De 75 Do 75 Oc 534 No 1,811 Mh 20,269	Ja 84 Ap 67 Ja 67 Ja 202 Ja 1,440 De 9,460	88 75 74 506 1,754 19,133	79 64 73 487 1,562 19,073		1	$\begin{array}{r} 283,025\\ 200,338\\ 405,667\\ 2,253,891\\ 6,655,739\\ 21,826,060\end{array}$
60 61	Shipbuilding, wooden, including boat building. New vessels and small boats Repair work only	26 20 6 10	613 307 306 524	17 13 4 3	25 20 5 15	15 7 8 20	11 9 2 9	545 258 287	Mh 327	Se 204 Ja 88	906 299 607	904 297 607	2.2		2, 270, 552 1, 093, 075 1, 177, 477

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

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COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

880 C

			EXPE	NSES.			· <u>······</u> ·····························					PO	WER.				
Sala	aries and w	7ages.		Rent a	nd taxes.	For ma	terials.				Prin	ary ho	rsepow	er.		Tilaa	-
			For		Taxes,			Value of products.	Value added by manufac-			Own	ed.			Elec- tric horse powe	r
Officials.	Clerks, etc.	Wage carners.	contract work.	Rent of factory.	Federal, state, county, and local.	Principal materials.	Fuel and rent of power.		ture.	Total.	Steam en- gines (not tur- bines).	Steam tur- bines.	Inter- nal- com- bus- tion en- gines,	Wa- ter pow- er. ¹	Rent- ed. ²	gener ated in estab- lish- ment: report ing.	n - s
			THE ST	ATE-A	LL INDU	STRIES CO	MBINED	AND SPE	CIFIED IN	DUSTR	ES-Co	ntinued	•			• • •	
Dollars. 109,395 39,340 70,055	Dollars. 91,706 66,779 24,927	Dollars. 547,499 256,095 291,404	Dollars. 30,750 17,433 13,323	Dollars, 17,453 6,989 10,464	Dollars. 23,596 12,379 11,217	Dollars. 985,338 612,332 373,006	Dollars. 36, 152 18, 702 17, 360	Dollars. 2,579,563 1,488,541 1,091,022	Dollars. 1,558,073 857,417 700,656	2,098 692 1,406	135 135		46 46		1,917 646 1,271	8 3	
45,431	18,998 141,606	195,676 222,820	355 14,770	10,450	12,721	773,410	11,563	1,369,403	584, 430	487		••••	•••••		487		-
140,015 184,356	114,873 103,325	772,395 666,352	1.360	14,046 35,772	195, 251 222, 783	1,038,329 2,784,938	8,829 80,178	2,221,578 5,466,851	1, 174, 420 2, 601, 735	245 1,921	200 497	•••••	•••••• 6	 2 2	45 1,416	231 246	
143, 189 41, 167 257, 901	103, 325 11, 548 43, 722	106,043 1,724,836	1,360 204	33,672 2,100 48,803	207,253 15,530 46,284	2,784,938 1,702,754 1,082,184 416,167	72,256 7,922 23,526	5,466,851 3,864,644 1,602,207 3,279,952	2,601,7352,089,634512,1012,840,259	$1,622 \\ 299 \\ 636$	207 290		3 3 6	2 	1,416 1,410 630	246 33	
64,173 247,497	59,399 149,324	389,258 1,170,048	200	4, 126 7, 357	26, 221 181, 579	245, 348 2, 774, 186	13,121 49,311	866, 101 5 397 445	607,632	268	 1,037	•••••	•••••	••	268 730	482	. 10
74,707 55,451 31,612 40,000 449,812 1,237,077 778,803 25,150	$12,347 \\ 13,683 \\ 42,643 \\ 60,042 \\ 1,034,354$	$\begin{array}{r} 135,863\\ 50,849\\ 81,422\\ 183,212\\ 1,275,903\\ 11,177,009\\ 8,260,540\\ 353,874 \end{array}$	2,000	650 70 2,678 4,010 31,621 32,722 31,122 1,600	47, 621 11, 857 10, 218 1, 029 478, 599 3, 034, 802 2, 166, 950 52, 337	112,089 659,599 2,550,973 355,337	8,744 9,291 20,325 6,188 103,437 3,925,143 2,734,183	5,397,445 667,935 951,250 2,819,776 1,008,542 16,435,155 66,299,513 52,433,859 1,470,960	$\begin{array}{r} 2,573,948\\ 547,102\\ 282,360\\ 248,478\\ 647,017\\ 6,870,813\\ 25,946,066\\ 19,041,709\\ 642,006\\ 19,041,709\\ 642,000\\ 19,041,709\\ 643,000\\ 19,041,000\\ 19,041,000\\ 19,041,000\\ 10,041\\ 10,000$	1,767204715321164 $3,85095,72958,89012,260$	1,037 690 200 90 1,875 57,347 46,696 470	10,050 6,443	1	23,019	169 121 74 1,811 5,313 1,851	5 82 1,214 33,594 21,171	- 1 1 1 1 1
433,124 119,757 660,907 540,386	108, 870 128, 741 683, 520 635, 524	2,582,595 480,642 1,204,359 1,117,761	11,612 7,412	6,320 49,883 32,181	815, 515 114, 385 333, 938 315, 747	9,460,903 36,428,304 30,657,967 725,303 5,045,034 2,256,505 4,143,426 3,450,289	109,567 1,081,393 39,104 69,380 61,084	12,394,694 3,747,514 9,948,329 8,688,235	25,946,066 19,041,709 636,090 6,268,267 1,451,905 5,735,523 5,176,862	13,360 23,479 577 1,026 814	10, 181 200 610 535	80 3,527	 3 	10,900 8,219	1,910 1,552 287 413 279	500 11,923 608 842 842	
120, 521	47,996	86,598	4,200	17,702	18, 191	693,137	8,296	1,260,094	558,661	212	75		8		134		- 2
$\begin{array}{c} 33,151 \\ 79,524 \\ 110,525 \\ 102,714 \\ 141,295 \\ 20,402 \\ 111,893 \\ 148,409 \end{array}$	$\begin{array}{r} \textbf{32,407}\\ \textbf{59,034}\\ \textbf{140,431}\\ \textbf{65,623}\\ \textbf{139,150}\\ \textbf{3,386}\\ \textbf{135,764}\\ \textbf{203,942} \end{array}$	$\begin{array}{c} 346,064\\ 116,688\\ 608,203\\ 308,257\\ 404,588\\ 64,853\\ 339,735\\ 873,708\\ \end{array}$	135 712,160 23,883 	$\begin{array}{c} 2,175\\ 20,511\\ 2,669\\ 24,175\\ 6,991\\ 3,705\\ 3,286\\ 7,234 \end{array}$	$\begin{array}{r} 36,156\\ 32,201\\ 114,676\\ 7,179\\ 127,283\\ 23,464\\ 103,819\\ 48,859\end{array}$	$\begin{array}{r} 283,821\\ 474,034\\ 1,632,731\\ 113,777\\ 2,971,623\\ 765,306\\ 2,206,317\\ 1,488,933\end{array}$	71,656 7,268 40,112 7,345 37,825 6,248 31,577 46,019	883,991 1,092,499 4,230,492 964,944 4,836,452 1,129,361 3,707,091 3,299,739	$\begin{array}{r} 528,514\\611,197\\2,557,649\\843,822\\1,827,004\\357,807\\1,469,197\\1,764,787\end{array}$	7,414 145 611 143 661 94 567 1,938	2,720 30 300 214 45 169 760	30 30	12 55 55		4,682 115 311 143 362 49 313 1,178	130	22222333
216,363 207,363 9,000 1,146,866	67,013 66,330 1,583 990,327	$\begin{array}{r} 851,180\\ 709,240\\ 51,931\\ 4,681,124\end{array}$	562,319	372,228	53,977 52,279 1,698 253,518	394,878 359,396 35,482 6,318,942	$147,083 \\139,441 \\7,642 \\152,854$	2,113,252 1,985,766 127,486 17,675,925	$1,571,291 \\ 1,486,929 \\ 84,362 \\ 11,204,129$	879 735 144 4,261	520 420 100 540	46		·····	359 315 44 3,653	859 859 433	3333
,069,549 7,930 31,746	$531,857 \\ 13,377 \\ 434,640$	4, 426, 327 38, 429 2, 548	381,571 1,669 179,079	$347,265 \\ 4,140 \\ 11,053$	242, 884 2, 653 5, 297	6,122,828 86,503 73,508	145, 131 3, 169 529	16,093,502 226,978 880,230	9,825,543 137,306 806,193	4,121 90	540	46	22		3, 513 90	433	. 3
37,641 3,781,009	10,453 2,394,038	213, 820 3, 935, 040	583,320	9,770 199,152	2,684 985,318	36,103 7,506,072	4,025 190,073	475, 215 24, 930, 421	435,087 17,234,276	50 6,438	15		396	15	50 6,012		. 4 4
726, 595 470, 458	1,740,190 455,305	2, 235, 540 1, 671, 831	13, 478 98, 982	61,791 106,234	868, 506 76, 598	5,609,663 1,677,240	84, 448 104, 490	17,019,172 6,297,947	$11,325,061 \\ 4,516,217$	3,725 2,662	15	• • • • • • • • •	396	15	3,725 2,236	·····i4	4
180, 956 7, 760 45, 836 263, 493 803, 667	$198,543 \\ 1,649 \\ 27,530 \\ 221,111 \\ 2,449,238$	27,609 '8,739 205,376 1,575,915 7,181,166	470, 860 344	31, 107 3, 282 8, 576 9, 000 3, 780	40, 214 1, 475 3, 358 194, 900 2, 008, 780	219, 169 8, 060 348, 100 3, 140, 571 20, 747, 228	1,13545411,21065,263432,386	1,613,302 50,884 815,711 6,718,348 50,318,116	1,392,99842,370456,401 $3,512,51429,138,502$	51 6 298 3,468 8,752	2, 705 2, 025	4, 500	 150		51 6 298 613 2, 227	1,358 6,435	4 4 4 4 4
35, 692 413, 813 30, 805 25, 870	11,914490,0172,34838,828	$267,090 \\ 2,539,083 \\ 140,855 \\ 226,047$	3, 613	17,026 1,350 5,119	80, 398 511, 348 18, 076 7, 140	$\substack{1,088,026\\4,207,499\\184,736\\2,283,468}$	10, 953 2, 131, 420 32, 995 29, 966	2, 101, 341 14, 053, 799 530, 609 2, 930, 736	$\substack{1,002,362\\7,714,880\\312,938\\617,302}$	188 10, 321 815 776	5, 538 750 148	1,743			188 3,038 60 628	1,582 10	4 5 5 5
13, 796 12, 080 39, 971 80, 770 375, 995 ,006, 431	$\begin{array}{r} 24,524\\ 14,304\\ 19,424\\ 172,818\\ 149,782\\ 669,223 \end{array}$	128, 314 97, 733 87, 133 515, 975 2, 114, 403 28, 183, 839	3, 500 113 500 26, 149	2, 470 2, 649 3, 867 21, 936 18, 497 16, 120	3, 560 3, 580 35, 152 84, 309 595, 708 3, 744, 860	$\begin{array}{c} \textbf{1,319,511}\\ \textbf{963,957}\\ \textbf{174,737}\\ \textbf{500,296}\\ \textbf{3,502,023}\\ \textbf{34,391,460} \end{array}$	$12,144 \\17,822 \\5,439 \\12,628 \\120,752 \\655,177$	1,750,880 1,179,856 406,106 2,340,245 7,935,902 83,124,336	$\begin{array}{r} 419,225\\198,077\\285,930\\1,827,321\\4,313,127\\48,077,699\end{array}$	524 252 195 380 4,337 30,047	148 125 80 500 2,835	1, 200	•••••		376 252 65 300 3,837 25,684	85 2,838	5
73,079 57,627	33,739	737, 881		5, 510 4, 840	14, 498 4, 118	1, 046, 933 868, 138	26, 678 14, 277	2,030,366 1,498,168	956, 755 615, 7 53	1,106 595	385 155	•••••	53 35	•••••	668 405		6
15, 452 28, 357	16,679 17,080 10,208		1,608	670 7, 202	10, 380 3, 884	808, 138 178, 795 1, 078, 875 ther months.	12,401 7,378	1, 498, 168 532, 198 1, 726 477	615,753 341,002 640,224	511 68	230	hrough	18		263		6

TABLE 36 .- DETAILED STATEMENT OF ALL INDUSTRIES

-					PERS	ONS EN	GAGED	IN THE I	NDUSTRY.		WAC NEARE	E EARNI ST REPR	ERS DEC	. 15, OR TIVE DAY.	
		ats.			Sala-	Clerk	s, etc.		Wage carn	ers.		16 and	l over.	Under 16.	
	INDUSTRY AND CITY.	ber of establishments.	Total.	Pro- prie- tors and firm mem- bers.	ried offi- cers, super- in- tend- ents, and man-	Male.	Fe- male.	Aver- age num- ber.	Number, 1 Maximum month.	5th day of— Minimum month.	Total.	Male.	Fe- male.	Male F6-	Capital.
~		Number			agers.										
	THE ST	ATE-	-ALL II	NDUS	TRIES	COMB	INED	AND S	PECIFIED	INDUSTRI	ES-Con	tinned.	<u>,</u>	1	· · · ·
1 2 3 4	Show cases Signs and advertising novelties Signs, other than electric Electric signs and advertising	6 25 17 8	310 355 152 203	2 32 24 8	$14 \\ 25 \\ 10 \\ 15$	24 15 3 12	9 23 3 20	261 260 112 148	No 277 Jy 131 Oc 198	Ja 239 Fo 88 Ja 90	265 306 111 195	252 234 110 124	13 72 1 71	· · · · · · · · · · · · · · · · · · ·	Dollars, 902, 853 793, 575 174, 980 618, 595
5 6 7	novelties. Slaughtering and meat packing Smelting and refining, copper Smelting and refining, not from the	24 4 4	2,083 759 41	18	73 9 10	193 37 3	87 4 3	1,712 709 25	De 2,073 Mh 973 Ja 26	My 1,465 Je 537 Au 24	2, 073 598 24	1,773 598 23	297 1	$\begin{array}{c c} 2 & 1 \\ \hline & & \\ \end{array}$	$16, 431, 187 \\5, 940, 624 \\186, 783$
8 9	ore. Sporting and athletic goods Springs, steel, car and carriage, not made in steel works or rolling mills, Stamped ware, not elsewhere speci-	12 6	423 1,972	7	24 39	9 37	10 26	373 1,870	De 447 Se 2,100	Ja 290 My 1,549	445 1,952	324 1, 835	121 117	· · · · · · · · · · · · · · · · · · ·	913, 735 3, 707, 451
10 11 12	Stamped ware, not elsewhere speci- fied. Statuary and art goods Steam fittings and steam and hot- water heating apparatus.	21 4 15	1,350 22 865	4 7 2	72 	37 	52 1 25	1,185 14 762	Au 1,380 De 16	Ap 845 Fo ⁻⁸ 12	1, 125 16 1, 253	870 16 1,224	254 29	1	4, 200, 572 11, 829 3, 101, 554
13 14	Radiators and cast-iron heating boilers.	4	766 99	2	13 18	86 9	16 9	701 61	Oc 1,203	My 138 Fe 38	1,174	1,145	29		2, 840, 865 260, 689
15 16 17 18 19 20	Steam packing. Stencils and brands. Stereotyping and electrotyping Stoves and hot-air furnaces. Stoves and ranges. Hot-air furnaces and fireless	6 4 8 21 8	326 33 228 5,040 3,190	21235	16 6 22 188 87	19 13 397 232	$15 \\ 2 \\ 13 \\ 210 \\ 128 \\ 20 \\ 128$	275 23 177 4,240 2,743 1,497	No 325 De 36 De 199 No 3,021	Ap 195 My 17 Ja 136 Ja 2,423 Ja 1,392	303 37 200 4,601 2,928 1,673	$ \begin{array}{r} 164 \\ 24 \\ 193 \\ 4,502 \\ 2,837 \\ \end{array} $	139 12 6 91 83	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{r} 260, 689 \\ 1, 300, 305 \\ 49, 163 \\ 332, 864 \\ 18, 843, 360 \\ 11, 406, 813 \end{array}$
20 21 22	cookers. Stoves, gas and oil Structural ironwork, not made in	13 7 34	1,850 1,252 3,118	5 	101 38 128	165 177 487	82 36 168	1,497 1,001 2,313	No 1,658 De 1,132 De 2,727	Ja 1,392 Ja 870 My 1,932	1,673 1,169 2,731	$1,665 \\ 1,101 \\ 2,657$	8 68 73	·····	7, 436, 547 4, 564, 041 12, 116, 532
23 24 25 26	Surgical appliances. Tinware, not elsowhere specified Tobacco, chewing and smeking, and	16 9 6 14	2,221 108 1,022 1,004	10 10 11	$ \begin{array}{r} 106 \\ 8 \\ 41 \\ 16 \end{array} $	$210 \\ 1 \\ 34 \\ 140$	69 5 29 21	1, 836 84 918 816	De 4,383 Mh 91 Oc 963	Mh 590 Ja 76 Mh 848	4, 807 82 967 784	4, 733 20 575 266	74 62 392 518		27, 673, 805 81, 620 3, 200, 475 5, 041, 982
27 28 29 30	snuff. Chewing and smoking Snuff Tobacco, eigars and eigarettes Tools. not elsewhere specified	8 6 349 89	998 6 6,234 3,827	5 6 360 57	16 268 205	140 92 165	21 58 139	816 5,456	Ja 932 Dc 5,918	Ap 752 Je 4,656	784 6,103 8,803	266 1,000 3,246	518 5, 088	5 10	5, 020, 452 21, 530 9, 221, 680 8, 464, 898
31 32 33 34 35	Tobacco, cigars and cigarettes Tools, not elsewhare specified Machinists' tools All other. Toys and games. Trunks and values. Upholstering materials, not else-	54 85 12 10 9	2, 344 1, 483 403 237 236	30 27 12 11 4	130 75 16 12 18	93 72 7 4 6	95 44 7 11 4	5,456 3,261 1,996 1,265 361 199 204	No 2,425 No 1,498 Au 466 Jy 201 No 223	De 1,344 Ap 1,146 Ja 267 My 196 Mh 184	2,334 1,469 353 109 228	2,231 1,015 248 126 183	554 102 452 104 73 45	$\begin{array}{c}3\\1\\2\\\ldots\\1\end{array}$	5, 118, 076 3, 346, 822 910, 857 519, 666
36 37 38	Varnishes. Vinegar and cider	6 42 10	452 169 84	1 50 15	47 13 7	119 1	92 5 2	193 100 60	No 222 Oc 118	Mh 169 Ja ⁸ 39	200 142 74	187 122 54	10 20 20	•••••	1, 127, 682 3, 408, 004 1, 079, 167 847, 923
39 40 41 42	Vinegar Cider Wall plaster and composition flooring. Window and door screens and weather strips. Window and door screens	32 10 15	85 744 379	35 1 10	6 33 16	1 91 16	34 18	40 585 319	Oc 111 No 700	Je 17 Ja 401	68 653 377	68 630 313	23 60	4	1, 070, 167 847, 923 291, 244 2, 847, 954 1, 723, 212
43 44 45 46 47	Weather strips Window shades and fixtures Wirework, not elsewhere specified Wowan-wire fencing	11 4 5 38 11 27	347 32 864 2,901 747 2,154	8 2 19 2 17	$ \begin{array}{r} 12 \\ 4 \\ 24 \\ 135 \\ 84 \\ 101 \\ \end{array} $	9 7 34 140 74	10 8 40 91 23	308 11 760 2, 516 614	Ja 360 De ³ 12 De 941 Mh 697	Jy 230 Au ³ 10 Ap 588 Jy 542 Ja 1,434	305 12 941 2,775 735	301 12 624 2, 154 735	60 316 601	$\begin{array}{c c} 4 & \dots \\ & 1 \\ \hline 13 & 7 \end{array}$	1, 537, 795 185, 417 2, 369, 206 8, 993, 804 3, 455, 055 5, 538, 749
48 49 50 51 52	All other. Wood distillation Wood, turned and carved. Wooden goods, not elsewhere specified Woolen goods. All other industries *.	16 34 18 9 199	1, 764 715 1, 118 880 20, 856	27 13 2 105	72 41 42	66 69 8 57 14 1,166	23 68 37 17 22 17 694	1, 902 1, 586 622 984 812 18, 011	Jy 2,170 Fo 1,773 Je 723 De 1,142 De 892	Jā 1,434 Jo 1,444 Ja 550 So 872 Ja 682	2,040 1,591 759 1,185 892	1,4191,591692819505	601 64 338 377	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5, 538, 749 15, 381, 952 1, 525, 818 2, 490, 201 3, 624, 687 90, 404, 045
Arti Bal Bag In Bak Bell Bla Blu Blu Can Car Car O	Initial flowers 1 bbitt metal and solder 6 s, paper, notincluding bags made 1 paper mills 1 ing powders and yeast 2 ing, woven, other than rubber 1 iard tables and accessories 2 king, stains, and dressings 2 ing 2 tand shoe cut stock 2 tons 5 ning and preserving, fish 2	china Charce indu Chewi China done Clocks Clocks, Corda Corda Corda Corda Sive	registers les	ncludin and wo ng, not rries	g produ od dist includi finishin s-house sirups textiles	etion in illation ng that g coke , exclu- mills.	8 1 2 2 1 1 1 2 2 1 1 1 2 2 1 2 2 1 2 2 1 2 2 1 2 1	Emery an Engravin Engravin Explosiv Felt good Pertilizer Pireextin Pireextin Pireextin Pirework Poundry Balvanizi Bas mael meters Nass	nd other abr g and diesin es. s. s. guishers, ch s. supplies ng inos and g	is—natural astvo wheels. Iding emical		Hucose an hold and ing, not hraphite, hraphite, hrandston lair work lardware lat work lardware lat and c straw, a lats, stra lats, stra lats, stra lorsoshoo or rollin nk, print	nd starc sliver, i from th ground los. , saddla ap mata l caps, .nd wo folt. 	ns, leather. h coducing an coducing an coducing an coducing an notion of the nade in ste	4 id roin-2 2 1 1 an felt, 1 ol works 1

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains). ⁹ Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-bolt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPE	NSES.			. : ·					PO.	WER.			Γ
Sala	ries and w	ages.		Rent a	nd taxes.	For mat	terials.				Prir	nary hor	sepower.		Elec-	1
			For					Value of products.	Value added by manufac-			Own	ed.		tric horse- power gener-	
Officials.	Clerks, etc.	Wage earners.	contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.		ture.	Total.	Steam en- gines (not tur- bines).	Steam tur- bines.	Inter- nal- com- bus- tion en- gines.	- ea	ated in estab- lish- ments report- ing.	
			THE ST	ATE-A	LL INDUS	STRIES CO	MBINED	AND SPE	CIFIED IN	DUSTRI	ES-Co	ntinued.	•			
Dollars. 53,038 72,302 32,129 40,173	Dollars. 81, 745 54, 626 7, 272 47, 354	Dollars. 305, 416 274, 901 148, 707 126, 194	Dollars. 7,269 685 6,584	Dollars. 7,640 5,541 2,099	Dollars, 32,451 11,565 2,475 9,090	Dollars. 462, 059 363, 616 106, 707 256, 909	Dollars. 20, 083 22, 178 15, 764 6, 414	Dollars. 1,158,181 1,080,477 389 084 691,393	Dollars. 676,039 694,683 266,613 428,070	685 87 67 20	225			460 87 67 20		1234
313,008 45,180 32,827	348, 823 65, 304 8, 889	2, 277, 400 847, 194 45, 430	15	4, 803 2, 760	176, 749 78, 574 2, 325	49, 581, 119 25, 274, 678 392, 978	193, 229 469, 884 11, 831	59, 584, 740 32, 724, 696 549, 430	9, 810, 392 6, 980, 134 144, 621	4,746 3,708 73	2,735 3,400	500		1,511 308 73	1 274 2,210	5 6 7
53, 568 272, 125	12, 905 88, 065	331, 084 2, 242, 320	206	590	31, 453 65, 644	316, 810 5, 133, 090	14, 607 292, 800	961, 558 8, 471, 558	630, 141 3, 045, 668	804 1,786	570			234 1, 786	14	89
230, 890	107 893 780 121, 581	1, 213, 565 19, 415 1, 237, 962	4, 850	20, 017 2, 850 8, 775	486, 781 44 44, 256	3, 768, 448 8, 348 1, 431, 679	74, 761 459 141, 154	7,636,163 54,757 3,062,750	3, 792, 954 45, 950 1, 489, 917	1,248	1,165		·····	1,248 	695	10 11 12
54, 991	47, 806	1, 152, 985			28, 938	1, 251, 587	138, 068	2, 566, 839	1, 177, 184	1, 513	1,165			348	695	13
$\begin{array}{r} 39,368\\ 50,014\\ 11,315\\ 84,702\\ 809,692\\ 458,458\\ 351,234 \end{array}$	73, 775 45, 092 1, 475 22, 066 909, 988 544, 002 365, 980	84,977 283,930 28,619 247,783 5,859,399 4,027,744 1,831,655	494	8,775 7,771 4,475 15,626	15, 318 15, 886 2, 228 10, 297 789, 829 359, 173 430, 656	180,092 657,135 46,333 117,878 6,008,924 3,036,960 2,971,964	3,086 7,088 1,371 14,470 279,313 185,077 94,236	495, 911 1, 115, 495 116, 602 750, 600 20, 488, 715 11, 580, 108 8, 908, 607	$\begin{array}{c c} 312,733\\ 451,272\\ 68,898\\ 018,252\\ 14,200,478\\ 8,358,071\\ 5,842,407\end{array}$	93 292 31 444 8,480 4,560 3,920	4,265 2,660 1,605	1,030 30 1,000	80		3, 313 1, 837 1, 476	14 15 16 17 18 19 20
219, 842 555, 833	404, 209 79, 265	1, 100, 021 3, 402, 625	993 59, 444	4, 080 26, 691	93,002 569,499	2, 943, 025 10, 764, 447	50, 271 250, 284	7, 497, 180 17, 124, 120	4, 503, 884 6, 109, 389	902 4, 744	100 740	1 1 2	28	802 3,976	935	1.
$365, 163 \\ 11, 548 \\ 123, 069 \\ 153, 722$	299, 421 6, 006 83, 592 174, 336	2, 764, 916 45, 137 1, 099, 987 616, 779	70, 863 1, 500 61 004	5, 584 34, 280 20, 383	1, 331, 032 3, 452 181, 737 3, 370, 336	15, 520, 700 104, 778 2, 618, 062 4, 787, 107	1, 161, 150 667 46, 810 36, 154	26, 378, 870 401, 293 4, 630, 693 9, 574, 182	9 697,020 385,853 1,965,821 4,750,921	20,550 5 1,062 980	17,387 392 575	2,335	89 80 16	739 590 389	4,726 261 472	24
153, 722 447, 911 841, 760 587, 621 254, 139 48, 288 44, 327 63, 751	174, 336 288, 310 442, 129 296, 818 145, 811 16, 204 18, 173 13, 816	616, 779 4, 297, 878 4, 733, 587 3, 281, 061 1, 452, 526 361, 058 202, 167 239, 497	61,004 20,243 10,300 9,373 927 461 200	20, 251 132 124, 803 115, 607 91, 938 23, 669 6, 140 10, 361 3, 300	$\begin{array}{r} 3,365,915\\ 4,421\\ 2,185,133\\ 440,944\\ 306,276\\ 134,668\\ 103,638\\ 21,808\\ 42,869\end{array}$	4, 779, 364 7, 743 8, 355, 514 3, 403, 054 2, 090, 214 1, 312, 840 384, 756 377, 003 707, 443	35, 866 288 34, 765 146, 266 90, 366 55, 900 8, 388 3, 227 29, 786	$\begin{array}{c} 9,549,199\\24,983\\18,118,556\\11,898,853\\8,031,288\\3,867,505\\1,009,784\\820,912\\1,283,596\end{array}$	$\begin{array}{c} 4,733,969\\ 16,952\\ 9,728,277\\ 8,349,533\\ 5,850,708\\ 2,408,825\\ 616,640\\ 440,682\\ 546,367\end{array}$	947 33 204 3,511 2,033 1,478 632 143 1,372	575 412 12 400 475 120 875		16 105 105 	372 17 204 2,994 2,994 2,994 973 157 23 497	472 1 180 180 170 15	- 28 29 30 31 32 33
$149, 327 \\ 38, 277 \\ 19, 977 \\ 18, 300 \\ 126, 762 \\ 69, 080$	259, 122 5, 756 8, 377 2, 370 200, 665 , 42, 543	268, 709 108, 099 69, 283 38, 816 725, 909 273, 732	8, 311 8, 311 750	735 435 300 6, 333	139, 505 15, 998 12, 167 3, 831 68, 252 147, 294	2, 114, 125 844, 549 458, 869 385, 680 1, 266, 915 848, 214	29, 614 21, 952 9, 302 12, 650 223, 588 15, 852	$\begin{array}{r} 4,091,941\\ 1,238,732\\ 663,689\\ 575,043\\ 3,591,223\\ 1,716,617\end{array}$	$\begin{array}{c} 1,948,202\\ 372,231\\ 195,518\\ 176,713\\ 2,100,720\\ 852,551 \end{array}$	553 1,200 298 902 4,924 1,028	719 142 577 505 475		125		8	
47, 122 21, 058 74, 587 420, 092 100, 027 325, 765 210, 463 90, 612 115, 690 180, 889 2, 999, 310	28, 864 13, 679 207, 503 286, 530 131, 671 154, 859 153, 920 27, 038 94, 912 60, 327 2, 897, 387	$\begin{array}{r} 257,008\\ 16,724\\ 632,798\\ 2,721,006\\ 693,546\\ 2,027,460\\ 1,988,414\\ 614,978\\ 607,934\\ 718,675\\ 24,080,326\end{array}$	750 5,115 207,213 880 8,605 2,661 302,717	1, 880 4, 453 4, 000 24, 003 1, 080 22, 623 600 14, 160 1, 718 259, 387	$144, 343 \\ 2, 951 \\ 151, 189 \\ 562, 264 \\ 131, 094 \\ 431, 170 \\ 587, 044 \\ 31, 533 \\ 138, 320 \\ 184, 070 \\ 9, 624, 723 \\ \end{cases}$	751, 647 96, 567 841, 894 10, 681, 847 7, 159, 891 3, 521, 956 5, 056, 143 811, 107 1, 485, 092 2, 807, 067 41, 450, 118	$15,610 \\ 242 \\ 23,368 \\ 121,623 \\ 36,407 \\ 85,216 \\ 737,305 \\ 25,735 \\ 24,108 \\ 73,991 \\ 6,110,743 \\ \end{array}$	$\begin{array}{c} 1, 484, 799\\ 231, 818\\ 2, 863, 860\\ 17, 065, 225\\ 8, 950, 248\\ 8, 114, 977\\ 10, 651, 181\\ 1, 907, 958\\ 3, 225, 494\\ 4, 571, 704\\ 127, 974, 152 \end{array}$	717, 542 135,009 1,998,598 6,201,755 1,753,950 4,507,805 4,857,733 1,161,116 1,716,294 1,690,646 80,413,291	$\begin{array}{c} 1,004\\ 24\\ 1,057\\ 3,822\\ 1,902\\ 1,920\\ 5,985\\ 1,997\\ 4,414\\ 1,502\\ 46,313\end{array}$	$\begin{array}{r} 475\\690\\1,020\\575\\445\\3,829\\1,270\\8,527\\700\\22,528\end{array}$	150			10	· 43 44 45 46 47 48 49 50 51
thio fron and si fapanning Lead, bar, Linen gooo Lubricatir Malt Mats and grass, an Minerals an wise tree Mirrors, fr	teel, doors pipe, and ds. ng greases. matting, f nd coir. nd earths, ited. amed and	ional and s and shutte sheet rom cocca i ground or o unframed	rs 3 1 1 1 1 1 2 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	Mucilage not els Musical Oleomar substit Ordnano Pens, sto Photogra Photogra Pipes, to Poultry,	a, paste, and ewhore speci- instrumen- matorials	es.and parts other adhes lifed	ives, and and itter 1 2 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 	Printing and Pulp goods Pumps, stea Regalia, an emblems Roofing mati. Rules, ivory Safes Soing Soing Soing Soing Stationery specified Steel barrels,	m and other d society h prials and wood	power. adges an elsewho tanks.	1 5 nd 1 4 2 1 2 2 4 1 5 7 8 5 1	Textile Typewi Umbrei Washim Washim Waste Watchc Windm Wire Wood p	ders, gar n goods machinery iters and s g machiners ases ills reserving	and parts upplies les and	clothes	1 2 2 4 1 1 2

⁸ Same number reported for one or more other months.

94669°---22----45

TABLE 36.-DETAILED STATEMENT OF ALL INDUSTRIES

1. C.D.S.				PERS	ons en	GAGED	IN THE I	NDUSTRY.		WAG NEARE	E EARNI ST RFPRI	ERS DEC ESENTA	. 15, O	R MY.	
gran en strijteren Ser	its.			Sala-	Clerk	s, ote.	et tar.	Wage carners	•	4.	16 and	l over.	Unde	ər 16.	.4.5
INDUSTRY AND CITY.	Number of establishmer	Total.	and firm mem- bers.	ried offi- cers, super- in- tend- ents, and man- agers.	Male.	Fe- male.	Aver- age num- ber.	Number, 17 Maximum month,	ith day of— Minimum month.	Total.	Male.	Fe- male.	Male	Te- male	Capita

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

															
1	DETROIT—All industries2	2, 176	198, 144	1,489	7, 709	13,377	8, 553	167, 016	No185, 910	Mh151,248	183, 990	160, 796	22, 724	414 62	Dollars. 788, 329, 200
2 3 4 5 6 7 8 9 10 11	Artificial limbs. Artificial stone products. Automobile bodies and parts. Automobiles. Automobiles. Automobiles. Automobiles. Botis and spoes. Boots and shoes. Boxes, cigar. Boxes, paper and other, not else- where specified.	6 13 110 20 25 10 9 4 4 8	20 129 36, 395 37, 694 308 214 217 183 228 331	5 17 54 2 24 7 5 3 1 5	2 10 911 1,070 18 21 17 7 8 20	2 1 1,425 2,805 15 29 8 6 2 8 8 8	1 3 957 1,775 19 10 11 3 3 9	10 98 33,048 32,042 232 141 170 164 214 289	Jy ⁸ 11 Oc 135 Oc 38,780 Oc 37,599 Oc 300 Jy 189 Dc 205 Oc 169 Be 241 Jy ³ 303	Ja ³ 7 Ja ³ 8 Ja ²⁶ ,049 14 Ja ²⁶ ,290 Fe Fe 171 Fe 94 Ja ¹⁵⁷ 157 Ja ¹⁵⁵ Ja ¹⁸⁰ Sa ²⁰¹ 155	$\begin{array}{r} 12\\ 126\\ 37,760\\ 35,338\\ 209\\ 133\\ 205\\ 164\\ 223\\ 266\end{array}$	$\begin{array}{c} 11\\ 126\\ 36, 104\\ 33, 863\\ 298\\ 74\\ 55\\ 104\\ 58\\ 95\\ \end{array}$	$1 \\ 1,505 \\ 1,304 \\ 1 \\ 59 \\ 150 \\ 60 \\ 102 \\ 166 \\ 106 \\ $	31 171 	$\begin{array}{r} 28,566\\ 338,212\\ 120,028,578\\ 172,000,788\\ 251,140\\ 431,176\\ 204,002\\ 362,007\\ 148,885\\ 529,804 \end{array}$
12	Boxes, wooden packing, except eigar	11	518	7	27	6	10	468	No 543	My 405	. 530	515		15	1,500,652
13 14 15 16 17 18 19 20 21 22 23	Brass, bronze, and copper products Bread and other bakery products Brick, building Butter Carpets, rng Carriages and sleds, children's Chemicals	$50 \\ 284 \\ 4 \\ 10 \\ 3 \\ 3 \\ 10 \\ 10$	9,686 3,573 125 309 4 5 2,263	14 316 1 4 3	300 114 9 31 148	474 589 1 38 295	234 216 3 40 112	8,664 2,338 112 199 2 1,708	Se 10,422 No 2,487 Se 154 Je 247 (4) 2 Ja 2,214	Ap 7,701 Fe 2,111 Ja 8 88 Fe 155 (4) 2 Je 1,497 Ja 8 11	9,228 2,598 131 186 2 1,679	8,512 2,000 131 130 2 1,638	714 528 40 40	$\begin{array}{c}2\\3\\1\\\ldots\\1\\\ldots\end{array}$	$ \begin{array}{c} 30,600,102\\ 8,544,442\\ 488,227\\ 5,149,536\\ 1,203\\ 11,060\\ 14,961,887\\ \end{array} $
	Carriages and sleds, children's Chemicals. Cleansing and polishing proparations. Clothing, mon's. Clothing, women's Shirt waists and dresses, except house dresses.	11 18 13 6	36 1, 431 465 382	7 17 8 1	10 32 35 30	3 92 15 12	1 80 12 11	15 1,210 395 328	De 22 De 1,405 Ja ³ 352	Mh 1,112 Jo 293	$24 \\ 1,405 \\ 438 \\ 363 \\$	$ \begin{array}{r} 13 \\ 220 \\ 43 \\ 38 \\ 38 \end{array} $	11 1, 180 395 825	2 3	$\begin{array}{r} 30,304\\ 5,134,563\\ 052,822\\ 602,801\end{array}$
24 25 26	All other Coffee, roasting and grinding Coffins, burial cases, and undertak- ers' goods.	7 10 8	$ \begin{array}{r} 82 \\ 113 \\ 138 \end{array} $	6 8 7	5 10 9	3 14 13	20 4	67 61 105	Jy ⁸ 71 Jy 68 Fo 119	Oc ³ 61 My 55 Jo 94	75 63 103	5 30 75	70 33 27	1	50, 021 818, 364 465, 994
27 28 29	Confectionery and ice cream. Copper, tin, and sheet-iron work Electrical machinery, apparatus; and	38 45 29	1,015 487 2,448	44 46 7	43 38 146	48 22 191	39 17 210	841 364 1, 894	No 2,096 Oc 423 Do 2,244	My 1,519 Fo 307 Ap 1,654	1, 030 309 2, 244	423 399 1,344	607 805	2 3	2,023,346 1,025,778 7,359,273
30 31 32 83	Electroplating. Engines, steal, gas, and water Engraving, steel and copper plate, including plate printing. Food preparations, not elsewhere	12 13 6 8	171 7,543 60 69	12 2 8 5	19 224 2	3 534 3 5	4 300 8 4	133 6, 483 44 44	No 158 Ja 8,520 Do 58 My 58	Ja 91 Fe 5,651 Ja 8 39 Mh 8 33	$\begin{array}{r}147\\6,934\\54\\49\end{array}$	144 6,095 44 30	3 239 9	1	177, 595 31, 231, 060 47, 309
34 35 36 37 38 39 40 41	specified. Foundry and machine-shop products Foundries. Machine shops. All other. Fur goods. Furnishing goods, men's, neokwear. Furniture. Wood lurniture, other than rat-	171 20 140 11 17 3 16 12	15,6743,01510,8901,169429421,2851,222	64 3 55 6 17 3 7 3	$ \begin{array}{r} 846 \\ 148 \\ 663 \\ 35 \\ 18 \\ 2 \\ 62 \\ $	737 89 610 38 45 5 32 29	627 37 560 30 39 4 51 48	13,400 3,338 9,002 1,060 310 28 1,133 1,088	No 3,922 No 10,189 Do 1,250 Do 355 Au 32 My 1,142	Ap 2,739 Fe 8,123 Ap 833 Ja 276 De 25 Ja 1,044	14,9343,8799,7961,259340271,1851,117	$\begin{array}{r} 30\\ 13,974\\ 3,769\\ 8,959\\ 1,246\\ 117\\ 5\\ 955\\ 887\end{array}$	$\begin{array}{c} 13\\951\\110\\828\\13\\229\\22\\228\\228\\228\end{array}$		428,010 39,839,344 6,300,335 31,496,732 1,070,277 1,910,609 77,064 3,442,200 3,200,357
42 43	tan and willow. All other Glass, cutting, staining, and orna- menting.	4 9	63 89	4 8	8 10	3 1	3 4	45 66	De 68 No ⁸ 87	Ja 12 Ja 48	68 87	08 84	3.		151, 843 2, 025, 852
44 45 46	Hand stamps. Hardware House-furnishing goods, not eise- where specified	8 15 5	41 1,443 70	10 2 5	5 62 9	8 71 8	53 53 6	18 1, 255 47	Ja ⁸ 20 No 2,627 Ja 71	De 9 De 1,753 My 34	18 1,410 70	16 1,207 36	$\begin{array}{c}2\\209\\34\end{array}$		39, 237 2, 910, 619 128, 459
47 48	steel works or rolling mills. Iron and steel, tempering and weld-	6 13	720 146		30 24	38 6	14 8	638 105	Au 864 No 127	Ja 320 Mh 92	705 108	705 108		•••	3, 443, 231 269, 690
49 50 51 52 53 54	ing. Jewelry. Knit goods. Leather goods, not elsewhere specified Leather, tanned, curried, and finished Liquors, malt. Lumber, planing-mill products, not including planing mills connected with sawmills.	19 8 10 3 9 32	177 275 163 403 648 1,400	22 2 8 	16 21 20 25 59 69	8 6 4 22 00 55	22 10 8 7 20 26	109 236 123 349 504 1,232	De 127 De 204 Ap 143 Se 369 Jy 701 Au 1,403	Já 92 Ap 192 Ja 95 Ap 300 Fe 348 Mh 1,047	126 300 129 301 449 1, 324	$115 \\ 75 \\ 80 \\ 284 \\ 445 \\ 1,311$	49 -		$\begin{array}{r} 478,701\\ 1,009,883\\ 581,175\\ 3,758,407\\ 4,006,553\\ 5,164,142\end{array}$
55 56 57 58	with sawmills. Machine tools. Marble and stone work Monuments and tombstones Other marble and stone work, ex- cept slate.	14 22 8 14	2, 318 279 50 229	2 21 12 9	00 27 2 25	114 20 4 16	93 6 2 4	2, 049 205 30 175	No 2, 176 My 35 No 258	My 1,949 Fe 25 Ja 104	2, 142 232 31 201	1, 945 232 31 201	191	6	9, 997, 264 1, 030, 041 159, 213 870, 828
59	Mattresses and spring beds, not else- where specified.	6	109	6	7	5	G	85	Se 114	Ja 59	100	78	22 .		291, 265
60	Millinery and lace goods, not else- where specified.	7	70	5	4	2	15	44	Se 48	Je 36	42	4	38	····	57, 555
	¹ Includes water wheels and turbines (ir ² Chiefly electric motors operated by rep	respe	ctive of o	wnersh	ip of we	ter sup	ply), ar	nd water	motors (oper	ated by wat	er from e	tv main	s).		haye the state

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

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

	· · ·	Al-Soltara Siteta (1995) A	EXPE	INSES.		, , rena	- 100 - 104 - 	en en en	11 t.			PO'	WER.			
Sala	aries and w	ages.		Rent a	nd taxes.	For ma	terials.				Prin	ary hor	rsepowe	er.		Elec-
Contraction of the second s	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufac- ture,	. dr. (892) Total.	Steam en- gines (not tur- bines).	Own Steam tur- bines.	Inter- nal- com-	Wa- ter pow- er.1	Rent- ed. ²	tric horse- power gener- ated in estab- lish- ments report- ing.
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.			D IN D 22,453		ES.	200, 012	79, 688
4,940 23,876 430,610 158,737 38,394 79,418 44,787 19,034 27,076 71,149	$\begin{array}{c} 31,542,425\\ \hline 4,160\\ 4,585\\ 3,506,406\\ 5,841,750\\ 31,668\\ 66,826\\ 21,148\\ 43,424\\ 5,806\\ 22,475\\ 93,250\\ 22,475\\ 93,250\\ 93,250\\ 94,250$	245,433,882 12,702 156,614 55,650,295 48,441,007 360,356 173,921 134,781 170,908 161,426 221,177	1, 298, 522 61, 972 290 1, 045	3, 292, 484 4, 650 8, 968 185, 253 492, 033 46, 827 19, 983 15, 315 7, 503 4, 057 19, 132 10, 700	54, 797, 732 129 3, 332 6, 117, 625 17, 975, 236 1, 251 73, 430 5, 540 18, 888 3, 325 23, 831 20, 082	639, 055, 795 10, 501 200, 074 95, 672, 059 220, 020, 653 257, 561 756, 292 122, 742 546, 276 152, 893 426, 734 921, 073	734 6,039	1,234,519,842 57,509 526,061 201,455,182 348,772,590 827,985 1,379,577 484,158 932,107 409,544 987,132 1,812,856	578, 606, 379 46, 274 319, 048 103, 744, 480 117, 749, 833 561, 220 618, 681 359, 505 379, 945 251, 602 551, 117 870, 192	308, 250 16 119 52, 920 37, 221 145 87 81 129 146 156 1, 750	82, 379 5, 140 8, 746 80 925	620 40	7 414 40		16 112 46,746 28,395 145 87 81 49 56 156 156	1,991 16,465 70
87, 834 ,502, 318 454, 927 68, 750 95, 425	21,350 1,132,674 1,455,127 4,852 106,001	512, 234 12, 429, 056 3, 120, 705 199, 806 321, 121	16, 404 8, 563 9, 010	19,790 59,030 199,824 1,800 14,753 1,205	30, 983 888, 507 222, 118 25, 909 63, 873	28, 106, 593 13, 121, 250 33, 510 6, 715, 643 1, 955	1,185,737 420,085 92,452 42,443 240 121	49, 239, 768 22, 631, 347 614, 736 7, 777, 022 9, 835	19, 947, 438 9, 089, 412 488, 774 1, 018, 936 7, 640	$ \begin{array}{r} 24,866 \\ 3,258 \\ 480 \\ 1,395 \\ 2 \\ 2 \end{array} $	7,230 145 450	1,000			16,636 3,105 80 1,325 2	811
541, 928 12, 663 245, 453 92, 083 80, 858	544, 587 2, 513 450, 709 44, 389 41, 309	$\begin{array}{c} 2,023\\ 2,755,903\\ 13,637\\ 1,000,451\\ 354,355\\ 297,583\end{array}$	751 22, 360 722 412	14, 753 1, 205 300 20, 638 4, 775 29, 701 15, 559 9, 954	95418,867420109,18433,15732,642	$1,243 \\ 2,361,237 \\ 47,555 \\ 4,390,316 \\ 821,230 \\ 603,711$	$1, 199, 351 \\ 003 \\ 25, 139 \\ 5, 940 \\ 4, 421$	8, 161 11, 355, 383 172, 111 7, 124, 219 1, 559, 372 1, 210, 545	$\begin{array}{c} 6,797\\ 7,794,792\\ 123,953\\ 2,708,764\\ 732,196\\ 602,413\end{array}$	20,339 14 833 96 77	10, 444 750	8,122			1, 773 14 83 96 77	9, 375 370
6,725 39,660 55,353	2,360 33,860 45,680	52, 932 56, 663 123, 351	310 720	4,405 15,800 5,420	467 4,760 50,641	216, 019 1, 685, 136 330, 837	1,525 12,834 5,297	348, 827 2,004, 404 774, 567	129, 783 306, 434 438, 433	19 390 189	54				19 390 135 1,744	
117, 219 87, 843 719, 330	146, 361 53, 755 486, 450	731, 226 548, 165 2, 094, 059	8,060 800	123, 466 26, 620 99, 331	253, 301 23, 379 703, 908	2, 866, 320 856, 991 4, 461, 297	65, 392 8, 276 122, 967	5, 393, 154 2, 043, 402 12, 970, 284	2,461,442 1,178,135 8,386,020	2,021 313 3,084	277		25		313 3, 059 463	
37,677 ,007,985 3,000	7,058 1,276,643 3,748	$188,571 \\10,429,954 \\60,425$	500 300	14, 223 33, 703 5, 610	1,738 1,156,016 8	60, 908 14, 141, 983 26, 303	17,309 336,769 955	426, 434 36, 611, 142 149, 559	348, 217 22, 132, 390 122, 301	489 16,109 14	1,400	50			14, 659 14 37	7, 681 100
$15,080 \\ ,932,965 \\ 643,161 \\ ,139,877 \\ 149,927 \\ 63,390 \\ 7,000 \\ 202,115 \\ 194,141 \\$	$\begin{array}{c} 9,974\\ 1,898,766\\ 167,221\\ 1,600,855\\ 130,690\\ 159,553\\ 9,277\\ 203,072\\ 197,678\end{array}$	48, 245 19, 800, 679 5, 359, 309 12, 650, 495 1, 700, 785 328, 004 22, 290 1, 225, 460 1, 177, 637	65,600 12,000 28,306 25,300 1,000 3,645 3,645	5, 240 272, 092 42, 420 191, 733 38, 833 32, 230 2, 815 12, 044 10, 104	$\begin{array}{c} 7,904\\ 1,923,268\\ 554,774\\ 1,093,589\\ 274,905\\ 40,310\\ 527\\ 144,456\\ 143,072\end{array}$	$\begin{array}{r} 216,660\\ 21,088,054\\ 4,223,388\\ 15,432,144\\ 1,432,522\\ 1,059,576\\ 110,104\\ 1,483,347\\ 1,880,234\end{array}$	$10, 611 \\1, 235, 422 \\564, 781 \\600, 597 \\64, 044 \\3, 955 \\255 \\56, 087 \\53, 797 \\$	374, 536 58, 384, 369 13, 324, 581 40, 708, 491 4, 351, 297 2, 031, 703 201, 085 3, 955, 855 3, 766, 491	147, 265 36, 060, 893 8, 536, 412 24, 660, 750 2, 854, 731 968, 262 90, 726 2, 416, 421 2, 332, 460	$187 \\ 22,956 \\ 6,822 \\ 14,543 \\ 1,591 \\ 46 \\ 6 \\ 1,454 \\ 1,328 \\ 1,328 \\ 1,328 \\ 1,591 \\ 1,454 \\ 1,328 \\ 1,3$	150 4,184 1,344 2,150 690 1,215 1,165	30 30	426 10 416		$18,346 \\ 5,468 \\ 11,977 \\ 901 \\ 46 \\ 6 \\ 209 \\ 133$	1, 735 461 1, 159 115 802 802
7, 974 25, 295		47,823	572	1,940 8,020 5,417	1,384 3,694 351	103, 113 159, 279 43, 429	2,290 3,150 1,571	189, 364 354, 080 133, 170	83,961 191,651 88,170	126 67 23	50				76 67 23	
8,000 220,412 25,390		19,426 1,582,377 41,951	11,106	50,449 6,465	128,637 2,702	43, 429 2, 053, 416 189, 226	57, 871 2, 797	5, 326, 455 343, 017 2, 416, 250	88, 170 3, 215, 168 150, 994 1, 197, 168	1,599 611 2,979	180 450 1,775	150	40		1,379 161 1,054	900
120,087 77,915	61, 272 15, 246	978, 849 163, 661	242	9,400 12,664	53,769 10,928	1, 118, 560 93, 157	100, 522 39, 885	532, 091	199,049	322			. 70		252	70
52, 707 71, 020 78, 406 111, 428 247, 847 280, 306	55, 959 15, 740 16, 562 155, 717 123, 005 126, 320	151, 942 193, 707 90, 409 603, 374 754, 735 1, 754, 346	4,010 	17, 561 27, 810 10, 720 24, 000 27, 449	2,775 55,316 8,729 483,277 511,885 143,800	$\begin{array}{r} 416,620\\608,629\\600,916\\6,164,997\\1,281,422\\5,618,003\end{array}$	1,402 11,040 3,304 47,402 142,156 98,695	937, 784 1, 102, 769 933, 871 8, 624, 215 3, 763, 420 9, 114, 453	519, 762 483, 100 329, 651 2, 411, 816 2, 339, 842 3, 397, 755	72 310 105 1,072 3,905 5,895	220 835 1,785 3,613		42 160		72 96 63 237 2,170 2,122	140 900 180 1, 114
379, 185 75, 880 12, 425 63, 455	32, 715 8, 828 23, 887	2, 894, 785 316, 027 43, 611 272, 416	25,476 11,827 300 11,527	10, 326 600 9, 726	436, 741 12, 918 2, 185 10, 733	2, 556, 309 414, 510 92, 457 322, 053	94,647 19,022 2,841 16,181	8,245,106 1,186,101 244,040 942,061 818,698	5, 594, 150 752, 569 148, 742 603, 827 362, 902	2,547 1,309 95 1,214 185	275 135 135		320 14 14		1,952 1,160 81 1,079 135	
27, 451 11, 909	13, 933 9, 608	120, 615 38, 589	355 2,000	9, 670 8, 133	5, 028 13, 114	449, 275 122, 004	6, 521 414	246, 387	123, 969	10					10	

² Same number reported for one or more other months.

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TABLE 36.-DETAILED STATEMENT OF ALL INDUSTRIES

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					PERS	ONS ENG	AGED	IN THE D	NDUSTRY.			ST REPRI			r.
		ţs.			Sala-	Clerk	s, etc.		Wage earn	ors.		16 and	over.	Under	16.
		establishments		Pro-	ried offi-				Number, 1	5th day of—					Capital.
	INDUSTRY AND CITY.	tablis	Total.	prie- tors and	cers, super- in-	· · · !		Aver-			Total.		Fe-	T	
		5		firm mem- bers.	tend- ents, and	Male.	Fc- male.	age num- ber.	Maximum month.	Minimum month.		Male.	male.	Male m	ale
		Number			man- agers.										
_	CITIES OF 50,000 INHA		NTS OR	MOR	E—AL	L IND	USTRI	ES COM	BINED A	ND SPECIF	IED IN	DUSTRI	LES-C	ontinued	
	DETROIT-Continued.				1										Dollars.
1 2	Mineral and soda waters Models and patterns, not including	28 29	403 792	35 19	32 53	16 15	38 12	282 093	Jy 397 De 864	Ja 194 Ja 574	245 885	242 882	· 2 3	1	1, 837, 898
34	Daper patterns. Oil, vegetable and composite Optical goods	3 4	117 225	i	10 13 59	17 9	3 37	87 165	De 143 Au 178 Oc 536	Ja 31 De 146	96 148	96 94	54		1, 306, 195 451, 608
567	Paints Patent medicines and compounds Patent and proprietary medi-	11 25 18	812 1,739 1,647	2 14 10	59 181 159	213 183 169	119 193 178	419 1,168 1,131	No 1,215	Fe 360 Jy 1,021	$\begin{array}{c} 422 \\ 1,209 \\ 1,167 \end{array}$	386 533 506	84 674 (159	1	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
8	cines. Patent and proprietary com- pounds, not elsewhere speci-	7	92	4	22	14	15	37	No 46	Fe 28	42	27	15	••••	387, 225
9	fied. Perfumery and cosmetics Photo-engraving	15 12	155 221	10 7	18 30	2 22 13	21 18 5 5	104 144	Oc 133 No 157	Ja 66 Ja 116	122 156	41 149	79		2 423, 945 278, 537
10 11 12	Pickles, preserves, and sauces Plumbers' supplies, not elsewhere specified.	12 5	159 110	10 5	20 6	13 7		111 87	Oc 124 De 124	De 98 Ja 49	97 124	52 116	45 8	···· ··	278, 537 466, 736 310, 176
13 14 15	Printing and publishing, book and job Job printing Book publishing without printing	186 171 8	2,958 2,623 172	157 147 3	242 218 10	229 134 94	232 100 63	2,098 1,964 2	De 2,108 (⁸) 2	Ja 1,835 (*) 2 Ap 119	2,227 2,113 2	1,511 1,415 2	697 679		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
16 16 17	Book publishing and printing, linotype work and typesetting. Printing and publishing, newspapers	8 7 70	163 2, 307	7 25	14 177	1 619	9 404	132 1,082	No 149	λp 119	112 1, 181	94 1,109	18 62	10	327, 347 7, 034, 682
18 19	and periodicals. Printing and publishing. Printing, publishing, and job	7 19	1,667	2 5	93 33	498	258 41	816 253	De 896 De 277	Ja 751 Ja 239	801 277	873 220	18 42	0	5, 924, 365 772, 031
19 20 21	printing. Publishing without printing	44 9	248 116	18	51	61 13	105	13 85	My 4 14 De 88	Ja 4 12 Ap 82	13 88	10 78	2 10	1	338, 286 219, 889
22	and meat-packing establishments. Screws, machine	- 15 4	1,391 110	7	67	53 1	52 3	1, 212 99	No 1,347 Mh 127	Ja 1,071 Se 4 81	1, 281 111	1,111	170		5, 287, 072 189, 936
23 24 25 26 27	Signs and advertising novelties.	3	48 91 1,957	18 5	7 2 5 57	2 2 188		41 62 1,622	De 42 Se 72 De 1,983	Mh 4 40 Ja 43 My 1,375	42 68 1,983	4 65 1,683 747	38 3 297		23,609 107,621 1 16,082,329 1 3,147,044
20 27 28 29	Slaughtering and meat packing Stamped ware, not elsewhere specified Statuary and art goods Steam fittings and steam and hot-	15 4 9	1, 197 22 549	1 7	67 	31 12	85 43 1 19	1,055 14 495	Ja 1,223 De 16 Oc 788	Ap 845 Fe 4 12 My 181	984 10 771	747 16 742	236 29	· · · · · · · · · · · · · · · · · · ·	[11,829]
29 30 31	water heating apparatus. Stereotyping and electrotyping Stoves and hot-air furnaces	55	154 2,715	3	14 62	8 204	8 93	121 2,356	De 131 No 2,553	Ja 92	131 2,442	126 2,415	4 19	8	191, 607 9, 859, 350
32 33	Structural ironwork, not made in steel works or rolling mills. Tobacco, cigars and cigarettes	21 73		10 65	79 177	317 47	127 25	2,356 1,457 3,421	De 1,872 No 3.627	Ja 2,098 My 1,101 Je 2,717	2,442 1,872 3,612	1, 840	22 3, 264	1	
34 35	Tools, not elsewhere specified Toys and games.	74 6 7	2,729 22 65	47 10 9	162 3	92 	101	2,327 12 46	No 2,843 Jy 4 11 Jy 4 47	Je 2,717 Fe 1,955 Mh 4 7 Ja 4 44	2,737 28 46	2,030 4 40	106 23 0	1	6,006,985 1 85,748 121,057
36 37	Trunks and valises. Window and door screens and weather strips. Wirework, not elsewhere specified.	6 17	40 890	. 7 13	3 44	5	5 26	20 790	Je 30 Au 978	Fe 14 Jy 477	30 772	30 575	197		178,002 1,696,659 101,337
38 39 40	Wood, turned and carve 1	4 280	65 38, 301	2 137	5 1,416	3, 152	1, 739	54 31, 857	Oc 4 66	Ja 40	64 34, 189	62 27,858	6, 178	$\frac{2}{110}$	101, 337 211, 983, 760
	*All other industrics embrace— ricultural implements		registers				5	Emery aı Enameliı	nd other abra	sive wheels.	3	Gloves a cluding	nd mi	ttens, cl madein	oth, not in- extilemills.
Aľ Ba	minum manufactures	Ceme Chew	nt ing gum	•••••	•••••	•••••	$\begin{array}{c c} 1 \\ 1 \\ 2 \end{array}$	Engravin Engravin Envelope	g and diesing, wood	aking	$ \begin{array}{ccc} $	Gloves ai Gold and ing, no	id mitt silver, t from	ens, leat , reducin the ore .	oth, not in- extilemills. her
i Be	ng bags made in textile mills 4 lting, leather	Cloth Coal-	, spongir tar produ ensed mi	ig and : icts.	refinish	ing		fied Fertilizer	S	olsewherespe	··· 2	Grease and Hat and	id tallo	w, soap	stock
Br Br Br	ooms, from broom corn	Cord	erage ials and f	lavorin	g sirups	1	. 21	Flags and	i banners	iemical	4 2	Hats and and wo Hats, str	caps, o ol aw	ther tha	h felt, straw,
Ca Ca	rd cutting and designing 1 rriages and wagons, including	Cotto Cutle Dair	on goods. ary and over the second sec	edge to	ols men's.a	nd apia		Flavorin Flour-m Foundry	g extracts Ill and gristn supplies	nill product 3.	5 4	Horsesho or rollin Tee, man	es, not ng mill: ufactur	made in S	1 steel works
	rs and general shop construction and repairs by steam-railroad	ris Doni Drug	ts' suppli tal goods ggists' pre	es	ons		1 7 10	Furs, dro Galvaniz	ssed	1res.	$\begin{array}{c} 2 \\ 1 \\ 1 \end{array}$	Ink, prin Ink, writ Instrum	ting ing onts, pr	ofession	l and scien-
Ca	rs, steam-railroad, not including operations of railroad companies 1	Dyei Dyei	ng and sive of th	finishi at done	ng text intext	iles, ex ilemills	- 1	Gas and Gas, illu	water meter: minating an	d heating	1	tific Iron and	steel,	blast fur	naces
	¹ Includes water wheels and turbines ² Chiefly electric motors operated by 1	(irresp rented	octive of (or purcl	owners	snip of current;	water si	ipply), nower in	and wat icluded (er motors (o chiefly shaft	perated by w -belt or trans	ater fron mitted p	a city me ower from	uns). n neigh	boring p	ower plants).

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

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COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPE	NSES.				1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				POW	ER.			
Sala	ries and wa	iges.		Rent ar	id taxes.	For mat	erials.				Prin	ary hors	epowe	er.		Elec-
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufac- ture.	Total.	Steam en- gines (not tur- bines).	Steam tur- bines.	1. inter- nal- com- bus- tion en- gines.	Wa- ter pow- er. ¹	Rent- ed. ²	tric horse- power gener- ated in estab- lish- ments report- ing.
	CITIE	SOF 50,0	00 INHAJ	BITANTS	OR MOR	E-ALL II	NDUSTRI	ES COMBII	NED AND	SPECIF	IED IN	DUSTRI	ES-0	Contin	ued.	
Dollars. 116, 743 212, 916	Dollars. 73, 232 36, 950	Dollars. 406, 130 1, 483, 932	Dollars. 1,000	Dollars. 14, 718 43, 373	Dollars. 146, 453 38, 543	Dollars. 1, 026, 670 296, 172	Dollars. 31, 877 16, 178	Dollars. 2, 384, 184 2, 703, 024	Dollars. 1, 325, 637 2, 390, 674	803 438	40				763 438	- 8
31, 612 28, 440 237, 565 550, 659 464, 507	42, 643 55, 892 407, 107 500, 133 468, 006	81, 422 153, 646 576, 905 1, 021, 230 980, 888 40, 342	1,667 8,876 4,676 4,200	2,678 1,700 28,510 44,910 28,398 16,512	10, 218 3, 408 239, 164 295, 970 283, 298 12, 672	2, 550, 973 322, 255 3, 742, 397 3, 373, 810 2, 890, 212 483, 098	20, 325 4, 851 54, 476 56, 660 53, 228 3; 432	2,819,776 866,904 7,036,782 8,091,447 7,280,137 811,310	248, 478 539, 798 3, 239, 909 4, 661, 477 4, 336, 697 324, 780	321 141 1,826 794 719 75	200 90 675 535 535	· · · · · · · · · · · · · · · · · · ·			121 51 1,151 259 184 75	82 279 840 840
46, 642 87, 002 55, 309 17, 630	32, 127 18, 210 60, 231 37, 978 14, 344	91, 044 270, 990 112, 477 114, 212	+, 200 21, 066	17, 096 21, 216 6, 849 6, 904	25, 685 6, 455 17, 920 7, 013	330, 886 95, 345 477, 494 200, 041	4,688 6,107 8,638 10,600	717, 050 850, 812 892, 635 516, 194	381, 476 749, 360 406, 505 305, 553	125 117 100 219	30 30 125				95 117 70 94	125
769, 897 709, 290 22, 966 37, 641 587, 335	782, 773 353, 591 418, 729 10, 453 1, 495, 641	2,769,607 2,572,516 2,548 194,543 1,783,875	441, 130 310, 865 128, 596 1, 669 363, 137	245, 545 227, 895 8, 508 9, 142 66, 659	188, 521 181, 808 4, 276 2, 437 608, 914	4, 121, 348 4, 033, 006 55, 802 32, 540 4, 945, 757	73, 102 69, 273 424 3, 405 50, 967	11, 430, 857 10, 270, 035 720, 265 440, 557 14, 017, 463	7, 236, 407 6, 167, 756 664, 039 404, 612 9, 020, 739	2,023 1,977 46 2,948			5 5 40		2,018 1,972 46 2,908	
333, 311 88, 049 165, 975 18, 280	1, 169, 110 145, 910 180, 621	1, 358, 841 408, 219 16, 815	379 1,300 861,458	19,885 17,055 29,719	547,712 21,568 39,634	4, 277, 812 469, 250 198, 695	37,140 13,230 597	11, 321, 031 1, 318, 577 1, 377, 855	7,006,079 836,097 1,178,563 362,743	2,466 440 36 320			40		2,466 406 36 311	
18, 280 288, 093 18, 054 2, 500 21, 697 289, 548 230, 342 74, 383	24,704 135,952 4,324 3,700 8,231 341,273 02,985 780 109,311	119,857 1,575,027 147,648 30,228 94,477 2,170,786 1,090,826 19,415 767,442	26,084 7,269 4,850	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3,473 344,448 792 500 1,305 172,595 480,768 44 28,219	1, 313, 923 2, 658, 853 103, 359 115, 295 101, 511 47, 993, 092 3, 414, 629 8, 348 882, 597	$\begin{array}{c} 16,643\\ 82,554\\ 2,576\\ 210\\ 780\\ 178,125\\ 65,670\\ 459\\ 75,317\end{array}$	1,693,309 6,019,583 287,998 176,915 305,208 57,648,125 6,973,264 54,757 1,950,840		2,920 85 7	500 2,615 315	500			$\begin{array}{c} 2,420\\ 85\\ 7\\ 2\\ 1,237\\ 1,160\\ 413\end{array}$	1,259 179
56, 282 390, 236 360, 559	15, 297 487, 701 483, 740	174, 078 3, 499, 130 2, 345, 906	494	13,979 22,879	5,739 325,073 411,050	77,035 2,667,070 7,200,330		535, 989 10, 144, 806 11, 271, 015	3,891,077	205 3,591 2,941 123	2,100	30	80 4		265 1,381 2,937 123	1,502
321, 306 704, 464 5, 300 16, 438	296, 335 6, 684	$\begin{array}{c} 2,820,710\\ 3,838,302\\ 9,034\\ 58,725\\ 38,141 \end{array}$	10, 010 10, 300 200 750	. 2,540 9,200	1, 347, 641 311, 502 3, 135 4, 159	5, 532, 945 2, 322, 691 19, 252 93, 214 90, 816	1,294	$\begin{array}{c} 11,606,301\\ 9,216,733\\ 42,807\\ 202,955\\ 190,227 \end{array}$	6, 788, 508 23, 167 108, 447 98, 414	2,351 5 22 54	100		12		2,239 5 22 ,54	
128, 815 15, 050 5, 282, 328	68, 497 4, 587 7, 028, 604	994, 416 66, 244 45, 019, 210	5, 115 :	2,988	78, 268 3, 358 17, 449, 699	1, 323, 661 24, 524 88, 555, 444	33, 150 2, 567 5, 107, 130	2, 930, 334 199, 032 233, 407, 399	1, 573, 523 171, 941 139, 744, 825	1,104 152 65,877	400 100 24,075		1, 539		704 52 28, 352	3 33, 195
rolling ron and and riv mills ron and Lapannin Lamps an Lead, bai Lithograj Looking- Malt Mirrors, elsewha Motorcyco Mucilage sives, r Musical i	I steel, st mills steel, bolts vots, not steel, doors g nd roflector r, pipe, and phing	, nuts, was nado in ro and shutti S I sheet icture framed I and parti- ro specified s and mate	biling biling	Needles, olcomar stitute Paper ag fied Paving T Pottery. Printing Pumps, Refriger Roofing Rubber goods, Saddler Salt Sand-lin	pins, and h garine and c sods, not naterials and publis materials not includh tors materials tires, tul not elsewh y and harn as brick	, planos ooks and ey other butter polsewhere s shing, music ng power pu bes, and ru ere specified ess.	es 2 sub- 1 peci- 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Soap Sporting and Springs, stee Stationery specified Stean pack Steel barrels Stencils and Stoves, gas Stoves, gas Surgical app Suspenders, woven goo Tinware, no	alances. g, steel, new d refining, 1 1 athlotic goo el, automobi goods, not ing	vessels ot from lo elsewh i tanks nd elas specified.	2 4 the 2 1 ere 1 ere 1 1 3 2 tic 1 4	Typewr. Umbrell Upholst where Varnish Wall floorin Washing Window Window Window Window Wood p Wooden specifi	iters a as and cring speci es plaster g. ma preserv shad reserv gov ed	nd suj 1 cane: mate fied r, an achine: es and ing ods,	pplies. sarials, n d com s and fixtures not e	ot else position clothes isewhere

د الموجد المحكمة المحافظة المراجعة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة الم محافظة المحافظة المحلف المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظ

TABLE 36.-DETAILED STATEMENT OF ALL INDUSTRIES

:				<u></u>	PERS	ONS EN	GAGED	IN THE I	NDUSTRY.		WAG	FE EARN EST REPR	ERS DEC	2. 15, 01	2	
	a star i star i st	4				Clerk	s, etc.		Wage carner	' S. . :		11	l over.	Under	·	
	INDUSTRY AND CITY.	shemnt		Pro- prie-	Sala- ried offi- cers,				Number, 1	5th day of—						Canital.
		Number of establishemnts.	Total.	tors and firm mem- bers.	super- in- tend-	Malo.	Fe- male.	Aver- age num- ber.	Maximum month.	Minimum month.	Total.	' Male.	Fe- male.		Fe- nale	
	CITIES OF 50,000 INH.	ABITA	ANTS O	R MO	RE-A	LL INI	DUSTR	IES CO	MBINED A	ND SPECI	FIED IN	DUSTR	IES-C	ontinu	od.	
1	FLINT—All industries	107	28, 575	95	1,065	1,650	1,162	24, 603	De 29,414	Ja 18,356	29,411	27,021	2,380	10		Dollars. 124, 142, 377
2 3 4 5 6 7 8 9	Artificial stone products Automobile bodies and parks Bread and other bakery products Confectionery and ice oream Copper, tin, and sheet-iron work Foundry and machine-shop products. Lumber, planing-mill products, not including planing mills connected with sawmills.	5 3 4 20 6 5 5 3	$19\\1,218\\29\\285\\54\\26\\521\\93$	$\begin{array}{c} 6\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	$38 \\ 1 \\ 12 \\ 2 \\ 18 \\ 14$	$ \begin{array}{c} 1, \\ 61 \\ 1, \\ 60 \\ 1 \\ 2 \\ 33 \\ 4 \end{array} $	25 1 22 2 1 27 3	$\begin{array}{c} 12\\ 1,094\\ 22\\ 170\\ 40\\ 18\\ 441\\ 72\\ \end{array}$	Jy ³ 16 Se 1,357 Se ³ 24 Au 198 Jy ³ 48 Se 23 Jy 523 My 76	Ja ³ 7 Ja 827 Ja ² 20 Fe 152 Ja ² 36 Ap 14 Ja 328 Ap 67	$ \begin{array}{r} 13 \\ 1,215 \\ 25 \\ 178 \\ 38 \\ 21 \\ 448 \\ 70 \\ \end{array} $	13 1,203 24 153 23 21 297 70	12 1 24 15 151	····i		$\begin{array}{r} 47,510\\ 3,433,227\\ 18,805\\ 679,649\\ 55,184\\ 54,768\\ 906,796\\ 251,043\\ \end{array}$
10 11 12 13	Mineral and carbonated waters Printing, job Tobacco, cigars	3 9 7 37	20 103 67 26,140	$7 \\ 6 \\ 10 \\ 25$	1 11 1 967	1 2 1 1,483	6 1,075	$11 \\ 78 \\ 55 \\ 22,590$	Au 19 Jy 93 Do 78	Ja 5 Ap 60 Je 43	8 83 75 27, 237	8 47 19 25,143	35 56 2,086	· 1. · 8		33, 992 249, 750 59, 453 118,352,110
Bla	*All other industrics embrace— 4 tomobiles	Butter	ns, from l ge and w ng, men's oplating.		atorials		1 1	and sup flour-mil	plies and gristm	y, apparatu ill products. l heating	. 3 I	ce, manu ron and steel wo	factured steel, fo rks or r	1. rgings, olling 1	not nills	1 mado in 1
1 2	GRAND RAPIDS. All industries. Artificial stone products	611	27,927	452	1,242	1, 641	1,014	23, 548	De 20,918	Ja 20,724 Ja ⁸ 4	27, 431	22,146	4,928	214	143	80, 670, 385
1345 678 90 11 12	Automobiles. Automobiles. Automobiles. Bookbinding and blank-book making. Brass and bronze products. Bread and other bakery products. Cleansing and polishing proparations. Clothing, men's.	19 3 8 4 4 74 5 3 3	1,203 181 202 86 380 787 99 3 38	12 11 4 84 1 2 2 2	76 20 14 6 20 9 5 1 3	42 7 18 20 68 14 2	$ \begin{array}{r} $	1,089 143 150 73 316 588 57 30	No 1,447 Do 180 Jy 191 De 92 No 392 No 652 Jy 77 Ja ⁸ 32	My 705 So 128 Ja 106 My 60 Je 245 Je ³ 559 No 44 	6 1,434 180 131 92 383 633 47 81	1, 363 177 128 45 321 363 37 12	19	3	4	$\begin{array}{c} 83,472\\ 3,836,494\\ 915,494\\ 473,540\\ 121,848\\ 825,506\\ 1,707,637\\ 541,665\\ 10,609\\ 67,655\\ \end{array}$
13 14	Clothing, women's Coffins, burial cases, and undertakers' goods. Confectionery and ice cream	4 6 23	68 120 370	$\frac{2}{4}$ 25	4 6 10	4 22 38	10 10	52 78 287	Au 84 De 87	Ja 25 Ap ³ 72	70 87 298	2 61	26	•••••	1	113, 845 498, 645
15 16 17 18 19 20 21 22 23	Confectionary Lee cream Copper, tin, and sheet-iron work Electroplating Flour-mill and gristmill products Foundry and machine-shop products Foundries Machine shops Boiler shops and machine shop and foundry combined	23 13 10 7 3 9 41 7 30 4	311 59 00 26 201 1,430 450 832 148	$ \begin{array}{c} 23 \\ 14 \\ 11 \\ 5 \\ 1 \\ 10 \\ 27 \\ 3 \\ 22 \\ 2 \\ 2 \end{array} $	7 3 8 3 19 75 14 53 8	$ \begin{array}{r} 33 \\ 5 \\ 2 \\ 1 \\ 29 \\ 60 \\ 18 \\ 44 \\ 4 \end{array} $	10 7 3 1 19 52 8 45 4	$\begin{array}{c} 237\\ 250\\ 37\\ 44\\ 21\\ 124\\ 1,210\\ 412\\ 608\\ 130\\ \end{array}$	Oc 290 Jy 71 Jy 58 No 29 Au 133 Dc 518 Dc 821 Dc 148	Jy 199 Ja ⁸ 20 Ja 26 Je ³ 15 Mh 112 Ap 340 Ja 508 Mh 116	$298 \\ 249 \\ 49 \\ 52 \\ 28 \\ 123 \\ 1,491 \\ 522 \\ 821 \\ 148 \\$	$143 \\ 102 \\ 41 \\ 50 \\ 24 \\ 122 \\ 1,438 \\ 487 \\ 803 \\ 148 \\ 148 \\ 148 \\ 148 \\ 148 \\ 102 \\$	5 2 4 1 53 35	3	1	$\begin{array}{c} 1, 141, 360 \\ 808, 842 \\ 242, 518 \\ 146, 244 \\ 17, 300 \\ 1, 737, 967 \\ 3, 494, 018 \\ 1, 158, 628 \\ 2, 131, 906 \\ 202, 484 \end{array}$
24 25 26	Furniture Wood, other than rattan and willow. Rattan and willow, and metal	71 58 4	10, 444 8, 731 281	37 34 2	359 306 19	427 239 5	249 185 9	0,372 7,967	Do 9,416	Ja 6,650	11,086 9,396	9,910 8,374	1,122 977	47 40	75	27, 452, 997 22, 546, 800
27 28 29 30 31 32	furniture. Store and office fixtures Hardware Knit goods Leather, tanned, curried, and finished Liquors, malt Lumber, planing-mill products, not including planing mills connected with sawmills	9 9 4 4 3 7	281 1,432 818 597 230 105 431	1 7 6	19 34 19 15 13 8 21	3 183 32 31 7 19 19	55 32 25 2 1 20	246 1, 159 728 526 208 77 365	De 333 De 1,356 De 061 No 622 Fe 230 Jy 120 De 403	Ja 175 Ja 940 Fo 522 Jo 455 De 179 De ⁸ 53 Ja 300	$\begin{array}{r} 333\\ 1,357\\ 941\\ 615\\ 216\\ 53\\ 352 \end{array}$	$262 \\ 1,274 \\ 004 \\ 124 \\ 211 \\ 53 \\ 317$	67 78 318 487 5 20		2	454, 430 4, 451, 767 1, 901, 508 2, 200, 461 932, 300 729, 775 1, 766, 094
33 34 35 36 37	Marble and stone work, monuments and tombstones. Mineral and carbonated waters Patent medicines and compounds, Patent and proprietary medicines Patent and proprietary com- pounds, not elsewhere speci- fied.	6 7 13 10 3	46 .30 .70 .59 .11	8 5. 10 8 2	1 3 7 5 2	7 3 3	2 2 1 1	28 20 49 45 4	Je ³ 30 Jy 33 De 55 Je ⁸ 9	Ja 19 Ja 11 Au ⁸ 38 Ja 6	30 15 03 55 8	30 15 7 3 4	50 52 4			115, 601 76, 083 123, 139 36, 683 86, 456
38 39	Phonographs and graphophones Printing and publishing, book and	4 54	182 667	$\begin{array}{c}1\\45\end{array}$	19 59	29 52	25 54	108 457	De 216.	Ja 27	268 505	206 373	62 119	13		1, 144, 819 1, 372, 523
40 41 42	Job printing Book publishing without printing Book publishing and printing, and linotype work and type- setting.		607 35 25	37 3 5	56 2 1	33 19	40 11 3	441 16	Oc ³ 473 De ³ 17	Ja ^{.,.,} '409 Ja ^{. g} 14	488 17	356 17		13		1, 285, 515 26, 830 60, 178

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

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

		di on se di Generationes		ENSES.		an an an an		1999 - El 1999 -	-:							·
Sala	ries and w	ages.	14.40	Rent aı	nd taxes,	For mat	erials.	e generation de la composition de la co			Prim	ary hor	sepow	er.		Elec-
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal matorials.	Fuel and rent of power.	Value of products.	Value added by manufac- ture	Total.	Steam en- gines (not tur-	Owne Steam tur- bines.	Inter nal- com- bus- tion	Wa- ter pow- er,1	Rent- ed. ²	tric horse- power gener- ated in estab- lish- ments report-
	CITIE	S OF 50,0	0 INHAI			E-ALL IN	IDUSTRII	ES COMBIN	ED AND S	SPECIFI	bines).	USTR	en- gines. IES(ued.	ing.
Dollars. 829, 557	Dollars. 3, 403, 437	Dollars. 38, 092, 615	Dollars. 18, 111	Dollars. 190, 352	Dollars. 12, 134, 492	Dollars. 170, 650, 052	Dollars. 2, 173, 712	Dollars. 275, 779, 638	Dollars. 102, 955, 874	33, 610	2, 198	2, 150	127	100	29, 035	1,625
122, 818 2, 600 30, 590 6, 800 59, 010 14, 617	$\begin{array}{c} 1,200\\ 87,114\\ 1,816\\ 45,213\\ 3,405\\ 9,385\\ 62,934\\ 3,405\end{array}$	$\begin{array}{r} 15,390\\ 1,357,508\\ 39,866\\ 195,652\\ 36,034\\ 26,716\\ 503,084\\ 91,208\end{array}$	3,472	1, 684 2, 015 12, 810 9, 700 1, 730 10, 136	$516 \\ 111,840 \\ 266 \\ 22,336 \\ 1,331 \\ 6,759 \\ 51,379 \\ 6,518 \\ \end{array}$	$\begin{array}{c} 26,303\\ 5,792,502\\ 76,600\\ 1,013,978\\ 203,719\\ 45,306\\ 1,093,704\\ 337,705\end{array}$	$\begin{array}{c} 2,606\\ 62,619\\ 1,612\\ 21,889\\ 4,585\\ 362\\ 22,936\\ 8,010\\ \end{array}$	$\begin{array}{r} 82,731\\ 8,537,634\\ 142,688\\ 1,621,915\\ 383,488\\ 115,721\\ 2,148,759\\ 484,834 \end{array}$	53, 822 2, 682, 513 64, 476 586, 048 175, 184 70, 053 1, 032, 119 139, 119	$\begin{array}{r} 37\\ 2,354\\ 47\\ 147\\ 27\\ 9\\ 338\\ 475\\ \end{array}$	15 500 120				1,854 47, 147, 27 9 338 355	200
1, 663 33, 718 1, 300 2, 556, 441	779 10, 885 1, 000 3, 176, 301	12, 286 86, 714 100, 098 35, 627, 159	14.392	910 12, 294 2, 415 136, 650	394 2, 318 17, 656 11, 913, 119	49, 295 134, 245 80, 475 161, 796, 220	1, 152 4, 556 490 2, 042, 895	103,099363,703173,701261,621,365	52, 652 224, 902 92, 736 97, 782, 250	13 90 1 30, 072	1, 563	2, 150	5 100	100	13 85 1 26, 159	 1, 425
farble and	d stone wo	rk, monun g beds, not	ients l else	Paints Patent m Printing	iedicines an and pul	d compound blishing, n icals.	is2 ews-	Sand-lime br. Sausage, not and meat-p	ick made in s packing esta hine	nusnmen	ng ts. 2	Slaught Springs Varnisl	tering (s, steel, hes	and mo , autor	eat pack nobile	ing
and ton fattresses where s	pecified		1)	papers	and period	1		1	1	-16		· .			1.	· · · · · · · · · · · · · · · · · · ·
1, 556, 267	4, 184, 220	26, 170, 377	1, 228, 015	446, 774	3, 503, 391	49, 213, 898	1,947,863	109, 135, 055	57, 973, 294	44,048	22, 578	3, 053	679	922	16, 816	
100 271, 154	4, 184, 220 75 01, 541	26, 170, 377 7, 580 1, 544, 058 206, 125 156, 446 65, 623 320, 001 441, 740 69, 558	1, 228, 015 600 1, 040 12, 662 	446, 774 500 35, 683 8, 009 2, 200 8, 112 19, 422 3, 452 3, 452 180	3, 503, 391 89 358, 468 16, 491 6, 712 1, 976 13, 063 29, 382 11, 026	49, 218, 898 11, 557 2, 608, 235 560, 819 610, 484 83, 476 309, 526	1, 947, 863 824 62, 980 9, 652 5, 040 1, 618 22, 309	109, 135, 055 29, 782 5, 650, 674 1, 254, 478 1, 038, 425 266, 566 910, 555 3, 605, 027	57, 973, 294 17, 401 2, 985, 459	44,048	22,578	3, 053	2 1 200 10	922	16, 816 830 176 132 278 34 24 284	210 1
100 271, 154	4, 184, 220 75 01, 541	26, 170, 377 7, 580 1, 544, 058 200, 125 166, 446 05, 623 320, 001 441, 740 69, 558 	1, 228, 015 600 1, 040 12, 662 	446, 774 500 35, 683 8, 009 2, 200 8, 112 19, 422 3, 452 180 4, 386	3, 503, 391 89 358, 468 16, 491 6, 712 1, 976 13, 063 29, 382	49, 213, 898 11, 557 2, 608, 235 560, 819	1, 947, 863 824 02, 980 9, 652 5, 640 1, 618 22, 309 54, 530 11, 284 9 2, 119 484	109, 135, 055 29, 782 5, 656, 074 1, 254, 478 1, 038, 425 206, 566 901, 555 3, 605, 027 1, 647, 484 7, 200 227, 142 190, 017 537, 458	57, 973, 294 17, 401 2, 985, 459 675, 007 422, 901 181, 472 585, 720 1, 377, 038 8, 247 4, 035 111, 287 100, 686 255, 381	44, 048 7 1, 910 191 133 33 478 424 234 	22, 578	3, 053	2 1 200 10	922	16, 816 . 5 . 830 . 176 . 122 . 33 . 278 . 344 . 234 . 18 . 14 . 238	210
4, 556, 267 100 211, 154 51, 067 30, 640 34, 680 62, 231 24, 910 15, 635 1, 300 6, 800 12, 765 38, 638 67, 104 61, 723 5, 381 15, 860 4, 940 73, 013	$\begin{array}{r} 4, 184, 220\\ \hline 75\\ 01, 541\\ 17, 573\\ 35, 383\\ 2, 506\\ 40, 438\\ 160, 535\\ 48, 186\\ 48, 186\\ 48, 186\\ 48, 186\\ 100, 535\\ 48, 180\\ 4, 203\\ 100, 535\\ 100$	26, 170, 377 7, 580 1, 544, 058 200, 125 166, 446 65, 623 320, 061 441, 740 69, 558 	1, 228, 015 600 1, 040 12, 662 42 1, 40 279 100	446,774 500 35,683 8,009 2,200 8,112 19,422 3,452 180 4,886 2,876 2,290 -23,007 -23,307 -3,210 -1,788 4,237 -27,200 -2,200	3, 503, 391 80 358, 408 16, 491 6, 712 1, 976 13, 063 29, 382 11, 026 1, 252 3, 137 18, 466 219, 305 217, 785 1, 610 1, 184 209	49, 213, 808 11, 557 2, 608, 235 560, 819 610, 484 83, 476 302, 526 2, 173, 459 1, 422, 763 2, 256 11, 3, 786 83, 747 274, 902 1, 266, 838 910, 523 356, 315 117, 638 6, 131	$\begin{bmatrix} 1, 947, 863 \\ 824 \\ 62, 980 \\ 9, 652 \\ 5, 040 \\ 1, 618 \\ 22, 309 \\ 54, 530 \\ 11, 284 \\ 9 \\ 2, 119 \\ 484 \\ 7, 115 \\ 18, 649 \\ 11, 390 \\ 7, 259 \\ 1, 599 \\ 3, 554 \\ 30, 420 \\ 156, 723 \end{bmatrix}$	109, 135, 055 20, 782 5, 656, 674 1, 254, 478 1, 038, 425 206, 656 9, 005, 502 1, 647, 484 7, 200 227, 142 190, 917 537, 458 2, 344, 979 1, 847, 050 497, 029 248, 122 248, 122 248, 122 49, 805 5, 453, 586	57, 973, 294 17, 401 2, 985, 459 675, 007 422, 901 181, 472 585, 720 1, 377, 038 213, 447 4, 035 111, 287 106, 686 255, 381 1, 059, 402 926, 037 133, 455 128, 885 40, 180 501, 181 2, 310, 724	44,048 7 1,040 191 33 478 424 234 234 238 424 238 424 238 244 238 244 238 246 204 222 366 53 1,037 2,569	22, 578 1, 110 15 70 185 850 675	3, 053		922 	16, 816 5 830 1322 278 334 228 238 14 228 238 241 19 222 238 241 19 222 238 241 19 222 241 19 222 241 19 222 241 19 222 241 222 241 222 241 222 241 224 241 224 241 224 241 244 244	210 2256 256 256 256 256 256 256
4,556,267 100 271,154 51,067 30,640 34,680 62,231 15,035 1,300 6,800 12,765 38,038 67,104 61,723 5,381 15,860 4,940	$\begin{array}{r} 4, 184, 220\\ 75\\ 01, 541\\ 17, 573\\ 35, 383\\ 2, 506\\ 40, 438\\ 160, 535\\ 48, 180\\ 4, 203\\ 160, 535\\ 48, 180\\ 4, 203\\ 160, 535\\ 160, 535\\ 100,$	26, 170, 377 7, 580 1, 544, 058 200, 125 156, 446 05, 623 320, 001 441, 740 69, 558 	1, 228, 015 600 1, 040 12, 662 42 1,940 279 100 4, 062 4, 002	446, 774 500 35, 683 8, 009 2, 200 4, 386 2, 876 2, 200 1, 889 1, 278 3, 212 3, 422 3, 422 3, 607 2, 200 1, 889 1, 278 4, 383 2, 375 2, 200 1, 889 1, 288 1, 288 2, 200 1, 889 1, 288 1, 288	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	49, 213, 808 11, 557 2, 608, 235 560, 819 610, 484 83, 476 302, 526 2, 173, 459 1, 422, 763 2, 256 11, 3, 786 83, 747 274, 902 1, 266, 838 910, 523 356, 315 117, 638 6, 131	1,947,863 824 62,980 9,652 5,040 1,618 22,309 2,119 484 7,115 18,649 11,390 11,390 11,390 1,599 3,554 30,420 155,723 100,919	109, 135, 055 20, 782 5, 656, 674 1, 254, 478 1, 038, 425 2, 665, 666 910, 555 3, 605, 027 1, 647, 484 7, 200 0, 227, 142 100, 917 537, 458 2, 344, 979 1, 847, 950 407, 029 248, 122 49, 805 5, 453, 586 3, 957, 657 1, 479, 688 2, 170, 741 337, 228	$\begin{array}{c} 57, 973, 294\\ 17, 401\\ 2, 985, 459\\ 675, 007\\ 422, 901\\ 181, 472\\ 585, 7203\\ 1, 377, 203\\ 1, 377, 203\\ 1, 473\\ 4, 935\\ 213, 447\\ 1, 935, 381\\ 1, 055, 492\\ 926, 937\\ 133, 455\\ 125, 883\\ 40, 180\\ 501, 181\\ 2, 310, 724\\ 4, 907, 497\\ 1, 180, 245\\ 222, 982\\ \end{array}$	44,048 7 1,940 133 33 428 424 234 234 234 24 24 204 204 204 202 236 53 1,037 7313 1,516 322	22,578 1,110 15 70 185 185 185 850 675 360 240 75	3, 053		922 	16, 816 5 830 176 132 278 334 228 148 148 238 241 1, 722 1, 722	210 1 256 256 256 256 345 254 115 136
4, 556, 267 100 211, 154 51, 067 30, 640 34, 680 62, 231 24, 910 6, 800 12, 765 38, 038 67, 104 61, 723 5, 581 15, 360 4, 940 73, 013 226, 218 63, 550	$\begin{array}{c} 4, 184, 220\\ \hline 75\\ 0, 541\\ 17, 573\\ 35, 383\\ 2, 506\\ 40, 438\\ 160, 535\\ 48, 186\\ 780\\ 4, 203\\ 19, 742\\ 70, 085\\ 111, 219\\ 103, 554\\ 1, 435\\ 64, 340\\ 121, 375\\ 20, 400\\ 121, 375\\ 20, 400\\ 84, 732\\ 7, 174\\ 1, 516, 708\\ \end{array}$	26, 170, 377 7, 580 1, 544, 058 206, 125 156, 446 05, 623 320, 001 441, 740 69, 558 	1,228,015 600 1,040 12,662 42 1,040 279 1,00 4,062 4,062 54,599	446, 774 500 35, 683 8, 009 2, 500 8, 112 19, 422 3, 452 4, 886 2, 876 2, 290 23, 007 23, 007 23, 210 1, 827 3, 5496 34, 532 65, 002 65, 002	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{r} 49,213,898\\ 11,557\\ 2,608,235\\ 560,819\\ 610,484\\ 83,476\\ 302,526\\ 2,173,459\\ 1,422,753\\ 2,266\\ 113,746\\ 83,747\\ 274,962\\ 11,266,838\\ 910,523\\ 356,315\\ 117,638\\ 6,131\\ 4,021,985\\ 1,520,210\\ 471,272\\ 9914\\ 4,520\\ 104,520\\ 104,520\\ 13,562,587\\ \end{array}$	$\begin{bmatrix} 1,947,863\\ 824\\ 62,980\\ 9,652\\ 5,040\\ 9,652\\ 5,040\\ 1,618\\ 22,309\\ 54,530\\ 111,284\\ 9\\ 9\\ 2,119\\ 484\\ 7,115\\ 18,649\\ 11,390\\ 7,259\\ 1,590\\ 3,554\\ 30,420\\ 156,723\\ 100,919\\ 46,087\\ 9,717\\ 320,303\\ 251,555\\ \end{bmatrix}$	109, 135, 055 20, 782 5, 656, 674 1, 251, 478 1, 038, 425 266, 566 910, 555 3, 006, 027 1, 647, 484 7, 200 227, 142 190, 917 537, 458 2, 344, 970 1, 847, 950 248, 122 49, 865 5, 453, 586 3, 987, 657 1, 479, 688 2, 37, 477, 051 3, 977, 674 1, 337, 228 34, 962, 294 28, 400, 720	57, 973, 294 17, 401 2, 985, 459 675, 007 422, 901 181, 472 585, 720 1, 377, 720 1, 375, 720 920, 037 1, 33, 455 1, 125, 885 40, 180 501, 181 2, 310, 724 907, 497 1, 180, 245 222, 982 21, 079, 404 17, 255, 332	44,048 7 1,940 181 133 478 424 234 234 234 234 234 236 204 222 36 204 222 36 53 1,937 2,569 731 1,516 322 11,815 9,615	22, 578 i, 110 15 70 1855 1855 1855 850 675 300 240 76 9, 057 7, 722	3, 053	2 200 10 	922	$\begin{array}{c} 16,816\\ \cdot & 5\\ \cdot & 830\\ \cdot & 132\\ \cdot & 33\\ \cdot & 344\\ \cdot & 238\\ \cdot & 14\\ \cdot & 238\\ \cdot & 14\\ \cdot & 238\\ \cdot & 241\\ \cdot & 16\\ \cdot & 241\\ \cdot & 346\\ \cdot & 241\\ \cdot & 241\\ \cdot & 241\\ \cdot & 242\\ \cdot & 346\\ \cdot & 241\\ \cdot & 241\\ \cdot & 242\\ \cdot & 346\\ \cdot & 241\\ \cdot & 242\\ \cdot & 346\\ \cdot & 242\\ \cdot &$	2100 11 2266 2566 256 345 254 115 136 33 1,5911 831
4, 556, 267 100 271, 154 51, 067 39, 640 34, 680 62, 231 24, 910 15, 635 1, 300 12, 765 38, 038 67, 104 61, 723 5, 381 16, 360 4, 940 73, 013 226, 218 63, 950 134, 046 28, 9222 1, 603, 827 1, 603, 827 1	$\begin{array}{c} 4, 184, 220\\ \hline 75\\ 0, 541\\ 17, 573\\ 35, 383\\ 2, 506\\ 40, 438\\ 160, 535\\ 48, 186\\ 780\\ 4, 203\\ 19, 742\\ 70, 085\\ 111, 219\\ 103, 554\\ 64, 340\\ 121, 375\\ 5, 224\\ 1, 435\\ 64, 340\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 20, 400\\ 121, 375\\ 1, 516, 708\\ 707, 524\\ 11, 870\\ 20, 707, 395\\ 36, 440\\ 25, 400\\ 25, $	26, 170, 377 7, 580 1, 544, 058 200, 125 156, 446 05, 623 320, 001 441, 740 69, 558 	1, 228, 015 600 1, 040 12, 662 42 1, 40 279 100 4, 062 4, 062 4, 062 141, 341 	446, 774 500 35, 583 8, 009 2, 200 8, 112 19, 422 3, 452 19, 422 3, 452 2, 576 2, 307 220, 307 23, 007 23, 007 23, 007 23, 007 3, 210 1, 889 1, 278 37, 303 37, 5406 34, 522 65, 002 60, 694 4, 308 90 2, 2, 001 1, 270 1, 270 1	3, 503, 391 89 358, 468 16, 491 6, 712 1, 976 13, 063 20, 382 11, 026 1, 252 3, 137 13, 406 210, 305 217, 785 1, 610 33, 943 92, 419 31, 542 43, 851 17, 026 960, 766 837, 770 7, 385 124, 551	$\begin{array}{r} 49, 213, 898\\ 11, 557\\ 2, 608, 235\\ 569, 819\\ 610, 484\\ 83, 476\\ 302, 526\\ 2, 173, 459\\ 1, 422, 783\\ 2, 266\\ 113, 736\\ 83, 747\\ 274, 962\\ 356, 315\\ 1, 726, 496\\ 113, 736\\ 83, 747\\ 274, 962\\ 356, 315\\ 1, 726, 200\\ 1, 266, 888\\ 910, 523\\ 356, 315\\ 1, 726, 200\\ 1, 266, 888\\ 910, 523\\ 356, 315\\ 1, 726, 200\\ 1, 266, 888\\ 10, 523\\ 344, 540\\ 1, 254, 394\\ 910, 485\\ 324, 214\\ 826, 066\\ 1, 254, 394\\ 910, 806\\ 1, 254, 394\\ 910, 806\\ 1, 254, 394\\ 910, 806\\ 1, 254, 394\\ 910, 806\\ 1, 254, 394\\ 910, 806\\ 1, 254, 394\\ 107, 800\\ 1, 806\\ 1$		109, 135, 055 20, 782 5, 656, 674 1, 254, 478 1, 038, 425 2, 665, 666 910, 555 3, 605, 027 1, 647, 484 7, 200 227, 142 100, 917 537, 458 2, 344, 979 2, 345, 122 49, 865 5, 4553, 586 3, 957, 587 1, 479, 588 2, 170, 741 337, 228 34, 962, 294 25, 400, 720 894, 654 1, 885, 537 488, 563	57, 973, 294 17, 401 2, 985, 459 675, 007 422, 901 181, 472 585, 720 1, 377, 203 1, 377, 203 1, 447 4, 035 111, 287 1, 065, 462 920, 037 133, 455 128, 885 40, 180 501, 180 503, 180 503, 180 503, 180 504, 1	44,048 7 1,940 181 133 478 424 234 	22, 578 1, 110 15 165 185 185 185 185 185 185 185 185 185 185 185 185 185 185 185 185 185 185 	3, 053		022 022 023 025 025 025 147 147 755	16, 816 5 830 176 132 278 334 228 148 148 238 241 1, 722 1, 722	210 1 256 256 256 256 345 136 3 3 1,591 831 ,591 831 ,501
$\begin{array}{c} 1,556,267\\ \hline 100\\ 271,154\\ 30,640\\ 34,680\\ 62,231\\ 24,910\\ 65,635\\ 1,300\\ 6,800\\ 12,765\\ 38,638\\ 67,104\\ 61,723\\ 5,381\\ 63,800\\ 4,940\\ 73,013\\ 226,218\\ 63,950\\ 134,046\\ 28,222\\ 1,603,827\\ 1,340,005\\ 62,140\\ 201,622\\ 88,784\\ 68,784\\ 68,160\\ 76,948\\ 26,225\\ 1,402\\ 1,402\\ 1,522\\ 1,402\\ 1,522\\ 1,532$	$\begin{array}{c} 4, 184, 220\\ \hline 76\\ 0, 541\\ 17, 573\\ 35, 383\\ 2, 506\\ 40, 438\\ 160, 535\\ 48, 180\\ 780\\ 0, 4, 203\\ 19, 742\\ 70, 085\\ 111, 219\\ 103, 654\\ 7, 005\\ 5, 224\\ 1, 335\\ 64, 340\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 29, 400\\ 121, 375\\ 20, 400\\ 25, 100\\ 25, $	$\begin{array}{c} 26, 170, 377 \\ \hline 7, 580 \\ 1, 544, 058 \\ 200, 125 \\ 156, 446 \\ 05, 623 \\ 320, 001 \\ 411, 740 \\ 69, 558 \\ \hline 30, 551 \\ 29, 030 \\ 67, 150 \\ 67, 150 \\ 136, 312 \\ 40, 570 \\ 53, 715 \\ 23, 730 \\ 136, 312 \\ 40, 570 \\ 136, 312 \\ 40, 570 \\ 136, 312 \\ 40, 570 \\ 136, 312 \\ 40, 570 \\ 136, 312 \\ 40, 570 \\ 136, 312 \\ 40, 570 \\ 136, 312 \\ 40, 570 \\ 100, 551 \\ 100, 504, 405 \\ 8, 942, 732 \\ 250, 437 \\ 11, 401, 324 \\ 250, 437 \\ 1401, 324 \\ 778, 800 \\ 440, 044 \\ 219, 555 \\ 906, 088 \\ 397, 513 \\ 100, 514 $	1, 228, 015 600 1, 040 12, 662 42 13, 40 279 1, 40 279 1, 40 4, 002 4, 002 4, 002 141, 341 110, 863	446, 774 500 35, 683 8, 009 2, 200 8, 112 19, 422 3, 452 180 4, 886 2, 876 2, 300 -23, 307 -20, 307 -20, 307 -3, 210 1, 889 -23, 007 -3, 210 1, 889 -23, 007 -20, 307 -3, 210 -3, 423 70, 303 -3, 5, 406 -34, 522 05, 092 60, 694 4, 308 -2, 901 -7, 640 -1, 270 -3, 50 -3,	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c} 49,213,898\\ 11,557\\ 2,608,225\\ 569,819\\ 610,494\\ 83,476\\ 302,526\\ 113,736\\ 2,173,459\\ 1,422,753\\ 1,225,173,459\\ 113,736\\ 83,747\\ 274,962\\ 3356,315\\ 117,638\\ 6,131\\ 4,921,985\\ 1117,638\\ 6,131\\ 4,921,985\\ 1117,638\\ 6,131\\ 4,921,985\\ 117,638\\ 6,131\\ 4,921,985\\ 10,523\\ 356,315\\ 10,523\\ 356,315\\ 10,523\\ 344,450\\ 104,529\\ 10$	1,947,863 824 62,800 9,652 5,040 92,530 11,284 7,115 18,649 11,300 7,551 16,649 11,300 7,551 16,649 11,300 7,551 3,554 9,052 9,052 9,07,259 9,455 9,0717 320,303 251,555 9,293 59,455 9,293 59,455 9,354 22,977 15,862 22,977 13,3503 33,328	109, 135, 055 20, 782 5, 656, 674 1, 254, 478 1, 038, 425 2, 665, 666 9, 05, 027 1, 647, 484 7, 200 227, 142 100, 917 537, 458 2, 344, 970 1, 847, 950 497, 029 248, 122 49, 865 5, 453, 586 5, 453, 586 3, 957, 657 1, 470, 688 2, 170, 741 337, 228 34, 962, 294 25, 666, 920 2, 802, 248 2, 472, 666 1, 885, 337 4, 885, 533 2, 015, 250 1900, 403	57, 973, 294 17, 401 2, 985, 459 675, 007 422, 901 181, 472 585, 720 1, 377, 325 111, 287 1, 659, 492 926, 037 133, 455 128, 885 40, 180 501, 180 503, 180 503, 180 503, 180 504,	44,048 7 1,940 133 333 424 234 18 14 238 424 234 18 14 238 426 204 222 36 53 1,937 2,569 731 1,516 9,615 337 1,803 337 337 337 337 337 337 337 337 337 337 338 337 337 338 337 338 337 338 337 338 338 418 338 3384 </td <td>22, 578 1, 110 15 185 185 185 185 185 </td> <td>3, 053</td> <td></td> <td>022 022 023 025 025 025 147 147 755</td> <td>16, 816 5 830 1766 33 278 344 238 14 238 14 238 14 238 14 238 14 238 462 344 222 346 1, 122 346 1, 122 241 1, 222 346 241 16 228 344 241 17, 222 345 241 1, 122 344 241 344 241 342 344 345 346 347 348 348 349 348 348</td> <td>256 256 256 256 345 256 345 254 345 15 13 33 31,591 33 33 3,501 33 33 34,591 35 35 35 35 35 35 35 35 35 35 35 35 35</td>	22, 578 1, 110 15 185 185 185 185 185 	3, 053		022 022 023 025 025 025 147 147 755	16, 816 5 830 1766 33 278 344 238 14 238 14 238 14 238 14 238 14 238 462 344 222 346 1, 122 346 1, 122 241 1, 222 346 241 16 228 344 241 17, 222 345 241 1, 122 344 241 344 241 342 344 345 346 347 348 348 349 348 348	256 256 256 256 345 256 345 254 345 15 13 33 31,591 33 33 3,501 33 33 34,591 35 35 35 35 35 35 35 35 35 35 35 35 35
$\begin{array}{c} 1,556,287\\\hline 100\\271,154\\51,667\\30,640\\34,680\\62,231\\24,910\\15,635\\1,300\\12,765\\38,635\\67,104\\61,723\\5,381\\15,380\\4,940\\73,015\\226,218,218\\226,218\\226,218,218\\226,218,218\\226,218,218\\226,218,218\\226,218,218\\226,218,218\\226,218,218\\226,218,218\\226,218,218\\226,218,218\\226,218,218\\2$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 26, 170, 377 \\ \hline 7, 580 \\ 1, 544, 058 \\ 200, 125 \\ 156, 446 \\ 05, 623 \\ 320, 001 \\ 411, 740 \\ 69, 558 \\ \hline 30, 551 \\ 29, 030 \\ 67, 150 \\ 67, 150 \\ 136, 312 \\ 40, 570 \\ 53, 715 \\ 23, 736 \\ 143, 000 \\ 1, 484, 304 \\ 568, 100 \\ 761, 086 \\ 145, 113 \\ 10, 504, 498 \\ 8, 942, 732 \\ 250, 437 \\ 11, 401, 324 \\ 778, 800 \\ 440, 044 \\ 215, 138 \\ 397, 517 \\ 444, 266 \\ 125, 98 \\ 255,$	1, 228, 015 600 1, 040 12, 662 42 13, 40 279 1, 40 279 1, 40 279 1, 40 279 1, 40 279 1, 40 1, 60 4, 002 4, 002 1, 41, 841 1, 10, 863 1, 10, 863 4, 002 1, 10, 863 1, 10, 863 4, 002 1, 10, 863 4, 002 1, 10, 863 1, 10, 8	446, 774 500 35, 683 8, 009 2, 200 8, 112 19, 422 3, 452 1, 80 4, 886 2, 876 2, 976 23, 007 -20, 807 -20, 807 -3, 210 1, 889 -23, 007 -3, 210 -3, 210 -3, 210 -3, 210 -3, 5, 406 -34, 522 65, 002 60, 694 4, 308 -2, 900 -2, 900 -2, 900 -3, 5, 405 -3, 5, 405 -3, 4, 5, 405 -3, 5, 405 -3, 5, 405 -3, 5, 405 -3, 5, 405 -3, 4, 5, 202 -3, 5, 405 -3, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c} 49, 213, 898\\ 11, 557\\ 2, 608, 235\\ 560, 319\\ 610, 834\\ 83, 476\\ 302, 526\\ 2, 173, 459\\ 1, 422, 756\\ 2, 173, 459\\ 1, 422, 756\\ 83, 747\\ 274, 902\\ 1, 266, 838\\ 9, 105, 523\\ 356, 315\\ 117, 638\\ 9, 105, 526\\ 2, 104, 952\\ 1, 266, 838\\ 101, 326\\ 3, 562, 587\\ 104, 520\\ 2, 324, 214\\ 826, 066\\ 1, 254, 300\\ 9, 106, 488\\ 107, 806\\ 1, 010, 273\\ 39, 98\\ 39, 98\\ 39, 98\\ 39, 84\\ 20, 84\\ 30, 84\\$	$\begin{bmatrix} 1, 947, 863 \\ 824 \\ 62, 800 \\ 9, 652 \\ 5, 040 \\ 9, 652 \\ 5, 040 \\ 11, 618 \\ 22, 309 \\ 9 \\ 2, 119 \\ 484 \\ 7, 115 \\ 18, 649 \\ 9 \\ 2, 119 \\ 484 \\ 7, 115 \\ 18, 649 \\ 11, 390 \\ 7, 259 \\ 1, 590 \\ 3, 554 \\ 30, 420 \\ 156, 723 \\ 100, 919 \\ 46, 087 \\ 70, 155 \\ 30, 420 \\ 156, 723 \\ 100, 919 \\ 46, 087 \\ 70, 155 \\ 52, 9, 9, 293 \\ 59, 455 \\ 52, 22, 977 \\ 15, 862 \\ 22, 977 \\ 15, 862 \\ 22, 977 \\ 15, 862 \\ 22, 977 \\ 15, 862 \\ 23, 764 \\ 8 \\ 3, 328 \\ 1 \\ 1, 336 \\ 5 \\ 2, 356 \\ 5 \\ 5 \\ 7, 755 \\ 1, 5 \\ 1, 326 \\ 1, 336 \\$	109, 135, 055 20, 782 5, 656, 674 1, 251, 478 1, 038, 425 2, 665, 666 9, 005, 027 1, 647, 484 7, 200 227, 142 190, 917 537, 458 2, 344, 970 1, 847, 950 247, 950 249, 865 5, 453, 586 3, 987, 657 1, 479, 688 2, 170, 741 337, 228 34, 962, 294 28, 400, 720 894, 654 5, 666, 920 2, 802, 244 28, 400, 720 894, 654 5, 666, 920 2, 802, 244 5, 666, 920 2, 802, 245 2, 855, 353 2, 015, 250 190, 403 81, 370 225, 553 129, 657	57, 973, 294 17, 401 2, 985, 459 675, 007 422, 901 181, 472 585, 720 1, 377, 020 1, 377, 020 1, 377, 020 1, 377, 020 1, 050, 402 9020, 037 133, 455 128, 885 100, 686 2055, 381 1, 059, 402 907, 407 1, 500, 245 222, 982 21, 079, 404 17, 255, 332 540, 821 3, 283, 251 1, 953, 206 1, 205, 306 9940, 222 346, 722 9981, 205 99, 055 199, 055 107, 055 199, 055 107, 055	$\left \begin{array}{c} 44,048\\ 7\\ 1,940\\ 191\\ 133\\ 478\\ 424\\ 234\\ 234\\ 234\\ 424\\ 234\\ 426\\ 204\\ 222\\ 36\\ 53\\ 1,937\\ 2,569\\ 731\\ 1,516\\ 9,615\\ 337\\ 1,863\\ 809\\ 200\\ 200\\ 337\\ 1,863\\ 819\\ 200\\ 200\\ 200\\ 200\\ 200\\ 200\\ 200\\ 20$	22, 578 1, 110 15 70 185 185 185 185 240 765 9, 057 7, 722 2250 1, 088 577 700 1, 500 1, 500 	3, 053		022 022 022 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	256 256 256 256 256 256 256 256 256 256
4,556,287 100 271,154 51,067 39,640 34,680 62,231 24,910 15,635 63,038 67,104 61,723 5,381 15,380 4,940 73,013 226,218 03,550 14,940 226,218 03,4946 28,222 1,603,827 1,340,065 62,140 201,622 88,784 201,622 88,784 201,622 88,784 201,622 500 2,436 122,850 500 2,436 122,850 500 2,436 13,990 10,746 10,748 10,7	$\begin{array}{c} 4, 184, 220\\ \hline 76\\ 01, 541\\ 17, 573\\ 35, 383\\ 2, 506\\ 40, 438\\ 160, 535\\ 48, 180\\ 4, 203\\ 100, 535\\ 48, 180\\ 42, 033\\ 10, 742\\ 76, 085\\ 111, 219\\ 103, 554\\ 7, 7005\\ 5, 224\\ 1, 435\\ 5, 224\\ 1, 435\\ 5, 204\\ 1, 616, 708\\ 84, 732\\ 7, 174\\ 1, 516, 708\\ 707, 524\\ 11, 879\\ 707, 505\\ 86, 440\\ 0, 25, 100\\ 12, 107\\ 5, 27, 442\\ 1, 54, 211\\ 54, 211$	26, 170, 377 7, 580 1, 544, 058 200, 125 1, 564, 406 05, 623 329, 001 441, 740 60, 558 	1, 228, 015 600 1, 040 12, 662 42 1, 40 279 100 4, 062 4, 062 4, 062 4, 062 141, 841 110, 863 400 22 111, 841 110, 863 400 141, 841 110, 863 110, 863	$\begin{array}{c} 446, 774\\ 5600\\ 35, 583\\ 8, 090\\ 2, 290\\ 8, 112\\ 19, 422\\ 3, 150\\ 4, 386\\ 2, 576\\ 2, 200\\ 23, 007\\ 220, 307\\ 220, 307\\ 220, 307\\ 220, 307\\ 220, 307\\ 3, 100\\ 1, 889\\ 3, 70, 303\\ 35, 406\\ 34, 522\\ 65, 002\\ 60, 034\\ 4, 308\\ 2, 901\\ 7, 640\\ 1, 270\\ 36\\ 36\\ 36\\ 36\\ 36\\ 36\\ 1, 270\\ 1, 70\\ 36\\ 36\\ 36\\ 36\\ 36\\ 1, 270\\ 1, 70$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c} 49, 213, 898\\ 11, 557\\ 2, 608, 235\\ 560, 819\\ 610, 844\\ 83, 476\\ 302, 526\\ 113, 766\\ 83, 747\\ 274, 902\\ 1, 422, 753\\ 83, 747\\ 274, 902\\ 1, 266, 838\\ 910, 523\\ 910, 523\\ 910, 523\\ 910, 523\\ 1, 266, 838\\ 910, 523\\ 1, 266, 838\\ 910, 523\\ 1, 266, 838\\ 910, 523\\ 1, 266, 838\\ 910, 523\\ 1, 266, 838\\ 910, 523\\ 1, 266, 838\\ 1, 350, 587\\ 10, 503, 833\\ 344, 540\\ 2, 324, 214\\ 826, 000\\ 1, 254, 300\\ 0, 16, 486\\ 107, 806\\ 1, 010, 273\\ 85, 833\\ 39, 98\\ 90, 544\\ 20, 844\\ 800, 70\\ 1, 010, 273\\ 85, 833\\ 39, 98\\ 90, 544\\ 20, 844\\ 90, 544\\ 20, 844\\ 90, 544\\ 300, 70\\ 1, 010, 273\\ 10, 805\\ 10, 100, 273\\ 10, 805\\ 10, 100, 273\\ 10, 805\\ 10, 100, 273\\ 10, 805\\ 10, 100, 273\\ 10, 805\\ 10, 100, 273\\ 10, 805\\ 10, 100, 273\\ 10, 805\\ 10, 100, 273\\ 10, 805\\ 10, 100, 273\\ 10, 805\\ 10, 100, 273\\ 10, 805\\ 10, 100, 273\\ 10, 805\\ 10, 100, 273\\ $		109, 135, 055 20, 782 5, 656, 674 1, 254, 478 1, 038, 425 2, 665, 667 1, 038, 425 2, 665, 667 1, 647, 484 7, 200 227, 142 100, 917 537, 458 2, 344, 979 2, 345, 122 4, 985 3, 962, 248 2, 478, 656 1, 885, 537 2, 015, 250 1900, 403 81, 370 0, 225, 533 129, 657 95, 896 1, 996, 429 1, 996, 429	57, 973, 294 17, 401 2, 985, 659 675, 007 422, 901 181, 472 585, 720 1, 377, 203 111, 287 100, 686 255, 381 1, 055, 492 926, 037 133, 455 1228, 885 40, 180 501, 181 2, 310, 724 4, 905 5128, 885 40, 180 501, 181 2, 310, 724 21, 079, 404 17, 255, 332 540, 821 3, 283, 251 1, 953, 206 1, 208, 300 981, 208 981, 208 981, 208 101, 237 40, 055 133, 595 1, 432, 206 1, 151, 355 1, 1, 17, 17, 185 1, 151, 355 1, 151, 155 1, 15	$\left \begin{array}{c} 44,048\\ 7\\ 1,940\\ 133\\ 33\\ 478\\ 424\\ 234\\ 234\\ 222\\ 36\\ 204\\ 222\\ 36\\ 35\\ 1,937\\ 2,569\\ 2,569\\ 35\\ 1,937\\ 2,569\\ 35\\ 35\\ 35\\ 35\\ 35\\ 35\\ 35\\ 35\\ 35\\ 35$	22, 578 1, 110 15 16, 110 15 185 185 185 185 185 185 185 185			922 922 922 922 922 922 922 922	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	256 256 256 256 254 115 136 3 3 4 760 113 501 3 501 3 4 98

⁸ Same number reported for one or more other months.

TABLE 36.-DETAILED STATEMENT OF ALL INDUSTRIES

_					BFBS	ONS IN	CAGED		NDUSTRY.		WAG	E EARNE	RS DEC	. 15, 0	R	
				1	1 21.5	1		1			NEARE	ST REPRI	.	FIVE 1	DAY.	
		nents.			Sala- ried	Clerk	s, etc.		Wage earn	ers.		16 and	over.	Und	er 16.	
	INDUSTRY AND CITY.	blishn		Pro- prie-	offi- cers,				Number, 1	5th day of—						Capital.
		Number of establishments.	Total.	tors and firm mem- bers.	super- in- tend- ents, and man- agers.	Male.	Fe- male.	Aver- age num- ber.	Maximum month.	Minimum month.	Total.	Male.	Fe- male.	Male	Fe- male	
	CITIES OF 50,000 INHA	віта	NTS OR	MOR	E-AL	L IND	USTRI	tes con	BINED A	ND SPECIF	IED IN	DUSTRI	ES-C	ontíni	ied.	
	GRAND RAPIDS-Continued.															Dollars.
1 2	Printing and publishing, newspapers and periodicals. Printing and publishing	20 7	580 417	11 2	34 16	164 145	62 45	309 209	De 220	 Fe 196	333 220	264 197	63 19	4 3	2 1	1, 169, 067 792, 213
3	Printing, publishing, and job printing. Publishing without printing	5 8	146	- 3 6	13 5	- 14 5	ĨŤ	-99 99	De 112	Fe 88	112	66	44	ĩ	Î	369, 372
4 5 6	Saddlery and harness. Sausage, not made in slaughtering and meat-packing establishments.	4 3	27 15	- 2 5	2 		1	23 9	(³) 23 Jy 1 10	(*) 23 Ja 4 8	23 10	23 10				105, 155 328, 900
78	Saws Shirts	3 3 25 3	15 66	2 1 4	4 4 3	1 18	2 3	6 40 16	(⁸) 6 Oc 4 43 Au 20	$\begin{pmatrix} a \\ Ja \\ Ta \\ Ja \\ 12 \end{pmatrix}$	7 37	7	····29			23, 860 58, 086
9 10 11	Signs, other than electric Tobacco, cigars Tools, not elsewhere specified	25 3	23 761 7	$\frac{24}{3}$	32	18		678 4	Au 795 (⁸) 4	Ja 4 13 De 625 (³) 4	10 779 6	$\begin{array}{c} 16\\100\\4\\\end{array}$	664	$\frac{2}{2}$	7	21, 785 869, 468 17, 875
12 13	Wood, turned and carved All other industries*	10 134	139 7,350	11 74	7 352	2 479	304 304	116 6, 141	De 152	Ja 85	151 6, 839	141 5,425	10 1, 194	103	117	220,044 24,059,566
Ar Aw Ba Be Bo Bo Bo Bo Bo Bo Bo Bo Bo Bo	mminum manufactures	Butto Canni Carpe Carria repa Cars and com Cars ano pan Cash cash	nes ms ms and p ets, rag ages and airs and gene 1 repairs nies registers nes 1 decorati	ral sho by stoa and o	ing, frui ons, ir op cons electric- op cons m-railro ealculati	its. icluding truction railroad truction ad com		Dental go Electrica supplie Engravin includi: Fancy as Flavorin Food pr specific Fur good Gas, illu Gas mac	and set of the set of	sirups apparatus, a l coppor plai nting not elsewhe d heating gas and wai	1 2 2 2 2 1 2 3 3 1 1 1 1 2	Grease a lubrica Hair wor Hand sta Hats an straw.	gid mitte ves mad nd tall ting gre k mps d caps and we rnishing specific ufactury	e in te low, i nses. , oth pol. g goo ed	oth, no oxtile not i ier th ids, r	ot includ- mills
1	LANSING—All industries	147	14,297	100	509	739	600	12,349	No 13,712	Ja 10,185	12,770	11,765	987	17	1	61,031,509
2345678	Artificial stone products Automobile bodies and parts Automobile repairing Bread and other bakery products Copper, tin, and sheet-iron work Engines, steam, gas, and water Flour-mill and gristmill products	4 6 10 5 4 3	28 2,351 39 99 37 950 33	5 10 16 4 3 4	2 52 4 5 40 2	$2 \\ 66 \\ 1 \\ 1 \\ 36 \\ 4$	31 3 9 2 30 4	$19 \\ 2,202 \\ 25 \\ 69 \\ 25 \\ 838 \\ 20$	Jy 4 31 No 2,361 Jy 4 30 Au 4 71 Oc 35 De 939 Oc 25	Mh 67 Ap 18 Ja 715	$\begin{array}{r} 14 \\ 2,204 \\ 22 \\ 66 \\ 36 \\ 939 \\ 94 \end{array}$	$ \begin{array}{r} 14 \\ 1,919 \\ 21 \\ 59 \\ 36 \\ 884 \\ 99 \end{array} $	1 7 52	····· 3		58,328 6,596,290 85,072 166,163 94,314 3,271,744
9 10	Foundry and machine-shop products. Iron and steel, forgings, not made in steel works or rolling mills	16 4	1,143 783	4	60 21	29 56	$67 \\ 17$	983 689	De 1,148 Oc 927	Je 14 Mh 866 Ja 515	24 1,143 780	$^{22}_{1,036}$ $^{717}_{717}$	$^{2}_{98}_{03}$	9		334,852 4,189,119 2,509,799
$\begin{array}{c} 11 \\ 12 \end{array}$	Iron and steel, welding Lumber, planing-mill products, not including planing mills connected	3 6	6 208	3	23	20		3 158	(³) 3 Se 180	(3) 3 Fe 125	2 173	2 173			•••••	$13,605\\1,146,001$
13	with sawmills. Models and patterns, not including paper patterns.	3	8	3		•••••	. ·	5	Do4 6	Mh 4 4	В	6	•••••			15, 865
$\begin{array}{c} 14 \\ 15 \end{array}$	Printing, job. Printing and publishing, newspapers and periodicals.	17. 5	210 147	14	13 5	3 33	5 27	175 82	My 183 De • 93	Ja 160 Au 62	182 93	108 54	71 38	$\frac{2}{1}$	1	390, 224 399, 008
16 17	Tobacco, cigars All other industries *	4 49	15 8,240	4 34	276	487	397	10 7,046	Ja 13	S0 8	12 7,074	3 6,711	9 361	2		19,689 41,741,436
Aw Baj Bal	*All other industries embrace— tomobiles	Brass Brick Broon Butte Carpe	s, cigar and bron , buildin ns, from s ts, rag	ize pro g broom	ducts		$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 2 \\ 2 \end{array} $	Clothing, and pet Coffee, ro Coffins, b	women's, ticoats asting and g urial cases, a	undorgarme rinding nd undertako	nts 1 1	Dairymer rists'su Druggists Electrical	r's, pou pplies. Prepai machin	ltrym ration nery,	en's, s	and apia-

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

EXPENSES. Power. Salaries and wages. Rent and taxes. For materials. Value of saldred by products. Primary horsepower. Officials. Clerks, etc. Wago earners. Work. Rent of actory. Taxes, rototic, county, cou																	
Sala	ries and wa	ages.		Rent a	nd taxes.	For mat	erials.				Prin	nary hor	rsepow	er.		Flor	
1 m.			79						added by			Own	ed.			Elec- tric horse- power	
Officials.			contract		Federal, state, county, and	Principal materials.	rent of			Total.	en- gines (not tur-	tur-	nal- com- bus- tion en-	Wa- ter pow-	Rent- ed. ²	ğener- ated in estab- lish- ments report- ing.	1
	CITII	ES OF 50,0	00 INHAI	BITANTS	OR MOR	E-ALL II	NDUSTRI	ES COMBI	NED AND	SPECIFI	ED IN	1 DUSTR	l IES	-Contin	ued.	<u> </u>	<u> </u>
Dollars.																	
98, 170 32, 533	214, 091 32, 126	209, 375 96, 575		16, 320 1, 108	92, 518 6, 395	485, 081 93, 712	13, 371 3, 782	1, 771, 394 531, 343	1, 272, 942 433, 849								
3, 115 2, 900		23.338		250	328	3, 430 192, 399 94, 639		41, 026 253, 775 121, 993	37, 596 61, 156 24, 942					•••••	7 53		
6, 022 6, 307 42, 941	78, 540	4,200 137,721	5, 588 16, 866	675 11, 363 720 6, 494	359 489 328 313, 859	12, 824 72, 026 16, 077 790, 054 12, 410	435 64 3, 162 187 9, 105	40, 177 176, 500 57, 331 1, 982, 897 23, 900 342, 335	104,03941,1901,189,68111,303243,520	10 288					8 1 27 10 288	3, 448	1
abels and amps and eather go fied ithograph ooking-gl umber an fachine to fattresses where sp fillinery	d tags d reflectors bods, not e hing ass and pic ad timber bols and spring ecclied and lace		1 2 2 2 2 1 1 1 1 2 1 2	Models an paper p Motorcycl Musical i Musical i Musical in Optical g Paints Paper and Paper goo Perfumer	nd patterns atterns les, bicycles nstruments cified nstruments, oods d wood pulj ods, not elso y, and cosn	s, not includ	ling 2 lals, 3 2 fials 2 2 2 2 2 2	Pickles and s Plumbers' is specified Refrigerators Roofing matt Rubber tire goods, not Sand-lime br Staam fittin water heat Steam packi Steanells and	sauces. supplies, not prials s, tubes, a elsewhere s ick	nd rubb pecified	1 re 1 1 2 er 2 2 1 1	Structu steel Surgica Textile Toys ar Trunks Typewr Uphols Varnish Varnish Vinegar Windov	ral iro works lappli machi id gam and v riters a tering : nes r and c w and	onwork or rollin ances nery an ucs alises nd par materia ider d door	, not m ng mills.	ade in sior	
1, 435, 320	1, 535, 491	13, 957, 051	14, 370	55, 651	3, 776, 420	63, 783, 131	1, 198, 209	104, 722, 115	39, 740, 775	23, 602	4, 907	100	<u> </u>	<u> </u>	18, 346	2, 129	
2,500 129,627 9,300 10,925 115,625 2,900 162,548 90,696	$\begin{array}{c} 1,300\\ 121,095\\ 4,520\\ 10,356\\ 4,747\\ 85,813\\ 8,960\\ 102,722\\ 112,527\end{array}$	$\begin{array}{c} 27,876\\ 2,485,552\\ 38,710\\ 89,832\\ 31,064\\ 036,170\\ 24,735\\ 1,002,396\\ 013,820\end{array}$	335 9, 054	1,840 1,366 1,500	$186 \\ 270, 825 \\ 12, 804 \\ 3, 897 \\ 1, 078 \\ 283, 466 \\ 3, 021 \\ 349, 476 \\ 149, 683 \\ 140, 683 \\$	$\begin{array}{r} 46,673\\ 4,957,424\\ 111,654\\ 514,412\\ 93,270\\ 1,382,955\\ 757,650\\ 2,055,379\\ 2,319,385\end{array}$	$\begin{array}{c} 1,904\\ 64,426\\ 4,540\\ 12,987\\ 366\\ 86,104\\ 5,157\\ 53,325\\ 169,741 \end{array}$		$\begin{array}{c} 65,838\\ 4,208,005\\ 91,235\\ 312,736\\ 74,817\\ 1,758,701\\ 84,126\\ 2,447,546\\ 1,685,502 \end{array}$	174,4204612221,1825031,8222,509	460	100	6	213 30	$17 \\ 2,545 \\ 46 \\ 122 \\ 2 \\ 716 \\ 290 \\ 1,142 \\ 1,989$	1,310 300 480	
63, 400	44, 813	4, 732 175, 068		2,400 3,080	15 20, 008	8,960 1,632,779	426 10, 971	25, 198 2, 226, 531	15, 812 582, 781	11 564	60				11 504		. 1
· · · · · · · · · · · · · · · · · · ·		5, 538		. 540	50	6, 241	759	17,825	10, 825 419, 959	23				•••••	23 130	• • • • • • •	. 1
38, 860 39, 860	9, 629 34, 800 720	214,072 82,651 9,852	2, 613 2, 308	15,937 1,440 1,500	6,050 17,592 4,240	239,463 143,413 13,997	5,775 4,664 227	665, 197 495, 507 35, 537	347, 430 21, 313	139 117				•••••	139 117		. 1
769, 079	993, 480	7, 825, 371		8, 840	4, 240 2, 054, 029	13,997 49,499,476	776, 837	35, 537 77, 890, 312	27, 613, 999	12, 125	1,442	Sugar 1	haot	•••••	10, 683	39	
Hass, cut monting Hardware. Ice, manui Marble an	tting, stain	d heating ning, and ork, monut	orna- 1 1 1 nents	where s Mineral s Patent	nd carbons and propr	ng beds, not ted waters ietary ma r than steam	1 1 adi-	Screws, mach Show cases Signs, other Stoves and 1 Structural irc works or ro	than electric.		11	Tools, I Windm	iotelse uills	where	ere speci specified reens		•

Mattresses and spring beds, not else-where specified. 1 Mineral and carbonated waters..... 1 Patent and proprietary medi-cinos..... 1 Pumps, power, other than steam.... 1

⁸ Same number reported throughout the year.

· Same number reported for one or more other months.

${\bf MANUFACTURES} {\leftarrow} {\bf MICHIGAN}.$

TABLE 36.-DETAILED STATEMENT OF ALL INDUSTRIES.

					PERSO	NS ENG.	AGED IN	7 THE IN	DUSTRY.			E EARNE ST REPRE		15, OR IVE DAY.	
		ţ,			Sala-	Clerks	, etc.		Vage earner:	S.	in the second	16 and	over.	Under 16.	alista in a
	INDUSTRY AND CITY.	Number of establishments		and firm mem- bers.	ried offi- cers, super- in- tend- ents, and man- agers.		Fe- male.	Aver- age num- ber,	Maximum month.	month.	Total.	Male.	Fe- male.	Male F6- male	Capital,
	CITIES OF 50,000 INHA	BITAI	NTS OR	MORI	E-ALI		JSTRI	ES COM	BINED A	ND SPECIE	IED IN	DUSTRI	ES-C	ontinued.	11 1
1	SAGINAW—All industries	208	11,116	180	424	625	415	9,472	No 11,379	Ja 7,990	11,350	9,415	1,881	38 10	Dollars, 45,240,435
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Artificial stone products	6 5 4 3 18 3 7 10 17 11 10 17 11 10 3 3 11 5 3 4 4 14 18 74 74	44 270 8 27 313 24 47 51 3,182 787 2,395 9 86 537 29 18 21 139 113 6,198 and gene	6 1 4 5 23 8 16 3 3 8 2 15 8 2 15 8 2 15 17 21 43 eral sh	8 3 8 3 8 2 3 8 4 4 9 27 2 2 2 2 4 4 12 4 225	1 15 24 29 169 29 140 	9 1 1 1 4 2 4 101 35 66 28 28 2 2 4 17 225 n	31 22 4 19 240 15 29 24 2,827 632 2,145 3 70 436 11 13 12 91 5,339 Coffins, 1	Se 59 De 327 (*) 4 Se 41 De 248 Jy 4 19 Jy 35 50 De 33 De 755 No 3,007 No 4 4 Au 108 De 497 Oc 4 13 Au 4 19 (*) 12 No 98 De De 103	Ja 12 Ja 23 Ap, 15 Ja 637 Ja 1,107 Mh 2 De 26 Mh 368 Ja 7 Mh 4 10 (0) 12 Ap 4 88 Jy 74 	43 327 4 27 234 10 27 34 3,855 7560 3,099 4 62 500 12 10 10 10 12 10 10 10 10 10 10 10 10 10 10	43 203 27 117 8 21 33 3,067 749 2,938 4 4 62 487 11 10 3 80 66 4,459 Engrayin	$ \begin{array}{r} 115\\2\\6\\1\\166\\5\\161\\\\\\\\13\\1\\1\\\\1\\1\\1\\1\\44\\1,478\\\end{array}$	34 16	$\begin{array}{c} 36,109\\ 505,201\\ 99,721\\ 115,113\\ 84,788\\ 10,355,859\\ 3,321,225\\ 16,034,634\\ 409,651\\ 2,216,696\\ 33,848\\ 33,847\\ 125,457\\ 307,067\\ 95,481\\ 20,740,103\\ \end{array}$
Bo Bo Car Car	tomobiles	and pan Cash Chem Cloth dres Coal-t Coffee	l repairs l lies registers a licals ing, wom sses, exce tar produce a, roasting	by stea and par ien's, s pt hous cts g and g	m-railro rts hirt wa se dress rinding	oad con aists an es	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	goods. Cooperag Corsets. Electrica supplic Electropi Enamelin Engines,	e, hogshead I machinery s lating steam, gas,	s and barrols 7, apparatus, and water TRIES COM	and 1 2 1 1 1 2	Gas, illu Gas, illu Gass, ci montir	o minatir utting.	ig and her staining,	er plate, in- 1 roducts 3 2 3 ting 1 and orna- 1
1	Adrian	62	2, 260	58	95	163	74	1, 870	Qc 2,08	2 My 1,715 0 Fo 1,218	2, 217	1,775	431	11	·· 7,070,936 7,140,433
2345	ALPENA ANN ARBOR. BATTLE CREEK. BAY CITY.	38 78 118 108	1, 500 1, 899 8, 346 6, 173	30 69 85 73	45 89 338 313	36 61 794 439	$ \begin{array}{r} 17 \\ 68 \\ 449 \\ 291 \end{array} $	1, 372 1, 612 6, 680 5, 057	Oc 1, 59 Jy 1, 71 Au 7, 55 De 6, 12	1 Ap 1,502 4 Ja 5,868 7 Au 4,305	1, 674 6, 723 5, 820	1, 400 1, 503 5, 724 4, 635	992	3	7,381,026 4 38,863,882
6 7 8 9 10	BENTON HARBOR. ESCANABA. HOLLAND. IRONWOOD. ISHIPEMING.	64 28 21	$2,879 \\ 992 \\ 3,281 \\ 479 \\ 191$	45 42 36 29 20	136 33 158 20 18	219 60 192 18 32	151 15 144 13 14	$2, 328 \\ 842 \\ 2, 748 \\ 399 \\ 107$	Fe 88 Se 3,08	2 Aŭ 774 9 Ja 2,432 1 My 271	453	2,628	212 573 17	$egin{array}{c c} 1 & \\ 22 & 2 \\ 11 & \end{array}$	1,531,533
11 12 13 14	JACKSON KALAMAZOO MARQUETTE MONROE	185	11, 205 9, 535 1, 605 3, 224	110 120 18 19	$\begin{array}{c} 445 \\ 483 \\ 62 \\ 114 \end{array}$	586 778 70 108	444 525 40 79	9, 620 7, 629 1, 415 2, 904	No 11,07 De 8,72 My 1,46 De 3,13	4 My 7,080 9 Jo 1,260	8,670	9, 468 6, 703 1, 405 1, 998	11.910	$\begin{pmatrix} 31 & 2\\ 12 & \end{pmatrix}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
15 16 17 18	MUSKEGON OWOSSO PONTIAC. PORT HURON	40	10, 954 2, 043 9, 167 2, 631	101 31 96 67	362 90 282 123	372 93 590 119	403 48 517 91	9, 716 1, 781 7, 682 2, 231	De 10, 99 De 2, 12 No 9, 34 Oc 2, 76	1 Fe 1,488 5 Ja 5,622	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1, 808 8, 618 2, 420	8 211 699 8 422	10	1 42,693,258 1 10,001,596
19 20 21 22	SAULT STE. MARIE. TRAVERSE CITY. WYANDOTTE ALL OTHER CITIES 5.	26	6,806	18 52 20 38	51 66 81 797	332			Ja 6,95	7 Jy 4,72	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1, 207 890 6, 921 73, 228	$1 210 \\ 289$	$\begin{array}{c c} 4 & . \\ 5 & . \end{array}$	3,141,355

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

COMBINED AND SPECIFIED INDUSTRIES: 1919-Continued.

			EXPEN	SES.			<u>.</u>					POW	ER.				<u> </u>
Sala	aries and w	nges.		Rent a	nd taxes.	terials.				Prin	hary ho	seloow	er.		Elec-		
			For					Value of products.	Value added by manufac-			Own	ed.			tric horse- power	
Officials.	Clerks, etc.	Wago oarnors.	work,	Rent of factory.	Taxes, Federal, stato, county, and local.	Principal materials.	Fuel and rent of power.		ture.	Total.	Steam en- gines (not tur- bines).	Steam tur- bines.	Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er.1	Rent- ed.²	gener- ated in estab- lish- ments report- ing.	
	CITII	ES OF 50,0	00 INIIAI	BITANTS	OR MOR	E-ALL II	NDUSTRI	ES COMBII	NED AND	SPECIF	IED IN:	DUSTF	IES-	Contin	ued.		
Dollars. 1,450,249	Dollars. 1, 373, 206	Dollars, 9, 963, 386	Dollars. 1, 262, 078	Dollars. 58, 590	Dollars. 1, 121, 658	Dollars. 769, 132	Dollars. 43, 146, 125	Dollars. 21, 830, 363	31, 402	9,005	802	35		21 560	2, 541	1	
9, 252 71, 191 , 892 36, 944 8, 000 9, 653 8, 200 329, 724 115, 700 214, 024 , 129 105, 970	2, 170 25, 643 1, 091 53, 666 7, 366 1, 855 1, 855 106, 707 278, 478 8, 731 74, 489	$\begin{array}{c} 42,232\\ 237,003\\ 4,116\\ 35,343\\ 109,982\\ 14,806\\ 26,685\\ 23,575\\ 3,029,118\\ 1,048,500\\ 1,980,528\\ 5,762\\ 46,903\\ 348,514 \end{array}$	500, 000 1, 014 	1,0597369505,5901,2002,7242,16050507102,100	$\begin{array}{c} 914\\ 65,733\\ 27\\ 6,619\\ 1,071\\ 1,270\\ 603\\ 322,108\\ 100,210\\ 215,988\\ \hline 38,351\\ 40,982\\ \end{array}$	$\begin{array}{c} 50, 817\\ 235, 067\\ 1, 659\\ 17, 034\\ 803, 039\\ 645, 972\\ 181, 119\\ 58, 556\\ 5, 003, 959\\ 828, 756\\ 5, 003, 959\\ 828, 756\\ 5, 077, 203\\ 1, 551\\ 64, 240\\ 1, 491, 133\end{array}$	$\begin{array}{c} 1,176\\ 14,816\\ 588\\ 1,171\\ 19,891\\ 3,084\\ 3,521\\ 701\\ 221,681\\ 41,726\\ 189,955\\ 189,955\\ 15,384\\ 16,159\\ \end{array}$	$\begin{array}{c} 118, 760\\ 695, 137\\ 10, 808\\ 117, 363\\ 1, 479, 984\\ 754, 126\\ 309, 904\\ 118, 020\\ 13, 598, 454\\ 3, 023, 729\\ 10, 574, 725\\ 11, 207\\ 165, 744\\ 2, 474, 337\\ \end{array}$	$\begin{array}{c} 66, 767\\ 445, 254\\ 8, 561\\ 99, 158\\ 566, 154\\ 104, 470\\ 125, 264\\ 58, 763\\ 7, 450, 814\\ 2, 153, 247\\ 5, 306, 567\\ 9, 562\\ 86, 120\\ 967, 045\\ \end{array}$	$\begin{array}{c} 68\\ 464\\ 5\\ 23\\ 291\\ 54\\ 107\\ 18\\ 14,586\\ 1,626\\ 12,960\\ 2,960\\ 2,515\\ \end{array}$	680				$\begin{array}{c} 62\\ 314\\ 5\\ 23\\ 141\\ 54\\ 107\\ 3\\ 13,902\\ 1,447\\ 12,455\\ 76\\ 100\\ \end{array}$	232 150 469 50 419 86 644	2 3 4 5 6 7 8 9 10 11 12 13 14 15
3,000 3,205 10,374 24,554 4,191 801,970	5, 025 1, 200 5, 662 16, 464 2, 125 781, 188	$10, 103 \\ 12, 811 \\ 14, 082 \\ 90, 137 \\ 68, 228 \\ 5, 783, 326$	3, 852 199 4, 454	144 757 650 11, 331 1, 735 25, 593	423 1, 562 969 2, 976 23, 208 614, 638	25, 998 32, 717 57, 407 189, 763 114, 984 10, 577, 715	754 437 496 7, 843 915 449, 821	86, 162 81, 744 112, 602 401, 874 239, 512 22, 370, 387	59, 410 48, 590 54, 699 204, 268 123, 613 11, 342, 851	29 8 21 208 5 12,747	150 5, 925	127	 		29 8 21 58 5 6, 685	125 835	16 17 18 19 20 21
ing glove Graphite, a Grease an Iubricath Hand stam Leather, t ishod Lumber an	es made in ground and id tallow, ng greases. aps tanned, cu nd timber i	sloth, not ir taxtile mill i rofined not inch mried, and products	s 1 Inding Inding Infin- Infin- Infin- 2 Infin- 2 Infin-	where s Models a paper p Musical rials Optical g Phonogra Pickles au	pecified nd pattern atterns instrument pods phs and gro id sauces	ng beds, not s, not inclu s, piano r iphophones. O 50,000 IN	else- iding 1 4 2 nate- 1 4 1 4 1 4 2	Saws Shipbuilding Show cases Structural irc	icals. harness. made in slau ng establishr , wooden, sn mwork, not r illing mills.	ghtering a nents nall boats nade in st	3 1 1 1 1 1 1	Tools, r Vinegar Windov strips Windov Wood, f Wooder fled	ot else v and d	where oor ser	specified eens and fixtures. rved. elsewhen	weathe	· 2 · 1 r · 1
227, 368 181, 336 238, 415 1, 500, 311	353, 169 70, 240 134, 476 1, 506, 827	1, 714, 133 1, 528, 379 2, 102, 025 8, 667, 501	1, 327 20, 089 61, 768 58, 509	25,805 4,908 16,356 95,131	188, 498 335, 107 409, 172 2, 798, 882	9, 973, 970 4, 000, 687 5, 083, 093 26, 610, 926	178, 958 826, 788 293, 554 1, 377, 965 465, 828	$14,549,031 \\ 9,356,190 \\ 9,793,696 \\ 56,139,953 \\ 28,214,525$	$\left \begin{array}{r} 4,396,103\\ 4,468,715\\ 4,417,049\\ 28,151,062\\ 12,952,929\end{array}\right.$	$\begin{vmatrix} 3,317\\23,318\\3,629\\22,432\\14,540 \end{vmatrix}$	1, 396 4, 300 1, 036 7, 457 5, 772	$ \begin{array}{r} 14,350 \\ 644 \\ 1,692 \end{array} $	5	68 2,100 1,881	1,820 2,533 2,588 12,437 7,076	1,22511,047135,1874,520	1 2 3 4 5
1, 133, 186 510, 759 84, 100 513, 375 36, 145 58, 450	730, 588 632, 923 98, 203 625, 862 23, 208 63, 125	5, 392, 522 2, 563, 222 875, 692 2, 708, 869 586, 658 124, 413	6, 400 324, 232 150 5, 826 191 24	01, 867 36, 718 6, 610 9, 078 5, 160 3, 041	$\begin{array}{c}1,245,158\\658,386\\66,258\\420,350\\15,834\\12,843\end{array}$	14, 795, 768 4, 285, 508 1, 063, 448 9, 968, 362 519, 693 441, 074	346, 015 89, 483 256, 629 34, 458 41, 624	11, 345, 034 3, 017, 912 17, 711, 095 1, 381, 290 1, 007, 432	12,802,323 6,713,511 1,864,981 7,486,104 827,139 524,734	3, 374 2, 201 4, 037 725 370	378 1,817 2,538 512 210	400	20 21		2,976 363 1,999 213 160	845 845 198	6 7 8 9 10
		10,808,5098,162,3191,502,0633,362,497	437, 842 32, 537 445 1, 422	97, 874 82, 609 8, 949 6, 025	605, 391 1, 611, 751 69, 171 683, 110	29,006,420 22,857,069 3,817,158 7,595,365	982, 292 1, 379, 274 848, 138 765, 762	$\begin{array}{c} 49,517,712\\ 46,254,917\\ 7,210,375\\ 16,052,331 \end{array}$	$19,529,000 \\ 22,018,574 \\ 2,545,079 \\ 7,691,204$	$18,744\\26,147\\6,138\\14,563$	1,715 16,013 2,580 11,137	$\begin{array}{r} 30 \\ 1,432 \\ 1,000 \\ 1,425 \end{array}$	40 115 2 73	140 20	16,959 8,447 2,556 1,908	410 6,987 1,231 3,571	11 12 13 14
$1, 129, 120 \\308, 206 \\1, 462, 366 \\372, 273$	1, 078, 578 274, 211	$\substack{10, 852, 919\\ 2, 220, 894\\ 10, 880, 753\\ 2, 482, 382 }$	84, 395 17, 404 36, 183	43, 125 4, 266 58, 398 19, 440	2, 843, 277 513, 735 5, 271, 983 265, 889	24, 585, 375 4, 873, 237 66, 076, 608 4, 447, 905	1, 090, 354 335, 853 709, 554 483, 052	55, 969, 347 9, 948, 736 104, 990, 133 9, 545, 578	30, 293, 618 4, 739, 646 38, 203, 971 4, 614, 621	$24,026 \\ 4,220 \\ 12,841 \\ 5,884$	5, 253 2, 195 1, 033 1, 880	300 450	14 2 181	94	18,459 1,575 11,712 3,823	1,317 1,015 154 97	15 16 17 18
146, 505 137, 922 425, 341 11,930,110	$\begin{array}{c} .\\ 163,878\\ 96,771\\ 741,088\\ 6,764,868\end{array}$	1, 532, 761 846, 635 10, 659, 415 103,194,750	11, 211 200 2, 004	6,354 9,965 1,900 19,561	553, 611 93, 443 1, 369, 796 47, 873, 654	4, 696, 114 2, 198, 406 10, 562, 077 304, 984, 927	2,877,907	10, 699, 767 4, 099, 960 33, 382, 791 569, 208, 377	3, 939, 326 1, 817, 979 19, 942, 807 260, 138, 249	5, 598 3, 131 29, 528 38, 788	568 1,140 10,557 4,392	17,315 1,000	524 9 220	70 100	4,506 1,921 1,547 33,176	3 11,341 62,448	19 20 21 22

⁸ Same number reported throughout the year.
 ⁴ Same number reported for one or more other months.

⁶ All other cities comprise Hamtramck and Highland Park.