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MANUFACTURES.

COLORADO AND UTAH.

Hon. WILLIAM R. MERRIAM,
Director of the Census.

SIR: I transmit herewith, for publication in bulletin form, the statistics of manufacturing and mechanical industries for the states of Colorado and Utah for the census year 1900, taken in accordance with the provisions of section 7 of the act of March 3, 1899. This section requires that "The schedules of inquiries relating to the products of manufacturing and mechanical establishments shall embrace the name and location of each establishment; character of organization, whether individual, cooperative, or other form; date of commencement of operations; character of business or kind of goods manufactured; amount of capital invested; number of proprietors, firm members, copartners, or officers, and the amount of their salaries; number of employees, and the amount of their wages; quantity and cost of materials used in manufactures; amount of miscellaneous expenses; quantity and value of products; time in operation during the census year; character and quantity of power used; and character and number of machines employed."

In each of the above particulars the requirements of the law have been observed, but certain of the data thus elicited are reserved for publication in the final volumes.

These statistics were gathered by census enumerators, except for Aspen, Colorado Springs, Cripple Creek, Denver, Leadville, Pueblo, Trinidad, and Victor in Colorado, and Brigham, Lehi City, Logan, Ogden, Park City, Provo City, Salt Lake City, and Springville in Utah. These cities were withdrawn from the enumerators and assigned to special agents, in accordance with the further provision of section 7 of the Census Act. The cities of Colorado Springs, Denver, and Pueblo in Colorado, and Salt Lake City in Utah, each contains a population of 20,000 or more; and the manufacturing statistics of these cities, with the exception of Colorado Springs, are presented in detail by industries and in comparison with the returns of the Eleventh Census. Colorado Springs, not being in the true sense a manufacturing city, only the totals for all its industries are presented in connection with those of the

other cities withdrawn from the enumerators. Wherever the phrase "urban manufactures" is used in this bulletin, it applies only to those cities which were withdrawn from the enumerators and committed to special agents, and only to manufacturing establishments within the corporate limits of such places.

The statistics of Colorado and Utah are presented in tables showing the comparative figures at the several censuses; the industries divided between the hand trades and the manufactures proper, also the statistics of educational and penal institutions, and establishments with a product of less than \$500, which two latter classes were not reported at previous censuses; the totals of the cities of Denver and Pueblo in Colorado at the censuses of 1890 and 1900 as compared with the totals of the state, and the totals of Salt Lake City in Utah at the censuses of 1880, 1890, and 1900; the totals for the industries in cities withdrawn from the enumerators and assigned to special agents, placing them in comparison with the totals for the state and the state exclusive of these cities; the totals for the state by counties; the totals for the state by specified industries; the totals by specified industries for Denver and Pueblo in Colorado, and Salt Lake City in Utah; and the totals for all industries in each of the cities withdrawn from the enumerators, exclusive of those for Denver and Pueblo in Colorado, and Salt Lake City in Utah. For Colorado there is also a comparative table showing the statistics of the 8 leading industries of the state for 1890 and 1900.

Table 1 shows the growth of manufactures in these states; since 1870 in the case of Colorado, and since 1850 in the case of Utah. The manufacturing statistics of the censuses prior to 1850 were too imperfect and fragmentary in character to make it proper to reproduce them in such a table as a measure of industrial growth in the first half of the century. Owing to changes in the method of taking the census, and for other reasons noted in the remarks which accompany each of these tables, comparisons between the figures of earlier and later censuses should be drawn only in a most general way. Nevertheless, the rate

of growth in the manufactures of Colorado and Utah may be fairly inferred from the figures given. Manufactures, though rising rapidly into importance in these states, especially in Colorado, must take second place to the great mining industries of the region. The most important manufacturing industries in each state are the smelting and refining of copper and lead ores, industries so closely identified with mining that their statistics were included in the reports on mining at the censuses of 1880 and 1890.

In drafting the schedules of inquiry for the census of 1900 care was taken to preserve the basis of comparison with prior censuses. Comparison may be made safely with respect to all the items of inquiry except those relating to capital, salaried officials, clerks, etc., and their salaries, the average number of employees, and the total amount of wages paid. Live capital, that is, cash on hand, bills receivable, unsettled ledger accounts, raw materials, stock in process of manufacture, finished products on hand, and other sundries, was first called for at the census of 1890. No definite attempt was made, prior to the census of 1890, to secure a return of live capital invested.

Changes were made in the inquiries relating to employees and wages, in order to eliminate defects found to exist on the form of inquiry adopted in 1890. At the census of 1890 the average number of persons employed during the entire year was called for, and also the average number employed at stated weekly rates of pay, and the average number was computed for the actual time the establishments were reported as being in operation. At the census of 1900 the greatest and least numbers of employees were reported, and also the average number employed during each month of the year. The average number of wage-earners (men, women, and children) employed during the entire year was ascertained by using 12, the number of calendar months, as a divisor into the total of the average numbers reported for each month. This difference in the method of ascertaining the average number of wage-earners during the entire year may have resulted in a variation in the number, and should be considered in making comparisons.

At the census of 1890 the number and salaries of proprietors and firm members actively engaged in the business or in supervision were reported, combined with clerks and other officials. In cases where proprietors and firm members were reported without salaries, the amount that would ordinarily be paid for similar services was estimated. At the census of 1900 only the number of proprietors and firm members actively engaged in the industry or in supervision was ascertained, and no salaries were reported for this class. It is therefore impossible to compare the number and salaries of salaried officials of any character for the two censuses.

Furthermore, the schedules for 1890 included in the wage-earning class, overseers, foremen, and superintendents (not general superintendents or managers), while the census of 1900 separates from the wage-earning class such salaried employees as general superintendents, clerks, and salesmen. It is possible and probable that this change in

the form of the question has resulted in eliminating from the wage-earners, as reported by the present census, many high-salaried employees included in that group for the census of 1890.

The reports show a capital of \$77,476,420 invested in manufactures and mechanical industries in the 4,970 establishments reporting for the 2 states. This sum represents the value of land, buildings, machinery, tools, and implements, and the live capital utilized, but does not include the capital stock of any of the manufacturing corporations of these states. The value of the products is returned at \$124,045,920, to produce which involved an outlay of \$2,838,645 for salaries of officials, clerks, etc.; \$18,535,037 for wages; \$5,098,808 for miscellaneous expenses, including rent, taxes, etc.; and \$79,798,720 for materials used, mill supplies, freight, and fuel. It is not to be assumed, however, that the difference between the aggregate of these sums and the value of the products is, in any sense, indicative of the profits in the manufacture of the products during the census year. The census schedule takes no cognizance of the cost of selling manufactured articles, or of interest on capital invested, or of the mercantile losses incurred in the business, or of depreciation in plant. The value of the products given is the value as obtained or fixed at the shop or factory. This statement is necessary in order to avoid erroneous conclusions from the figures presented.

The value of products for the states, \$124,045,920, is the gross value, and not the net or true value. The difference between these two should be carefully noted. The gross value is found by adding the values of products in the separate establishments. But the finished product of one establishment is often the raw material for another. In such cases the value of the former reappears in the latter and thus the original cost of certain materials may be included several times in the gross value. The net or true value is found by subtracting from the gross value the value of all materials purchased in a partly manufactured form. In this way the duplications in the gross value are eliminated.

At the census of 1890 the schedule was so framed that it was impossible to find the net or true value. In the present census the schedule asked for the value of the materials in two classes, those purchased in the crude state and those purchased in the partly manufactured form. From the answers to these questions the net or true value of products may be computed. Thus, in these states, the gross value of products for 1900 was \$124,045,920. The value of materials purchased in a partly manufactured form was \$22,663,571. The difference between them, \$101,382,349, is the net or true value of products, and represents the increase in the value of raw materials resulting from the various processes of manufacture.

Very respectfully,


Chief Statistician for Manufactures.

COLORADO.

Colorado was organized as a territory in 1861 out of parts of Utah, New Mexico, Kansas, and Nebraska; and the Ninth Census (1870) was the first census in which the statistics for manufactures were published separately.

Table 1 shows the manufacturing and mechanical industries of the state as returned at the censuses of 1870 to 1900, inclusive, with the percentages of increase for each

decade. This table also presents the average number of wage-earners employed by manufacturing establishments, in comparison with the total population of the state, and the value of the land and buildings owned and reported by manufacturers as capital, in comparison with the assessed value of all real estate and improvements.

TABLE 1.—COMPARATIVE SUMMARY, 1870 TO 1900, WITH PER CENT OF INCREASE FOR EACH DECADE.

| | DATE OF CENSUS. | | | | PER CENT OF INCREASE. | | |
|--|-----------------|---------------|------------------|------------------|-----------------------|--------------------|--------------------|
| | 1900 | 1890 | 1880 | 1870 | 1890 to 1900 | 1880 to 1890 | 1870 to 1880 |
| Number of establishments | 3,570 | 1,518 | 599 | 256 | 135.2 | 153.4 | 184.0 |
| Capital | \$62,826,472 | \$26,651,840 | \$4,811,714 | \$2,885,605 | 135.7 | 518.1 | 52.1 |
| Salaries of officials, clerks, etc., number | 2,052 | 12,061 | (²) | (²) | (²) | | |
| Salaries | \$2,272,480 | \$2,418,329 | (²) | (²) | 45.8 | | |
| Wage-earners, average number | 24,725 | 15,016 | 5,074 | 876 | 64.7 | 135.9 | 479.2 |
| Total wages | \$15,146,667 | \$9,872,405 | \$2,814,427 | \$528,221 | 58.4 | 326.6 | 338.2 |
| Men, 16 years and over | 22,588 | 13,521 | 4,652 | 874 | 67.1 | 190.6 | 432.3 |
| Wages | \$14,425,442 | \$9,309,281 | (²) | (²) | 65.0 | | |
| Women, 16 years and over | 1,894 | 1,223 | 266 | 2 | 54.9 | 359.8 | 13,200.0 |
| Wages | \$671,589 | \$512,263 | (²) | (²) | 31.1 | | |
| Children, under 16 years | 243 | 272 | 156 | | 410.7 | 74.4 | |
| Wages | \$49,686 | \$50,861 | (²) | | 42.8 | | |
| Miscellaneous expenses | \$4,169,635 | \$1,948,025 | (²) | (²) | 114.0 | | |
| Cost of materials used | \$66,886,016 | \$20,848,516 | \$8,806,762 | \$1,693,280 | 220.8 | 186.7 | 452.7 |
| Value of products, including custom work and repairing | \$102,830,187 | \$42,480,205 | \$14,260,159 | \$2,882,820 | 142.1 | 197.9 | 399.9 |
| Total population | 538,555 | 412,198 | 194,327 | 89,864 | 30.7 | 112.1 | 887.5 |
| Wage-earners engaged in manufactures | 24,725 | 15,016 | 5,074 | 876 | 64.7 | 195.9 | 479.2 |
| Per cent of total population | 4.6 | 3.6 | 2.6 | 2.2 | | | |
| Assessed value of real estate | \$172,800,686 | \$155,388,090 | \$35,604,197 | \$8,840,811 | 11.2 | 336.4 | 802.7 |
| Value of land and buildings invested in manufactures | \$21,778,742 | \$5,694,201 | (²) | (²) | 225.3 | | |
| Per cent of assessed value | 12.6 | 4.8 | | | | | |

¹ Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 7.)

² Not reported separately.

³ Less than one-tenth of 1 per cent.

⁴ Decrease.

⁵ Not reported.

⁶ Exclusive of 1,145 Indians and other persons on Indian reservations, which classes were not included at previous censuses.

⁷ From the biennial report of the auditor of Colorado, 1900.

⁸ Does not include the value of rented property.

Table 2 divides the industries of the state between the hand trades and the manufactures proper. This table also gives the statistics for penal institutions, and estab-

lishments with a product of less than \$500; these were not reported at previous censuses, and therefore are omitted from the other tables and their use confined to Table 2.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

| CLASSES. | Num- ber of estab- lish- ments. | Capital. | Propri- etors and firm mem- bers. | WAGE-EARNERS. | | Miscella- neous expenses. | COST OF MATERIALS USED. | | | | Value of products, including custom work and repairing. |
|---|---|--------------|--|------------------------------|-----------------|---------------------------------|-------------------------|-------------------------------|--|---------------------------|--|
| | | | | Aver- age num- ber. | Total wages. | | Total. | Purchased in raw state. | Purchased in partially manufac- tured form. | Fuel, freight, etc. | |
| Total | 3,865 | \$62,937,851 | 3,974 | 24,792 | \$15,150,767 | \$4,194,858 | \$66,917,828 | \$14,354,396 | \$18,666,091 | \$3,896,836 | \$102,917,750 |
| Hand trades ¹ | 1,778 | \$3,810,193 | 1,979 | 4,777 | \$3,096,888 | 863,289 | 4,706,547 | 43,233 | 4,459,484 | 208,830 | 11,190,642 |
| Penal institutions | 3 | 1,850 | | 23 | | | 3,495 | | 3,495 | | 8,125 |
| Establishments with a product of less than \$500 | 232 | 110,529 | 307 | 44 | 4,100 | 25,223 | 27,812 | 1,229 | 26,544 | 89 | 79,488 |
| All other establishments | 1,792 | \$9,516,279 | 1,688 | 19,948 | \$12,049,779 | \$3,806,346 | \$62,178,409 | \$44,309,934 | \$14,176,568 | \$3,692,967 | \$91,689,495 |

¹ Includes bicycle and tricycle repairing, 127; blacksmithing and wheelwrighting, 346; boots and shoes, custom work and repairing, 224; carpentering, 174; clothing, men's, custom work and repairing, 219; clothing, women's, dressmaking, 75; dyeing and cleaning, 24; furniture, cabinetmaking, repairing, and upholstering, 35; lock and gun smithing, 19; masonry, brick and stone, 84; millinery, custom work, 108; painting, house, sign, etc., 100; paperhanging, 10; plastering and stuccowork, 16; plumbing, and gas and steam fitting, 108; sewing machine repairing, 4; taxidermy, 11; typewriter repairing, 4; watch, clock, and jewelry repairing, 140.

In addition to the 3,865 active establishments in the state during the census year, with a capital of \$62,937,351, shown in Table 2, there were 13 idle establishments, with a capital of \$1,721,775. Of these establishments, 2, with a capital of \$15,450, were reported for the manufacture of brick and tile; 3, with a capital of \$17,900, for the manufacture of coke; 3, with a capital of \$108,550, for the manufacture of flouring and grist mill products; and 1, with a capital of \$1,575,000, for the manufacture of paper. The remaining idle capital, amounting to \$9,875, was invested in comparatively small establishments reported for various industries.

Of the 3,865 establishments of all classes, shown in Table 2, 2,070, or 53.6 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than \$500." The value of the product for these establishments, consisting principally of the sums received for custom work and repairing, amounted to \$11,270,180, or only 11 per cent of the total products of the state.

Colorado is essentially a mining state, with stock raising and agriculture ranking next in importance. Only 4.6 per cent of the population is reported as wage-earners in manufacturing establishments. Table 1 indicates, however, that there was a steady increase in the manufacturing industries of the state during the thirty years ending with 1900. The total population of the state in 1870 was 39,864, and in 1900, 538,555, an increase of 498,691, or 1,251 per cent. The average number of wage-earners employed in manufacturing establishments has increased from 876 in 1870 to 24,725 in 1900, or 2,722.5 per cent, embracing in 1900 4.6 per cent of the entire population. The greatest number of wage-earners employed in manu-

factures at any one time during the year was 34,641, or 6.4 per cent of the total population, and this percentage is a more accurate indication of the proportion so employed.

The apparent rapid increase during the last decade is very largely due to the inclusion of the smelting and refining industry as a form of manufacturing in 1900. At the censuses of 1880 and 1890 this industry was treated as a branch of mining. In 1870, the report on manufactures included 15 establishments, with a product valued at \$769,324, engaged in milling quartz, an industry not included in these reports since that time. If, for purposes of comparison, the product of copper and lead smelting and refining be deducted from the total for 1900, the product for the state will amount to \$58,204,832, or an increase of 37 per cent during the last decade.

The situation of Colorado in the center of the states of the Rocky Mountain region has been favorable to the growth of its manufactures. The city of Denver is the great railroad and distributing center for these states, and this has materially assisted in the development of industries producing supplies to meet the demand of the district. In the case of all articles where freight charges are an important element of the cost, local manufacturers have been further favored as against their eastern competitors, by the distance of Colorado from the older manufacturing states of the country, and the absence of water communication. The state has also abundant fuel for use in manufactures, ranking ninth in the country in the production of coal in 1899.¹

Comparative statistics for the 8 leading industries in Colorado are presented in Table 3.

¹ Production of Coal in 1899, page 38. (Extract from the Annual Report of the Geological Survey, 1899-1900, Part VI.)

TABLE 3.—COMPARATIVE SUMMARY OF EIGHT LEADING INDUSTRIES.

| INDUSTRIES. | Year. | Number of establishments. | Capital. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | Value of products, including custom work and repairing. |
|---|-------|---------------------------|--------------|-----------------|--------------|-------------------------|-------------------------|---|
| | | | | Average number. | Total wages. | | | |
| Total for selected industries for state | 1900 | 633 | \$17,987,096 | 8,261 | \$5,063,651 | \$1,781,701 | \$12,939,684 | \$23,664,719 |
| | 1890 | 403 | 10,784,747 | 5,236 | 3,553,979 | 841,150 | 8,769,691 | 16,064,081 |
| Increase, 1890 to 1900 | | 230 | 7,202,349 | 3,005 | 1,449,672 | 940,551 | 3,569,993 | 7,600,638 |
| Per cent of increase | | 57.1 | 66.8 | 57.2 | 40.8 | 111.8 | 40.7 | 47.3 |
| Per cent of total of all industries in state | 1900 | 17.7 | 28.6 | 33.4 | 33.0 | 42.7 | 18.4 | 23.0 |
| | 1890 | 26.5 | 40.5 | 35.0 | 36.0 | 43.2 | 42.1 | 37.8 |
| Cars and general shop construction and repairs by steam railroad companies. | 1900 | 29 | 1,681,800 | 2,687 | 1,676,500 | 38,863 | 1,278,239 | 3,141,602 |
| | 1890 | 10 | 1,551,311 | 1,366 | 1,023,809 | | 894,030 | 1,965,696 |
| Coke | 1900 | 9 | 928,874 | 406 | 226,454 | 38,446 | 527,558 | 1,213,561 |
| | 1890 | 7 | 594,363 | 217 | 161,665 | 1,360 | 408,133 | 673,479 |
| Flouring and grist mill products | 1900 | 63 | 2,040,774 | 278 | 169,358 | 131,790 | 3,842,194 | 4,528,062 |
| | 1890 | 33 | 2,135,085 | 246 | 149,551 | 123,540 | 3,155,919 | 3,898,166 |
| Foundry and machine shop products | 1900 | 77 | 2,853,181 | 1,823 | 1,125,432 | 294,925 | 1,647,102 | 3,986,915 |
| | 1890 | 31 | 1,823,691 | 761 | 588,021 | 84,193 | 705,030 | 1,792,619 |
| Liquors, malt | 1900 | 14 | 5,652,204 | 323 | 256,764 | 835,518 | 375,893 | 2,042,833 |
| | 1890 | 11 | 1,917,050 | 236 | 214,407 | 252,021 | 555,149 | 1,601,138 |
| Lumber and timber products | 1900 | 159 | 972,088 | 732 | 331,038 | 27,322 | 854,454 | 1,627,605 |
| | 1890 | 120 | 941,561 | 1,156 | 392,010 | 64,597 | 647,058 | 1,308,749 |
| Printing and publishing | 1900 | 278 | 2,556,080 | 1,800 | 1,078,595 | 430,871 | 785,099 | 3,561,754 |
| | 1890 | 187 | 1,431,506 | 1,177 | 968,689 | 282,305 | 579,013 | 2,641,174 |
| Slaughtering and meat packing, wholesale | 1900 | 7 | 1,232,075 | 212 | 139,510 | 43,965 | 3,029,085 | 3,562,857 |
| | 1890 | 4 | 310,150 | 77 | 55,824 | 29,640 | 1,825,249 | 2,128,030 |

The leading industries for which statistics are shown in Table 8, are only those for which comparable data could be obtained for 1890, and they represent 17.7 per cent of the total number of establishments, used 28.6 per cent of the total capital, gave employment to 33.4 per cent of all wage-earners, and paid 33 per cent of the total wages, and the value of their product formed 23 per cent of the total product. In all particulars the totals for these leading industries constituted a smaller per cent of the totals of the state in 1900 than in 1890. This is due to the inclusion of smelting and refining in 1900, and to the increase in the manufacture of iron and steel and in the less important industries. The smelting and refining of copper and lead was treated as a branch of mining in 1890, and comparative statistics are not available. This industry gave employment to 3,726 wage-earners in 1900, and was the most important in the state according to the value of its products, \$44,625,305. This product includes gold and silver, as well as copper and lead, and the value of the precious metals forms the greater part of the total value reported.

The 3 establishments engaged in the smelting of copper ore reported the fine copper contents of mattes as amounting to 21,212,797 pounds, valued at \$1,093,791. The product of silver amounted to 728,334 fine ounces, valued at \$428,493, and of gold to 71,396 fine ounces, valued at \$1,470,750. The smelting of lead was confined to argentiferous ores, and the lead contents of the base bullion amounted to 219,304,385 pounds, valued at \$8,613,296. The silver product of the lead smelters amounted to 24,464,621 fine ounces, valued at \$14,680,889, and the gold to 760,240 fine ounces, valued at \$15,194,872. The product of the refining and desilverizing of the hard or antimonial lead amounted to 1,402,948 pounds, valued at \$59,156, and of all other lead, including Doré bars, amounted to 42,723,944 pounds, valued at \$1,822,735. The contents of the precious metals contained in Doré bars mounted to 5,769,336 fine ounces of silver, valued at \$3,429,993, and of gold to 234,763 fine ounces, valued at \$4,852,376. "Dry ores" of the precious metals are now usually smelted in combination with lead ores, for it has been found that they can be treated more economically in this way than in any other. The abundant lead ores of the state, nearly one-third of the country's production in 1899,¹ are used for this purpose, but the state's production of ores of the precious metal is so great—surpassing that of any other state in the country²—that it has been necessary to bring in large quantities of lead ores from other mining states to assist in smelting ores of gold and silver, as well as to make use of the fuel of the state. Colorado has thus become the great smelting state of the country, the value of the product of its lead smelters and refineries constituting 23.2 per cent of the value of the product of the United States.

The manufacture of iron and steel stands next in im-

portance to the smelting of ores. There were only two establishments reported for the industry in 1890, and the statistics were included in the group of "All other industries;" therefore, comparative data can not be given. This industry gave employment to 1,414 wage-earners during 1900, and the finished products were valued at \$6,108,295. These products included 112,843 tons of pig iron, 129,133 tons of Bessemer steel ingots, 84,670 tons of steel rails, and 25,882 tons of iron and steel bars and rods. The importance of the iron and steel industry in Colorado is due largely to the abundant local supply of raw materials. The coal production of the state in 1899—4,776,224 short tons—exceeded that of any other state west of the Mississippi, with the exception of Iowa, while the production of iron ore during the same year, 307,557 long tons, was three times the combined production of all the other states west of the Mississippi with the exception of Minnesota.³ The further manipulation of iron and steel in the foundry and machine shops of the state constitutes an industry which gave employment to 1,823 wage-earners in 1900, and whose product was valued at \$3,986,915. This industry is affected very considerably by the extensive mining operations of the state, for a large part of the work in these machine shops is the manufacture of mining machinery. Many establishments make this a specialty, and their machines are used in mines in all parts of the United States and even in foreign countries. Allied also to the preceding industries is the construction and repair shop work of steam railroads. This industry, with 2,687 wage-earners and a product valued at \$3,141,602, reflects the great railroad interests of the state.

The manufacture of coke, made possible by the large coal production of the state, has been further stimulated by the demand for this product for smelting purposes. During the year 1899, 503,543 short tons of coke were manufactured, and the entire product was valued at \$1,213,561. The manufacture of malt liquors, with 323 wage-earners and a product valued at \$2,042,833, and the flour-milling industry, with 278 wage-earners and a product valued at \$4,528,062, have both been stimulated by the increasing production of cereals within the state. The wheat crop for 1900 exceeded 7,000,000 bushels, while the crop for 1890 was less than 3,000,000 bushels.⁴

The importance of the slaughtering and meat-packing industry, with 212 wage-earners and a product valued at \$3,562,357, reflects the position of Denver as the stock market for the great stock-raising region of the Rocky Mountains. Cattle are received from all the states of this region, and Colorado reported over 1,000,000 cattle of its own in 1899.⁵ In addition to these leading industries attention is called to 2 others, fruit canning and the manufacture of beet sugar, which are included only in Table 6. Fruit canning gave employment to 203 wage-earners in 1900, and had a product valued at \$343,394. The industry

¹ Production of Lead in 1899, page 9. (Extract from the Annual Report of the Geological Survey, 1899-1900, Part VI.)

² Production of Gold and Silver in 1899, page 127. (Extract from the Annual Report of the Geological Survey, 1899-1900, Part VI.)

³ The Production of Coal in 1899, page 38, and the Production of Iron Ore in 1899, page 8. (Extracts from the Annual Report of the Geological Survey, 1899-1900, Part VI.)

⁴ Year Book of the Department of Agriculture, 1900, page 707, and Abstract of the Eleventh Census, page 114.

⁵ Year Book of the Department of Agriculture, 1899, page 819.

first appears in census reports in 1900, and has been made possible by the increasing success of horticulture in the state as a result of the extensive irrigation of recent years. The manufacture of beet sugar was begun in Colorado in 1899, and although but one establishment was reported for the census year, other new establishments, with greater capacities, stood ready to use the beet crop of 1900 as soon as it was harvested.¹

¹ Seventh Biennial Report of the Bureau of Labor Statistics, Colorado, 1899-1900, page 383.

URBAN MANUFACTURES.

The statistics for Denver and Pueblo were published separately at the census of 1890, and Table 4 is a comparative summary, presenting the totals for each of the 2 cities, together with the per cent of increase during the decade, and also the per cent that the totals for these 2 cities formed of the total for the entire state at the two censuses.

TABLE 4.—COMPARATIVE SUMMARY, DENVER AND PUEBLO, 1890 AND 1900, WITH PER CENT OF INCREASE.

| | Year. | Number of establishments. | Capital. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | Value of products, including custom work and repairing. |
|--|-------|---------------------------|--------------|-----------------|--------------|-------------------------|-------------------------|---|
| | | | | Average number. | Total wages. | | | |
| The State..... | 1900 | 8,570 | \$62,825,472 | 24,725 | \$15,146,667 | \$4,169,635 | \$66,886,016 | \$102,830,137 |
| | 1890 | 1,518 | 26,651,840 | 15,016 | 9,872,405 | 1,948,025 | 20,848,516 | 42,480,235 |
| Per cent of increase..... | | 185.2 | 135.7 | 64.7 | 53.4 | 114.0 | 220.8 | 142.1 |
| Denver..... | 1900 | 1,474 | 30,883,046 | 10,926 | 6,824,003 | 2,409,785 | 24,572,199 | 41,368,698 |
| | 1890 | 762 | 16,811,868 | 9,283 | 6,653,585 | 1,340,868 | 14,216,549 | 29,240,747 |
| Per cent of increase..... | | 93.4 | 83.7 | 17.7 | 2.6 | 79.7 | 72.8 | 41.5 |
| Pueblo..... | 1900 | 241 | 12,374,248 | 4,911 | 3,044,280 | 577,501 | 22,589,669 | 30,795,481 |
| | 1890 | 102 | 1,278,792 | 937 | 629,769 | 92,792 | 999,966 | 2,374,631 |
| Per cent of increase..... | | 135.3 | 867.6 | 424.1 | 383.4 | 522.4 | 2,159.0 | 1,196.0 |
| Total for the 2 cities..... | 1900 | 1,715 | 43,257,294 | 15,837 | 9,868,283 | 3,987,286 | 47,161,868 | 72,164,179 |
| | 1890 | 864 | 18,090,650 | 10,220 | 7,283,344 | 1,433,660 | 15,216,515 | 31,615,378 |
| Per cent of increase..... | | 98.5 | 139.1 | 55.0 | 35.5 | 178.1 | 209.9 | 128.3 |
| Per cent of 2 cities to total for state..... | 1900 | 48.0 | 68.9 | 64.1 | 65.2 | 95.6 | 70.5 | 70.2 |
| | 1890 | 56.9 | 87.9 | 68.1 | 73.8 | 73.6 | 73.0 | 74.4 |

As shown in Table 4 there has been an increase during the last decade in the manufactures of the 2 principal cities of the state. In certain particulars, however, the increase shown for the city of Denver is only apparent, due to the inclusion of the smelting and refining of ores in 1900, which industries were not included in the manufacturing statistics at the census of 1890. Exclusive of these industries, the value of the products for 1900, as compared with 1890, shows a decrease for Denver of 5.5 per cent, and for the entire state an increase of 37 per cent. Mr. Frank S. Tesch, the chief special agent for Denver, states in explanation of the decrease in Denver, as compared with the increase in the entire state, that 1890 was a year of exceptional prosperity in that city; rents and the value of real estate were high, and there was great activity in building operations. Business depression in subsequent years of the decade seriously affected manufacturing industries, especially the building trades.

Table 4 shows a large increase in the manufacturing industries of the city of Pueblo. This is, however, quite largely due to the inclusion of the lead smelting and refining industry in 1900. Exclusive of this industry, the value of the products for 1900 amounted to \$10,965,932 as compared with \$2,374,631 in 1890, an increase of 361.8 per cent during the decade. This increase was chiefly in the manufacture of iron and steel.

There were 1,474 establishments in Denver in 1900, or 41.3 per cent of the entire number located within the state. These establishments had a combined capital amounting to \$30,883,046, or 49.2 per cent of all the capital employed in the state. Of the wage-earners 10,926, or 44.2 per cent of all in the state were employed in Denver. The total amount of wages paid in the city amounted to \$6,824,003, or 45.1 per cent of all wages paid in the state. The value of products, including custom work and repairing, during 1900 was \$41,368,698, or 40.2 per cent of the total products of the state, while the combined value of the products of Denver and Pueblo amounted to \$72,164,179, or 70.2 per cent of the total products of the state.

Table 5 shows the totals for the manufacturing and mechanical industries of the 8 cities withdrawn from the enumerators, and places them in comparison with the totals for the entire state and the state exclusive of these cities. Of the 3,570 establishments in the state, 2,325, or 65.1 per cent, are located in these 8 cities. The capital reported for these establishments is \$49,443,404, or 78.7 per cent of that of the entire state. They furnished employment to 19,113 wage-earners, or 77.3 per cent of the total number, paid \$12,037,500 in wages, or 79.5 per cent of the total amount, and the value of their products, \$83,667,967, formed 81.4 per cent of the total for the state.

TABLE 5.—URBAN MANUFACTURES.

| | Number of establishments. | Capital. | Proprietors and firm members. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | Value of products, including custom work and repairing. |
|--|---------------------------|--------------|-------------------------------|-----------------|--------------|-------------------------|-------------------------|---|
| | | | | Average number. | Total wages. | | | |
| Total for state..... | 3,570 | \$62,825,472 | 3,667 | 24,725 | \$15,146,667 | \$4,169,635 | \$66,856,016 | \$102,830,137 |
| Total for urban manufactures..... | 2,325 | 49,443,404 | 2,344 | 19,113 | 12,037,500 | 3,512,056 | 54,528,519 | 83,667,967 |
| Aspen..... | 53 | 104,675 | 50 | 63 | 41,933 | 12,663 | 87,084 | 203,447 |
| Colorado Springs..... | 189 | 1,449,189 | 180 | 822 | 489,337 | 292,069 | 708,527 | 1,843,642 |
| Cripple Creek..... | 127 | 342,256 | 137 | 406 | 336,691 | 64,471 | 714,016 | 1,417,646 |
| Denver..... | 1,474 | 30,883,046 | 1,461 | 10,826 | 6,324,003 | 2,408,735 | 24,572,199 | 41,368,698 |
| Leadville..... | 115 | 8,632,766 | 119 | 1,876 | 854,695 | 94,829 | 5,061,979 | 3,435,680 |
| Pueblo..... | 241 | 12,874,245 | 217 | 4,511 | 3,044,280 | 577,501 | 22,689,000 | 33,795,481 |
| Trinidad..... | 87 | 481,161 | 101 | 529 | 202,422 | 79,361 | 258,212 | 579,649 |
| Victor..... | 69 | 175,773 | 79 | 281 | 244,893 | 70,807 | 460,833 | 922,521 |
| Total for state, exclusive of urban manufactures..... | 1,245 | 13,882,068 | 1,323 | 5,612 | 3,109,167 | 657,579 | 12,357,497 | 19,162,170 |
| Per cent of urban manufactures to total for state..... | 65.1 | 78.7 | 63.9 | 77.3 | 79.5 | 84.2 | 81.5 | 81.4 |

Table 6 shows the totals for the state by counties.

Table 7 shows the totals for the state by specified industries.

Table 8 shows the totals for the cities of Denver and Pueblo by specified industries.

Table 9 shows the totals for all industries in the cities withdrawn from the enumerators, exclusive of those shown in Table 8.

TABLE 6.—MANUFACTURES

[No manufactures reported]

| COUNTIES AND MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of establishments. | CAPITAL. | | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|---|---------------------------|--------------|-------------|--------------|------------------------------------|--------------------|----------|-------------------------------|----------------------------------|------------------|---|--|
| | | Total. | Land. | Buildings. | Machinery, tools, and imple-ments. | Cash and sundries. | Num-ber. | | Salaries. | Total. | | |
| | | | | | | | | | | Average num-ber. | Wages. | |
| 1 The State..... | 3,570 | \$62,825,472 | \$3,796,070 | \$15,977,672 | \$21,494,888 | \$19,556,842 | 3,667 | 2,052 | \$2,272,480 | 24,725 | \$15,146,667 | |
| 2 Arapahoe..... | 1,518 | 83,556,944 | 3,185,015 | 8,541,430 | 11,079,414 | 10,751,085 | 1,498 | 1,186 | 1,829,525 | 11,694 | 7,177,659 | |
| 3 Archuleta..... | 5 | 19,885 | 355 | 1,700 | 16,550 | 1,400 | 4 | 1 | 225 | 17 | 7,567 | |
| 4 Bent..... | 16 | 37,250 | 2,200 | 6,900 | 10,175 | 11,925 | 19 | 34 | 85,476 | 18 | 13,136 | |
| 5 Boulder..... | 137 | 982,190 | 147,562 | 185,830 | 256,735 | 392,033 | 143 | 21 | 27,829 | 448 | 213,669 | |
| 6 Chaffee..... | 19 | 318,726 | 81,200 | 122,440 | 67,371 | 67,715 | 24 | 21 | 27,829 | 451 | 265,851 | |
| 7 Clear Creek..... | 42 | 99,880 | 20,110 | 13,540 | 26,550 | 30,730 | 50 | 9 | 12,808 | 80 | 20,022 | |
| 8 Conejos..... | 13 | 100,087 | 6,675 | 37,100 | 31,675 | 24,587 | 13 | 5 | 5,450 | 96 | 57,338 | |
| 9 Costilla..... | 5 | 84,566 | 1,100 | 12,150 | 12,300 | 59,016 | 2 | 2 | 930 | 15 | 9,028 | |
| 10 Custer..... | 16 | 82,945 | 920 | 11,835 | 10,975 | 9,215 | 21 | 2 | 930 | 13 | 6,044 | |
| 11 Delta..... | 28 | 63,186 | 4,310 | 11,975 | 22,010 | 44,891 | 31 | 2 | 2,028 | 28 | 15,040 | |
| 12 Dolores..... | 4 | 18,050 | 1,300 | 2,650 | 12,200 | 2,500 | 6 | 1 | 320 | 12 | 2,555 | |
| 13 Douglas..... | 16 | 47,700 | 20,625 | 6,875 | 12,050 | 7,850 | 17 | 4 | 2,774 | 45 | 18,475 | |
| 14 Eagle..... | 8 | 28,190 | 4,060 | 5,850 | 7,130 | 11,150 | 8 | 2 | 2,300 | 47 | 27,876 | |
| 15 Elbert..... | 9 | 12,860 | 1,840 | 6,950 | 3,880 | 1,720 | 9 | 1 | 700 | 6 | 1,970 | |
| 16 El Paso..... | 195 | 1,920,771 | 398,111 | 294,888 | 685,745 | 551,027 | 214 | 126 | 94,838 | 1,152 | 680,877 | |
| 17 Fremont..... | 57 | 1,336,900 | 480,663 | 168,530 | 390,343 | 297,364 | 62 | 27 | 44,168 | 368 | 190,538 | |
| 18 Garfield..... | 84 | 267,227 | 6,775 | 37,187 | 161,955 | 62,310 | 40 | 5 | 4,953 | 105 | 60,825 | |
| 19 Gilpin..... | 47 | 148,042 | 14,300 | 16,300 | 47,917 | 68,805 | 57 | 1 | 1,400 | 121 | 80,841 | |
| 20 Grand..... | 4 | 5,275 | 210 | 315 | 2,300 | 1,950 | 4 | 1 | 2,028 | 1 | 125 | |
| 21 Gunnison..... | 27 | 152,330 | 5,210 | 9,240 | 107,204 | 30,676 | 28 | 2 | 2,028 | 95 | 49,246 | |
| 22 Hinsdale..... | 12 | 24,875 | 2,100 | 4,750 | 9,225 | 8,300 | 12 | 13 | 17,767 | 12 | 6,830 | |
| 23 Huerfano..... | 20 | 40,930 | 3,775 | 11,940 | 17,635 | 7,580 | 23 | 2 | 600 | 14 | 6,565 | |
| 24 Jefferson..... | 80 | 577,250 | 99,760 | 153,222 | 170,675 | 142,595 | 22 | 1 | 17,767 | 124 | 79,630 | |
| 25 Kit Carson..... | 8 | 15,195 | 3,125 | 7,955 | 3,525 | 595 | 2 | 1 | 600 | 8 | 1,100 | |
| 26 Lake..... | 110 | 4,498,000 | 186,176 | 1,236,358 | 1,942,417 | 1,183,054 | 121 | 64 | 104,421 | 1,584 | 1,026,548 | |
| 27 La Plata..... | 42 | 1,508,550 | 78,382 | 433,232 | 602,270 | 394,657 | 37 | 29 | 42,132 | 346 | 224,939 | |
| 28 Larimer..... | 86 | 395,932 | 36,202 | 85,366 | 127,180 | 147,184 | 98 | 22 | 6,020 | 106 | 52,357 | |
| 29 Las Animas..... | 106 | 1,197,692 | 62,771 | 176,440 | 359,392 | 299,089 | 116 | 42 | 45,698 | 690 | 886,851 | |
| 30 Logan..... | 11 | 17,196 | 2,255 | 3,950 | 5,075 | 3,915 | 11 | 15 | 20,295 | 7 | 8,355 | |
| 31 Mesa..... | 52 | 620,283 | 35,900 | 145,050 | 381,988 | 54,345 | 64 | 15 | 20,295 | 255 | 142,702 | |
| 32 Mineral..... | 28 | 40,507 | 2,150 | 7,110 | 13,457 | 17,793 | 25 | 1 | 1,200 | 26 | 18,880 | |
| 33 Montezuma..... | 8 | 97,715 | 14,175 | 13,750 | 42,405 | 27,385 | 8 | 5 | 4,700 | 65 | 37,900 | |
| 34 Montrose..... | 6 | 36,794 | 6,440 | 1,350 | 10,335 | 18,669 | 6 | 1 | 600 | 23 | 11,775 | |
| 35 Morgan..... | 21 | 16,997 | 1,135 | 4,825 | 5,625 | 5,562 | 25 | 1 | 400 | 17 | 6,496 | |
| 36 Otero..... | 43 | 290,460 | 24,750 | 93,700 | 91,457 | 83,553 | 42 | 14 | 12,635 | 356 | 189,672 | |
| 37 Ouray..... | 10 | 44,425 | 950 | 4,200 | 3,825 | 35,450 | 8 | 2 | 2,100 | 36 | 29,557 | |
| 38 Park..... | 22 | 120,816 | 40,472 | 9,115 | 36,225 | 36,004 | 27 | 7 | 5,564 | 93 | 45,980 | |
| 39 Phillips..... | 5 | 15,394 | 500 | 10,375 | 3,080 | 1,439 | 4 | 1 | 1,200 | 8 | 4,855 | |
| 40 Pitkin..... | 59 | 138,285 | 11,325 | 23,390 | 45,875 | 55,195 | 56 | 4 | 2,878 | 94 | 55,222 | |
| 41 Prowers..... | 22 | 132,896 | 4,550 | 16,740 | 26,270 | 85,336 | 22 | 2 | 2,100 | 36 | 13,945 | |
| 42 Pueblo..... | 245 | 12,376,228 | 754,007 | 3,807,175 | 8,878,485 | 3,935,561 | 221 | 323 | 370,488 | 4,911 | 3,046,752 | |
| 43 Rio Blanco..... | 8 | 29,438 | 2,000 | 4,300 | 13,088 | 10,050 | 8 | 1 | 400 | 9 | 4,425 | |
| 44 Rio Grande..... | 17 | 90,054 | 3,179 | 13,800 | 34,255 | 33,629 | 18 | 3 | 3,400 | 69 | 85,136 | |
| 45 Routt..... | 20 | 40,780 | 3,390 | 10,335 | 18,270 | 8,785 | 23 | 2 | 400 | 26 | 13,817 | |
| 46 Saguache..... | 5 | 14,150 | 1,600 | 3,850 | 7,450 | 1,250 | 6 | 2 | 2,100 | 8 | 2,400 | |
| 47 San Juan..... | 9 | 51,930 | 1,750 | 11,800 | 12,175 | 26,205 | 11 | 6 | 5,200 | 24 | 24,472 | |
| 48 San Miguel..... | 32 | 174,785 | 30,387 | 22,878 | 72,570 | 42,950 | 34 | 8 | 2,035 | 68 | 49,428 | |
| 49 Sedgwick..... | 9 | 7,875 | 462 | 1,500 | 3,878 | 2,035 | 8 | 1 | 72 | 3 | 1,615 | |
| 50 Summit..... | 12 | 24,334 | 675 | 3,150 | 10,220 | 10,289 | 12 | 1 | 72 | 9 | 5,805 | |
| 51 Teller..... | 216 | 595,085 | 71,095 | 70,768 | 151,573 | 201,659 | 243 | 47 | 42,756 | 790 | 635,697 | |
| 52 Washington..... | 5 | 20,022 | 750 | 9,500 | 2,820 | 6,952 | 4 | 1 | 1,200 | 8 | 3,976 | |
| 53 Weld..... | 86 | 293,143 | 19,700 | 68,335 | 109,585 | 95,520 | 90 | 12 | 11,190 | 124 | 62,172 | |
| 54 Yuma..... | 4 | 11,471 | 435 | 2,100 | 7,305 | 1,631 | 4 | 2 | 1,395 | 2 | 827 | |
| 55 All other counties ¹ | 6 | 10,160 | 1,400 | 3,600 | 2,510 | 2,350 | 3 | 2 | 1,395 | 22 | 12,959 | |

¹ Includes establishments distributed as follows: Cheyenne, 2; Kiowa, 2; Lincoln, 2.

TABLE 7.—MANUFACTURES BY

| | | | | | | | | | | | |
|---|-------|--------------|-------------|--------------|--------------|--------------|-------|-------|-------------|--------|--------------|
| 1 All Industries..... | 3,570 | \$62,825,472 | \$3,796,070 | \$15,977,672 | \$21,494,888 | \$19,556,842 | 3,667 | 2,052 | \$2,272,480 | 24,725 | \$15,146,667 |
| 2 Awning, tents, and sails..... | 7 | 102,045 | 1,675 | 4,250 | 12,401 | 89,584 | 8 | 5 | 6,040 | 62 | 30,983 |
| 3 Bicycle and tricycle repairing..... | 127 | 115,342 | 11,257 | 108,578 | 54,629 | 54,788 | 147 | 2 | 5,850 | 97 | 63,546 |
| 4 Blacksmithing and wheelwrighting..... | 346 | 487,802 | 11,257 | 108,578 | 77,765 | 189,702 | 402 | 8 | 1,465 | 303 | 213,449 |
| 5 Bookbinding and blank book making..... | 5 | 34,350 | 10,230 | 19,650 | 13,900 | 20,460 | 4 | 7 | 3,542 | 23 | 11,951 |
| 6 Boots and shoes, custom work and repairing..... | 224 | 90,819 | 10,230 | 19,650 | 24,267 | 36,112 | 224 | 2 | 3,542 | 78 | 43,835 |
| 7 Bottling..... | 16 | 257,411 | 19,250 | 126,816 | 21,223 | 90,122 | 12 | 13 | 14,999 | 63 | 35,100 |
| 8 Brass castings and brass finishing..... | 4 | 81,150 | 10,030 | 9,150 | 7,600 | 4,500 | 3 | 1 | 1,500 | 21 | 12,780 |
| 9 Bread and other bakery products..... | 132 | 551,897 | 54,990 | 202,010 | 214,100 | 180,737 | 135 | 66 | 47,709 | 420 | 236,423 |
| 10 Brick and tile..... | 65 | 525,725 | 151,225 | 81,325 | 139,930 | 150,245 | 70 | 18 | 18,450 | 488 | 237,105 |
| 11 Brooms and brushes..... | 5 | 24,100 | 1,400 | 3,600 | 2,510 | 13,700 | 3 | 11 | 3,000 | 47 | 20,510 |

BY COUNTIES: 1900.

from Baca county.]

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|--------------|------------------------------|-----------|------------------------------|----------|-------------------------|-------------------|--|--|-------------------|-------------------------|--|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average num- ber. | Wages. | Average num- ber. | Wages. | Average num- ber. | Wages. | | | | | | | | | | |
| 22,685 | \$14,425,442 | 1,894 | \$371,539 | 243 | \$49,686 | \$4,169,635 | \$701,212 | \$292,330 | \$2,659,468 | \$516,025 | \$66,886,016 | \$64,043,306 | \$2,842,710 | \$102,830,137 | 1 |
| 10,155 | 6,625,121 | 1,407 | 521,861 | 182 | 30,677 | 2,472,298 | 439,004 | 151,812 | 1,575,984 | 304,998 | 27,495,636 | 26,599,113 | 890,733 | 44,985,905 | 2 |
| 17 | 7,567 | | | | | 615 | | 333 | 182 | | 20,240 | 20,010 | 230 | 40,248 | 3 |
| 18 | 12,051 | 2 | 485 | | | 2,890 | | 554 | 1,673 | | 39,812 | 38,516 | 736 | 76,830 | 4 |
| 358 | 192,896 | 60 | 15,358 | 25 | 5,915 | 76,437 | 14,149 | 8,810 | 53,410 | 68 | 798,029 | 774,919 | 28,110 | 1,864,894 | 5 |
| 449 | 267,551 | 2 | 800 | | | 11,626 | 3,002 | 2,395 | 5,613 | 678 | 317,507 | 299,522 | 17,935 | 634,798 | 6 |
| 28 | 19,372 | 2 | 650 | | | 8,170 | 5,024 | 1,672 | 1,474 | | 30,183 | 37,103 | 2,080 | 106,447 | 7 |
| 95 | 57,088 | 1 | 300 | | | 1,704 | 888 | 974 | 842 | | 85,493 | 83,838 | 1,602 | 171,147 | 8 |
| 15 | 9,023 | | | | | 10,855 | | 1,746 | 9,109 | | 149,479 | 146,834 | 5,145 | 191,186 | 9 |
| 11 | 5,669 | 2 | 375 | | | 2,017 | 168 | 310 | 1,539 | | 14,585 | 14,336 | 499 | 85,497 | 10 |
| 24 | 14,240 | 4 | 800 | | | 4,562 | 1,379 | 1,038 | 2,175 | | 60,139 | 57,850 | 2,289 | 112,117 | 11 |
| 12 | 2,555 | | | | | 265 | | 265 | | | 12,265 | 12,265 | | 22,600 | 12 |
| 48 | 17,985 | 2 | 490 | | | 2,265 | 404 | 106 | 1,579 | 86 | 39,110 | 38,562 | 548 | 95,968 | 13 |
| 46 | 27,070 | 1 | 300 | | | 781 | 120 | 238 | 383 | | 15,984 | 15,767 | 217 | 53,494 | 14 |
| 5 | 1,720 | 1 | 250 | | | 846 | 108 | 106 | 133 | | 28,008 | 27,410 | 589 | 40,088 | 15 |
| 1,076 | 658,524 | 59 | 19,003 | 18 | 3,050 | 238,868 | 42,955 | 13,107 | 87,012 | 64,864 | 957,646 | 928,769 | 33,877 | 2,278,789 | 16 |
| 343 | 194,124 | 24 | 5,279 | 1 | 135 | 39,827 | 8,524 | 12,945 | 18,358 | | 709,884 | 659,880 | 50,004 | 1,156,186 | 17 |
| 102 | 60,375 | 3 | 450 | | | 12,908 | 2,548 | 9,788 | 632 | | 139,059 | 137,133 | 2,556 | 357,778 | 18 |
| 117 | 79,191 | 4 | 1,650 | | | 14,010 | 5,802 | 1,452 | 5,836 | 920 | 114,292 | 110,215 | 4,077 | 293,167 | 19 |
| 1 | 125 | | | | | 171 | 93 | 31 | 50 | | 981 | 896 | 85 | 2,960 | 20 |
| 90 | 48,284 | 4 | 650 | 1 | 912 | 7,677 | 1,240 | 638 | 5,829 | | 120,436 | 119,697 | 739 | 283,298 | 21 |
| 10 | 6,010 | 2 | 790 | | | 1,608 | 571 | 224 | | | 12,047 | 11,852 | 195 | 80,242 | 22 |
| 18 | 6,325 | 1 | 240 | | | 2,411 | 604 | 735 | 1,072 | 100 | 44,808 | 44,578 | 315 | 78,415 | 23 |
| 116 | 76,875 | 3 | 755 | 5 | 1,000 | 124,542 | 1,360 | 4,001 | 118,581 | | 137,364 | 121,887 | 15,417 | 485,102 | 24 |
| 3 | 1,100 | | | | | 202 | | 84 | 118 | | 16,328 | 15,825 | 503 | 21,704 | 25 |
| 1,560 | 1,015,953 | 20 | 10,030 | 4 | 860 | 99,831 | 23,200 | 9,680 | 66,392 | 550 | 6,878,031 | 5,888,095 | 430,933 | 8,016,270 | 26 |
| 357 | 221,974 | 7 | 2,700 | 2 | 265 | 55,301 | 20,924 | 6,450 | 37,918 | | 2,034,046 | 1,981,078 | 52,968 | 2,729,428 | 27 |
| 95 | 50,310 | 7 | 1,677 | 4 | 370 | 27,848 | 4,669 | 3,647 | 16,902 | 2,725 | 490,536 | 481,518 | 8,618 | 671,709 | 28 |
| 669 | 381,093 | 18 | 4,836 | 3 | 452 | 108,885 | 11,719 | 5,699 | 85,226 | 6,241 | 624,911 | 626,500 | 8,408 | 1,628,821 | 29 |
| 6 | 2,906 | 1 | 450 | | | 772 | 344 | 104 | 324 | | 5,719 | 5,454 | 265 | 16,967 | 30 |
| 237 | 139,587 | 16 | 2,850 | 2 | 205 | 30,134 | 3,899 | 2,126 | 18,427 | 5,682 | 255,890 | 249,257 | 7,623 | 433,562 | 31 |
| 22 | 13,082 | | | 4 | 298 | 1,880 | 714 | 526 | 590 | | 23,685 | 22,933 | 752 | 59,708 | 32 |
| 59 | 35,300 | 6 | 2,600 | | | 4,173 | 200 | 1,179 | 2,794 | | 148,130 | 147,155 | 1,085 | 232,555 | 33 |
| 22 | 11,425 | | | 1 | 850 | 7,696 | 4,000 | 285 | 3,405 | | 67,830 | 65,625 | 1,775 | 102,028 | 34 |
| 17 | 6,496 | | | | | 1,707 | 823 | 184 | 700 | | 18,182 | 17,777 | 1,436 | 38,748 | 35 |
| 338 | 186,486 | 18 | 2,836 | 5 | 400 | 22,749 | 3,187 | 3,817 | 15,435 | 819 | 326,612 | 313,429 | 13,188 | 600,070 | 36 |
| 35 | 29,317 | 1 | 240 | | | 3,532 | 1,811 | 716 | 1,105 | | 33,194 | 31,483 | 1,711 | 82,676 | 37 |
| 92 | 45,680 | 1 | 300 | | | 2,803 | 270 | 783 | 1,147 | 400 | 57,849 | 55,067 | 2,332 | 131,686 | 38 |
| 8 | 4,855 | | | | | 478 | 60 | 269 | 140 | | 4,790 | 4,518 | 272 | 12,698 | 39 |
| 80 | 50,084 | 14 | 5,138 | | | 15,845 | 5,848 | 2,169 | 7,828 | | 107,932 | 98,587 | 9,845 | 261,605 | 40 |
| 31 | 12,651 | 5 | 1,294 | | | 4,823 | 860 | 759 | 3,008 | 205 | 156,461 | 150,897 | 2,564 | 188,334 | 41 |
| 4,756 | 3,000,628 | 127 | 41,597 | 28 | 4,527 | 577,560 | 46,480 | 34,251 | 432,966 | 65,863 | 22,590,390 | 21,450,070 | 1,141,326 | 30,805,731 | 42 |
| 9 | 4,425 | | | | | 1,371 | 810 | 460 | 601 | | 18,804 | 18,458 | 411 | 35,462 | 43 |
| 68 | 34,936 | 1 | 200 | | | 7,763 | 358 | 1,768 | 5,368 | 331 | 168,446 | 165,100 | 8,337 | 247,215 | 44 |
| 26 | 13,897 | | | | | 912 | 48 | 353 | 511 | | 24,130 | 23,754 | 446 | 55,780 | 45 |
| 8 | 2,400 | | | | | 214 | | 114 | 100 | | 10,870 | 10,870 | | 18,510 | 46 |
| 28 | 24,312 | | | 1 | 160 | 5,352 | 1,230 | 471 | 3,651 | | 44,589 | 43,854 | 735 | 80,583 | 47 |
| 67 | 49,178 | 1 | 250 | | | 11,345 | 5,230 | 1,785 | 4,303 | | 68,115 | 66,979 | 2,136 | 174,845 | 48 |
| 3 | 1,646 | | | | | 604 | 271 | 223 | 107 | | 16,450 | 15,970 | 430 | 22,734 | 49 |
| 8 | 4,705 | 1 | 600 | | | 517 | 287 | 200 | 30 | | 12,315 | 11,965 | 350 | 32,423 | 50 |
| 735 | 616,433 | 50 | 18,404 | 5 | 860 | 133,354 | 88,431 | 5,955 | 31,485 | 62,480 | 1,288,256 | 1,267,816 | 23,440 | 2,550,497 | 51 |
| 7 | 8,826 | 1 | 150 | | | 580 | 84 | 277 | 219 | | 10,167 | 9,976 | 191 | 17,883 | 52 |
| 107 | 56,951 | 15 | 4,331 | 2 | 290 | 29,104 | 8,317 | 3,154 | 17,533 | 100 | 508,695 | 499,876 | 9,819 | 738,964 | 53 |
| 2 | 827 | | | | | 325 | | 137 | 188 | | 4,275 | 4,198 | 80 | 7,077 | 54 |
| 22 | 12,959 | | | | | 351 | 49 | 89 | 213 | | 6,707 | 5,793 | 914 | 23,522 | 55 |

SPECIFIED INDUSTRIES: 1900.

| | | | | | | | | | | | | | | | |
|--------|--------------|-------|-----------|-----|----------|-------------|-----------|-----------|-------------|-----------|--------------|--------------|-------------|---------------|----|
| 22,685 | \$14,425,442 | 1,894 | \$371,539 | 243 | \$49,686 | \$4,169,635 | \$701,212 | \$292,330 | \$2,659,468 | \$516,025 | \$66,886,016 | \$64,043,306 | \$2,842,710 | \$102,880,137 | 1 |
| 17 | 13,794 | 45 | 17,189 | | | 10,061 | 4,730 | 382 | 4,949 | | 163,642 | 162,942 | 700 | 233,697 | 2 |
| 93 | 54,036 | | | 4 | 510 | 34,720 | 25,411 | 948 | 8,361 | | 125,694 | 122,118 | 3,576 | 321,685 | 3 |
| 303 | 212,957 | | | 3 | 492 | 38,834 | 21,798 | 4,952 | 11,620 | 486 | 297,177 | 277,700 | 19,717 | 939,877 | 4 |
| 9 | 5,884 | 11 | 4,567 | 3 | 650 | 2,030 | 1,430 | 63 | 567 | | 17,318 | 17,020 | 295 | 43,100 | 5 |
| 78 | 43,835 | | | | | 26,143 | 21,519 | 872 | 3,752 | | 91,957 | 88,982 | 2,975 | 282,081 | 6 |
| 61 | 34,590 | | | 2 | 510 | 20,191 | 1,614 | 2,347 | 16,830 | | 161,242 | 156,922 | 1,420 | 292,862 | 7 |
| 20 | 12,924 | | | 1 | 156 | 1,681 | 564 | 214 | 603 | | 41,367 | 39,843 | 1,464 | 70,827 | 8 |
| 806 | 199,121 | 114 | 36,974 | 1 | 328 | 94,409 | 31,566 | 5,325 | 54,518 | | 805,180 | 877,329 | 27,721 | 1,606,979 | 9 |
| 435 | 236,810 | | | 3 | 795 | 36,838 | 12,332 | 2,958 | 19,328 | 1,620 | 86,187 | 82,470 | 67,727 | 487,328 | 10 |
| 45 | 20,010 | 1 | 400 | 1 | 100 | 2,629 | 1,299 | 210 | 1,120 | | 30,055 | 29,440 | 613 | 62,140 | 11 |

TABLE 7.—MANUFACTURES BY

| | MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|----|---|---------------------------|------------|-----------|------------|------------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and imple-ments. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average num-ber. | Wages. |
| 12 | Carpentering | 174 | \$487,499 | \$32,824 | \$37,425 | \$68,564 | \$348,686 | 212 | 6 | \$2,790 | 968 | \$694,278 |
| 13 | Carpets, rug | 7 | 3,039 | 200 | 100 | 1,650 | 1,089 | 7 | | | 13 | 5,736 |
| 14 | Carriages and wagons | 48 | 319,121 | 62,550 | 62,600 | 37,890 | 156,081 | 58 | 11 | 10,960 | 191 | 132,625 |
| 15 | Cars and general shop construction and repairs by steam railroad companies. | 29 | 1,681,860 | 277,550 | 576,572 | 481,007 | 346,731 | | 187 | 148,040 | 2,687 | 1,676,500 |
| 16 | Cheese, butter, and condensed milk, factory product. | 38 | 203,947 | 12,092 | 61,625 | 72,078 | 58,152 | 35 | 18 | 11,415 | 80 | 40,323 |
| 17 | China decorating | 3 | 2,250 | | | 700 | 1,550 | 2 | 2 | 1,440 | 4 | 1,378 |
| 18 | Clothing, men's, custom work and re- pairing. | 219 | 374,055 | 9,300 | 10,400 | 29,476 | 324,909 | 235 | 19 | 18,795 | 678 | 416,253 |
| 19 | Clothing, women's, dressmaking | 75 | 659,898 | 353,880 | 154,065 | 28,987 | 122,366 | 79 | 13 | 27,500 | 428 | 171,441 |
| 20 | Coke | 9 | 928,874 | 27,700 | 95,325 | 763,382 | 42,467 | | 19 | 26,779 | 406 | 226,454 |
| 21 | Confectionery | 43 | 822,202 | 18,500 | 17,488 | 85,234 | 201,080 | 45 | 33 | 50,698 | 211 | 91,047 |
| 22 | Copper, smelting and refining | 3 | 2,308,309 | 99,998 | 628,885 | 429,238 | 1,155,188 | | 30 | 59,765 | 410 | 315,958 |
| 23 | Corsets | 3 | 1,854 | | | 704 | 1,150 | 2 | 2 | 1,010 | 1 | 350 |
| 24 | Dyeing and cleaning | 24 | 10,595 | | 200 | 7,400 | 2,995 | 31 | | | 21 | 11,934 |
| 25 | Electrical apparatus and supplies | 4 | 77,000 | | | 50,000 | 27,000 | 3 | 6 | 6,000 | 84 | 41,720 |
| 26 | Electrical construction and repairs | 9 | 28,966 | | | 5,538 | 23,428 | 11 | 5 | 4,480 | 23 | 16,837 |
| 27 | Electroplating | 4 | 4,400 | 200 | 500 | 2,900 | 800 | 4 | | | 8 | 3,600 |
| 28 | Flavoring extracts | 3 | 7,775 | 1,000 | 3,000 | 400 | 3,375 | 4 | 3 | 1,300 | 4 | 1,470 |
| 29 | Flouring and grist mill products. | 60 | 2,040,774 | 193,262 | 436,906 | 618,550 | 791,996 | 26 | 92 | 78,445 | 278 | 169,358 |
| 30 | Food preparations | 11 | 31,205 | 10,300 | 7,250 | 7,405 | 6,250 | 16 | | | 79 | 30,211 |
| 31 | Foundry and machine shop products | 77 | 2,353,181 | 243,762 | 456,467 | 1,021,919 | 1,131,032 | 56 | 120 | 150,411 | 1,823 | 1,125,432 |
| 32 | Fruits and vegetables, canning and preserving. | 7 | 277,325 | 28,500 | 79,500 | 62,700 | 106,625 | 2 | 18 | 23,700 | 206 | 62,561 |
| 33 | Fur goods | 6 | 35,275 | | | 1,225 | 34,050 | 6 | 1 | 200 | 31 | 13,179 |
| 34 | Furniture, cabinetmaking, repairing, and upholstering. | 35 | 49,019 | 1,800 | 700 | 9,219 | 37,300 | 34 | 7 | 7,670 | 91 | 50,249 |
| 35 | Furniture, factory product. | 4 | 77,350 | 3,000 | 5,150 | 6,300 | 62,900 | 2 | 7 | 7,500 | 51 | 33,542 |
| 36 | Gas, illuminating and heating. | 5 | 1,773,308 | 206,000 | 233,000 | 1,217,366 | 116,942 | | 28 | 27,048 | 109 | 54,051 |
| 37 | Glass, cutting, staining, and orna- menting. | 5 | 26,925 | | | 5,100 | 21,825 | 3 | 3 | 1,145 | 20 | 8,900 |
| 38 | Hairwork | 3 | 953 | | | 103 | 850 | 3 | | | 3 | 1,250 |
| 39 | Ice, artificial | 6 | 664,360 | 60,721 | 108,965 | 465,060 | 29,614 | 6 | 18 | 21,235 | 93 | 53,517 |
| 40 | Iron and steel | 3 | 2,903,136 | 69,551 | 1,072,683 | 926,518 | 834,384 | | 92 | 93,500 | 1,414 | 710,742 |
| 41 | Jewelry | 11 | 36,668 | | | 7,040 | 29,628 | 9 | 4 | 3,915 | 36 | 25,315 |
| 42 | Lead, smelting and refining | 8 | 22,669,715 | 1,057,264 | 7,061,040 | 8,752,414 | 5,695,997 | | 137 | 288,119 | 3,316 | 2,390,883 |
| 43 | Lime and cement | 8 | 61,855 | 34,625 | 9,780 | 16,075 | 775 | 4 | 4 | 4,700 | 56 | 28,755 |
| 44 | Liquors, malt | 14 | 5,682,201 | 361,700 | 2,246,102 | 1,622,500 | 1,451,902 | 9 | 39 | 78,121 | 823 | 256,764 |
| 45 | Lock and gun smithing | 19 | 17,025 | 650 | 1,500 | 7,875 | 7,000 | 26 | | | 14 | 8,488 |
| 46 | Looking-glass and picture frames | 14 | 22,370 | | | 3,270 | 19,100 | 12 | 5 | 2,000 | 29 | 18,290 |
| 47 | Lumber and timber products | 159 | 972,098 | 184,136 | 62,890 | 377,142 | 348,480 | 201 | 45 | 38,062 | 732 | 331,038 |
| 48 | Lumber, planing mill products, includ- ing sash, doors, and blinds. | 32 | 843,675 | 234,150 | 117,375 | 139,750 | 862,400 | 28 | 44 | 41,410 | 433 | 324,015 |
| 49 | Marble and stone work | 37 | 395,675 | 195,500 | 30,540 | 47,535 | 122,100 | 46 | 11 | 12,491 | 399 | 270,189 |
| 50 | Masonry, brick and stone | 34 | 91,150 | 2,625 | 4,620 | 20,280 | 54,625 | 42 | 12 | 12,980 | 723 | 527,186 |
| 51 | Mattresses and spring beds | 8 | 80,855 | 5,034 | 11,000 | 12,432 | 52,369 | 7 | 8 | 7,570 | 70 | 36,469 |
| 52 | Millinery, custom work | 108 | 175,341 | 4,350 | 11,265 | 11,564 | 148,162 | 120 | 16 | 10,998 | 214 | 86,346 |
| 53 | Mineral and soda waters | 30 | 557,068 | 274,300 | 126,600 | 95,980 | 60,208 | 28 | 19 | 21,753 | 96 | 45,371 |
| 54 | Models and patterns | 5 | 5,900 | | | 3,150 | 2,750 | 6 | | | 14 | 13,543 |
| 55 | Monuments and tombstones | 17 | 52,706 | 13,000 | 4,050 | 9,250 | 26,400 | 20 | 2 | 2,075 | 20 | 27,001 |
| 56 | Optical goods | 8 | 13,150 | | | 5,150 | 8,000 | 5 | 1 | 600 | 20 | 11,570 |
| 57 | Painting, house, sign, etc | 100 | 212,502 | 6,365 | 9,085 | 30,777 | 166,275 | 112 | 36 | 27,244 | 483 | 329,679 |
| 58 | Paper hanging | 10 | 25,400 | 1,200 | 500 | 2,125 | 21,575 | 9 | 6 | 1,760 | 52 | 30,221 |
| 59 | Patent medicines and compounds | 6 | 36,046 | | | 5,586 | 30,460 | 9 | 22 | 33,900 | 32 | 16,160 |
| 60 | Paving and paving materials | 5 | 12,900 | 2,550 | 1,125 | 4,575 | 4,650 | 4 | 2 | 1,920 | 35 | 25,943 |
| 61 | Photography | 51 | 116,005 | 2,910 | 9,615 | 54,725 | 48,755 | 89 | 8 | 4,706 | 101 | 57,678 |
| 62 | Pickles, preserves, and sauces | 7 | 35,900 | 3,200 | 9,800 | 9,650 | 13,250 | 8 | 9 | 5,100 | 32 | 19,600 |
| 63 | Plastering and stucco work | 16 | 7,805 | 80 | 20 | 1,940 | 5,815 | 22 | | | 45 | 31,355 |
| 64 | Plumbing, and gas and steam fitting | 108 | 337,741 | 12,700 | 21,550 | 56,709 | 246,782 | 127 | 28 | 23,956 | 443 | 332,419 |
| 65 | Pottery, terra cotta, and fire-clay prod- ucts. | 10 | 855,985 | 169,559 | 203,951 | 130,605 | 351,870 | 7 | 42 | 59,612 | 374 | 215,844 |
| 66 | Printing and publishing, book and job. | 66 | 814,593 | 100,000 | 98,500 | 323,356 | 292,737 | 70 | 72 | 77,040 | 497 | 308,213 |
| 67 | Printing and publishing, newspapers and periodicals. | 212 | 1,751,437 | 51,155 | 98,070 | 1,009,797 | 597,415 | 186 | 286 | 262,974 | 1,303 | 770,882 |
| 68 | Roofing and roofing materials. | 15 | 50,020 | 15,425 | 9,375 | 15,820 | 18,400 | 14 | 11 | 6,760 | 69 | 31,707 |
| 69 | Saddlery and harness | 89 | 372,509 | 21,935 | 35,575 | 36,394 | 278,605 | 98 | 31 | 25,357 | 192 | 121,808 |
| 70 | Sewing machine repairing | 4 | 875 | 100 | 100 | 325 | 350 | 2 | | | 3 | 860 |
| 71 | Shirts | 5 | 15,600 | | | 2,550 | 13,050 | 4 | 3 | 2,412 | 51 | 19,264 |
| 72 | Slaughtering and meat packing, whole- sale. | 7 | 1,262,075 | 149,800 | 494,000 | 83,000 | 535,275 | 4 | 37 | 51,586 | 212 | 139,510 |
| 73 | Slaughtering, wholesale, not including meat packing. | 7 | 118,443 | 13,000 | 15,700 | 21,000 | 68,743 | 3 | 11 | 9,360 | 49 | 31,234 |
| 74 | Soap and candles | 3 | 205,154 | 20,000 | 40,500 | 81,179 | 63,475 | 2 | 10 | 16,674 | 50 | 25,762 |
| 75 | Taxidermy | 11 | 19,080 | 500 | 1,800 | 1,105 | 15,675 | 16 | | | 9 | 2,800 |
| 76 | Tinsmithing, coppersmithing, and sheet-iron working. | 106 | 368,900 | 22,070 | 51,775 | 82,055 | 213,000 | 104 | 22 | 19,852 | 266 | 198,210 |

SPECIFIED INDUSTRIES: 1900—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|---|------------------------------|------------------------------|------------------------------|--------------|--|--|--|--|-------------------------|--|--|---|--|----------------------------|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 967 11 187 2,687 | \$694,153 5,270 131,685 1,076,500 | 2 1 1 | \$166 240 | 1 3 | \$125 700 | \$397,315 1,049 19,917 38,863 | \$13,349 892 8,590 21,075 | \$2,293 27 3,408 13,772 | \$16,685 330 6,960 3,408 | \$364,988 950 548 | \$1,406,884 2,565 143,606 1,278,299 | \$1,404,982 2,450 143,438 1,242,409 | \$1,902 115 5,168 35,890 | \$2,976,201 12,044 419,304 3,141,602 | 12 13 14 15 |
| 76 | 89,148 | 4 | 1,180 | | | 13,912 | 2,194 | 1,267 | 10,133 | 318 | 471,008 | 463,985 | 7,018 | 618,231 | 16 |
| 1 564 | 960 375,577 | 2 105 | 818 40,145 | 1 4 | 100 531 | 1,348 109,942 | 1,026 70,440 | 5 2,672 | 317 21,994 | 14,836 | 8,193 501,686 | 2,776 494,278 | 417 7,408 | 11,086 1,352,104 | 17 18 |
| 37 406 99 | 21,250 226,454 60,136 | 389 108 | 149,996 30,336 | 2 4 | 195 575 | 19,710 33,446 72,518 | 11,798 88,446 26,352 | 1,639 37,813 2,578 | 6,223 37,813 43,588 | | 171,772 527,658 315,761 | 169,958 523,703 309,881 | 1,814 3,850 5,880 | 514,404 1,213,561 628,759 | 19 20 21 |
| 410 | 315,958 | | | | | 11,547 | | 6,878 | 3,991 | 678 | 3,385,113 | 3,161,492 | 223,621 | 3,893,084 | 22 |
| 14 56 22 | 8,854 80,120 16,603 | 7 27 | 3,080 11,200 | | | 1,026 7,164 8,027 6,624 | 870 5,845 3,510 4,005 | 10 95 470 200 | 140 1,224 4,017 2,419 | | 2,002 7,196 51,608 48,336 | 2,002 5,908 49,782 42,976 | | 5,620 57,002 121,000 91,075 | 23 24 25 26 |
| 8 2 277 73 1,817 | 3,600 1,270 168,608 29,201 1,123,482 | 2 1 6 3 | 200 750 1,010 1,470 | | | 809 734 131,790 3,349 234,926 | 650 125 7,362 1,018 21,941 | 21 27 24,257 1,973 13,538 | 133 532 100,171 1,973 195,894 | | | 2,898 7,678 3,794,565 31,587 1,554,039 | 816 57 47,629 1,604 93,062 | 11,860 14,200 4,528,062 84,381 3,986,915 | 27 28 29 30 31 |
| 66 8 89 | 37,855 6,050 49,329 | 116 23 2 | 19,456 7,129 920 | 24 | 5,250 | 14,598 | 530 | 1,694 | 12,374 | | 223,454 | 219,573 | 3,881 | 343,394 | 32 |
| 8 89 | 6,050 49,329 | 23 2 | 7,129 920 | | | 5,910 10,061 | 3,590 7,859 | 113 840 | 2,207 1,812 | 50 | 34,881 59,823 | 34,656 58,795 | 225 1,023 | 68,364 168,680 | 33 34 |
| 50 109 | 33,117 54,051 | 1 | 425 | | | 9,537 100,136 | 2,660 | 432 27,469 | 5,845 72,667 | 600 | 89,946 122,389 | 89,330 105,798 | 616 17,041 | 170,055 523,497 | 35 36 |
| 20 | 8,900 | | | | | 2,149 | 1,595 | 34 | 520 | | 15,898 | 15,407 | 491 | 37,100 | 37 |
| 98 1,999 36 | 53,517 708,322 25,315 | 3 | 1,250 | | | 2,199 12,611 262,823 6,712 | 1,736 150 4,180 | 13 4,308 8,438 402 | 450 8,153 251,385 1,830 | | 5,375 31,446 3,901,345 34,161 | 5,800 7,692 3,870,154 33,207 | 75 23,754 531,191 954 | 12,250 204,029 6,108,295 94,502 | 38 39 40 41 |
| 3,316 56 309 13 27 | 2,390,383 28,755 253,114 8,336 17,890 | | | 14 | 3,650 | 154,001 757 835,518 4,094 5,311 | | 82,269 473 30,678 219 3,637 | 121,732 281 804,526 833 1,390 | | 33,996,975 21,430 875,898 8,461 62,482 | 32,586,224 6,250 837,528 7,499 62,306 | 1,410,751 15,180 83,365 962 176 | 40,732,271 80,485 2,042,863 34,977 107,468 | 42 43 44 45 46 |
| 720 433 | 326,628 324,015 | 11 | 4,230 | 1 | 180 | 27,322 42,133 | 6,891 4,238 | 8,725 7,436 | 11,306 14,799 | 400 15,600 | 854,454 531,198 | 854,454 522,205 | | 1,627,605 1,065,970 | 47 48 |
| 399 723 48 | 270,189 527,186 27,133 | | | | | 9,707 85,047 5,882 | 2,533 2,999 1,202 | 1,592 642 629 | 5,282 18,571 4,161 | | 208,498 647,450 96,824 | 205,458 643,861 94,576 | 3,040 3,589 2,248 | 653,009 1,355,647 161,391 | 49 50 51 |
| 7 89 14 29 15 | 3,000 44,487 13,543 27,001 10,400 | 206 2 | 83,034 562 | 1 5 | 312 822 | 48,126 15,386 1,233 3,900 9,238 | 35,775 4,663 815 1,208 4,570 | 2,172 2,841 38 497 170 | 10,179 8,332 880 1,786 4,543 | | 287,197 136,316 3,571 35,640 19,691 | 285,301 133,332 2,961 35,088 19,292 | 1,896 2,984 610 552 399 | 558,718 344,413 27,780 101,520 60,300 | 52 53 54 55 56 |
| 476 51 17 35 71 | 328,375 30,013 9,560 25,943 45,956 | 1 16 | 450 6,600 | 6 1 | 854 208 | 38,412 4,194 19,509 1,459 37,382 | 21,086 2,926 3,373 72 22,896 | 2,052 1,066 254 112 1,397 | 15,274 1,066 15,877 1,275 13,089 | | 276,703 25,268 50,575 36,889 88,591 | 275,465 25,187 50,136 36,579 86,857 | 1,238 81 439 310 1,734 | 854,061 79,095 124,348 81,905 304,331 | 57 58 59 60 61 |
| 19 45 440 371 | 10,680 34,355 331,854 214,994 | 13 | 2,980 | | | 2,522 1,696 46,302 23,319 | 670 456 22,117 720 | 227 — 2,478 3,713 | 1,625 616 19,112 18,886 | | 27,211 29,419 678,235 160,852 | 25,636 29,195 674,416 126,699 | 1,575 224 3,819 34,153 | 64,700 90,147 1,252,080 574,060 | 62 63 64 65 |
| 408 | 270,305 | 73 | 34,816 | 16 | 3,092 | 107,272 | 23,679 | 5,837 | 51,321 | 26,435 | 277,200 | 266,335 | 10,865 | 1,036,316 | 66 |
| 1,168 | 730,362 | 95 | 33,884 | 40 | 6,136 | 323,599 | 53,555 | 10,475 | 196,714 | 62,855 | 507,899 | 482,335 | 25,564 | 2,525,488 | 67 |
| 69 183 8 5 | 31,707 121,028 860 3,900 | 2 | 515 | 2 | 265 | 7,268 34,940 327 2,215 | 1,628 18,278 244 1,156 | 375 3,353 15 109 | 5,265 13,399 68 950 | | 94,887 338,156 686 39,370 | 93,272 335,425 675 39,710 | 1,615 2,731 11 160 | 179,295 647,633 2,920 73,500 | 68 69 70 71 |
| 210 | 139,010 | 2 | 500 | | | 43,965 | 1,515 | 5,656 | 36,704 | | 3,029,085 | 3,013,098 | 15,987 | 3,562,357 | 72 |
| 49 | 31,234 | | | | | 12,419 | 2,600 | 1,269 | 8,550 | | 692,525 | 690,124 | 2,401 | 731,628 | 73 |
| 45 6 256 | 24,450 2,200 194,620 | 5 3 8 | 1,812 600 3,200 | | | 14,811 2,516 48,758 | 1,386 1,437 22,578 | 1,305 170 3,729 | 12,120 909 19,166 | | 170,087 7,090 435,369 | 168,004 7,090 430,006 | 2,088 205 5,363 | 241,544 27,186 887,144 | 74 75 76 |

TABLE 7.—MANUFACTURES BY

| | MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|----|--|---------------------------|-----------|----------|------------|-----------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and implements. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average number. | Wages. |
| | | | | | | | | | | | | |
| 77 | Tobacco, cigars and cigarettes..... | 80 | \$199,656 | \$27,550 | \$27,400 | \$9,465 | \$135,241 | 97 | 23 | \$19,980 | 337 | \$223,316 |
| 78 | Trunks and valises..... | 6 | 19,003 | 500 | 1,000 | 250 | 17,253 | 4 | 1 | 1,500 | 23 | 18,888 |
| 79 | Typewriter repairing..... | 4 | 1,185 | | | 225 | 960 | 2 | 2 | 300 | 3 | 1,836 |
| 80 | Watch, clock, and jewelry repairing..... | 140 | 148,030 | 14,248 | 7,486 | 51,891 | 74,410 | 137 | 10 | 8,600 | 129 | 87,715 |
| 81 | Wirework, including wire rope and cable..... | 3 | 49,210 | | | 21,160 | 28,050 | 1 | 8 | 7,600 | 31 | 18,600 |
| 82 | All other industries ¹ | 103 | 3,828,903 | 729,546 | 660,288 | 1,334,849 | 1,104,220 | 78 | 154 | 195,102 | 1,438 | 638,054 |

¹ Embraces agricultural implements, 1; artificial limbs, 2; baking and yeast powders, 1; bicycles and tricycles, 1; billiard tables and materials, 1; boot and shoe uppers, 2; boots and shoes, factory product, 1; boxes, cigar, 2; boxes, fancy and paper, 2; boxes, wooden packing, 1; brassware, 1; bridges, 1; carpets and rugs, other than rag, 1; carriage and wagon materials, 2; cars and general shop construction and repairs by street railroad companies, 1; cars, street railroad, not including operations of railroad companies, 2; charcoal, 1; chemicals, 2; clothing, men's, factory product, 1; clothing, women's, factory product, 2; coffee and spice, roasting and grinding, 2; cooperage, 1; cordials and sirups, 1; cotton goods, 1; druggists' preparations, not including prescriptions, 2; engraving and diesinking, 1; engraving, steel, including plate printing, 1; engraving, wood, 1; fancy articles, not elsewhere specified, 1; gas machines and meters, 1; glass, 1; gloves and mittens, 1; gold and silver, reducing and refining, not from the ore, 1; grease and tallow, 2; hand stamps, 1; hardware, 1; hats and caps, not including fur hats, and wool hats, 1; ink, printing, 1; ink, writing, 1; instruments, professional and scientific, 2; ironwork, architectural and ornamental, 2; jewelry and

TABLE 8.—MANUFACTURES IN CITIES

DENVER.

| 1 | All industries..... | 1,474 | \$30,883,046 | \$2,898,293 | \$7,924,109 | \$10,668,624 | \$9,392,020 | 1,461 | 1,189 | \$1,213,703 | 10,926 | \$6,824,008 |
|----|--|-------|--------------|-------------|-------------|--------------|-------------|-------|-------|-------------|--------|-------------|
| 2 | Awnings, tents, and sails..... | 5 | 72,370 | | | 6,786 | 65,584 | 5 | 5 | 0,040 | 44 | 23,666 |
| 3 | Bicycle and triecyle repairing..... | 69 | 45,616 | | | 27,663 | 17,953 | 83 | 2 | 1,920 | 48 | 28,975 |
| 4 | Blacksmithing and wheelwrighting..... | 85 | 104,335 | 33,800 | 27,500 | 14,080 | 28,955 | 94 | 1 | 1,000 | 96 | 75,252 |
| 5 | Bookbinding and blank book making..... | 4 | 30,850 | | | 11,900 | 18,450 | 3 | 7 | 3,542 | 19 | 11,151 |
| 6 | Boots and shoes, custom work and repairing..... | 100 | 38,029 | 4,475 | 7,535 | 10,970 | 10,049 | 101 | | | 39 | 24,612 |
| 7 | Bottling..... | 7 | 91,681 | 8,500 | 27,616 | 9,523 | 46,042 | 7 | 7 | 9,949 | 39 | 17,190 |
| 8 | Brass castings and brass finishing..... | 3 | 29,500 | 10,000 | 9,000 | 6,500 | 4,000 | 2 | 1 | 1,500 | 19 | 12,000 |
| 9 | Bread and other bakery products..... | 79 | 405,292 | 29,425 | 53,300 | 187,020 | 135,547 | 76 | 59 | 44,027 | 311 | 162,968 |
| 10 | Brick and tile..... | 20 | 295,250 | 91,500 | 32,415 | 79,510 | 91,825 | 22 | 7 | 9,000 | 208 | 128,039 |
| 11 | Brooms and brushes..... | 4 | 23,300 | | | 10,000 | 13,300 | 2 | 11 | 3,000 | 38 | 10,730 |
| 12 | Carpentering..... | 59 | 150,703 | 3,850 | 3,300 | 20,460 | 123,093 | 71 | 8 | 2,150 | 335 | 244,749 |
| 13 | Carpets, rug..... | 5 | 2,769 | 200 | 100 | 1,480 | 989 | 5 | | | 13 | 6,736 |
| 14 | Carriages and wagons..... | 16 | 114,081 | 27,200 | 27,600 | 7,300 | 51,881 | 18 | 4 | 3,100 | 79 | 56,272 |
| 15 | Cars and general shop construction and repair by steam railroad companies..... | 5 | 905,147 | 165,000 | 247,000 | 318,408 | 174,679 | | 69 | 66,015 | 1,006 | 622,551 |
| 16 | Clothing, men's, custom work and repairing..... | 100 | 220,631 | 3,300 | 2,500 | 13,879 | 200,952 | 107 | 16 | 14,845 | 448 | 266,527 |
| 17 | Clothing, women's, dressmaking..... | 36 | 650,745 | 353,200 | 152,800 | 25,740 | 119,005 | 37 | 13 | 27,500 | 353 | 150,578 |
| 18 | Confectionery..... | 23 | 197,477 | 15,000 | 15,500 | 30,305 | 136,672 | 22 | 52 | 29,569 | 128 | 64,513 |
| 19 | Dyeing and cleaning..... | 18 | 5,240 | | | 3,400 | 1,840 | 24 | | | 13 | 6,860 |
| 20 | Electrical apparatus and supplies..... | 4 | 77,000 | | | 50,000 | 27,000 | 3 | 6 | 6,000 | 84 | 41,720 |
| 21 | Electrical construction and repairs..... | 4 | 6,475 | | | 2,925 | 3,550 | 4 | 1 | 500 | 11 | 8,840 |
| 22 | Electroplating..... | 3 | 3,000 | | | 2,400 | 600 | 3 | | | 6 | 3,000 |
| 23 | Flouring and grist mill products..... | 5 | 631,600 | 115,000 | 135,000 | 152,500 | 229,100 | | 25 | 26,320 | 98 | 53,782 |
| 24 | Food preparations..... | 7 | 26,240 | 10,250 | 6,800 | 4,160 | 5,030 | 9 | | | 67 | 24,085 |
| 25 | Foundry and machine shop products..... | 45 | 1,916,622 | 178,524 | 286,050 | 717,199 | 739,849 | 33 | 83 | 114,149 | 1,160 | 722,330 |
| 26 | Fur goods..... | 4 | 25,225 | | | 725 | 24,500 | 4 | 1 | 200 | 25 | 11,300 |
| 27 | Furniture, cabinetmaking, repairing, and upholstering..... | 23 | 34,870 | 1,800 | 700 | 6,165 | 26,205 | 22 | 6 | 6,820 | 74 | 39,753 |
| 28 | Furniture, factory product..... | 3 | 56,850 | 3,000 | 5,150 | 5,800 | 42,900 | 2 | 5 | 5,500 | 48 | 30,842 |
| 29 | Glass, cutting, staining, and ornamenting..... | 5 | 26,925 | | | 5,100 | 21,825 | 3 | 3 | 1,145 | 20 | 8,900 |
| 30 | Hairwork..... | 3 | 953 | | | 103 | 850 | 3 | | | 3 | 1,250 |
| 31 | Jewelry..... | 10 | 36,168 | | | 6,540 | 29,628 | 8 | 4 | 3,915 | 36 | 25,315 |
| 32 | Liquors, malt..... | 4 | 4,953,859 | 323,000 | 1,945,000 | 1,435,000 | 1,250,859 | 3 | 21 | 49,600 | 206 | 167,722 |
| 33 | Lock and gun smithing..... | 11 | 11,270 | 650 | 1,600 | 4,370 | 4,750 | 16 | | | 12 | 7,430 |
| 34 | Looking-glass and picture frames..... | 11 | 20,520 | | | 2,820 | 17,700 | 9 | 5 | 2,000 | 27 | 16,790 |
| 35 | Lumber, planing mill products, including sash, doors, and blinds..... | 10 | 648,700 | 199,000 | 100,200 | 78,400 | 271,100 | 6 | 25 | 30,790 | 301 | 221,760 |
| 36 | Marble and stone work..... | 21 | 204,015 | 110,000 | 17,340 | 35,035 | 41,640 | 27 | 5 | 8,500 | 266 | 213,364 |
| 37 | Masonry, brick and stone..... | 15 | 72,735 | 1,500 | 3,000 | 24,035 | 44,200 | 19 | 12 | 12,980 | 563 | 392,278 |
| 38 | Mattresses and spring beds..... | 5 | 62,657 | 5,054 | 11,000 | 9,536 | 37,067 | 6 | 4 | 4,300 | 56 | 27,474 |
| 39 | Millinery, custom work..... | 35 | 68,022 | | | 7,057 | 60,965 | 38 | 7 | 5,948 | 104 | 49,132 |
| 40 | Mineral and soda waters..... | 6 | 38,300 | | | 29,400 | 8,900 | 5 | 11 | 8,404 | 32 | 16,247 |
| 41 | Models and patterns..... | 5 | 5,900 | | | 3,150 | 2,750 | 5 | | | 14 | 13,543 |
| 42 | Monuments and tombstones..... | 13 | 41,800 | 11,000 | 2,950 | 8,450 | 19,400 | 16 | 1 | 1,200 | 24 | 23,231 |
| 43 | Optical goods..... | 7 | 10,750 | | | 4,750 | 6,000 | 4 | 1 | 600 | 19 | 11,420 |
| 44 | Painting, house, sign, etc..... | 57 | 80,480 | 2,650 | 1,850 | 15,585 | 60,395 | 60 | 18 | 16,592 | 246 | 155,660 |
| 45 | Paper hanging..... | 7 | 16,325 | | | 1,750 | 14,575 | 7 | 2 | 700 | 44 | 25,914 |
| 46 | Patent medicines and compounds..... | 6 | 36,046 | | | 5,686 | 30,460 | 9 | 22 | 33,900 | 32 | 16,160 |
| 47 | Photography..... | 28 | 37,310 | | 200 | 20,475 | 16,635 | 31 | 6 | 4,166 | 64 | 36,269 |
| 48 | Pickles, preserves, and sauces..... | 7 | 35,900 | 3,200 | 9,800 | 9,650 | 13,250 | 8 | 9 | 5,100 | 32 | 13,660 |
| 49 | Plumbing, and gas and steam fitting..... | 59 | 120,244 | 2,550 | 3,200 | 28,744 | 85,750 | 64 | 16 | 15,072 | 215 | 142,666 |
| 50 | Pottery, terra cotta, and fire-clay products..... | 5 | 278,590 | 55,200 | 37,440 | 37,150 | 148,800 | 6 | 21 | 26,692 | 79 | 37,885 |
| 51 | Printing and publishing, book and job..... | 52 | 604,486 | 70,000 | 38,500 | 262,613 | 233,373 | 58 | 56 | 59,274 | 390 | 251,561 |

SPECIFIED INDUSTRIES: 1900—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-----------|------------------------------|----------|------------------------------|---------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 290 | \$203,274 | 39 | \$18,864 | 8 | \$1,178 | \$72,523 | \$11,716 | \$1,814 | \$37,558 | \$1,435 | \$234,094 | \$232,688 | \$1,406 | \$679,947 | 77 |
| 23 | 13,838 | | | | | 5,732 | 1,386 | 84 | 4,262 | | 10,661 | 10,600 | 61 | 41,721 | 78 |
| 3 | 1,836 | | | | | 777 | 520 | 22 | 235 | | 1,380 | 1,360 | 20 | 5,082 | 79 |
| 126 | 86,579 | 3 | 1,186 | | | 37,279 | 24,605 | 2,186 | 9,988 | 500 | 82,169 | 79,957 | 2,212 | 318,745 | 80 |
| 81 | 18,500 | | | | | 8,950 | 1,920 | 360 | 6,670 | | 54,480 | 53,280 | 1,200 | 98,200 | 81 |
| 1,038 | 509,558 | 337 | 111,713 | 63 | 16,783 | 259,841 | 37,446 | 21,364 | 200,631 | 400 | 2,000,755 | 1,908,522 | 92,233 | 3,581,652 | 82 |

instrument cases, 1; kaolin and other earth grinding, 2; lamps and reflectors, 2; lead, bar, pipe, and sheet, 1; leather goods, 1; lithographing and engraving, 2; millinery and lace goods, 1; musical instruments and materials, not specified, 2; musical instruments, organs and materials, 1; musical instruments, pianos and materials, 1; paints, 2; paper and wood pulp, 2; perfumery and cosmetics, 1; petroleum, refining, 2; photographic materials, 2; photolithographing and photo-engraving, 1; plumbers' supplies, 1; printing materials, 1; refrigerators, 2; regalia and society banners and emblems, 1; scales and balances, 2; show cases, 1; smelting and refining, not from the ore, 1; sporting goods, 2; steam fittings and heating apparatus, 2; stereotyping and electrotyping, 2; sugar and molasses, beet, 1; surgical appliances, 2; tobacco, chewing, smoking, and snuff, 2; tools, not elsewhere specified, 1; umbrellas and canes, 1; vinegar and cider, 1; washing machines and clothes wringers, 1; wool scouring, 1.

BY SPECIFIED INDUSTRIES: 1900.

DENVER.

| | | | | | | | | | | | | | | | |
|-------|-------------|-------|-----------|----|----------|-------------|-----------|-----------|-------------|-----------|--------------|--------------|-----------|--------------|----|
| 9,561 | \$6,330,903 | 1,275 | \$474,249 | 90 | \$13,851 | \$2,409,785 | \$435,196 | \$142,420 | \$1,627,371 | \$304,798 | \$24,572,199 | \$23,806,530 | \$765,669 | \$41,368,693 | 1 |
| 15 | 12,604 | 29 | 11,062 | | | 6,558 | 3,960 | 301 | 2,297 | | 126,977 | 126,469 | 508 | 178,097 | 2 |
| 47 | 28,755 | | | 1 | 220 | 19,646 | 15,919 | 314 | 3,413 | | 67,741 | 65,772 | 1,969 | 174,042 | 3 |
| 93 | 75,252 | | | | | 14,818 | 10,476 | 975 | 2,942 | 455 | 89,061 | 78,732 | 4,279 | 269,411 | 4 |
| 7 | 6,634 | 9 | 3,967 | 3 | 550 | 1,747 | 1,190 | 32 | 525 | | 15,910 | 15,720 | 190 | 38,100 | 5 |
| 39 | 24,612 | | | | | 12,837 | 11,013 | 263 | 1,556 | | 40,759 | 39,576 | 1,183 | 125,181 | 6 |
| 38 | 16,930 | | | 1 | 260 | 16,741 | 404 | 1,853 | 14,484 | | 115,756 | 114,924 | 832 | 203,285 | 7 |
| 19 | 12,000 | | | | | 1,463 | 720 | 190 | 553 | | 38,825 | 36,945 | 1,380 | 64,900 | 8 |
| 207 | 129,911 | 103 | 32,729 | 1 | 323 | 71,049 | 25,292 | 3,012 | 42,745 | | 596,343 | 577,407 | 18,936 | 1,132,127 | 9 |
| 206 | 127,659 | | | 2 | 440 | 22,370 | 9,867 | 1,161 | 11,342 | | 40,617 | 9,391 | 31,226 | 262,456 | 10 |
| 36 | 16,230 | 1 | 400 | 1 | 100 | 2,401 | 1,150 | 176 | 1,075 | | 22,095 | 21,450 | 645 | 49,120 | 11 |
| 335 | 244,749 | | | | | 202,271 | 8,094 | 497 | 6,592 | 187,088 | 474,001 | 473,728 | 273 | 1,122,315 | 12 |
| 11 | 5,270 | 2 | 466 | | | 750 | 500 | 27 | 223 | | 2,093 | 2,030 | 63 | 10,703 | 13 |
| 77 | 55,772 | | | 2 | 500 | 7,488 | 3,460 | 792 | 2,686 | 550 | 47,716 | 46,438 | 1,278 | 146,894 | 14 |
| 1,006 | 622,551 | | | | | 28,195 | 21,000 | 5,850 | 797 | 543 | 578,628 | 564,838 | 13,785 | 1,295,384 | 15 |
| 387 | 243,028 | 59 | 22,224 | 2 | 375 | 65,565 | 41,610 | 1,406 | 14,703 | 7,816 | 301,286 | 298,463 | 2,823 | 807,006 | 16 |
| 36 | 21,250 | 316 | 129,183 | 1 | 145 | 15,290 | 7,792 | 1,605 | 5,898 | | 163,337 | 162,123 | 1,214 | 456,455 | 17 |
| 59 | 33,608 | 68 | 20,760 | 1 | 145 | 35,948 | 15,336 | 1,567 | 18,545 | | 200,163 | 197,350 | 2,813 | 391,807 | 18 |
| 7 | 3,380 | 6 | 2,480 | | | 4,944 | 4,001 | 90 | 853 | | 5,908 | 5,107 | 801 | 38,762 | 19 |
| 56 | 30,120 | 27 | 11,200 | 1 | 400 | 8,027 | 3,610 | 470 | 4,017 | | 51,608 | 49,782 | 1,826 | 121,000 | 20 |
| 11 | 8,840 | | | | | 2,070 | 1,145 | 40 | 885 | | 11,382 | 11,240 | 92 | 29,000 | 21 |
| 6 | 3,000 | | | | | 775 | 650 | 15 | 110 | | 3,248 | 2,532 | 716 | 10,760 | 22 |
| 97 | 53,032 | 1 | 750 | | | 34,039 | 500 | 7,341 | 26,198 | | 1,461,040 | 1,448,906 | 12,134 | 1,701,658 | 23 |
| 61 | 23,075 | 6 | 1,010 | | | 2,894 | 718 | 358 | 1,818 | | 28,604 | 27,224 | 1,380 | 69,735 | 24 |
| 1,164 | 720,530 | 8 | 1,470 | 2 | 330 | 171,539 | 16,787 | 8,398 | 143,154 | 3,200 | 1,061,920 | 1,002,416 | 59,504 | 2,362,802 | 25 |
| 6 | 5,300 | 19 | 6,000 | | | 3,973 | 2,200 | 113 | 1,600 | | 27,185 | 27,000 | 185 | 56,200 | 26 |
| 74 | 39,753 | | | | | 7,601 | 6,161 | 198 | 1,242 | | 46,027 | 45,195 | 832 | 126,740 | 27 |
| 47 | 30,417 | 1 | 425 | | | 4,887 | 2,360 | 182 | 2,345 | | 59,346 | 58,730 | 616 | 122,555 | 28 |
| 20 | 8,900 | | | | | 2,149 | 1,595 | 34 | 520 | | 15,898 | 15,407 | 491 | 37,100 | 29 |
| 36 | 25,315 | 3 | 1,250 | | | 2,199 | 1,736 | 13 | 450 | | 5,375 | 5,300 | 75 | 12,250 | 30 |
| | | | | | | 6,580 | 4,060 | 402 | 1,818 | 300 | 33,511 | 32,557 | 954 | 92,802 | 31 |
| 197 | 165,072 | | | 9 | 2,650 | 620,570 | | 22,703 | 597,867 | | 224,617 | 201,456 | 23,161 | 1,439,956 | 32 |
| 11 | 7,280 | | | 1 | 150 | 3,110 | 2,366 | 126 | 618 | | 5,489 | 4,724 | 765 | 23,187 | 33 |
| 25 | 16,390 | 2 | 400 | | | 4,986 | 3,410 | 246 | 1,330 | | 59,380 | 59,240 | 140 | 100,798 | 34 |
| 301 | 221,760 | | | | | 31,070 | 1,215 | 4,805 | 10,350 | 14,700 | 377,622 | 372,489 | 5,133 | 734,082 | 35 |
| 266 | 213,364 | | | | | 5,156 | 742 | 1,199 | 3,215 | | 185,143 | 182,321 | 2,822 | 524,350 | 36 |
| 563 | 392,278 | | | | | 10,276 | 1,885 | 466 | 16,925 | | 502,099 | 498,510 | 3,589 | 1,002,350 | 37 |
| 38 | 19,981 | 18 | 7,438 | | | 4,116 | 812 | 379 | 3,425 | | 68,218 | 66,064 | 2,154 | 120,267 | 38 |
| 5 | 2,500 | 99 | 46,632 | | | 24,396 | 19,173 | 524 | 4,599 | | 105,738 | 104,970 | 763 | 242,744 | 39 |
| 29 | 15,757 | 1 | 250 | 2 | 240 | 4,921 | 2,640 | 345 | 1,930 | | 30,868 | 30,202 | 666 | 91,146 | 40 |
| 14 | 13,543 | | | | | 1,233 | 815 | 33 | 380 | | 3,571 | 2,961 | 610 | 27,780 | 41 |
| 24 | 23,231 | | | | | 3,275 | 850 | 372 | 1,644 | 409 | 28,882 | 27,850 | 532 | 83,370 | 42 |
| 15 | 10,400 | 4 | 1,020 | | | 3,405 | 4,150 | 150 | 4,105 | | 18,014 | 17,040 | 374 | 59,800 | 43 |
| 240 | 154,806 | | | 6 | 854 | 20,333 | 11,503 | 756 | 8,074 | | 125,668 | 125,124 | 544 | 397,056 | 44 |
| 43 | 25,706 | | | 1 | 203 | 3,503 | 2,426 | 177 | 900 | | 19,788 | 19,743 | 45 | 64,295 | 45 |
| 17 | 9,500 | 15 | 6,600 | | | 19,509 | 3,378 | 254 | 15,877 | | 50,575 | 50,136 | 439 | 124,438 | 46 |
| 45 | 28,035 | 19 | 7,634 | | | 23,026 | 14,307 | 656 | 8,063 | | 49,846 | 49,445 | 401 | 156,390 | 47 |
| 19 | 10,680 | 13 | 2,980 | | | 2,522 | 670 | 227 | 1,825 | | 27,211 | 25,636 | 1,575 | 64,790 | 48 |
| 214 | 142,401 | | | 1 | 265 | 25,395 | 12,997 | 796 | 9,882 | 2,220 | 313,362 | 311,757 | 1,595 | 537,217 | 49 |
| 77 | 36,885 | 1 | 350 | 1 | 150 | 6,990 | 720 | 1,625 | 4,645 | | 14,984 | 10,231 | 4,703 | 89,150 | 50 |
| 327 | 221,077 | 54 | 28,614 | 9 | 1,840 | 92,676 | 19,253 | 3,511 | 45,977 | 23,935 | 183,266 | 174,163 | 9,098 | 808,895 | 51 |

TABLE 8.—MANUFACTURES IN CITIES

DENVER—Continued.

| | MANUFACTURING AND MECHANICAL INDUSTRIES, AND CITIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|----|--|---------------------------|------------|----------|------------|--|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and imple- ments. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average number. | Wages. |
| 52 | Printing and publishing, newspapers and periodicals. | 65 | \$878,270 | \$30,000 | \$38,320 | \$504,604 | \$305,346 | 50 | 103 | \$189,291 | 649 | \$430,419 |
| 53 | Roofing and roofing materials | 13 | 57,720 | 15,300 | 8,850 | 15,420 | 18,150 | 13 | 11 | 6,769 | 67 | 31,107 |
| 54 | Saddlery and harness | 22 | 149,186 | 8,000 | 11,500 | 13,339 | 116,347 | 19 | 20 | 15,525 | 83 | 53,291 |
| 55 | Shirts | 5 | 15,600 | | | 2,550 | 13,050 | 4 | 3 | 2,412 | 51 | 19,264 |
| 56 | Slaughtering, wholesale, not including meat packing. | 5 | 68,843 | 8,000 | 4,700 | 18,000 | 38,143 | 2 | 9 | 6,960 | 40 | 25,274 |
| 57 | Soap and candles. | 3 | 205,154 | 20,000 | 40,500 | 81,179 | 63,475 | 2 | 10 | 16,674 | 50 | 25,762 |
| 58 | Tinsmithing, coppersmithing, and sheet-iron working. | 40 | 205,437 | 12,875 | 24,350 | 39,013 | 129,199 | 41 | 14 | 13,300 | 164 | 103,158 |
| 59 | Tobacco, cigars and cigarettes | 38 | 123,935 | 18,950 | 19,150 | 4,925 | 80,910 | 38 | 22 | 19,200 | 238 | 162,335 |
| 60 | Trunks and valises | 5 | 16,600 | 500 | 1,000 | 200 | 14,900 | 4 | 1 | 1,500 | 21 | 12,638 |
| 61 | Typewriter repairing. | 4 | 1,185 | | | 225 | 960 | 2 | 2 | 300 | 3 | 1,836 |
| 62 | Watch, clock, and jewelry repairing | 46 | 48,350 | 1,143 | 886 | 21,668 | 24,653 | 42 | 3 | 1,320 | 73 | 44,150 |
| 63 | Wirework, including wire, rope, and cable. | 3 | 49,210 | | | 21,160 | 28,050 | 1 | 8 | 7,600 | 31 | 18,500 |
| 64 | All other industries ¹ | 107 | 15,496,203 | 950,697 | 4,563,007 | 6,184,181 | 3,798,315 | 73 | 210 | 289,277 | 1,853 | 1,178,057 |

¹ Embraces artificial limbs, 2; baking and yeast powders, 1; billiard tables and materials, 1; boot and shoe uppers, 1; boots and shoes, factory product, 1; boxes, cigar, 2; boxes, fancy and paper, 2; boxes, wooden packing, 1; brassware, 1; carpets and rugs, other than rag, 1; carriage and wagon materials, 2; cars, street railroad, not including operation of railroad companies, 2; cheese, butter, and condensed milk, factory product, 2; chemicals, 2; china decorating, 2; clothing, men's, factory product, 1; clothing, women's, factory product, 2; coffee and spice, roasting and grinding, 2; coke, 1; cooperage, 1; cordials and sirups, 1; corsets, 2; druggists' preparations, not including prescriptions, 2; engraving and die-sinking, 1; engraving, steel, including plate printing, 1; engraving, wood, 1; fancy articles, not elsewhere specified, 1; flavoring extracts, 1; fruits and vegetables, canning and preserving, 1; gas, illuminating and heating, 1; gas machines and meters, 1; gloves and mittens, 1; gold and silver, reducing and refining, not from the ore, 1; hand stamps, 1; hardware, 1; hats and caps, not including fur hats, and wool hats, 1; ice, artificial, 2; ink, printing, 1; ink, writing, 1; instruments, professional and scientific, 2; iron and steel, 1; ironwork, architectural and

PUEBLO.

| | | | | | | | | | | | |
|--|-----|--------------|-----------|-------------|-------------|-------------|-----|-----|-----------|-------|-------------|
| 1 All industries. | 241 | \$12,374,248 | \$754,427 | \$3,806,645 | \$3,877,615 | \$3,935,561 | 217 | 320 | \$370,428 | 4,911 | \$3,044,280 |
| 2 Bicycle and tricycle repairing. | 7 | 11,802 | | | 3,272 | 8,530 | 6 | 4 | 3,720 | 12 | 6,301 |
| 3 Blacksmithing and wheelwrighting. | 13 | 7,836 | 500 | 825 | 2,310 | 3,700 | 18 | | | 8 | 5,622 |
| 4 Boots and shoes, custom work and repairing. | 15 | 2,852 | | | 1,587 | 1,265 | 15 | | | 4 | 2,343 |
| 5 Bottling. | 4 | 106,200 | 4,650 | 94,700 | 2,000 | 4,850 | 1 | 5 | 4,300 | 11 | 7,250 |
| 6 Bread and other bakery products. | 12 | 23,000 | 6,750 | 8,850 | 3,915 | 3,485 | 13 | 1 | 384 | 31 | 17,637 |
| 7 Brick and tile. | 8 | 7,700 | 300 | 1,700 | 2,200 | 3,500 | 2 | 1 | 900 | 17 | 6,804 |
| 8 Carpentering. | 17 | 28,653 | 6,500 | 6,600 | 6,053 | 4,400 | 18 | | | 92 | 54,622 |
| 9 Carriages and wagons. | 5 | 63,290 | 11,000 | 15,000 | 9,950 | 27,340 | 4 | 6 | 6,360 | 30 | 18,334 |
| 10 Cars and general shop construction and repairs by steam railroad companies. | 4 | 143,822 | 47,350 | 62,435 | 10,732 | 23,305 | | 14 | 14,735 | 338 | 208,448 |
| 11 Clothing, men's, custom work and repairing. | 15 | 18,154 | 2,500 | 1,600 | 2,182 | 11,872 | 16 | 2 | 2,400 | 30 | 20,235 |
| 12 Confectionery. | 6 | 104,814 | 3,500 | 1,500 | 47,976 | 51,838 | 5 | 21 | 18,379 | 61 | 22,171 |
| 13 Foundry and machine shop products. | 7 | 529,246 | 24,329 | 85,004 | 168,380 | 251,533 | 3 | 17 | 11,534 | 441 | 251,860 |
| 14 Furniture, cabinetmaking, repairing, and upholstering. | 4 | 4,195 | | | 1,095 | 3,100 | 3 | | | 6 | 4,320 |
| 15 Lead, smelting and refining. | 3 | 6,971,757 | 456,447 | 2,188,673 | 2,249,546 | 2,077,091 | | 65 | 121,553 | 1,529 | 1,134,343 |
| 16 Masonry, brick and stone. | 8 | 3,700 | | | 3,700 | | 9 | | | 92 | 78,873 |
| 17 Millinery, custom work. | 10 | 18,615 | | | 815 | 17,800 | 10 | 4 | 2,350 | 32 | 11,622 |
| 18 Painting, house, sign, etc. | 4 | 38,590 | | | 2,800 | 36,000 | 5 | 9 | 5,620 | 57 | 42,384 |
| 19 Photography. | 4 | 8,100 | | | 3,300 | 4,800 | 4 | | | 9 | 5,503 |
| 20 Plastering and stucco work. | 6 | 1,025 | | | 825 | 200 | 9 | | | 20 | 15,025 |
| 21 Plumbing, and gas and steam fitting. | 8 | 36,184 | | | 3,010 | 33,174 | 7 | 8 | 5,380 | 61 | 45,359 |
| 22 Printing and publishing, book and job. | 4 | 24,000 | | | 18,700 | 5,300 | 4 | 3 | 3,520 | 21 | 11,354 |
| 23 Printing and publishing, newspapers and periodicals. | 11 | 131,009 | 8,800 | 20,000 | 44,249 | 57,960 | 9 | 5 | 7,280 | 90 | 43,763 |
| 24 Saddlery and harness. | 6 | 50,192 | | | 5,467 | 44,725 | 6 | 4 | 4,932 | 49 | 31,940 |
| 25 Tinsmithing, coppersmithing, and sheet-iron working. | 7 | 18,775 | | | 6,925 | 11,850 | 7 | 4 | 4,452 | 14 | 13,443 |
| 26 Tobacco, cigars, and cigarettes. | 4 | 13,530 | 4,250 | 3,000 | 555 | 5,725 | 6 | | | 12 | 7,686 |
| 27 Watch, clock, and jewelry repairing. | 12 | 10,915 | 2,000 | 1,200 | 4,680 | 3,035 | 9 | 2 | 2,344 | 11 | 6,412 |
| 28 All other industries ¹ . | 42 | 4,001,683 | 175,551 | 1,315,553 | 1,271,391 | 1,239,183 | 23 | 145 | 150,185 | 1,833 | 970,317 |

¹ Embraces awnings, tents, and sails, 1; bicycles and tricycles, 1; bookbinding and blank book making, 1; boot and shoe uppers, 1; brass castings and brass finishing, 1; bridges, 1; brooms and brushes, 1; carpets, rag, 1; china decorating, 1; clothing, women's, dressmaking, 1; corsets, 1; dyeing and cleaning, 2; electrical construction and repairs, 2; flavoring extracts, 1; flouring and grist mill products, 1; fruits and vegetables, canning and preserving, 1; fur goods, 1; gas, illuminating and heating, 1; ice, artificial, 1; iron and steel, 2; liquors, malt, 1; lock and gun smithing, 2; lumber, planing mill products, including sash, doors, and blinds, 1;

TABLE 9.—MANUFACTURES IN CITIES

| | | | | | | | | | | | |
|-----------------------------------|-----|-------------|-----------|-------------|-------------|-------------|-----|-----|-----------|-------|-------------|
| 1 Total for cities. | 610 | \$6,186,110 | \$409,343 | \$1,258,966 | \$2,475,229 | \$2,042,572 | 666 | 224 | \$206,090 | 3,276 | \$2,160,217 |
| 2 Aspen. | 53 | 104,675 | 8,050 | 14,265 | 35,075 | 52,285 | 50 | 3 | 1,073 | 68 | 41,939 |
| 3 Colorado Springs ¹ . | 159 | 1,446,189 | 187,621 | 121,713 | 619,223 | 517,632 | 180 | 109 | 71,719 | 822 | 489,337 |
| 4 Cripple Creek. | 127 | 342,256 | 34,200 | 46,925 | 82,700 | 178,431 | 137 | 34 | 31,370 | 400 | 336,591 |
| 5 Leadville. | 115 | 3,632,766 | 117,323 | 953,808 | 1,580,884 | 980,746 | 119 | 40 | 75,468 | 1,376 | 854,095 |
| 6 Trinidad. | 87 | 431,451 | 35,469 | 105,322 | 115,629 | 225,031 | 101 | 22 | 20,672 | 329 | 202,422 |
| 7 Victor. | 69 | 178,773 | 31,675 | 16,933 | 41,718 | 88,447 | 79 | 7 | 5,783 | 231 | 244,833 |

¹ Population 21,085, but not considered a manufacturing city, and therefore presented by totals only.

BY SPECIFIED INDUSTRIES: 1900—Continued.

DENVER—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-----------|------------------------------|----------|------------------------------|---------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 592 | \$407,381 | 44 | \$20,615 | 13 | \$2,473 | \$206,880 | \$26,945 | \$3,736 | \$118,157 | \$58,042 | \$316,798 | \$305,223 | \$11,575 | \$1,519,777 | 52 |
| 67 | 31,107 | | | | | 7,197 | 1,628 | 364 | 5,205 | | 94,130 | 92,535 | 1,595 | 177,094 | 53 |
| 82 | 53,091 | | | 1 | 200 | 12,439 | 6,482 | 984 | 4,973 | | 163,879 | 162,959 | 920 | 282,008 | 54 |
| 5 | 3,900 | 46 | 15,364 | | | 2,215 | 1,156 | 109 | 950 | | 39,870 | 39,710 | 160 | 73,500 | 55 |
| 40 | 25,274 | | | | | 7,689 | 1,400 | 739 | 5,550 | | 592,960 | 590,989 | 1,971 | 665,023 | 56 |
| 45 | 24,450 | 5 | 1,312 | | | 14,811 | 1,386 | 1,805 | 12,120 | | 170,087 | 168,004 | 2,083 | 241,544 | 57 |
| 154 | 99,568 | 8 | 3,200 | 2 | 390 | 81,077 | 11,870 | 1,765 | 14,142 | 3,800 | 259,612 | 256,940 | 2,672 | 503,841 | 58 |
| 205 | 146,465 | 81 | 15,650 | 2 | 220 | 46,363 | 4,541 | 863 | 39,524 | 1,435 | 155,887 | 155,282 | 605 | 475,494 | 59 |
| 21 | 12,638 | | | | | 3,592 | 786 | 69 | 2,737 | | 10,101 | 10,055 | 46 | 37,921 | 60 |
| 3 | 1,836 | | | | | 777 | 520 | 22 | 235 | | 1,380 | 1,360 | 20 | 5,082 | 61 |
| 71 | 43,374 | 2 | 776 | | | 14,693 | 9,779 | 728 | 3,786 | 400 | 36,354 | 35,637 | 717 | 136,605 | 62 |
| 31 | 18,500 | | | | | 8,950 | 1,920 | 360 | 6,670 | | 51,480 | 53,280 | 1,200 | 98,200 | 63 |
| 1,569 | 1,102,686 | 260 | 69,953 | 24 | 5,413 | 351,790 | 40,164 | 54,346 | 256,880 | 400 | 14,557,025 | 14,037,037 | 519,988 | 18,956,078 | 64 |

ornamental, 1; jewelry and instrument cases, 1; lamps and reflectors, 2; lead, bar, pipe, and sheet, 1; lead, smelting and refining, 2; leather goods, 1; lithographing and engraving, 2; millinery and lace goods, 1; musical instruments and materials, not specified, 2; musical instruments, organs and materials, 1; musical instruments, pianos and materials, 1; paints, 2; paper, 1; paving and paving materials, 2; perfumery and cosmetics, 1; photographic materials, 2; photolithographing and photoengraving, 1; plastering and stuccowork, 2; plumbers' supplies, 1; printing materials, 1; refrigerators, 2; regalia and society banners and emblems, 1; scales and balances, 2; sewing machine repairing, 1; show cases, 1; slaughtering and meat packing, wholesale, 2; sporting goods, 1; steam fittings and heating apparatus, 2; stereotyping and electrotyping, 2; surgical appliances, 2; taxidermy, 2; tobacco, chewing, smoking, and snuff, 2; tools, not elsewhere specified, 1; umbrellas and canes, 1; vinegar and cider, 1; washing machines and clothes wringers, 1.

PUEBLO.

| | | | | | | | | | | | | | | | |
|-------|-------------|-----|----------|----|---------|-----------|----------|----------|-----------|----------|--------------|--------------|-------------|--------------|----|
| 4,756 | \$3,000,093 | 127 | \$39,667 | 28 | \$4,520 | \$577,501 | \$46,480 | \$34,232 | \$130,926 | \$65,863 | \$22,589,669 | \$21,448,078 | \$1,141,591 | \$30,795,481 | 1 |
| 12 | 6,301 | | | | | 3,116 | 2,272 | 100 | 744 | | 12,852 | 12,333 | 469 | 33,125 | 2 |
| 7 | 5,466 | | | 1 | 156 | 2,034 | 1,858 | 73 | 103 | | 7,564 | 7,108 | 456 | 33,645 | 3 |
| 4 | 2,343 | | | | | 2,106 | 1,939 | 31 | 136 | | 7,128 | 7,034 | 91 | 20,727 | 4 |
| 10 | 7,000 | | | 1 | 250 | 690 | | 17 | 673 | | 26,043 | 25,805 | 238 | 43,638 | 5 |
| 26 | 16,292 | 5 | 1,245 | | | 7,208 | 2,602 | 709 | 3,897 | | 52,167 | 50,352 | 1,815 | 90,989 | 6 |
| 17 | 6,804 | | | | | 852 | 450 | 44 | 358 | | 4,657 | 1,447 | 3,210 | 15,600 | 7 |
| 92 | 54,622 | | | | | 66,261 | 655 | 148 | 1,658 | 63,800 | 99,923 | 99,816 | 107 | 257,788 | 8 |
| 30 | 18,334 | | | | | 3,238 | 886 | 852 | 1,500 | | 20,303 | 19,840 | 463 | 57,784 | 9 |
| 338 | 208,448 | | | | | 1,405 | | 1,167 | 238 | | 162,884 | 159,924 | 2,960 | 337,522 | 10 |
| 19 | 15,157 | 10 | 4,922 | 1 | 156 | 4,220 | 3,069 | 252 | 899 | | 20,499 | 20,208 | 291 | 58,714 | 11 |
| 25 | 14,984 | | | | | 27,907 | 3,660 | 685 | 23,562 | | 70,273 | 68,727 | 1,546 | 135,598 | 12 |
| 441 | 251,860 | 34 | 7,032 | 2 | 155 | 36,501 | 1,260 | 1,808 | 33,433 | | 413,532 | 393,622 | 19,910 | 1,183,903 | 13 |
| 6 | 4,329 | | | | | 750 | 450 | 60 | 190 | 50 | 6,004 | 5,949 | 55 | 16,276 | 14 |
| 1,529 | 1,134,343 | | | | | 33,555 | | 9,824 | 23,731 | | 16,440,307 | 15,884,282 | 556,115 | 19,829,549 | 15 |
| 92 | 78,873 | | | | | 3,185 | 1,030 | | 1,355 | 800 | 67,507 | 67,507 | | 177,659 | 16 |
| 57 | 42,384 | 32 | 11,522 | | | 5,517 | 4,257 | 385 | 875 | | 32,998 | 32,871 | 127 | 66,250 | 17 |
| 7 | 4,783 | | | | | 5,000 | 1,806 | 608 | 2,586 | | 32,181 | 32,125 | 56 | 109,141 | 18 |
| 20 | 15,025 | 2 | 720 | | | 2,080 | 1,260 | 63 | 757 | | 5,448 | 5,267 | 181 | 22,905 | 19 |
| | | | | | | 1,070 | | | 446 | 624 | 13,805 | 13,720 | 85 | 39,164 | 20 |
| 59 | 45,059 | | | 2 | 300 | 3,736 | 1,633 | 131 | 1,972 | | 54,608 | 54,078 | 530 | 134,050 | 21 |
| 20 | 10,854 | 1 | 500 | | | 2,241 | 1,692 | 146 | 403 | | 13,359 | 12,816 | 513 | 42,100 | 22 |
| 80 | 40,716 | 7 | 2,335 | 3 | 712 | 20,823 | 1,750 | 1,938 | 17,446 | 589 | 32,318 | 31,010 | 1,308 | 137,281 | 23 |
| 47 | 31,485 | 1 | 390 | 1 | 65 | 6,984 | 2,692 | 537 | 3,755 | | 65,265 | 64,842 | 423 | 119,263 | 24 |
| 14 | 13,443 | | | | | 1,553 | 1,125 | 173 | 250 | | 33,824 | 33,550 | 274 | 68,287 | 25 |
| 12 | 7,686 | | | | | 1,835 | 100 | 89 | 1,646 | | 8,390 | 8,274 | 116 | 20,200 | 26 |
| 11 | 6,412 | | | | | 2,396 | 1,989 | 52 | 355 | | 5,859 | 5,794 | 65 | 24,232 | 27 |
| 1,781 | 957,090 | 85 | 11,001 | 17 | 2,726 | 331,238 | 8,045 | 15,235 | 307,958 | | 4,879,881 | 4,329,697 | 550,184 | 7,670,091 | 28 |

marble and stone work, 2; mattresses and spring beds, 2; mineral and soda waters, 1; monuments and tombstones, 1; optical goods, 1; paper hanging, 1; paving and paving materials, 2; pottery, terra cotta, and fire-clay products, 1; sewing machine repairing, 1; slaughtering and meat packing, wholesale, 2; trunks and valises, 1.

UNDER 20,000 IN POPULATION: 1900.

| | | | | | | | | | | | | | | | |
|-------|-------------|-----|----------|----|---------|-----------|-----------|----------|-----------|-----------|-------------|-------------|-----------|--------------|---|
| 3,089 | \$2,108,125 | 158 | \$56,505 | 29 | \$4,587 | \$524,770 | \$116,965 | \$30,880 | \$243,130 | \$133,795 | \$7,360,651 | \$6,937,383 | \$429,268 | \$11,508,788 | 1 |
| 54 | 36,801 | 14 | 5,138 | | | 12,663 | 5,848 | 1,653 | 5,162 | | 87,084 | 83,656 | 3,428 | 206,447 | 2 |
| 748 | 467,935 | 57 | 18,427 | 17 | 2,915 | 202,039 | 39,952 | 11,172 | 86,091 | 64,824 | 798,527 | 776,215 | 22,312 | 1,840,642 | 3 |
| 352 | 320,329 | 44 | 15,574 | 4 | 688 | 61,471 | 28,879 | 4,209 | 20,403 | 10,980 | 714,016 | 703,012 | 11,004 | 1,417,846 | 4 |
| 1,352 | 843,705 | 20 | 10,030 | 4 | 360 | 94,829 | 23,159 | 8,009 | 63,111 | 550 | 5,061,979 | 4,681,667 | 380,312 | 6,436,680 | 5 |
| 308 | 197,164 | 18 | 4,806 | 3 | 452 | 79,961 | 11,232 | 4,574 | 57,914 | 6,241 | 238,212 | 230,811 | 7,901 | 679,649 | 6 |
| 275 | 242,181 | 5 | 2,530 | 1 | 172 | 70,807 | 7,895 | 1,263 | 10,449 | 61,200 | 466,833 | 462,522 | 4,311 | 922,524 | 7 |

UTAH.

Utah was organized as a territory in 1850, but until 1868 its area was much greater than that of the present state. The Ninth Census (1870) is, therefore, the first with which comparison can be made.

Table 1 shows the manufacturing and mechanical industries as returned at the censuses of 1850 to 1900, inclusive, with the percentages of increase for each decade. This table

also presents the average number of wage-earners employed by manufacturing establishments, in comparison with the total population of the state, and the value of the land and buildings owned and reported by manufacturers as capital, in comparison with the assessed value of all real estate and improvements.

TABLE 1.—COMPARATIVE SUMMARY 1850 TO 1900, WITH PER CENT OF INCREASE FOR EACH DECADE.

| | DATE OF CENSUS. | | | | | | PER CENT OF INCREASE. | | | | |
|--|-----------------|--------------|--------------|-------------|-----------|-----------|-----------------------|--------------|--------------|--------------|--------------|
| | 1900 | 1890 | 1880 | 1870 | 1860 | 1850 | 1890 to 1900 | 1880 to 1890 | 1870 to 1880 | 1860 to 1870 | 1850 to 1860 |
| Number of establishments | 1,400 | 581 | 640 | 533 | 148 | 14 | 163.7 | 117.0 | 20.1 | 260.1 | 957.1 |
| Capital | \$14,050,948 | \$6,583,022 | \$2,656,657 | \$1,391,898 | \$443,356 | \$44,400 | 122.6 | 147.8 | 90.9 | 213.9 | 898.5 |
| Salaried officials, clerks, etc., number | 740 | 4631 | (3) | (3) | (3) | (3) | 17.3 | 7.9 | | | |
| Salaries | \$566,165 | \$524,640 | (3) | (3) | (3) | (3) | 52.1 | 74.3 | 62.6 | 294.3 | 662.7 |
| Wage-earners, average number | 6,615 | 4,349 | 2,495 | 1,534 | 380 | 51 | 54.6 | 155.1 | 117.2 | 70.6 | 2220.7 |
| Total wages | \$3,388,870 | \$2,191,265 | \$858,863 | \$395,365 | \$231,701 | \$9,984 | 52.6 | 79.1 | 39.4 | 285.5 | 645.1 |
| Men, 16 years and over | 5,579 | 3,657 | 2,042 | 1,465 | 380 | 51 | 54.0 | | | | |
| Wages | \$3,143,090 | \$2,041,814 | (3) | (3) | (3) | \$9,984 | 68.7 | 119.5 | 414.0 | 377.8 | |
| Women, 16 years and over | 818 | 485 | (3) | (3) | (3) | 9 | 68.8 | | | | |
| Wages | \$207,852 | \$123,117 | (3) | (3) | (3) | | 5.3 | 110.8 | 792.3 | | |
| Children, under 16 years | 218 | 207 | 232 | 26 | | | 39.5 | | | | |
| Wages | \$37,428 | \$26,834 | (3) | (3) | | | 103.8 | | | | |
| Miscellaneous expenses | \$929,173 | \$455,968 | (4) | (4) | (4) | (4) | 203.7 | 66.0 | 106.9 | 181.7 | 30.3 |
| Cost of materials used | \$12,912,704 | \$4,252,030 | \$2,561,737 | \$1,238,252 | \$439,512 | \$337,381 | 138.1 | 106.0 | 84.6 | 160.3 | 209.1 |
| Value of products, including custom work and repairing | \$21,215,783 | \$8,911,047 | \$4,324,992 | \$2,343,019 | \$900,153 | \$291,220 | 32.2 | 44.4 | 65.9 | 115.5 | 253.9 |
| Total population | 274,952 | 207,905 | 143,963 | 86,786 | 40,273 | 11,380 | 52.1 | 74.3 | 62.6 | 294.3 | 662.7 |
| Wage-earners engaged in manufactures | 6,615 | 4,349 | 2,495 | 1,534 | 380 | 51 | 30.9 | 442.8 | 109.7 | 2360.0 | 115.2 |
| Per cent of total population | 2.4 | 2.1 | 1.7 | 1.8 | 1.0 | 0.4 | | | | | |
| Assessed value of real estate | \$104,970,258 | \$80,218,871 | \$14,770,344 | \$7,047,881 | \$286,504 | \$337,866 | 126.6 | | | | |
| Value of land and buildings invested in manufactures | \$4,803,687 | \$2,119,986 | (3) | (3) | (3) | (3) | | | | | |
| Per cent of assessed value | 4.6 | 2.6 | | | | | | | | | |

¹ Decrease.

² Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 6.)

³ Not reported separately.

⁴ Not reported.

⁵ Exclusive of 1,797 Indians and other persons on Indian reservations, which

classes were not included at previous censuses.

⁶ Total assessed valuation, real estate not separated, as given for the year 1900, in Dana's Supplement, "State and City," to the Commercial and Financial Chronicle, under date of April 13, 1901.

⁷ Does not include the value of rented property.

Table 2 divides the industries of the state between the hand trades and the manufactures proper. This table also gives the statistics for institutions and establishments with a product of less than \$500; these were not reported at previous censuses, and therefore are omitted from the other tables, and their use confined to Table 2.

In addition to the 1,669 active establishments in the state during the census year, with a capital of \$15,043,958, shown in Table 2, there were 16 idle establishments, with a

capital of \$276,471. Of these, 2, with a capital of \$30,800, were reported for the manufacture of brick and tile; 5, with a combined capital of \$17,775, for the manufacture of flouring and grist mill products; 1, with a capital of \$188,346, for lead smelting and refining; and 1, with a capital of \$21,500, for the manufacture of lime and cement. The remaining idle capital, amounting to \$18,550, was invested in comparatively small establishments reported for various industries.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

| CLASSES. | Number of establishments. | Capital. | Proprietors and firm members. | WAGE-EARNERS. | | Miscellaneous expenses. | COST OF MATERIALS USED. | | | | Value of products, including custom work and repairing. |
|--|---------------------------|--------------|-------------------------------|-----------------|--------------|-------------------------|-------------------------|-------------------------|---|---------------------|---|
| | | | | Average number. | Total wages. | | Total. | Purchased in raw state. | Purchased in partially manufactured form. | Fuel, freight, etc. | |
| Total | 1,669 | \$15,043,958 | 1,817 | 6,666 | \$3,395,900 | \$934,001 | \$12,942,107 | \$7,837,552 | \$4,054,567 | \$1,049,988 | \$21,299,500 |
| Hand trades ¹ | 614 | 918,939 | 717 | 1,074 | 537,989 | 154,311 | 950,885 | 16,283 | 885,375 | 49,178 | 2,333,716 |
| Educational institutions | 5 | 302,117 | | 26 | 5,220 | 850 | 7,682 | 519 | 6,449 | 714 | 15,732 |
| Establishments with a product of less than \$500 | 264 | 90,803 | 287 | 25 | 2,310 | 3,978 | 21,721 | 898 | 20,599 | 224 | 67,985 |
| All other establishments | 786 | 13,732,009 | 813 | 5,541 | 2,850,351 | 774,862 | 11,961,868 | 7,819,852 | 3,142,144 | 999,872 | 18,882,067 |

¹ Includes bicycle and tricycle repairing, 21; blacksmithing and wheelwrighting, 187; boots and shoes, custom work and repairing, 80; carpentering, 43; clothing, men's, custom work and repairing, 62; clothing, women's, dressmaking, 28; dyeing and cleaning, 5; furniture, cabinetmaking, repairing, and upholstering, 9; lock and gun smithing, 7; masonry, brick and stone, 5; millinery, custom work, 52; painting, house, sign, etc., 29; paper hanging, 3; plastering and stuccowork, 3; plumbing, and gas and steam fitting, 27; sewing machine repairing, 4; taxidermy, 2; typewriter repairing, 1; watch, clock, and jewelry repairing, 46.

Of the 1,669 establishments of all classes, 878, or 52.6 per cent, were small shops included in the group of "hand trades" and "establishments with a product of less than \$500." The value of products of these establishments, consisting chiefly of sums received for custom work and repairing, amounted to \$2,401,701, or only 11.3 per cent of the total products for the state.

Table 1 shows a rapid increase in the manufacturing and mechanical industries of Utah, but, as previously explained, the statistics for 1850 and 1860 pertain to a greater area than that now covered by the state. The increase during the last decade is largely due to the inclusion as a manufacturing industry in 1900 of lead smelting and refining—which industry was included in the report on mineral industries in 1880 and 1890. The totals for 1870 included one establishment with a product valued at \$75,000, engaged in milling quartz, an industry which has been excluded from the reports on manufactures since that time. The lead mined in the state during 1899 amounted to 13 per cent of the total production of the United States,¹ and the smelting and refining of this ore is the most important industry manufacturing for the outside market; but as only two establishments were reported for 1900, the statistics cannot be shown separately without disclosing the operations of individual establishments, and are therefore grouped with "All other industries." The product of these smelters includes the precious metals as well as lead, the value of the silver largely exceeding the value of lead produced.

The highly concentrated brine of Great Salt Lake has made the manufacture of salt an important industry in the state, although the value of the product reported in 1900 was but \$139,488, as compared with \$144,300 in 1890.

Another leading industry was the manufacture of boots and shoes, with a product valued at \$225,986. Among the lines of industrial activity dependent upon the agricultural and horticultural products of the state, are flour and grist milling, with a product valued at \$1,829,840; the canning of fruits and vegetables, with a product valued at \$300,349; the manufacture of beet sugar, with a product valued at \$1,037,355; of malt liquors, with a product valued at \$432,835; and of butter and cheese, with a product valued at \$713,889.

Three other large industries show value of products as follows: Construction and repair shops of steam railroads,

\$1,306,591; foundry and machine shops, \$217,392; and lumber and timber products, \$214,187.

URBAN MANUFACTURES.

Table 3 shows the totals for the manufacturing and mechanical industries of Salt Lake City as returned at the censuses of 1880, 1890, and 1900 with the percentages of increase.

TABLE 3.—COMPARATIVE SUMMARY, SALT LAKE CITY, 1880, 1890, AND 1900, WITH PER CENT OF INCREASE FOR EACH DECADE.

| | DATE OF CENSUS. | | | Per cent of increase. | |
|--|-----------------|-------------|------------------|-----------------------|--------------|
| | 1900 | 1890 | 1880 | 1890 to 1900 | 1880 to 1890 |
| Number of establishments | 432 | 175 | 166 | 146.9 | 5.4 |
| Capital | \$4,048,906 | \$3,854,035 | \$860,415 | 20.7 | 289.8 |
| Wage-earners, average number | 2,977 | 1,986 | 928 | 49.9 | 114.0 |
| Total wages | \$1,601,253 | \$1,205,454 | \$425,537 | 32.8 | 188.3 |
| Miscellaneous expenses | \$473,634 | \$291,255 | (¹) | 64.7 | |
| Cost of materials used | \$2,713,674 | \$1,966,818 | \$812,736 | 39.5 | 142.0 |
| Value of products, including custom work and repairing | \$6,109,409 | \$4,624,419 | \$1,610,188 | 32.1 | 187.2 |

¹ Not reported.

It appears from Table 3 that there has been a considerable increase during the past decade in the manufactures of the city. The number of establishments increased from 175 to 432, or 146.9 per cent; the average number of wage-earners from 1,986 to 2,977, or 49.9 per cent; and the value of products from \$4,624,419 to \$6,109,409, or 31.1 per cent. There were 432 establishments in Salt Lake City in 1900, or 30.9 per cent of the entire number located within the state. These establishments had a combined capital amounting to \$4,048,906, or 27.6 per cent of all the capital employed in the state. Of the wage-earners, 2,977, or 45 per cent of all in the state were employed in Salt Lake City. The total amount of wages paid in the city amounted to \$1,601,253, or 47.3 per cent of all wages paid in the state. The value of products, including custom work and repairing, during 1900 was \$6,109,409, or 28.8 per cent of the total products of the state.

Table 4 combines the totals for the industries in Brigham, Lehi City, Logan, Ogden, Park City, Provo City, Salt Lake City, and Springville, and places them in comparison with the totals for the entire state and the state exclusive of these cities.

¹ Production of Lead in 1899, page 9. (Extract from Annual Report of the Geological Survey, 1899-1900, Part VI.)

TABLE 4.—URBAN MANUFACTURES.

| | Number of establishments. | Capital. | Proprietors and firm members. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | Value of products, including custom work and repairing. |
|--|---------------------------|--------------|-------------------------------|-----------------|--------------|-------------------------|-------------------------|---|
| | | | | Average number. | Total wages. | | | |
| Total for state..... | 1,400 | \$14,650,948 | 1,530 | 6,615 | \$3,888,370 | \$929,173 | \$12,912,704 | \$21,215,788 |
| Total for urban manufactures..... | 791 | 7,152,178 | 876 | 4,144 | 2,156,543 | 658,984 | 4,295,857 | 9,089,685 |
| Brigham..... | 33 | 104,944 | 36 | 74 | 27,709 | 4,650 | 105,142 | 181,701 |
| Lehi City..... | 16 | 1,267,570 | 20 | 73 | 103,804 | 53,080 | 368,847 | 721,381 |
| Logan..... | 63 | 279,352 | 76 | 181 | 62,081 | 14,453 | 218,491 | 376,055 |
| Ogden..... | 151 | 734,831 | 163 | 537 | 235,897 | 73,665 | 542,753 | 1,102,765 |
| Park City..... | 22 | 43,714 | 30 | 24 | 13,531 | 3,952 | 23,204 | 72,172 |
| Provo City..... | 57 | 515,496 | 66 | 234 | 105,408 | 23,931 | 216,444 | 431,120 |
| Salt Lake City..... | 432 | 4,048,906 | 462 | 2,977 | 1,601,253 | 479,694 | 2,743,674 | 6,109,409 |
| Springville..... | 17 | 155,760 | 18 | 14 | 6,860 | 4,909 | 77,242 | 95,482 |
| Total for state, exclusive of urban manufactures..... | 609 | 7,498,775 | 654 | 2,471 | 1,231,827 | 270,239 | 8,616,847 | 12,126,098 |
| Per cent of urban manufactures to total for state..... | 56.5 | 48.8 | 57.3 | 62.6 | 63.6 | 70.9 | 33.3 | 42.8 |

Of the 1,400 establishments in the state, 791, or 56.5 per cent, are located in these 8 cities. The capital reported for these establishments is \$7,152,173, or 48.8 per cent of that of the entire state. They furnished employment to 4,144 wage-earners, or 62.6 per cent of the total number, paid \$3,388,370 in wages, or 63.6 per cent of the total amount, and the value of their products, \$9,089,685, formed 42.8 per cent of the total for the state.

Table 5 shows the totals for the state by counties.

Table 6 shows the totals for the state by specified industries.

Table 7 shows the totals for Salt Lake City by specified industries.

Table 8 shows the totals for all industries in the cities withdrawn from the enumerators, exclusive of Salt Lake City, shown in Table 7.

TABLE 5.—MANUFACTURES

| COUNTIES AND MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of estab- lish- ments. | CAPITAL. | | | | | Propri- etors and firm mem- bers. | SALARIED OF- FICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|--|---|--------------|-------------|-------------|--|-----------------------|--|--|-----------|---|-------------|
| | | Total. | Land. | Buildings. | Machinery, tools, and imple- ments. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | Average num- ber. | Wages. |
| The State ----- | 1,400 | \$14,650,948 | \$1,907,868 | \$2,895,819 | \$5,217,298 | \$4,629,963 | 1,530 | 740 | \$566,165 | 6,615 | \$3,388,370 |
| Beaver ----- | 12 | 37,384 | 2,075 | 12,174 | 20,775 | 2,360 | 9 | 6 | 4,740 | 26 | 10,803 |
| Boxelder ----- | 37 | 141,504 | 16,013 | 36,205 | 48,942 | 40,344 | 40 | 11 | 2,793 | 76 | 28,669 |
| Cache ----- | 101 | 435,007 | 75,515 | 92,080 | 118,170 | 148,842 | 110 | 33 | 18,725 | 250 | 87,782 |
| Carbon ----- | 8 | 79,482 | 1,800 | 10,265 | 63,733 | 3,684 | 7 | 11 | 10,525 | 93 | 68,234 |
| Davis ----- | 35 | 143,551 | 7,470 | 31,910 | 45,736 | 58,435 | 35 | 20 | 7,664 | 114 | 44,885 |
| Emery ----- | 13 | 48,028 | 1,045 | 16,055 | 23,175 | 7,753 | 14 | 2 | 840 | 11 | 4,190 |
| Garfield ¹ ----- | 16 | 39,482 | 2,555 | 6,660 | 24,557 | 5,710 | 19 | 3 | 1,500 | 34 | 9,045 |
| Grand ----- | 4 | 3,020 | 670 | 925 | 1,076 | 450 | 5 | | | | |
| Iron ----- | 16 | 38,548 | 3,250 | 12,550 | 17,603 | 5,145 | 13 | | | 13 | 4,055 |
| Junab. ----- | 42 | 119,703 | 5,885 | 9,412 | 48,690 | 55,716 | 42 | 12 | 6,545 | 83 | 43,306 |
| Kane ----- | 11 | 14,300 | 1,765 | 2,630 | 7,725 | 2,270 | 11 | 1 | 25 | 7 | 1,550 |
| Millard ----- | 15 | 39,216 | 730 | 12,020 | 17,675 | 8,791 | 15 | 2 | 700 | 15 | 5,539 |
| Morgan ----- | 13 | 22,781 | 3,390 | 4,975 | 9,005 | 6,211 | 16 | 2 | 230 | 6 | 2,325 |
| Rich ----- | 6 | 22,345 | 1,280 | 11,715 | 2,950 | 6,400 | 8 | 1 | 200 | 9 | 4,400 |
| Salt Lake ----- | 502 | 8,848,495 | 1,318,865 | 1,863,720 | 2,898,466 | 2,767,464 | 538 | 423 | 378,188 | 4,146 | 2,178,543 |
| Sanpete ----- | 74 | 212,785 | 16,110 | 40,565 | 90,136 | 65,924 | 77 | 12 | 3,271 | 86 | 31,185 |
| Sevier ----- | 50 | 105,107 | 9,680 | 18,605 | 55,370 | 21,452 | 60 | 2 | 1,000 | 50 | 16,660 |
| Summit ----- | 33 | 92,650 | 10,535 | 18,822 | 27,870 | 35,423 | 43 | 6 | 4,800 | 54 | 21,916 |
| Tooele ----- | 29 | 85,360 | 6,890 | 11,790 | 20,360 | 46,320 | 42 | 2 | 720 | 30 | 16,188 |
| Uinta ----- | 25 | 55,720 | 3,935 | 6,780 | 35,035 | 9,970 | 28 | | | 37 | 14,555 |
| Utah ----- | 156 | 2,139,715 | 167,635 | 308,745 | 905,309 | 757,026 | 183 | 50 | 42,062 | 439 | 260,030 |
| Wasatch ----- | 12 | 40,146 | 7,850 | 9,286 | 20,050 | 2,960 | 11 | 11 | 3,300 | 22 | 7,433 |
| Washington ----- | 9 | 68,394 | 2,735 | 25,800 | 24,375 | 15,484 | 7 | 8 | 2,542 | 13 | 4,640 |
| Wayne ----- | 7 | 16,080 | 694 | 4,220 | 10,225 | 941 | 11 | | | 4 | 1,144 |
| Weber ----- | 174 | 1,802,105 | 239,396 | 327,010 | 679,311 | 556,388 | 191 | 117 | 75,795 | 997 | 526,648 |

¹ Includes establishments distributed as follows: Piute, 1; San Juan, 1.

TABLE 6.—MANUFACTURES BY

| 1 | All industries | 1,400 | \$14,650,948 | \$1,907,868 | \$2,895,819 | \$5,217,298 | \$4,629,963 | 1,530 | 740 | \$566,165 | 6,615 | \$3,388,370 |
|----|--|-------|--------------|-------------|-------------|-------------|-------------|-------|-----|-----------|-------|-------------|
| 2 | Awnings, tents, and sails | 4 | 28,000 | | | 2,750 | 25,250 | 4 | | | 14 | 5,640 |
| 3 | Bicycle and tricycle repairing | 21 | 27,422 | 460 | 1,000 | 9,089 | 16,873 | 24 | 4 | 1,600 | 30 | 10,836 |
| 4 | Blacksmithing and wheelwrighting | 187 | 162,804 | 34,335 | 32,069 | 40,295 | 56,105 | 227 | 4 | 1,850 | 117 | 58,022 |
| 5 | Boots and shoes, custom work and repairing | 80 | 52,664 | 9,515 | 18,125 | 12,130 | 17,894 | 83 | | | 39 | 16,028 |
| 6 | Boots and shoes, factory product | 3 | 124,267 | 4,750 | 33,036 | 21,743 | 64,738 | 2 | 17 | 17,432 | 140 | 52,558 |
| 7 | Bread and other bakery products | 29 | 209,802 | 38,750 | 41,025 | 83,188 | 46,949 | 30 | 20 | 10,481 | 107 | 46,041 |
| 8 | Brick and tile | 49 | 171,357 | 16,778 | 43,661 | 61,530 | 49,388 | 77 | 11 | 6,705 | 249 | 89,245 |
| 9 | Carpentering | 43 | 220,588 | 37,505 | 41,085 | 23,840 | 118,158 | 58 | 18 | 13,314 | 209 | 112,968 |
| 10 | Carpets, rag | 3 | 270 | 20 | 50 | 160 | 40 | 3 | | | | |
| 11 | Carriages and wagons | 5 | 36,674 | 2,500 | 12,300 | 3,650 | 18,224 | 5 | 8 | 1,250 | 38 | 17,213 |
| 12 | Cars and general shop construction and repairs by steam railroad companies | 10 | 496,149 | 141,200 | 115,450 | 147,412 | 92,087 | | 46 | 49,389 | 908 | 636,076 |
| 13 | Cheese, butter, and condensed milk, factory product | 57 | 269,247 | 11,851 | 80,861 | 113,007 | 64,028 | 39 | 54 | 15,976 | 159 | 63,135 |
| 14 | Clothing, men's, custom work and repairing | 62 | 134,445 | 5,625 | 9,650 | 9,996 | 109,174 | 67 | 7 | 5,100 | 213 | 122,808 |
| 15 | Clothing, women's, dressmaking | 28 | 9,115 | 30 | 150 | 4,405 | 4,530 | 28 | 1 | 1,800 | 102 | 25,106 |
| 16 | Confectionery | 24 | 164,568 | 2,600 | 2,200 | 36,652 | 113,111 | 23 | 49 | 27,125 | 163 | 57,357 |
| 17 | Dyeing and cleaning | 5 | 365 | | | 520 | 445 | 7 | | | 7 | 2,166 |
| 18 | Electrical construction and repairs | 6 | 28,328 | | | 1,058 | 27,270 | 6 | 5 | 4,000 | 25 | 13,035 |
| 19 | Flouring and grist mill products | 80 | 1,101,885 | 141,335 | 244,900 | 450,228 | 265,362 | 59 | 50 | 32,820 | 167 | 82,979 |
| 20 | Foundry and machine shop products | 15 | 210,394 | 41,800 | 41,835 | 73,253 | 53,501 | 21 | 7 | 9,912 | 153 | 91,976 |
| 21 | Fruits and vegetables, canning and preserving | 8 | 304,258 | 33,645 | 66,173 | 57,707 | 146,733 | 8 | 20 | 8,068 | 141 | 37,565 |
| 22 | Furniture, cabinetmaking, repairing, and upholstering | 9 | 8,015 | 2,050 | 1,550 | 915 | 3,500 | 13 | 2 | 325 | 8 | 4,076 |
| 23 | Furniture, factory product | 3 | 8,830 | 960 | 2,200 | 1,400 | 4,270 | 1 | 1 | 330 | 34 | 17,809 |
| 24 | Hand stamps | 3 | 5,400 | | | 2,750 | 2,650 | 4 | | | 4 | 1,800 |
| 25 | Hosiery and knit goods | 6 | 52,550 | 4,500 | 3,000 | 11,800 | 33,250 | 4 | 13 | 5,260 | 91 | 21,699 |
| 26 | Leather, tanned, curried, and finished | 4 | 8,625 | 425 | 2,900 | 2,100 | 3,200 | 1 | | | 3 | 1,500 |
| 27 | Lime and cement | 8 | 188,150 | 5,450 | 14,175 | 84,410 | 84,115 | 5 | 11 | 13,300 | 99 | 41,474 |
| 28 | Liquors, malt | 7 | 614,992 | 154,374 | 98,999 | 118,841 | 242,278 | 4 | 22 | 21,178 | 89 | 53,751 |
| 29 | Lock and gun smithing | 7 | 14,775 | 5,000 | 2,000 | 4,275 | 3,500 | 6 | 2 | 3,300 | 6 | 4,015 |
| 30 | Looking-glass and picture frames | 8 | 41,950 | 4,600 | 2,400 | 4,775 | 30,175 | 11 | 36 | 12,000 | 34 | 17,880 |
| 31 | Lumber and timber products | 81 | 182,780 | 51,827 | 10,330 | 93,017 | 27,606 | 106 | 7 | 1,850 | 140 | 43,504 |
| 32 | Lumber, planing mill products, including sash, doors, and blinds | 28 | 199,543 | 15,905 | 26,100 | 62,520 | 95,018 | 32 | 16 | 9,300 | 114 | 63,617 |
| 33 | Marble and stone work | 3 | 6,680 | 230 | 100 | 5,150 | 1,200 | 4 | | | 7 | 5,150 |
| 34 | Masonry, brick and stone | 5 | 3,655 | 250 | 250 | 605 | 2,550 | 5 | | | 10 | 5,615 |
| 35 | Mattresses and spring beds | 4 | 31,094 | 300 | 2,300 | 11,123 | 17,371 | 4 | 4 | 4,650 | 33 | 11,981 |
| 36 | Millinery, custom work | 52 | 86,791 | 6,425 | 16,475 | 4,916 | 58,975 | 57 | 27 | 5,984 | 64 | 22,869 |

BY COUNTIES: 1900.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-------------|------------------------------|-----------|------------------------------|----------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 5,579 | \$3,143,090 | 818 | \$207,852 | 218 | \$37,428 | \$929,178 | \$168,237 | \$87,727 | \$605,730 | \$72,479 | \$12,912,704 | \$12,288,310 | \$674,394 | \$21,215,783 | 1 |
| 17 | 7,642 | 9 | 2,661 | | | 981 | 85 | 449 | 447 | | 46,376 | 45,089 | 1,287 | 70,741 | 2 |
| 63 | 26,735 | 9 | 1,466 | 4 | 468 | 5,892 | 629 | 761 | 4,592 | | 118,532 | 116,763 | 1,769 | 202,032 | 3 |
| 166 | 73,288 | 70 | 12,985 | 14 | 1,509 | 21,795 | 4,760 | 4,845 | 11,632 | 1,058 | 439,117 | 431,444 | 7,673 | 671,370 | 4 |
| 92 | 68,184 | 1 | 100 | | | 5,940 | 150 | 251 | 5,539 | | 70,384 | 68,702 | 1,682 | 190,128 | 5 |
| 97 | 40,920 | 15 | 3,061 | 2 | 404 | 6,299 | 861 | 718 | 4,720 | | 159,852 | 151,240 | 8,612 | 251,217 | 6 |
| 11 | 4,190 | | | | | 623 | | 388 | 235 | | 37,442 | 37,040 | 402 | 61,171 | 7 |
| 29 | 8,970 | 4 | 475 | 1 | 200 | 460 | 66 | 319 | 75 | | 32,682 | 32,562 | 120 | 56,214 | 8 |
| | | | | | | 147 | 48 | 31 | 68 | | 1,691 | 1,616 | 75 | 4,398 | 9 |
| 11 | 3,830 | | | 2 | 225 | 1,130 | 206 | 464 | 460 | | 18,149 | 17,744 | 405 | 31,610 | 10 |
| 78 | 42,311 | 3 | 755 | 2 | 240 | 8,880 | 3,927 | 1,008 | 3,945 | | 93,519 | 91,287 | 2,232 | 216,701 | 11 |
| 7 | 1,550 | | | | | 493 | 69 | 128 | 296 | | 9,501 | 9,368 | 133 | 16,551 | 12 |
| 14 | 5,498 | 1 | 41 | | | 582 | 44 | 331 | 207 | | 35,669 | 35,231 | 438 | 57,161 | 13 |
| 6 | 2,325 | | | | | 640 | 98 | 179 | 363 | | 20,139 | 19,750 | 389 | 33,110 | 14 |
| 9 | 4,400 | | | | | 374 | | 374 | | | 19,442 | 19,422 | 220 | 35,314 | 15 |
| 3,545 | 2,018,145 | 493 | 135,143 | 108 | 20,255 | 631,655 | 112,790 | 45,570 | 407,901 | 65,394 | 8,890,845 | 8,340,846 | 549,999 | 14,212,689 | 16 |
| 80 | 30,312 | 8 | 393 | 3 | 480 | 8,690 | 3,215 | 1,585 | 3,585 | 305 | 226,163 | 222,690 | 3,464 | 337,958 | 17 |
| 45 | 16,115 | 2 | 305 | 3 | 240 | 3,711 | 680 | 962 | 2,069 | | 102,274 | 100,441 | 1,833 | 168,576 | 18 |
| 50 | 20,836 | 2 | 754 | 2 | 326 | 4,639 | 1,748 | 821 | 2,110 | 10 | 63,677 | 62,439 | 1,238 | 129,467 | 19 |
| 28 | 15,863 | 1 | 270 | 1 | 50 | 7,152 | 2,307 | 412 | 2,558 | 1,875 | 113,076 | 111,121 | 1,955 | 161,910 | 20 |
| 32 | 13,572 | 2 | 715 | 3 | 268 | 1,991 | 874 | 488 | 629 | | 60,643 | 59,238 | 1,405 | 101,611 | 21 |
| 333 | 229,808 | 72 | 22,965 | 34 | 7,257 | 91,427 | 11,144 | 11,078 | 69,129 | 76 | 929,703 | 871,483 | 58,280 | 1,654,817 | 22 |
| 18 | 6,735 | 2 | 436 | 2 | 312 | 756 | 114 | 332 | 260 | | 44,924 | 44,377 | 547 | 63,776 | 23 |
| 10 | 4,056 | 2 | 484 | 1 | 100 | 1,180 | 48 | 339 | 793 | | 27,145 | 25,692 | 1,453 | 39,148 | 24 |
| 4 | 1,144 | | | | | 773 | | 173 | 600 | | 12,780 | 12,670 | 90 | 17,435 | 25 |
| 894 | 496,711 | 127 | 24,848 | 36 | 5,094 | 122,913 | 10,374 | 16,221 | 88,557 | 3,761 | 1,338,739 | 1,310,046 | 28,693 | 2,421,679 | 26 |

SPECIFIED INDUSTRIES: 1900.

| | | | | | | | | | | | | | | | |
|-------|-------------|-----|-----------|-----|----------|-----------|-----------|----------|-----------|----------|--------------|--------------|-----------|--------------|----|
| 5,579 | \$3,143,090 | 818 | \$207,852 | 218 | \$37,428 | \$929,178 | \$168,287 | \$87,727 | \$605,730 | \$72,479 | \$12,912,704 | \$12,288,310 | \$674,394 | \$21,215,783 | 1 |
| 6 | 3,460 | 7 | 2,080 | 1 | 100 | 2,697 | 1,774 | 139 | 784 | | 39,640 | 39,600 | 40 | 57,301 | 2 |
| 23 | 9,800 | | | 7 | 1,036 | 5,047 | 3,061 | 166 | 1,695 | 125 | 21,648 | 21,150 | 498 | 62,801 | 3 |
| 112 | 57,087 | | | 5 | 985 | 12,992 | 7,359 | 1,586 | 4,047 | | 101,175 | 93,677 | 7,498 | 344,365 | 4 |
| 34 | 15,338 | 4 | 612 | 1 | 78 | 4,785 | 3,532 | 511 | 742 | | 88,331 | 37,412 | 919 | 104,540 | 5 |
| 98 | 43,275 | 40 | 8,530 | 2 | 753 | 5,017 | | 1,077 | 3,940 | | 156,046 | 152,772 | 3,274 | 225,986 | 6 |
| 66 | 35,169 | 37 | 10,246 | 4 | 626 | 21,184 | 7,682 | 1,523 | 11,979 | | 142,149 | 136,188 | 5,961 | 291,313 | 7 |
| 228 | 85,550 | 21 | 3,695 | 21 | 3,695 | 9,982 | 488 | 825 | 8,589 | 30 | 32,666 | 31,811 | 27,355 | 136,449 | 8 |
| 208 | 112,753 | 1 | 215 | 1 | 215 | 37,865 | 2,002 | 1,845 | 6,468 | 27,050 | 210,346 | 215,266 | 1,080 | 447,643 | 9 |
| 36 | 16,980 | 1 | 155 | 1 | 78 | 111 | 108 | 1 | 2 | | 907 | 897 | 10 | 2,268 | 10 |
| 907 | 635,776 | 1 | 300 | | | 2,331 | 1,050 | 809 | 972 | | 26,317 | 25,588 | 729 | 63,978 | 11 |
| 152 | 61,963 | 7 | 1,172 | | | 16,219 | | 10,815 | 5,404 | | 604,907 | 588,820 | 16,087 | 1,306,591 | 12 |
| 172 | 110,349 | 39 | 12,126 | 2 | 333 | 18,788 | 3,544 | 1,628 | 3,060 | 556 | 550,096 | 541,210 | 8,886 | 718,889 | 13 |
| 58 | 29,198 | 102 | 25,106 | 4 | 847 | 26,427 | 14,348 | 1,358 | 9,815 | 906 | 131,446 | 129,129 | 2,317 | 397,232 | 14 |
| 5 | 1,786 | 2 | 380 | | | 5,785 | 3,413 | 7 | 2,365 | | 38,208 | 37,858 | 350 | 94,822 | 15 |
| 166 | 82,666 | | | | | 25,903 | 12,811 | 754 | 12,838 | | 224,307 | 219,833 | 4,474 | 440,044 | 16 |
| 152 | 91,832 | | | 1 | 313 | 1,381 | 1,068 | 75 | 238 | | 1,473 | 1,229 | 244 | 9,840 | 17 |
| 62 | 26,037 | 73 | 10,172 | 6 | 1,356 | 3,551 | 2,142 | 236 | 1,173 | | 37,966 | 37,926 | 40 | 71,694 | 18 |
| 8 | 4,076 | | | | | 58,425 | 7,156 | 9,660 | 40,359 | 1,250 | 1,401,819 | 1,392,036 | 9,783 | 1,829,640 | 19 |
| 30 | 16,777 | 4 | 1,032 | | | 4,719 | 1,062 | 1,414 | 2,243 | | 63,749 | 54,646 | 9,103 | 217,392 | 20 |
| 4 | 1,800 | | | | | 0,024 | 58 | 488 | 5,478 | | 211,279 | 207,232 | 4,027 | 300,349 | 21 |
| 15 | 8,900 | 72 | 12,674 | 4 | 225 | 963 | 548 | 87 | 328 | | 3,108 | 3,058 | 50 | 13,889 | 22 |
| 3 | 1,500 | | | | | 3,364 | 1,520 | 103 | 1,741 | | 17,315 | 17,105 | 210 | 42,782 | 23 |
| 98 | 41,234 | | | 1 | 240 | 854 | 372 | 42 | 440 | | 3,836 | 3,632 | 184 | 11,680 | 24 |
| 88 | 52,591 | | | | | 4,677 | 2,107 | 325 | 2,145 | | 24,184 | 24,004 | 180 | 66,357 | 25 |
| 5 | 3,815 | | | | | 215 | 1 | 64 | 150 | | 3,482 | 3,417 | 65 | 5,863 | 26 |
| 28 | 16,290 | 6 | 1,480 | | | 23,195 | 1,350 | 508 | 17,027 | 4,250 | 62,453 | 44,002 | 18,451 | 173,512 | 27 |
| 130 | 42,381 | 5 | 635 | 5 | 488 | 123,888 | 60 | 6,369 | 116,559 | 850 | 120,995 | 108,938 | 12,007 | 432,835 | 28 |
| 113 | 68,306 | | | 1 | 311 | 1,547 | 912 | 183 | 452 | | 4,781 | 4,201 | 580 | 18,360 | 29 |
| 7 | 5,150 | | | | | 5,392 | 2,220 | 477 | 2,605 | | 44,710 | 44,515 | 195 | 99,166 | 30 |
| 10 | 5,615 | | | | | 2,198 | 44 | 1,066 | 1,083 | | 102,932 | 102,932 | | 214,187 | 31 |
| 28 | 10,331 | | | | | 29,676 | 1,080 | 1,837 | 5,759 | 21,000 | 116,278 | 118,285 | 2,993 | 252,187 | 32 |
| | | | | | | 219 | 27 | 22 | 170 | | 2,883 | 2,701 | 182 | 13,725 | 33 |
| | | | | | | 4,100 | | | 100 | | 11,790 | 11,790 | | 24,840 | 34 |
| | | | | | | 2,293 | | | 966 | | 45,505 | 44,635 | 870 | 75,328 | 35 |
| | | 64 | 22,859 | | | 14,927 | 10,796 | 902 | 3,229 | | 125,873 | 124,987 | 886 | 214,007 | 36 |

TABLE 6.—MANUFACTURES BY

| | MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|----|--|---------------------------|-----------|---------|------------|------------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|----------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and imple-ments. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average number. | Wages. |
| 37 | Mineral and soda waters | 8 | \$108,838 | \$7,850 | \$7,000 | \$87,784 | \$56,254 | 7 | 16 | \$16,040 | 67 | \$25,160 |
| 38 | Monuments and tombstones | 15 | 41,929 | 8,100 | 1,866 | 6,230 | 25,738 | 18 | 6 | 2,880 | 37 | 21,185 |
| 39 | Painting, house, sign, etc | 29 | 33,279 | 175 | 785 | 6,900 | 25,419 | 40 | 4 | 1,865 | 103 | 59,307 |
| 40 | Paper hanging | 3 | 7,700 | | | 350 | 7,350 | 4 | 3 | 1,420 | 7 | 5,487 |
| 41 | Patent medicines and compounds | 5 | 5,135 | 200 | 350 | 1,110 | 3,475 | 3 | 1 | 500 | 5 | 2,102 |
| 42 | Photography | 31 | 50,752 | 8,205 | 6,950 | 19,002 | 16,595 | 34 | 2 | 1,800 | 35 | 15,708 |
| 43 | Plastering and stuccowork | 3 | 2,875 | | | 525 | 2,350 | 4 | | | 2 | 1,600 |
| 44 | Plumbing, and gas and steam fitting | 27 | 74,078 | 800 | 600 | 10,693 | 61,885 | 40 | 5 | 4,260 | 106 | 57,555 |
| 45 | Pottery, terra cotta, and fire-clay products. | 7 | 38,050 | 8,100 | 10,500 | 11,800 | 7,650 | 8 | 2 | 2,000 | 36 | 10,900 |
| 46 | Printing and publishing, book and job. | 18 | 143,593 | | | 96,655 | 46,988 | 25 | 17 | 15,122 | 117 | 52,389 |
| 47 | Printing and publishing, newspapers and periodicals. | 62 | 679,281 | 52,850 | 63,445 | 260,144 | 302,842 | 63 | 78 | 67,769 | 431 | 235,174 |
| 48 | Roofing and roofing materials | 3 | 3,500 | 750 | | 975 | 1,775 | 3 | | | 11 | 5,536 |
| 49 | Saddlery and harness | 55 | 236,911 | 31,600 | 41,031 | 14,670 | 149,610 | 71 | 14 | 8,052 | 114 | 54,988 |
| 50 | Salt | 5 | 646,850 | 540,010 | 23,740 | 25,011 | 58,089 | 4 | 8 | 10,580 | 59 | 23,702 |
| 51 | Sewing machine repairing | 4 | 4,150 | | | 1,800 | 2,350 | 3 | | | 4 | 1,956 |
| 52 | Slaughtering and meat packing, whole-sale. | 5 | 83,902 | 22,369 | 7,000 | 10,772 | 43,761 | 10 | 6 | 2,472 | 34 | 14,978 |
| 53 | Slaughtering, wholesale, not including meat packing. | 3 | 33,125 | 4,600 | 9,000 | 4,525 | 15,000 | 4 | | | 8 | 3,075 |
| 54 | Sugar and molasses, beet. | 3 | 1,789,370 | 77,100 | 253,500 | 978,770 | 480,000 | | 21 | 29,560 | 107 | 123,800 |
| 55 | Tinsmithing, coppersmithing, and sheet-iron working. | 38 | 122,128 | 28,835 | 33,610 | 16,635 | 43,048 | 42 | 5 | 3,694 | 81 | 43,183 |
| 56 | Tobacco, cigars and cigarettes | 15 | 46,123 | 2,000 | 2,100 | 890 | 41,133 | 17 | | | 68 | 38,499 |
| 57 | Trunks and valises. | 3 | 21,200 | 1,000 | | 600 | 19,600 | 3 | 3 | 1,416 | 9 | 8,450 |
| 58 | Watch, clock, and jewelry repairing | 46 | 43,843 | 4,600 | 3,900 | 15,900 | 19,443 | 48 | 4 | 516 | 23 | 17,813 |
| 59 | Woolen goods. | 6 | 454,981 | 32,620 | 91,630 | 95,905 | 233,826 | | 14 | 10,050 | 194 | 69,681 |
| 60 | All other industries ¹ | 60 | 4,783,268 | 301,549 | 1,377,463 | 2,033,037 | 1,071,219 | 46 | 69 | 102,870 | 1,240 | 638,352 |

¹Embraces agricultural implements, 2; baking and yeast powders, 1; baskets, and rattan and willow ware, 1; bookbinding and blank book making, 2; bottling, 1; boxes, cigar, 1; boxes, fancy and paper, 1; brooms and brushes, 2; cars and general shop construction and repairs by street railroad companies, 2; charcoal, 1; china decorating, 1; clothing, men's, factory product, 1; coffins, burial cases, and undertakers' goods, 1; coke, 1; copper, smelting and refining, 2; engraving, steel, including plate printing, 1; flavoring extracts, 2; fur goods, 1; furnishing goods, men's, 1; gas, illuminating and heating, 2; gloves and mittens, 1; hairwork, 1;

TABLE 7.—MANUFACTURES IN SALT LAKE CITY

| 1 | All industries..... | 432 | \$4,048,906 | \$524,428 | \$180,269 | \$1,331,872 | \$1,712,387 | 462 | 364 | \$232,418 | 2,977 | \$1,601,253 |
|----|--|-----|-------------|-----------|-----------|-------------|-------------|-----|-----|-----------|-------|-------------|
| 2 | Awnings, tents, and sails..... | 3 | 26,750 | | | 2,500 | 24,250 | 3 | | | 13 | 5,160 |
| 3 | Bicycle and tricycle repairing..... | 10 | 15,400 | | 500 | 5,250 | 9,650 | 10 | 2 | 1,120 | 19 | 7,478 |
| 4 | Blacksmithing and wheelwrighting..... | 33 | 38,687 | 13,900 | 5,925 | 7,390 | 11,472 | 46 | | | 44 | 22,978 |
| 5 | Boots and shoes, custom work and repairing..... | 25 | 6,414 | 500 | 300 | 2,685 | 2,029 | 26 | | | 11 | 5,844 |
| 6 | Boots and shoes, factory product..... | 3 | 124,267 | 4,750 | 33,036 | 21,743 | 64,788 | 2 | 17 | 17,432 | 140 | 52,558 |
| 7 | Bread and other bakery products..... | 16 | 174,092 | 27,000 | 36,500 | 74,263 | 36,329 | 15 | 14 | 9,333 | 77 | 34,462 |
| 8 | Carpentering..... | 9 | 143,777 | 25,000 | 29,700 | 15,670 | 73,407 | 8 | 8 | 8,268 | 92 | 49,708 |
| 9 | Carriages and wagons..... | 4 | 32,474 | 2,000 | 11,300 | 3,250 | 15,924 | 4 | 1 | 250 | 33 | 14,813 |
| 10 | Cars and general shop construction and repairs by street railroad companies..... | 3 | 208,910 | 87,000 | 40,250 | 49,164 | 32,496 | | 25 | 26,071 | 521 | 354,656 |
| 11 | Clothing, men's, custom work and repairing..... | 36 | 95,760 | 2,600 | 1,000 | 6,735 | 86,424 | 41 | 7 | 5,100 | 165 | 98,814 |
| 12 | Clothing, women's, dressmaking..... | 22 | 6,850 | | | 3,940 | 2,920 | 22 | 1 | 1,800 | 84 | 21,823 |
| 13 | Confectionery..... | 12 | 119,765 | 1,000 | 400 | 25,345 | 93,020 | 12 | 40 | 18,695 | 117 | 39,257 |
| 14 | Dyeing and cleaning..... | 4 | 815 | | | 420 | 395 | 5 | | | 6 | 1,003 |
| 15 | Electrical construction and repairs..... | 4 | 25,893 | | | 823 | 25,070 | 3 | 5 | 4,000 | 23 | 11,415 |
| 16 | Foundry and machine shop products..... | 9 | 178,719 | 39,800 | 37,910 | 54,608 | 46,401 | 12 | 7 | 9,912 | 127 | 81,822 |
| 17 | Furniture, cabinetmaking, repairing, and upholstering..... | 4 | 2,640 | 1,300 | 700 | 290 | 350 | 5 | | | 2 | 1,750 |
| 18 | Furniture, factory product..... | 3 | 8,830 | 960 | 2,200 | 1,400 | 4,270 | 1 | 1 | 330 | 34 | 17,800 |
| 19 | Hand stamps..... | 3 | 5,400 | | | 2,750 | 2,650 | 4 | | | 4 | 1,800 |
| 20 | Lime and cement..... | 3 | 148,700 | | 7,000 | 68,100 | 73,600 | 1 | 10 | 12,700 | 84 | 36,974 |
| 21 | Liquors, malt..... | 4 | 551,743 | 150,874 | 86,300 | 104,791 | 209,778 | 2 | 17 | 16,458 | 73 | 44,987 |
| 22 | Lock and gun smithing..... | 6 | 3,175 | | | 1,875 | 1,300 | 6 | | | 3 | 1,815 |
| 23 | Looking-glass and picture frames..... | 5 | 37,800 | 4,000 | 2,000 | 4,200 | 27,600 | 8 | 36 | 12,000 | 32 | 17,280 |
| 24 | Lumber, planing mill products, including sash, doors, and blinds..... | 3 | 33,600 | 2,500 | 3,600 | 10,500 | 17,000 | 1 | 6 | 4,650 | 28 | 21,366 |
| 25 | Millinery, custom work..... | 9 | 26,925 | | 1,500 | 825 | 24,000 | 9 | 13 | 3,227 | 35 | 13,463 |
| 26 | Mineral and soda waters..... | 4 | 80,488 | 2,500 | 3,500 | 25,934 | 48,554 | 1 | 13 | 15,340 | 60 | 21,990 |
| 27 | Monuments and tombstones..... | 3 | 23,350 | 7,200 | 50 | 600 | 15,500 | 2 | 4 | 2,700 | 17 | 13,705 |
| 28 | Painting, house, sign, etc..... | 19 | 28,594 | | 500 | 5,425 | 22,669 | 25 | 4 | 1,865 | 85 | 49,860 |
| 29 | Patent medicines and compounds..... | 3 | 3,785 | | | 1,010 | 2,775 | 1 | 1 | 500 | 4 | 1,920 |
| 30 | Photography..... | 11 | 24,227 | 2,000 | 3,200 | 7,777 | 11,050 | 13 | 2 | 1,800 | 21 | 9,694 |
| 31 | Plastering and stuccowork..... | 3 | 2,875 | | | 525 | 2,350 | 4 | | | 3 | 1,600 |

SPECIFIED INDUSTRIES: 1900—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|----------|------------------------------|---------|------------------------------|---------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 54 | \$21,330 | 5 | \$1,500 | 8 | \$2,330 | \$10,087 | \$1,390 | \$308 | \$7,839 | | \$69,889 | \$68,608 | \$781 | \$148,899 | 37 |
| 36 | 20,960 | | | 1 | 225 | 8,080 | 936 | 461 | 1,653 | \$30 | 49,682 | 49,404 | 278 | 96,086 | 38 |
| 97 | 58,153 | | | 6 | 1,154 | 9,212 | 3,609 | 183 | 5,320 | 100 | 57,342 | 57,155 | 187 | 168,575 | 39 |
| 7 | 5,487 | | | | | 846 | 710 | 78 | 58 | | 9,543 | 9,438 | 105 | 24,094 | 40 |
| 4 | 1,920 | 1 | 182 | | | 1,071 | 540 | 149 | 382 | | 3,465 | 3,380 | 85 | 10,070 | 41 |
| 25 | 13,116 | 9 | 2,442 | 1 | 150 | 7,361 | 4,189 | 579 | 2,598 | | 24,195 | 23,701 | 494 | 82,965 | 42 |
| 2 | 1,600 | | | | | 576 | 156 | 8 | 112 | 300 | 1,671 | 1,671 | | 6,300 | 43 |
| 97 | 56,072 | 1 | 255 | 8 | 1,228 | 12,294 | 5,542 | 393 | 4,499 | 1,860 | 146,458 | 145,108 | 1,355 | 274,740 | 44 |
| 35 | 10,750 | | | 1 | 166 | 1,214 | 590 | 467 | 167 | | 6,190 | 3,792 | 2,404 | 28,600 | 45 |
| 94 | 47,619 | 13 | 3,308 | 10 | 1,462 | 15,191 | 5,938 | 976 | 7,259 | 1,018 | 65,038 | 61,975 | 3,063 | 177,286 | 46 |
| 344 | 216,994 | 52 | 14,496 | 35 | 3,684 | 92,129 | 11,147 | 3,068 | 71,270 | 6,044 | 138,290 | 130,371 | 7,919 | 593,562 | 47 |
| 11 | 5,586 | | | | | 389 | 12 | 20 | 357 | | 9,962 | 9,940 | 22 | 21,018 | 48 |
| 109 | 54,124 | 1 | 260 | 4 | 604 | 11,208 | 4,547 | 1,919 | 4,242 | 600 | 166,355 | 155,474 | 881 | 284,805 | 49 |
| 58 | 23,537 | 1 | 165 | | | 24,065 | 4,275 | 402 | 19,888 | | 31,759 | 27,635 | 4,124 | 139,488 | 50 |
| 3 | 1,800 | | | 1 | 156 | 1,791 | 1,370 | 101 | 320 | | 2,610 | 2,569 | 41 | 11,000 | 51 |
| 34 | 14,978 | | | | | 6,075 | 1,800 | 611 | 2,664 | | 291,477 | 289,957 | 1,520 | 343,444 | 52 |
| 8 | 3,675 | | | | | 865 | 150 | 200 | 515 | | 93,876 | 93,586 | 290 | 110,012 | 53 |
| 107 | 128,800 | | | | | 74,170 | | 8,694 | 63,776 | 1,700 | 561,003 | 518,268 | 42,735 | 1,037,355 | 54 |
| 74 | 41,143 | | | 7 | 2,040 | 8,916 | 3,881 | 1,550 | 3,275 | 210 | 102,385 | 100,949 | 1,436 | 216,073 | 55 |
| 54 | 35,100 | 7 | 2,580 | 7 | 819 | 13,479 | 2,758 | 411 | 10,310 | | 49,928 | 49,704 | 224 | 124,487 | 56 |
| 5 | 2,650 | | | 4 | 800 | 1,789 | 480 | 159 | 1,150 | | 5,600 | 5,580 | 20 | 16,785 | 57 |
| 21 | 17,713 | | | 2 | 100 | 10,108 | 6,932 | 630 | 2,446 | 100 | 16,471 | 15,791 | 680 | 76,779 | 58 |
| 100 | 43,217 | 65 | 20,789 | 29 | 5,678 | 17,354 | | 2,463 | 14,881 | | 121,828 | 115,063 | 6,765 | 222,343 | 59 |
| 1,128 | 611,186 | 93 | 23,457 | 19 | 3,709 | 126,067 | 7,390 | 16,868 | 101,899 | | 6,167,581 | 5,708,124 | 450,457 | 8,184,162 | 60 |

ice, artificial, 1; ironwork, architectural and ornamental, 1; jewelry, 1; lead, bar, pipe, and sheet, 1; lead, smelting and refining, 2; oil, not elsewhere specified, 1; optical goods, 1; pickles, preserves, and sauces, 1; rubber and elastic goods, 1; scales and balances, 1; shirts, 1; show cases, 2; silk and silk goods, 2; soap and candles, 2; taxidermy, 2; typewriter repairing, 1; vinegar and cider, 2; whips, 2; wirework, including wire rope and cable, 2; wood, turned and carved, 2; wool pulling, 2.

BY SPECIFIED INDUSTRIES: 1900.

| | | | | | | | | | | | | | | | |
|-------|-------------|-----|-----------|----|----------|-----------|-----------|----------|-----------|----------|-------------|-------------|----------|-------------|----|
| 2,404 | \$1,452,935 | 485 | \$132,679 | 88 | \$15,639 | \$470,034 | \$107,785 | \$32,588 | \$291,897 | \$47,864 | \$2,743,674 | \$2,662,250 | \$81,424 | \$6,109,409 | 1 |
| 5 | 2,980 | 7 | 2,080 | 1 | 100 | 2,644 | 1,744 | 116 | 784 | | 38,125 | 38,100 | 25 | 53,598 | 2 |
| 15 | 6,813 | | | 4 | 660 | 3,432 | 2,232 | 108 | 967 | 125 | 12,825 | 12,042 | 233 | 29,479 | 3 |
| 42 | 22,683 | | | 2 | 290 | 5,267 | 3,668 | 264 | 1,335 | | 23,339 | 21,786 | 1,553 | 97,921 | 4 |
| 11 | 5,344 | | | | | 1,913 | 1,708 | 61 | 149 | | 9,394 | 9,094 | 300 | 32,851 | 5 |
| 98 | 43,275 | 40 | 8,580 | 2 | 753 | 5,017 | | 1,077 | 3,940 | | 156,046 | 152,772 | 3,274 | 225,986 | 6 |
| 44 | 25,380 | 31 | 8,781 | 2 | 301 | 15,911 | 4,874 | 1,280 | 9,757 | | 101,055 | 97,416 | 3,639 | 212,951 | 7 |
| 91 | 49,583 | | | 1 | 125 | 32,208 | 1,220 | 1,829 | 4,709 | 24,950 | 109,829 | 109,237 | 592 | 219,737 | 8 |
| 31 | 14,580 | 1 | 155 | 1 | 78 | 2,201 | 1,050 | 259 | 892 | | 19,472 | 18,808 | 669 | 50,053 | 9 |
| 520 | 354,366 | 1 | 300 | | | 5,310 | | 5,230 | 80 | | 347,810 | 341,226 | 6,584 | 733,347 | 10 |
| 130 | 87,324 | 33 | 11,157 | 2 | 333 | 21,077 | 11,496 | 1,061 | 8,395 | 125 | 99,699 | 98,260 | 1,439 | 313,283 | 11 |
| 38 | 19,196 | 84 | 21,823 | | | 5,173 | 2,875 | 4 | 2,294 | | 33,545 | 33,270 | 275 | 82,450 | 12 |
| 5 | 1,006 | 75 | 19,214 | 4 | 847 | 17,767 | 10,641 | 411 | 6,715 | | 166,050 | 162,482 | 3,568 | 321,962 | 13 |
| 23 | 11,415 | 1 | 300 | | | 1,243 | 1,008 | 75 | 190 | | 893 | 898 | 195 | 6,805 | 14 |
| 127 | 81,922 | | | | | 3,217 | 1,926 | 218 | 1,073 | | 32,871 | 32,846 | 25 | 62,769 | 15 |
| 2 | 1,750 | | | | | 2,921 | 782 | 1,042 | 1,147 | | 51,920 | 46,274 | 5,646 | 180,587 | 16 |
| 30 | 16,777 | | | | | 435 | 240 | 25 | 170 | | 900 | 900 | | 6,200 | 17 |
| 4 | 1,800 | 4 | 1,032 | | | 3,364 | 1,520 | 103 | 1,741 | | 17,315 | 17,105 | 210 | 42,732 | 18 |
| 83 | 36,734 | | | 1 | 240 | 854 | 372 | 42 | 440 | | 3,836 | 3,652 | 184 | 11,680 | 19 |
| 69 | 44,137 | | | 4 | 800 | 21,790 | 1,200 | 225 | 16,115 | 4,250 | 55,490 | 40,440 | 15,050 | 143,320 | 20 |
| 2 | 1,115 | | | | | 102,560 | | 4,684 | 97,026 | 850 | 110,391 | 98,919 | 11,472 | 386,143 | 21 |
| 27 | 15,800 | | | 1 | 200 | 1,187 | 912 | 23 | 252 | | 2,376 | 2,151 | 225 | 8,460 | 22 |
| 28 | 21,366 | 5 | 1,480 | | | 4,907 | 1,920 | 453 | 2,584 | | 43,075 | 42,905 | 170 | 93,700 | 23 |
| | | | | | | 6,573 | 840 | 340 | 1,893 | 3,800 | 26,200 | 25,670 | 530 | 63,615 | 24 |
| 49 | 19,390 | 35 | 13,463 | 6 | 1,100 | 7,072 | 5,940 | 364 | 1,668 | | 60,592 | 60,395 | 197 | 106,880 | 25 |
| 16 | 13,480 | 5 | 1,500 | | | 9,347 | 1,330 | 562 | 7,453 | | 61,593 | 60,873 | 720 | 132,699 | 26 |
| 80 | 48,856 | | | 1 | 225 | 1,614 | 620 | 219 | 775 | | 25,055 | 24,950 | 105 | 51,500 | 27 |
| 4 | 1,920 | | | 5 | 1,004 | 8,469 | 3,117 | 137 | 5,115 | 100 | 44,240 | 44,120 | 120 | 133,994 | 28 |
| 16 | 8,246 | | | | | 868 | 480 | 111 | 277 | | 2,125 | 2,100 | 25 | 7,473 | 29 |
| 3 | 1,600 | 5 | 1,358 | | | 4,543 | 2,770 | 366 | 1,407 | | 12,612 | 12,492 | 120 | 46,170 | 30 |
| | | | | | | 576 | 156 | 8 | 112 | 300 | 1,671 | 1,671 | | 6,300 | 31 |

TABLE 7.—MANUFACTURES IN SALT LAKE CITY

| MANUFACTURING AND MECHANICAL INDUSTRIES, AND CITIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|---|---------------------------|----------|--------|------------|-----------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|----------|
| | | Total. | Land. | Buildings. | Machinery, tools, and implements. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | Average number. | Wages. |
| 32 Plumbing, and gas and steam fitting.--- | 20 | \$68,648 | \$800 | \$100 | \$9,188 | \$53,560 | 31 | 5 | \$4,260 | 87 | \$47,176 |
| 33 Printing and publishing, book and job. | 10 | 117,273 | | | 78,855 | 38,418 | 13 | 16 | 14,082 | 96 | 44,689 |
| 34 Printing and publishing, newspapers and periodicals. | 16 | 515,694 | 45,500 | 52,845 | 152,529 | 265,320 | 16 | 55 | 50,849 | 313 | 185,192 |
| 35 Roofing and roofing materials.--- | 3 | 3,500 | 750 | | 975 | 1,775 | 3 | | | 11 | 5,536 |
| 36 Saddlery and harness.--- | 9 | 58,035 | | 6,000 | 3,570 | 48,465 | 13 | 9 | 5,850 | 49 | 25,026 |
| 37 Sewing machine repairing.--- | 3 | 2,150 | | | 800 | 1,350 | 2 | | | 4 | 1,956 |
| 38 Tinsmithing, coppersmithing, and sheet-iron working. | 12 | 80,853 | 23,000 | 25,700 | 7,500 | 24,653 | 14 | 4 | 3,094 | 56 | 33,561 |
| 39 Tobacco, cigars and cigarettes.--- | 8 | 23,328 | 1,000 | 600 | 405 | 26,323 | 9 | | | 47 | 23,983 |
| 40 Trunks and valises.--- | 3 | 21,200 | 1,000 | | 600 | 19,600 | 3 | 3 | 1,416 | 9 | 3,450 |
| 41 Watch, clock, and jewelry repairing.--- | 21 | 21,615 | 2,250 | 1,750 | 8,175 | 9,440 | 22 | 2 | 841 | 16 | 12,818 |
| 42 All other industries.--- | 51 | 954,995 | 75,244 | 86,403 | 559,286 | 234,062 | 44 | 36 | 29,475 | 332 | 154,754 |

¹ Embraces baking and yeast powders, 1; bookbinding and blank book making, 2; bottling, 1; boxes, cigar, 1; boxes, fancy and paper, 1; cars and general shop construction and repairs by street railroad companies, 2; cheese, butter, and condensed milk, factory product, 1; china decorating, 1; clothing, men's, factory product, 1; coffins, burial cases, and undertakers' goods, 1; engraving, steel, including plate printing, 1; flavoring extracts, 2; flouring and grist mill products, 2; fur goods, 1; furnishing goods, men's, 1; gas, illuminating and heating, 1; hosiery and knit goods, 2; ice, artificial, 1; ironwork, architectural and ornamental, 1;

TABLE 8.—MANUFACTURES IN CITIES

| | | 350 | \$8,103,267 | \$292,073 | \$455,328 | \$1,175,771 | \$1,180,095 | 414 | 131 | \$89,817 | 1,167 | \$555,290 |
|---|------------------|-----|-------------|-----------|-----------|-------------|-------------|-----|-----|----------|-------|-----------|
| 1 | Total for cities | | | | | | | | | | | |
| 2 | Brigham | 33 | 104,944 | 14,663 | 23,805 | 25,142 | 36,334 | 36 | 10 | 2,283 | 74 | 27,709 |
| 3 | Lehi City | 16 | 1,267,570 | 49,375 | 155,095 | 613,460 | 429,640 | 20 | 10 | 19,660 | 73 | 103,804 |
| 4 | Logan | 63 | 279,932 | 62,125 | 46,400 | 58,830 | 112,597 | 76 | 25 | 13,430 | 131 | 62,081 |
| 5 | Ogden | 151 | 784,831 | 84,135 | 105,298 | 245,067 | 300,331 | 168 | 63 | 40,082 | 537 | 235,897 |
| 6 | Park City | 22 | 43,714 | 6,500 | 10,250 | 9,567 | 17,397 | 30 | | | 24 | 13,531 |
| 7 | Provo City | 57 | 515,496 | 47,275 | 82,230 | 109,010 | 276,981 | 66 | 22 | 13,637 | 264 | 105,408 |
| 8 | Springville | 17 | 156,760 | 8,000 | 27,250 | 114,695 | 6,815 | 18 | 1 | 225 | 14 | 6,360 |

BY SPECIFIED INDUSTRIES: 1900—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|----------|------------------------------|--------|------------------------------|--------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 80 | \$45,953 | 1 | \$255 | 6 | \$968 | \$11,040 | \$4,794 | \$330 | \$4,056 | \$1,800 | \$127,253 | \$125,953 | \$1,800 | \$239,775 | 32 |
| 79 | 41,107 | 9 | 2,370 | 8 | 1,212 | 13,082 | 4,808 | 820 | 6,486 | 1,018 | 52,795 | 50,119 | 2,676 | 144,644 | 33 |
| 266 | 178,667 | 36 | 11,294 | 11 | 1,231 | 80,829 | 6,910 | 2,350 | 65,093 | 6,476 | 105,961 | 99,807 | 6,154 | 487,858 | 34 |
| 11 | 5,536 | | | | | 389 | 12 | 20 | 357 | | 9,962 | 9,940 | 22 | 21,018 | 35 |
| 47 | 24,720 | 1 | 150 | 1 | 156 | 5,168 | 3,022 | 676 | 1,465 | | 71,452 | 71,302 | 150 | 122,393 | 36 |
| 3 | 1,800 | | | 1 | 156 | 1,715 | 1,310 | 95 | 310 | | 2,312 | 2,292 | 20 | 9,500 | 37 |
| 51 | 31,577 | | | 5 | 1,984 | 5,986 | 2,848 | 1,052 | 1,876 | 210 | 72,418 | 71,789 | 629 | 154,625 | 38 |
| 36 | 26,803 | 5 | 1,500 | 6 | 680 | 9,977 | 1,884 | 304 | 7,789 | | 38,602 | 38,527 | 75 | 93,895 | 39 |
| 5 | 2,650 | | | 4 | 800 | 1,789 | 480 | 159 | 1,150 | | 5,600 | 5,580 | 20 | 16,785 | 40 |
| 14 | 12,718 | | | 2 | 100 | 5,933 | 3,786 | 341 | 1,706 | 100 | 8,179 | 7,932 | 247 | 45,644 | 41 |
| 219 | 127,521 | 106 | 25,937 | 7 | 1,296 | 43,371 | 11,845 | 6,244 | 21,782 | 4,000 | 579,296 | 566,360 | 12,936 | 953,612 | 42 |

jewelry, 1; lead, bar, pipe, and sheet, 1; marble and stone work, 1; masonry, brick and stone, 1; mattresses and spring beds, 2; oil, not elsewhere specified, 1; optical goods, 1; paper hanging, 1; pottery, terra cotta, and fire-clay products, 2; rubber and elastic goods, 1; salt, 1; scales and balances, 1; shirts, 1; show cases, 2; silk and silk goods, 1; slaughtering and meat packing, wholesale, 1; slaughtering, wholesale, not including meat packing, 1; soap and candles, 1; taxidermy, 2; vinegar and cider, 1; whips, 1; wood, turned and carved, 2.

UNDER 20,000 IN POPULATION: 1900.

| | | | | | | | | | | | | | | | |
|-----|-----------|-----|----------|----|----------|-----------|----------|----------|-----------|---------|-------------|-------------|----------|-------------|---|
| 839 | \$483,559 | 245 | \$57,990 | 83 | \$13,741 | \$179,300 | \$32,192 | \$19,824 | \$126,156 | \$1,129 | \$1,552,183 | \$1,476,689 | \$75,494 | \$2,980,276 | 1 |
| 61 | 25,775 | 9 | 1,466 | 4 | 468 | 4,650 | 593 | 598 | 3,459 | | 105,142 | 103,383 | 1,759 | 181,701 | 2 |
| 70 | 103,214 | 2 | 450 | 1 | 140 | 53,680 | 576 | 4,896 | 48,208 | | 368,847 | 332,198 | 36,649 | 721,981 | 3 |
| 105 | 48,378 | 65 | 12,424 | 11 | 1,279 | 14,453 | 4,051 | 2,869 | 7,222 | 308 | 218,491 | 214,651 | 3,840 | 875,055 | 4 |
| 402 | 209,883 | 102 | 21,560 | 33 | 4,454 | 73,665 | 18,965 | 6,436 | 47,453 | 811 | 512,753 | 528,896 | 13,857 | 1,102,765 | 5 |
| 20 | 12,451 | 2 | 754 | 2 | 326 | 3,952 | 1,748 | 369 | 1,825 | 10 | 23,264 | 22,185 | 1,079 | 72,172 | 6 |
| 169 | 77,542 | 63 | 20,792 | 32 | 7,074 | 23,931 | 3,056 | 3,832 | 17,543 | | 216,444 | 204,766 | 11,678 | 431,120 | 7 |
| 12 | 6,316 | 2 | 544 | | | 4,969 | 3,200 | 1,324 | 445 | | 77,242 | 70,610 | 6,632 | 95,482 | 8 |

CENSUS BULLETIN.

No. 108.

WASHINGTON, D. C.

November 4, 1901.

AGRICULTURE.

RHODE ISLAND.

Hon. WILLIAM R. MERRIAM,
Director of the Census.

SIR: I have the honor to transmit herewith, for publication in bulletin form, the statistics of agriculture for the state of Rhode Island, taken in accordance with the provisions of section 7 of the act of March 3, 1899. This section requires that—

The schedules relating to agriculture shall comprehend the following topics: Name of occupant of each farm, color of occupant, tenure, acreage, value of farm and improvements, acreage of different products, quantity and value of products, and number and value of live stock. All questions as to quantity and value of crops shall relate to the year ending December thirty-first next preceding the enumeration.

The farm lands of Rhode Island have an area of 712 square miles, or 67.6 per cent of the total land surface of 1,053 square miles. Narragansett Bay divides the state from north to south and furnishes the greater part of a coast line 245 miles long. The coast is nearly everywhere bordered by sand beaches and extensive salt marshes, thus greatly reducing the area available for cultivation.

Newport and Bristol counties, comprising the islands and peninsulas east of Narragansett Bay, have a total land surface of 142 square miles, of which 88 square miles are included in farms. These two counties contain the largest relative percentages of improved land, and have the most fertile soil. The land west of the bay is generally hilly, especially in the north. There are numerous streams, but owing to their small size there is little alluvial soil. Most of the land is slaty and more suitable for grazing than for cultivation. About one-fourth of the total area is woodland.

The value of the 5,498 farms of the state is \$23,125,260, of which \$9,703,490, or 42 per cent, represents the value of buildings, and \$13,421,770, or 58 per cent, the value of land and improvements exclusive of buildings. The average value of land per acre, exclusive of buildings, ranges from \$14.88 in Washington county to \$68.23 in Bristol county. For the state the average value is \$29.46 per acre.

The value of the farm products of 1899 was \$6,333,864, a gain since 1889 of \$2,115,564, or 50.2 per cent. If the value of products fed to live stock, \$969,140, be deducted from the value of all farm products, there remains a gross income of \$5,364,724, equal to 19.9 per

cent of the total capital invested in farm property. As no reports of expenditures for taxes, interest, insurance, feed for stock, and similar items have been obtained by any census, no statement of net farm income can be given.

The term "Farm property," as used in the text and tables of this bulletin, includes the values of land, improvements and buildings, implements and machinery, and live stock. This valuation, June 1, 1900, was \$26,989,189, or 7.2 per cent greater than on the corresponding date in 1890.

The receipts from animal products in 1899, amounting in the aggregate to \$3,292,295, constitute 61.4 per cent of the total value of products not fed to live stock, referred to elsewhere as the "gross farm income." Dairy products had a value of \$1,923,707, or 35.9 per cent of the gross income of farms, and poultry and eggs yielded an income of \$1,055,635. Market gardening has in the past twenty years advanced to a leading position. The area used in 1899 in the production of vegetables, including potatoes, sweet potatoes, and onions, was 10,982 acres, and the value of products obtained therefrom was \$992,467. Hay and forage and the cereals are no longer the sources of any considerable direct income, their cultivation being almost wholly incident to the dairy and live-stock industries. This is shown by the fact that in 1899 farm products aggregating 76.2 per cent of the year's production of hay and grain were fed to live stock on the farms of the producers. The area devoted to cereals decreased from 19,575 acres in 1879 to 10,552 acres in 1899, and the total production from 564,580 bushels to 350,110 bushels.

The gradual abandonment of cereal production has been attended by a corresponding growth in other branches of agriculture, notably dairying, poultry raising, the culture of small fruits, and general market gardening. The area utilized in the production of vegetables was only slightly larger than that devoted to cereals, but the products had a value more than five times as great, the average income per acre from vegetables having been \$90.37, and from cereals, \$17.97.

Very respectfully,

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Chief Statistician for Agriculture.

AGRICULTURE IN RHODE ISLAND.

GENERAL STATISTICS.

NUMBER AND SIZE OF FARMS.

The 5,498 farms of Rhode Island comprise 455,602 acres, or 67.6 per cent of the total land surface of the state. The following table gives by decades, since 1850, the number of farms reported, the total and average acreage, and the per cent of farm land improved:

TABLE 1.—FARMS AND FARM ACREAGE: 1850 TO 1900.

| CENSUS YEAR. | Number of farms. | NUMBER OF ACRES IN FARMS. | | | | Per cent of farm land improved. |
|--------------|------------------|---------------------------|-----------|--------------|---------|---------------------------------|
| | | Total. | Improved. | Un-improved. | Average | |
| 1900..... | 5,498 | 455,602 | 187,354 | 268,248 | 83 | 41.1 |
| 1890..... | 5,500 | 469,281 | 274,491 | 194,790 | 85 | 58.5 |
| 1880..... | 5,216 | 514,813 | 298,466 | 216,327 | 83 | 58.0 |
| 1870..... | 5,368 | 502,308 | 289,060 | 213,278 | 94 | 57.5 |
| 1860..... | 5,406 | 521,224 | 336,128 | 186,096 | 96 | 64.3 |
| 1850..... | 5,385 | 553,998 | 356,487 | 197,451 | 108 | 64.4 |

During the past fifty years the number of farms has remained practically the same, being, in 1900, 113 more than in 1850 and 2 less than in 1890. In the same period the number of acres included in farms has decreased 17.8 per cent. As this decrease has been at a fairly constant rate, it is probable that it is due largely to the withdrawal from farms of land for town lots and factory sites. The per cent of improved farm land decreased from 64.4 in 1850 to 41.1 in 1900, the largest relative decrease having taken place in the last decade, in which period the per cent fell from 58.5 to 41.1. It is known that a considerable acreage which, ten years before, was classed as improved, was reported in 1900 as unimproved. It is probable that a large portion of this area was once devoted to the production of hay and cereals. Not being of a character to yield profitable crops of fruits or vegetables, this land was partially or wholly abandoned as soon as western competition, brought about by cheapened transportation, rendered

the growing of cereals unprofitable. The operators transferred their attention to small areas of the most fertile soil, and by dairying, poultry raising, and market gardening, increased both the quantity and the value of their annual products.

FARM PROPERTY AND PRODUCTS.

The values of farm land and improvements, implements and machinery, live stock, and farm products are given in Table 2 for each census year, beginning with 1850.

TABLE 2.—VALUES OF FARM PROPERTY AND PRODUCTS: 1850 TO 1900.

| CENSUS YEAR. | Total value of farm property. | Land, improvements, and buildings. | Implements and machinery. | Livestock. | Farm products. ¹ |
|--------------|-------------------------------|------------------------------------|---------------------------|-------------|-----------------------------|
| 1900..... | \$26,989,189 | \$23,125,260 | \$1,270,270 | \$2,593,659 | \$5,333,864 |
| 1890..... | 25,179,479 | 21,873,479 | 941,030 | 2,364,970 | 4,213,300 |
| 1880..... | 29,039,046 | 25,882,079 | 902,825 | 2,254,142 | 3,670,135 |
| 1870..... | 25,496,840 | 21,674,908 | 739,246 | 3,195,132 | \$4,761,163 |
| 1860..... | 22,179,388 | 19,550,553 | 586,791 | 2,042,044 | ..... |
| 1850..... | 19,100,040 | 17,070,802 | 497,201 | 1,532,037 | ..... |

¹ For year preceding that designated.

² Values for 1870 were reported in depreciated currency. To reduce to specie basis of other figures they must be diminished by one-fifth.

³ Includes betterments and additions to live stock.

Since 1850 the total farm wealth of Rhode Island has increased \$7,888,549, and in the last decade, \$1,809,710. Of the latter amount, \$1,251,781, or 69.2 per cent, represents the increase in the value of land, improvements, and buildings; \$329,240, or 18.2 per cent, that of implements and machinery; and \$228,689, or 12.6 per cent, that of live stock.

COUNTY STATISTICS OF AGRICULTURE.

Table 3 gives an exhibit of general agricultural statistics by counties.

TABLE 3.—NUMBER AND AREA OF FARMS AND VALUES OF FARM PROPERTY, JUNE 1, 1900, VALUE OF PRODUCTS OF 1899 NOT FED TO LIVE STOCK, AND EXPENDITURES IN 1899 FOR LABOR AND FERTILIZERS, BY COUNTIES.

| COUNTIES. | NUMBER OF FARMS. | | ACRES IN FARMS. | | VALUES OF FARM PROPERTY. | | | | Value of products not fed to live stock. | EXPENDITURES. | |
|-----------------|------------------|-----------------|-----------------|-----------|---|-------------|---------------------------|-------------|--|---------------|--------------|
| | Total. | With buildings. | Total. | Improved. | Land and improvements (except buildings). | Buildings. | Implements and machinery. | Livestock. | | Labor. | Fertilizers. |
| The State..... | 5,498 | 5,401 | 455,602 | 187,354 | \$13,421,770 | \$9,708,490 | \$1,270,270 | \$2,593,659 | \$5,364,724 | \$1,032,360 | \$264,140 |
| Bristol..... | 205 | 201 | 7,585 | 5,313 | 517,520 | 488,180 | 50,910 | 96,349 | 229,048 | 32,420 | 8,430 |
| Kent..... | 774 | 753 | 71,986 | 24,255 | 1,323,230 | 1,291,170 | 153,180 | 300,226 | 607,002 | 99,920 | 23,640 |
| Newport..... | 940 | 918 | 48,652 | 36,431 | 3,070,520 | 2,108,660 | 225,760 | 560,751 | 1,156,279 | 186,540 | 76,080 |
| Providence..... | 2,287 | 2,248 | 167,437 | 61,545 | 6,129,050 | 3,919,790 | 618,540 | 1,097,777 | 2,475,979 | 559,720 | 114,540 |
| Washington..... | 1,292 | 1,281 | 159,992 | 59,810 | 2,381,450 | 1,900,690 | 221,930 | 585,556 | 896,416 | 153,760 | 41,450 |

Since 1890 the number of farms has decreased in every county except Providence, in which county there was an increase of 288. Providence and Washington counties report increases in the number of acres in farms of 2.9 per cent and 1.7 per cent, respectively. The remaining three counties show decreases in farm acreage as follows: Bristol, 30.1 per cent; Kent, 17.1 per cent; Newport, 5.7 per cent.

East of Narragansett Bay, where the land is level and largely devoted to market gardening and the cultivation of small fruits, the farms are comparatively small (the average area being 49.1 acres) and the per cent of improved land is comparatively high, being 79.1 per cent in 1890, and 74.2 in 1900. The slight decrease noted for the decade was limited almost wholly to large farms having considerable areas of pasture land. West of the bay, where the surface is broken and the dairy and live-stock industries are more fully developed, the average size of the farms is 91.7 acres. Much wild grazing land is included in the farms of this part of the state, hence the per cent of improved land is relatively small, being 55.3 in 1890 and but 36.5 in 1900. The much larger relative decrease in ten years in the area of improved land west of the bay indicates that the size of farms, and the character of the industries to which they are devoted, determine, in some measure, the extent of the general decrease in the area of improved land, to which attention has already been called.

The value of implements and machinery in Washington county is the same as in 1890. In each of the other counties there has been an increase, slight in Bristol and Kent, but very marked in Newport and Providence. In the last-named county the valuation nearly doubled, the increase amounting to 74.8 per cent of that for the state. The two counties reporting the largest increases in value of implements were the only ones to show increased valuations for live stock. The relatively rapid growth in dairying and market gardening in both of these counties is doubtless an important factor in explaining the large increase in the value of implements and live stock.

The total values of all farm products increased as follows: Bristol, 14.8 per cent; Washington, 26.6; Kent, 27.9; Providence, 56.7; and Newport, 93.3. The increase in the two latter counties constituted 79.5 per cent of that for the state, and is in keeping with the increases in values of implements and live stock shown for those counties.

The farmers of Bristol and Kent counties expended less for fertilizers in 1899 than in 1889. The other three counties each report a marked increase, that for Newport amounting to 49.0 per cent, and for Providence, 111.1 per cent. It appears that the counties reporting the largest relative increases in expenditures for this and similar items also show the largest relative gains in income from farm products.

NUMBER OF FARMS, CLASSIFIED BY RACE OF FARMER AND BY TENURE.

Table 4 gives a comparative exhibit of farm tenure for 1880, 1890, and 1900. In Table 5 the tenure of farms for 1900 is given by race of farmer. The farms classified in Table 4 as "Farms operated by owners," are subdivided in Table 5 into groups, designated as "Owners," "Part owners," "Owners and tenants," and "Managers." These terms denote, respectively: (1) Farms operated by individuals who own all the land they cultivate; (2) farms operated by individuals who own a part of the land and rent the remainder from others; (3) farms operated under the joint direction and by the united labor of two or more individuals, one owning the farm or a part of it, the other, or others, owning no part, but receiving for supervision or labor a share of the products; and (4) farms operated by individuals who receive for their supervision and other services a fixed salary from the owners.

TABLE 4.—NUMBER AND PER CENT OF FARMS OF SPECIFIED TENURES: 1880 TO 1900.

| CENSUS YEAR. | Total number of farms. | NUMBER OF FARMS OPERATED BY— | | | PER CENT OF FARMS OPERATED BY— | | |
|--------------|------------------------|------------------------------|---------------|----------------|--------------------------------|---------------|----------------|
| | | Owners. | Cash tenants. | Share tenants. | Owners. | Cash tenants. | Share tenants. |
| 1900 | 5,498 | 4,390 | 1,045 | 63 | 79.9 | 19.0 | 1.1 |
| 1890 | 5,500 | 4,470 | 912 | 118 | 81.3 | 16.6 | 2.1 |
| 1880 | 6,216 | 4,980 | 989 | 247 | 80.1 | 15.9 | 4.0 |

TABLE 5.—NUMBER OF FARMS, CLASSIFIED BY RACE OF FARMER AND BY TENURE, JUNE 1, 1900.

| RACE. | Total number of farms. | Owners. | Part owners. | Owners and tenants. | Managers. | Cash tenants. | Share tenants. |
|---------------|------------------------|---------|--------------|---------------------|-----------|---------------|----------------|
| The State.... | 5,498 | 3,958 | 212 | 12 | 203 | 1,045 | 63 |
| White | 5,470 | 3,942 | 212 | 12 | 207 | 1,034 | 63 |
| Colored..... | 28 | 16 | | | 1 | 11 | |

Between 1880 and 1900 the number of farms operated by owners decreased 590, or 11.8 per cent, and the number operated by tenants, 128, or 10.4 per cent. There was, however, no great change in the relative number of owners and tenants, as the percentage of owners in 1880 was 80.1, and in 1900, 79.9, a variation of only 0.2 per cent. The decrease in the number of tenant-operated farms was entirely in the share-tenant class, as the number of cash tenants was 56 greater in 1900 than in 1880.* In 1880, 20 per cent of all tenants were share tenants; in 1890, 11.5 per cent, and in 1900, but 5.7 per cent. This somewhat remarkable change in the relative number of cash tenants and share tenants is the result of a growing sentiment on the part of both landlord and tenant in favor of the cash-payment system, and

at the same time indicates greater independence and financial responsibility on the part of the tenant class.

In Table 4, 4,390 farms are classified as operated by "Owners" in 1900. Table 5 shows that 3,958 of these farms were owned by the operators; 212 were farms of which in each case a part was owned and a part leased; 12 were operated jointly by owners and tenants; and 208 were conducted by salaried managers. Of the 28 colored farmers of the state, 16 were owners, 11 were cash tenants, and 1 was a salaried manager.

OWNERSHIP OF RENTED FARMS.

The ownership of 1,019 of the 1,108 rented farms was ascertained by the enumerators. The titles to the 1,019 farms are vested in 963 owners, an average of 106 farms to every 100 owners. Of the 963 owners, 923 possess 1 farm each. The others hold titles to from 2 to 10 farms each, as follows: 34, 2; 3, 3; 1, 4; 1, 5; and 1, 10. Eight hundred and ninety-one of the owners, possessing 947 farms, reside in Rhode Island. The owners of 838 of these farms reside in the counties in which their farms are located. Of the nonresident owners, 63 reside in the North Atlantic states; 3 in the North Central states; 2 in the South Central states; 2 in the Western states; 1 resides in a South Atlantic state; and 1 in a foreign country. None of these non-residents possesses more than one rented farm, and the average value of their holdings is \$4,515. The small incomes that can be derived from such farms make it certain that there are very few nonresident landlords deriving their main support from rented farms in Rhode Island.

Of the owners residing in the state, 4,390 own farms which they operate in person, or through managers, and 891 own farms cultivated by tenants. Probably some of this latter number are included in the former, being operators owning farms in addition to the ones they personally conduct. Not counting the 89 rented farms whose owners were not ascertained, there were in Rhode Island somewhat less than 5,281 owners. Of this number, 40, or about eight-tenths of 1 per cent, possess more than one farm, and 6 of these, or about one in a thousand of the total number of owners, own more than two farms each.

There were 17 rented farms, each of which was worth \$25,000 or over, with an aggregate value of \$1,040,500, and an average of \$61,206; 53, valued at between \$10,000 and \$25,000 each, with an aggregate value of \$649,500, and an average of \$12,254; and 1,038, the average value of which was only \$3,311. It can be seen from the foregoing that only a small number of farm owners derive their support wholly or mainly from rentals, and that the number who are able to live in luxury therefrom is insignificant. The fact that 82.2 per cent of the 1,019 rented farms, with owners reported, are located

in the same county with their owners, indicates that there is no great number of farms owned by individuals or corporations who do not deal directly with their tenants but collect their rentals through agents.

FARMS AND FARM PROPERTY BY RACE OF FARMER AND BY TENURE.

Table 6 gives, by race of farmer and by tenure, the number and area of farms and the value of farm property. Table 7 presents a classification, by race and tenure, of the average values of the several forms of farm property, June 1, 1900, of the products of 1899 not fed to live stock, and of the per cent of the value of those products to the total value of farm property.

TABLE 6.—NUMBER AND AREA OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY RACE OF FARMER AND BY TENURE, WITH PERCENTAGES.

| RACE OF FARMER, AND TENURE. | Number of farms. | NUMBER OF ACRES IN FARMS. | | | VALUE OF FARM PROPERTY. | |
|--------------------------------|---------------------|------------------------------|---------|--------------|----------------------------|--------------|
| | | Average. | Total. | Per cent. | Total. | Per cent. |
| The State..... | 5,498 | 82.9 | 455,602 | 100.0 | \$26,989,189 | 100.0 |
| White farmers..... | 5,470 | 82.9 | 453,518 | 99.5 | 26,923,739 | 99.8 |
| Colored farmers..... | 28 | 74.4 | 2,084 | 0.5 | 65,450 | 0.2 |
| Owners..... | 3,958 | 78.7 | 311,519 | 68.4 | 15,529,510 | 57.5 |
| Part owners..... | 212 | 105.6 | 22,378 | 4.9 | 2,356,700 | 8.7 |
| Owners and tenants..... | 12 | 121.4 | 1,457 | 0.3 | 60,410 | 0.3 |
| Managers..... | 208 | 138.0 | 28,700 | 6.3 | 3,168,870 | 11.7 |
| Cash tenants..... | 1,045 | 82.1 | 85,826 | 18.8 | 5,002,559 | 20.8 |
| Share tenants..... | 63 | 90.8 | 5,722 | 1.3 | 265,140 | 1.0 |

TABLE 7.—AVERAGE VALUES OF FARM PROPERTY AND PRODUCTS, CLASSIFIED BY RACE OF FARMER AND BY TENURE.

| RACE OF FARMER, AND TENURE. | AVERAGE VALUES PER FARM OF— | | | | | Per cent of products not fed, to value of farm property. |
|--------------------------------|--|-----------------|---|----------------|---|---|
| | Farm property, June 1, 1900. | | | | Products of 1899 not fed to live stock. | |
| | Land and improve- ments (except build- ings). | Build- ings. | Imple- ments and machin- ery. | Live stock. | | |
| The State..... | \$2,441 | \$1,705 | \$231 | \$472 | \$976 | 19.9 |
| White farmers..... | 2,447 | 1,770 | 232 | 473 | 979 | 19.9 |
| Colored farmers..... | 1,327 | 712 | 120 | 179 | 352 | 15.1 |
| Owners..... | 1,696 | 1,603 | 205 | 420 | 878 | 22.4 |
| Part owners..... | 6,689 | 3,034 | 411 | 983 | 2,071 | 18.6 |
| Owners and tenants..... | 1,983 | 2,342 | 371 | 838 | 2,340 | 42.4 |
| Managers..... | 9,005 | 4,594 | 610 | 1,026 | 1,952 | 12.8 |
| Cash tenants..... | 3,126 | 1,567 | 215 | 453 | 927 | 17.3 |
| Share tenants..... | 2,022 | 1,522 | 225 | 440 | 772 | 18.3 |

The value of the farms owned by negroes, including implements, machinery, and live stock, together with the value of the implements, machinery, and live stock upon the farms which other negroes operate as tenants, is \$26,460. This amount is probably somewhat in ex-

cess of the actual wealth of the negro farmers of Rhode Island.

The farms of managers are larger, and more valuable per farm and per acre, than the farms of any other group classified by tenure. They also stand first in the average value of all forms of farm property, but report the smallest percentage of gross income upon total investments. The relatively large per cent of products not fed, to value of farm property, reported for farms of "Owners and tenants," is due to the fact that several farms of this class were very favorably situated dairy, poultry, or vegetable farms, the produce of which was sold in city markets at prices higher than those realized by the average farmer.

FARMS CLASSIFIED BY AREA.

Tables 8 and 9 give, for farms classified by area, the facts shown in Tables 6 and 7 for farms by race and by tenure.

TABLE 8.—NUMBER AND ACREAGE OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY AREA, WITH PERCENTAGES.

| AREA. | Number of farms. | NUMBER OF ACRES IN FARMS. | | | VALUE OF FARM PROPERTY. | |
|------------------------|------------------|---------------------------|---------|-----------|-------------------------|-----------|
| | | Average. | Total. | Per cent. | Total. | Per cent. |
| The State..... | 5,498 | 82.9 | 455,602 | 100.0 | \$23,989,189 | 100.0 |
| Under 3 acres..... | 327 | 1.8 | 413 | 0.1 | 949,650 | 3.5 |
| 3 to 9 acres..... | 507 | 5.8 | 2,925 | 0.6 | 1,683,660 | 6.2 |
| 10 to 19 acres..... | 378 | 13.9 | 8,087 | 1.8 | 1,788,549 | 6.6 |
| 20 to 49 acres..... | 1,169 | 38.0 | 38,650 | 8.5 | 5,261,880 | 19.6 |
| 50 to 99 acres..... | 1,256 | 69.8 | 87,693 | 19.1 | 5,754,130 | 21.3 |
| 100 to 174 acres..... | 1,049 | 121.6 | 130,680 | 28.7 | 5,872,640 | 21.3 |
| 175 to 259 acres..... | 358 | 204.0 | 73,644 | 16.0 | 2,473,650 | 9.2 |
| 260 to 499 acres..... | 192 | 329.9 | 63,343 | 13.9 | 2,085,250 | 7.7 |
| 500 to 999 acres..... | 45 | 635.8 | 28,610 | 6.3 | 579,180 | 2.2 |
| 1,000 acres and over.. | 17 | 1,646.8 | 22,895 | 5.0 | 641,400 | 2.0 |

TABLE 9.—AVERAGE VALUES OF FARM PROPERTY AND PRODUCTS, CLASSIFIED BY AREA.

| AREA. | AVERAGE VALUES PER FARM OF— | | | | | Per cent of products not fed, to value of farm property. |
|----------------------------|---|------------|---------------------------|-------------|---|--|
| | Farm property, June 1, 1900. | | | | Products of 1899 not fed to live stock. | |
| | Land and improvements (except buildings). | Buildings. | Implements and machinery. | Live stock. | | |
| The State..... | \$2,441 | \$1,705 | \$231 | \$472 | \$976 | 19.9 |
| Under 3 acres | 1,290 | 1,417 | 86 | 111 | 699 | 24.1 |
| 3 to 9 acres | 1,394 | 1,617 | 123 | 187 | 551 | 13.6 |
| 10 to 19 acres | 1,307 | 1,320 | 145 | 252 | 648 | 20.8 |
| 20 to 49 acres | 2,257 | 1,651 | 216 | 377 | 784 | 17.4 |
| 50 to 99 acres | 2,229 | 1,625 | 233 | 494 | 1,002 | 21.9 |
| 100 to 174 acres | 2,882 | 1,835 | 278 | 608 | 1,076 | 19.2 |
| 175 to 259 acres | 3,678 | 2,251 | 350 | 780 | 1,329 | 19.2 |
| 260 to 499 acres | 6,142 | 3,018 | 480 | 1,221 | 1,990 | 18.3 |
| 500 to 999 acres | 6,740 | 4,051 | 636 | 1,444 | 2,405 | 18.7 |
| 1,000 acres and over | 18,485 | 8,971 | 1,079 | 3,312 | 12,674 | 39.8 |

The average values given in Table 9, except those of buildings and products, are lowest for farms containing less than 3 acres, and rise in almost unbroken series to those containing 1,000 acres and over. The average values shown for the group of farms containing 1,000 acres and over are disproportionately high, owing to the fact that the group includes an exceptionally large and intensively cultivated vegetable and seed farm.

The average gross incomes per acre for the various groups classified by area are as follows: Farms under 3 acres, \$553.27; 3 to 9 acres, \$95.32; 10 to 19 acres, \$46.23; 20 to 49 acres, \$23.79; 50 to 99 acres, \$14.45; 100 to 174 acres, \$8.63; 175 to 259 acres, \$6.52; 260 to 499 acres, \$6.03; 500 to 999 acres, \$3.78; and 1,000 acres and over, \$9.41.

The very large gross income per acre shown for farms under 3 acres is explained by the fact that this group includes 75 florists' establishments and 29 city dairies, involving in their operation great relative expenditures for labor, fertilizers, and feed for stock, which expenses are not deducted in computing the gross income.

FARMS CLASSIFIED BY PRINCIPAL SOURCE OF INCOME.

Tables 10 and 11 present the leading facts concerning the number, area, value, and average value of farms classified by principal source of income. If for any farm 40 per cent of the products not fed to live stock consists of hay and grain, the farm is designated a hay and grain farm. Should 40 per cent of the products consist of vegetables, the farm is designated a vegetable farm. The farms of the other groups are classified in accordance with the same general principle. Farms with no income in 1899 are classified according to the agricultural operations upon other farms in the same locality.

TABLE 10.—NUMBER AND AREA OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY PRINCIPAL SOURCE OF INCOME, WITH PERCENTAGES.

| PRINCIPAL SOURCE OF INCOME. | Number of farms. | NUMBER OF ACRES IN FARMS. | | | VALUE OF FARM PROPERTY. | |
|-----------------------------|------------------|---------------------------|---------|-----------|-------------------------|-----------|
| | | Average. | Total. | Per cent. | Total. | Per cent. |
| The State..... | 5,498 | 82.9 | 455,602 | 100.0 | \$26,989,189 | 100.0 |
| Hay and grain..... | 298 | 101.0 | 30,106 | 6.6 | 1,386,880 | 5.1 |
| Vegetables..... | 571 | 47.1 | 26,919 | 5.9 | 3,340,630 | 12.4 |
| Fruit..... | 66 | 68.6 | 4,530 | 1.6 | 269,880 | 1.0 |
| Live stock..... | 2,188 | 68.2 | 149,146 | 32.7 | 7,195,490 | 26.7 |
| Dairy produce..... | 1,470 | 102.7 | 151,650 | 33.3 | 10,597,939 | 39.3 |
| Flowers and plants..... | 108 | 6.8 | 731 | 0.2 | 782,115 | 2.9 |
| Nursery products..... | 9 | 28.7 | 258 | 0.1 | 190,160 | 0.7 |
| Miscellaneous..... | 788 | 117.1 | 92,262 | 20.2 | 3,226,145 | 11.9 |

TABLE 11.—AVERAGE VALUES OF FARM PROPERTY AND PRODUCTS, CLASSIFIED BY PRINCIPAL SOURCE OF INCOME.

| PRINCIPAL SOURCE OF INCOME. | AVERAGE VALUES PER FARM OF— | | | | | Per cent of products not fed, to value of farm property. |
|-----------------------------|--|-------------|-----------------------------|-------------|---|--|
| | Farm property, June 1, 1900. | | | | Products of 1899 not fed to live stock. | |
| | Land and improvements (except build-ings). | Build-ings. | Imple-ments and machin-ery. | Live stock. | | |
| The State..... | \$2,441 | \$1,765 | \$231 | \$472 | \$976 | 19.9 |
| Hay and grain | 2,504 | 1,719 | 215 | 216 | 442 | 9.5 |
| Vegetables | 3,246 | 1,954 | 263 | 387 | 1,255 | 21.5 |
| Fruit | 1,792 | 2,010 | 140 | 147 | 581 | 14.2 |
| Live stock | 1,351 | 1,406 | 169 | 362 | 616 | 18.7 |
| Dairy produce..... | 3,854 | 2,207 | 325 | 323 | 1,492 | 20.7 |
| Flowers and plants..... | 3,835 | 3,147 | 215 | 45 | 2,738 | 37.8 |
| Nursery products..... | 17,256 | 3,333 | 356 | 184 | 4,674 | 22.1 |
| Miscellaneous | 1,919 | 1,589 | 219 | 367 | 760 | 18.6 |

A large number of the 2,188 farms which derive their principal source of income from live stock are poultry farms of less than 20 acres each. Many of the larger farms of the same group contain much cheap grazing land and have but limited areas under cultivation. These facts explain the low average values shown in Table 11 for farms of this class.

For the several classes of farms, the average values per acre of products not fed to live stock are: Flower and plant, \$404.62; nursery stock, \$163.06; vegetable, \$26.50; dairy produce, \$14.50; live stock, \$9.02; fruit, \$8.46; miscellaneous, \$6.49; hay and grain, \$4.38. A comparison with the average areas given in Table 10 shows that the gross income per acre is largest for the class of farms with the smallest average area, and, in general, decreases as the average size of farms increases. It should be noted, however, that the highly remunerative small farms are devoted to those branches of agriculture which involve the greatest relative expense.

FARMS CLASSIFIED BY REPORTED VALUE OF PRODUCTS NOT FED TO LIVE STOCK.

Tables 12 and 13 present data relating to farms classified by the reported values of products not fed to live stock.

TABLE 12.—NUMBER AND AREA OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY REPORTED VALUE OF PRODUCTS NOT FED TO LIVE STOCK, WITH PERCENTAGES.

| VALUE OF PRODUCTS NOT FED TO LIVE STOCK. | Number of farms. | NUMBER OF ACRES IN FARMS. | | | VALUE OF FARM PROPERTY. | |
|--|------------------|---------------------------|---------|-----------|-------------------------|-----------|
| | | Average. | Total. | Per cent. | Total. | Per cent. |
| The State..... | 5,498 | 82.9 | 455,602 | 100.0 | \$26,989,189 | 100.0 |
| \$0..... | 22 | 44.8 | 986 | 0.2 | 122,490 | 0.4 |
| \$1 to \$49..... | 114 | 36.5 | 4,163 | 0.9 | 233,120 | 0.9 |
| \$50 to \$99..... | 230 | 41.4 | 9,524 | 2.1 | 481,259 | 1.8 |
| \$100 to \$249..... | 997 | 49.6 | 49,410 | 10.9 | 2,213,720 | 8.2 |
| \$250 to \$499..... | 1,330 | 64.7 | 86,097 | 18.9 | 3,706,170 | 13.7 |
| \$500 to \$999..... | 1,263 | 88.8 | 112,125 | 24.6 | 5,896,050 | 20.0 |
| \$1,000 to \$2,499..... | 1,093 | 115.9 | 126,628 | 27.8 | 7,679,920 | 28.5 |
| \$2,500 and over..... | 449 | 148.5 | 66,669 | 14.6 | 7,156,460 | 26.6 |

TABLE 13.—AVERAGE VALUES OF FARM PROPERTY AND PRODUCTS, CLASSIFIED BY REPORTED VALUE OF PRODUCTS NOT FED TO LIVE STOCK.

| VALUE OF PRODUCTS NOT FED TO LIVE STOCK. | AVERAGE VALUES PER FARM OF— | | | | | Per cent of prod- ucts not fed, to value of farm property. |
|--|--|-----------------|--|----------------|---|--|
| | Farm property, June 1, 1900. | | | | Products of 1899 not fed to live stock. | |
| | Land and improve- ments (except build- ings). | Build- ings. | Imple- ments, and machin- ery. | Live stock. | | |
| The State..... | \$2, 441 | \$1, 765 | \$281 | \$472 | \$976 | 19.9 |
| \$0..... | 2, 150 | 3, 171 | 166 | 81 | ----- | ----- |
| \$1 to \$49..... | 831 | 1, 053 | 75 | 36 | 43 | 2.1 |
| \$50 to \$99..... | 944 | 970 | 78 | 100 | 76 | 3.6 |
| \$100 to \$249..... | 986 | 992 | 94 | 148 | 167 | 7.5 |
| \$250 to \$499..... | 1, 160 | 1, 241 | 133 | 253 | 353 | 12.8 |
| \$500 to \$999..... | 2, 008 | 1, 649 | 209 | 406 | 690 | 16.1 |
| \$1, 000 to \$2, 499..... | 3, 506 | 2, 406 | 356 | 758 | 1, 524 | 21.7 |
| \$2, 500 and over..... | 9, 283 | 4, 318 | 705 | 1, 633 | 4, 819 | 30.2 |

Of the farms of the state, 22, ranging in area from 3 to 259 acres, report no incomes. The average values of the land and improvements, buildings, and implements and machinery of these farms are relatively very high, exceeding in the first two items those of farms with reported incomes from \$500 to \$999. In all probability many of them are summer homes or country estates held for pleasure and not for the profit to be derived from operation.

The 114 farms with reported incomes of less than \$50 vary in area from less than 3 acres to 259 acres. Some farms of this class also are the country estates of business and professional men in the cities. Others are farms partially abandoned in 1899, from which a small amount of hay was gathered, and on which but a few acres, at the most, were cultivated. Some had changed owners or tenants, and the farmers in charge, June 1, 1900, were unable to give any definite information concerning the products of the preceding year. To this extent, the reports fall short of giving a complete exhibit of the farm incomes in 1899.

Of the 449 farms reporting an income of over \$2,500 each, 25 had areas of less than 3 acres; 82, from 3 to 49 acres; 120, from 50 to 99 acres; 200, from 100 to 499 acres; 12, from 500 to 999 acres; and 10 had areas of 1,000 acres or over. The fact that of the 17 farms containing over 1,000 acres each, 5 reported incomes of from \$1,000 to \$2,499, and 10, incomes of over \$2,500 each, shows that the largest farms of the state are not simply large tracts of land too poor to permit of profitable farming in small areas, but are productive in fair proportion to their size. The percentages of gross income upon investments form a continuous upward series from the group with the smallest to that having the largest average income.

CLASSIFICATION, NUMBER, AND VALUE OF LIVE STOCK.

At the request of the various live-stock associations of the country, a new classification of domestic animals was adopted for the census of 1900. Neat cattle are

grouped by age in accordance with their present and prospective relations to the dairy industry and the supply of meat products. Horses and mules are classified by age, and neat cattle and sheep by age and sex. The new classification permits close comparison with the figures published in preceding census reports.

Table 14 gives the number, value, and average value of specified domestic animals on farms, the number of such animals in barns and inclosures not on farms, and statistics concerning poultry and bees.

TABLE 14.—NUMBER AND VALUE OF DOMESTIC ANIMALS, FOWLS, AND BEES: JUNE 1, 1900.

| LIVE STOCK. | Age in years. | ON FARMS. | | | NOT ON FARMS. |
|-------------------------------------|---------------|-----------|-----------|----------------|---------------|
| | | Number. | Value. | Average value. | |
| Calves | Under 1 | 5,338 | \$45,537 | \$8.53 | 106 |
| Steers | 1 and under 2 | 149 | 2,091 | 17.48 | 5 |
| Steers | 2 and under 3 | 135 | 4,876 | 36.12 | 5 |
| Steers | 3 and over | 727 | 40,805 | 56.13 | 13 |
| Bulls | 1 and over | 831 | 23,559 | 28.35 | 3 |
| Heifers | 1 and under 2 | 3,815 | 73,276 | 19.21 | 127 |
| Cows kept for milk | 2 and over | 23,660 | 937,137 | 39.61 | 1,367 |
| Cows and heifers not kept for milk. | 2 and over | 1,379 | 38,003 | 27.60 | 17 |
| Colts | Under 1 | 91 | 4,740 | 52.09 | 18 |
| Horses | 1 and under 2 | 179 | 13,779 | 76.98 | 40 |
| Horses | 2 and over | 11,120 | 952,429 | 85.55 | 19,923 |
| Mule colts | Under 1 | 2 | 65 | 32.50 | 9 |
| Mules | 1 and under 2 | 36 | 2,770 | 76.94 | 1 |
| Mules | 2 and over | 5 | 210 | 42.00 | 31 |
| Asses and burros | All ages | 4,578 | 15,154 | 3.31 | 39 |
| Lambs | Under 1 | 5,901 | 22,575 | 3.83 | 5 |
| Sheep (ewes) | 1 and over | 728 | 8,558 | 4.88 | |
| Sheep (rams and wethers) | All ages | 11,568 | 90,614 | 7.87 | 1,360 |
| Swine | All ages | 23 | 131 | 5.70 | 75 |
| Goids | | | | | |
| Fowls: ¹ | | | | | |
| Chickens ² | | 500,618 | | | |
| Turkeys | | 4,604 | | | |
| Geese | | 6,335 | | | |
| Ducks | | 8,957 | | | |
| Bees (swarms of) | | 1,681 | 6,795 | | |
| Value of all live stock. | | | 2,593,559 | | |

¹ The number reported is of fowls over 8 months old. The value is of all, old and young.

² Including Guinea fowls.

The comparatively high value of steers 3 years old and over is the result of including in this class the high-priced working oxen still used in certain districts of the state. The number so employed is continually decreasing. In 1900 the number of all steers over 2 years was only 862, while the number of working oxen reported in 1890 was 2,609; in 1880, 3,523; in 1870, 5,821; in 1860, 7,857; and in 1850, 8,189. The total value of all live stock on farms, June 1, 1900, was \$2,593,659. Of this amount the value of horses constituted 37.8 per cent; dairy cows, 36.1 per cent; other neat cattle, 8.8 per cent; poultry, 11.8 per cent; swine, 3.5 per cent; sheep, 1.6 per cent; and all other live stock, 0.4 per cent. No report was secured of the value of animals not on farms, but it is probable that such animals have somewhat higher average values than those on farms. Allowing the same averages, the total value of all live stock in the state, exclusive of poultry and bees not on farms, is substantially \$4,393,000.

CHANGES IN THE LIVE-STOCK INDUSTRY IN FIFTY YEARS.

Table 15 shows the progress of the live-stock industry since 1850. In the figures for "Other neat cattle" in 1900, the number of calves is included, but it is uncertain whether any calves were included in preceding census reports under this designation.

TABLE 15.—NUMBER OF DAIRY COWS, OTHER NEAT CATTLE, HORSES, MULES AND ASSES, SHEEP, AND SWINE: 1850 TO 1900.

| CENSUS YEAR. | Dairy cows. | Other neat cattle. | Horses. | Mules and asses. | Sheep. ¹ | Swine. |
|--------------|-------------|--------------------|---------|------------------|---------------------|--------|
| 1900..... | 23,660 | 12,374 | 11,390 | 43 | 6,029 | 11,508 |
| 1890..... | 23,943 | 10,894 | 9,864 | 51 | 11,400 | 12,055 |
| 1880..... | 21,460 | 14,124 | 9,661 | 46 | 17,211 | 14,121 |
| 1870..... | 18,806 | 15,559 | 7,770 | 43 | 23,938 | 14,607 |
| 1860..... | 19,700 | 19,405 | 7,121 | 10 | 32,624 | 17,478 |
| 1850..... | 18,698 | 17,594 | 6,163 | 1 | 44,296 | 19,509 |

¹ Lambs not included.

It appears that there was a decrease during the last decade in the number of dairy cows and an increase in the number of "Other neat cattle" reported. As both of these changes are opposed to the general movement for the preceding forty years, and as the causes operating to produce this movement have been in nowise modified since 1890, they are believed to be more apparent than real. It is doubtless true that a large number of the 1,379 "Cows and heifers not kept for milk," included in the above table with "Other neat cattle," were in reality dairy cows that were dry at the time of enumeration. The number of calves reported in 1900 was 5,338. If calves were not included in the reports for previous census years, the decrease from 1890 to 1900 in the number of "Other neat cattle" was relatively greater than during any preceding decade.

Since 1850 the number of dairy cows has increased 26.5 per cent and the number of horses 84.7 per cent. On the other hand, "Other neat cattle" have decreased in number 29.5 per cent; swine, 41.0 per cent; and sheep, 85.0 per cent. These changes are in keeping with two general phases of the revolution in the last half century in the character of New England agriculture. The farmer has met the demands of a rapidly growing urban population for dairy produce, vegetables, and fruits, by keeping more cows, and by devoting a larger portion of his time and capital to market-gardening and horticulture, which industries require much new and improved machinery and consequently more horse power. The decrease in the number of beef cattle, sheep, and swine is incident to the recognized shifting of the meat-producing industry to the Western states, and is simply another phase of the adjustment of agriculture in the East to meet the competition of the West.

ANIMAL PRODUCTS.

The quantities and values of wool, mohair, dairy produce, and other animal products, including the value of fowls raised and of animals sold and slaughtered for food, are given in Table 16. The value of all such products in 1899 was \$3,292,295, or 61.4 per cent of the gross farm income.

TABLE 16.—QUANTITIES AND VALUES OF ANIMAL PRODUCTS, VALUE OF POULTRY RAISED, AND VALUES OF ANIMALS SOLD AND SLAUGHTERED ON FARMS, IN 1899.

| PRODUCTS. | Unit of measure or weight. | Quantity. | Value. |
|----------------------------|----------------------------|-------------|-----------|
| Wool | Pounds | 33,682 | \$7,493 |
| Mohair and goat hair | Pounds | 10 | 2 |
| Milk | Gallons | 112,323,512 | 1,923,707 |
| Butter | Pounds | 483,085 | |
| Cheese | Pounds | 6,751 | |
| Eggs | Dozens | 3,217,310 | |
| Poultry ..... | ..... | ..... | 656,845 |
| Honey | Pounds | 28,450 | 398,790 |
| Wax | Pounds | 890 | 5,166 |
| Animals sold ..... | ..... | ..... | 167,478 |
| Animals slaughtered ..... | ..... | ..... | 142,824 |
| Total ..... | ..... | ..... | 3,292,295 |

¹ Includes all milk produced.

DAIRY PRODUCE.

In no other branch of Rhode Island agriculture has there been such constant and rapid development as in dairying. With the steady growth of city population there has been an increasing demand for dairy produce of all kinds, more especially for milk and cream. These products, being less subject to Western competition than butter and cheese, have furnished a steadily increasing percentage of the income from all dairy produce. These conditions, together with the transfer of the making of butter and cheese from the farm to the creamery and cheese factory, account for a decrease since 1890 of 49.4 per cent in the quantity of butter, and of 72.6 per cent in the quantity of cheese, produced on farms. During the same period, although the number of dairy cows decreased 283, there was an increase of 2,312,965 gallons, or 21.8 per cent, in the quantity of milk produced.

Of the \$1,923,707 given in Table 16 as the value of all dairy products in 1899, \$207,296, or 10.8 per cent, represents the value of such products consumed on farms, and \$1,716,411, or 89.2 per cent, the amount realized from dairy produce sold. Of the latter sum, \$1,563,279 was derived from the sale of 9,685,988 gallons of milk; \$81,343 from 314,737 pounds of butter; \$71,142 from 95,321 gallons of cream; and \$647 from 4,779 pounds of cheese. The value of dairy products in 1899 constituted 53.4 per cent of the value of all animal products, and 35.9 per cent of the gross farm income.

POULTRY AND EGGS.

In comparing the poultry report of 1900 with that of the Eleventh Census, it should be borne in mind that in 1900 the enumerators were instructed to report only fowls 3 months old and over, while in 1890 no such limitation was made. It is probable, therefore, that more young fowls were included in the reports of 1890 than in those of the present census. The disproportionate increase in the number of eggs produced, when compared with the increase in the number of chickens, adds force to this conclusion. Between 1890 and 1900 there was an increase of but 3.8 per cent in the number of chickens, while the number of dozens of eggs increased 59.2 per cent. In the same period ducks decreased in number 34.6 per cent; turkeys, 60.5 per cent; and geese, 62.3 per cent. The state census of 1895 showed similar decreases in the number of these fowls, and stated, upon the authority of poultry experts, that the difficulty of keeping the stock free from certain diseases, together with the effects of Western competition, tended to make the raising of such poultry unprofitable. The recent development of rapid transportation and cold-storage processes has made the West a much stronger competitor than it was in 1890.

HONEY AND WAX.

The annual production of honey and wax has more than doubled since 1889. In that year the products consisted of 13,740 pounds of honey and 358 pounds of wax, while in 1899, 28,450 pounds of honey and 890 pounds of wax were produced. This industry appears to share with dairying, poultry raising, and market gardening, the attention formerly given to the raising of live stock and the cultivation of cereals.

WOOL AND MOHAIR.

The annual clip of wool is steadily decreasing. The total production in 1889 was 41,021 pounds, and in 1899 only 33,682 pounds. In fifty years the number of sheep has decreased from 44,296 to 6,629, and the clip of wool from 129,692 to 33,682 pounds.

DISTRIBUTION OF HORSES AND DAIRY COWS ON FARMS, BY SPECIFIED CLASSES.

Table 17 presents, for a few of the leading groups of farms, the number of farms reporting horses and dairy cows, the total number for each group, and the average number per farm. In computing the averages presented, only those farms which report the kind of stock under consideration are included.

TABLE 17.—DISTRIBUTION OF HORSES AND DAIRY COWS, BY SPECIFIED CLASSES OF FARMS, JUNE 1, 1900.

| CLASSES. | HORSES. | | | DAIRY COWS. | | |
|----------------------------------|--------------------|---------|-------------------|--------------------|---------|-------------------|
| | Farmers-reporting. | Number. | Average per farm. | Farmers-reporting. | Number. | Average per farm. |
| Total..... | 4,644 | 11,890 | 2.5 | 4,047 | 23,660 | 5.8 |
| White farmers..... | 4,623 | 11,341 | 2.5 | 4,034 | 23,638 | 5.9 |
| Colored farmers..... | 21 | 49 | 2.3 | 13 | 22 | 1.7 |
| Owners ¹ | 3,530 | 8,460 | 2.4 | 3,100 | 16,892 | 5.4 |
| Managers..... | 178 | 739 | 4.2 | 155 | 1,773 | 11.4 |
| Cash tenants..... | 888 | 2,043 | 2.3 | 741 | 4,758 | 6.4 |
| Share tenants..... | 58 | 128 | 2.4 | 48 | 237 | 4.9 |
| Under 20 acres..... | 974 | 1,583 | 1.6 | 642 | 1,640 | 2.6 |
| 20 to 99 acres..... | 2,157 | 4,962 | 2.3 | 1,038 | 9,541 | 4.9 |
| 100 to 174 acres..... | 941 | 2,535 | 2.7 | 938 | 6,255 | 6.9 |
| 175 to 259 acres..... | 928 | 1,049 | 3.2 | 318 | 2,703 | 8.6 |
| 260 acres and over..... | 244 | 1,261 | 5.2 | 241 | 3,518 | 14.6 |
| Hay and grain..... | 149 | 387 | 2.5 | 99 | 800 | 3.0 |
| Vegetable..... | 506 | 1,285 | 2.5 | 299 | 1,058 | 3.5 |
| Fruit..... | 47 | 81 | 1.7 | 22 | 60 | 2.7 |
| Live stock..... | 1,840 | 3,557 | 1.9 | 1,514 | 4,543 | 3.0 |
| Dairy..... | 1,874 | 4,487 | 3.3 | 1,470 | 15,609 | 10.6 |
| Miscellaneous ² | 728 | 1,612 | 2.2 | 643 | 2,037 | 3.2 |

¹Including "Part owners" and "Owners and tenants."

²Including "Flower and plant" and "Nurseries."

The group of farms operated by managers, shown in Table 6 to have the largest average area of any group classified by tenure, also reports the largest average number of horses and dairy cows of any group in this classification. This is most noticeable in the case of dairy cows, the average being 11.4; while for owners the average is 5.4; for cash tenants, 6.4; and for share tenants, 4.9. This is due to the fact that many of the farms operated by salaried managers are adjuncts of state, county, and parish asylums and charitable institutions, where large numbers of horses and dairy cows are required.

ACREAGE AND PRODUCTION OF CROPS.

The following table gives the acreage, quantities, and values of the crops of 1899:

TABLE 18.—ACRES, QUANTITIES, AND VALUES OF THE VEGETABLE PRODUCTS OF 1899.

| PRODUCTS. | Acres. | Unit of measure or weight. | Quantity. | Value. |
|-------------------------------|--------|----------------------------|-----------|-----------|
| Corn..... | 8,149 | Bushels..... | 288,220 | \$164,188 |
| Wheat..... | 15 | Bushels..... | 310 | 245 |
| Oats..... | 1,530 | Bushels..... | 47,120 | 16,631 |
| Barley..... | 222 | Bushels..... | 6,100 | 8,465 |
| Rye..... | 591 | Bushels..... | 7,710 | 4,751 |
| Buckwheat..... | 45 | Bushels..... | 650 | 427 |
| Grass seed..... | ..... | Bushels..... | 485 | 630 |
| Clover seed..... | ..... | Bushels..... | 101 | 606 |
| Hay and forage..... | 69,776 | Tons..... | 76,920 | 1,081,432 |
| Hops..... | ..... | Pounds..... | 40 | 5 |
| Dry beans..... | 216 | Bushels..... | 3,330 | 6,177 |
| Dry peas..... | 45 | Bushels..... | 940 | 1,195 |
| Potatoes..... | 5,816 | Bushels..... | 843,853 | 440,372 |
| Sweet potatoes..... | 1 | Bushels..... | 102 | 60 |
| Onions..... | 232 | Bushels..... | 116,180 | 64,227 |
| Miscellaneous vegetables..... | 4,878 | ..... | ..... | 487,808 |
| Small fruits..... | 525 | ..... | ..... | 51,292 |
| Grapes..... | 126 | Centals..... | 1,897 | 24,786 |
| Orchard fruits..... | 16,129 | Bushels..... | ..... | 155,571 |
| Nuts..... | ..... | ..... | 84 | 104 |
| Forest products..... | ..... | ..... | ..... | 106,720 |
| Flowers and plants..... | 177 | ..... | ..... | 814,806 |
| Seeds..... | 8 | ..... | ..... | 1,900 |
| Nursery products..... | 86 | ..... | ..... | 42,295 |
| Miscellaneous..... | ..... | ..... | ..... | 1,627 |
| Total..... | 98,657 | ..... | ..... | 3,041,569 |

¹Estimated from number of trees or vines.

²Including value of raisins, wine, etc.

The total value of all crops for 1899 was \$3,041,569. Of this amount, hay and forage contributed 35.6 per cent; vegetables, including potatoes and onions, 32.6 per cent; fruits and nuts, 7.0 per cent; cereals, 6.2 per cent; forest products, 6.5 per cent; flowers and plants, 10.4 per cent; and other products, 1.7 per cent.

The average yield per acre of hay and forage was 1.1 tons, and the average values were \$14.06 per ton, and \$15.50 per acre. The acreage devoted to hay and forage was 70.8 per cent of the area devoted to all crops, but it yielded only 35.6 per cent of the total receipts. The average values per acre of products from the land devoted to the various crops were as follows: Flowers and plants, \$1,778.56; nursery products, \$491.80; onions, \$219.96; miscellaneous vegetables, \$100.10; potatoes, \$75.72; orchard products, \$25.38; cereals, \$17.97. Naturally, the production of crops yielding the highest average returns per acre was attended by very high average expenditures for labor and fertilizers, and by relatively large investments in farming implements.

CHANGES IN CROPS SINCE 1889.

Table 19 presents the acreage, product, and yield per acre of each of the most important crops in 1889 and 1899.

TABLE 19.—ACREAGE AND PRODUCTION OF PRINCIPAL FARM CROPS: 1889 AND 1899.

| CROPS. | NUMBER OF ACRES. | | NUMBER OF BUSHELS. | | NUMBER OF BUSH-ELS PER ACRE. | |
|-----------------------------|------------------|--------|--------------------|----------|------------------------------|-------|
| | 1889. | 1899. | 1889. | 1899. | 1889. | 1899. |
| Barley..... | 222 | 363 | 6,100 | 8,000 | 27.5 | 22.1 |
| Buckwheat..... | 45 | 41 | 650 | 349 | 14.4 | 8.5 |
| Corn..... | 8,149 | 7,819 | 288,220 | 253,810 | 35.4 | 32.5 |
| Oats..... | 1,530 | 3,648 | 47,120 | 100,620 | 30.8 | 27.6 |
| Rye..... | 591 | 779 | 7,710 | 9,617 | 13.0 | 12.3 |
| Wheat..... | 15 | 11 | 310 | 91 | 20.7 | 8.3 |
| Hay and forage..... | 69,776 | 94,111 | 176,920 | 1101,332 | 11.1 | 11.1 |
| Potatoes ² | 5,817 | 5,595 | 843,955 | 830,855 | 145.1 | 59.1 |

¹Tons.

²Including sweet potatoes.

Owing to unusually favorable climatic conditions in 1899, the average yield per acre of most farm crops was greater than in 1889. The latter year was especially unfavorable to the growing of potatoes, the yield per acre having been only 40.7 per cent as large as in 1899. The average yield of hay per acre was approximately the same for both years, a reduction of 25.9 per cent in acreage having been attended by a corresponding reduction in the tonnage cut.

The figures of the present census show that the decline in cereal production in Rhode Island, which began about the middle of the present century, is still in progress, the total amount of grain produced in 1899 having been nearly 6 per cent less than in 1889. During this period the areas devoted to the principal cereals decreased as follows: Barley, 38.8 per cent; oats, 58.1 per cent; and rye, 24.1 per cent. Since 1859 the production of barley has decreased 85.1 per cent; buckwheat, 81.8 per cent; corn, 37.5 per cent; oats, 80.7 per cent; rye, 72.7

per cent; and wheat, 72.6 per cent. With a few exceptions, the decrease continued from decade to decade without interruption. The areas devoted to wheat and buckwheat are now so small that variations therein are of no significance. In the case of corn it is believed that the increase of 330 acres and 34,410 bushels since 1889 is closely related to the recent rapid growth of dairying. The fact that a similar movement has been noted in other New England states strengthens this conclusion.

ACREAGE AND PRODUCTION OF CORN.

Table 20 gives the total acreage and production of corn, with averages per farm and per acre for each of certain specified classes of farms.

Farms operated by managers report the largest average area in corn, and also the largest average yield per acre. As might be expected, the average acreage per farm increases with the size of the farm, but the best yields per acre are obtained from farms of medium size.

TABLE 20.—ACREAGE AND PRODUCTION OF CORN ON FARMS OF SPECIFIED CLASSES IN 1899.

| CLASSES. | Number of farms reporting. | NUMBER OF ACRES. | | NUMBER OF BUSHELS. | |
|---------------------------|----------------------------|------------------|-------------------|--------------------|-------------------|
| | | Total. | Average per farm. | Total. | Average per acre. |
| Total..... | 2,652 | 8,149 | 3.1 | 288,220 | 35.4 |
| White farmers | 2,640 | 8,130 | 3.1 | 287,760 | 35.4 |
| Negro farmers | 12 | 19 | 1.6 | 460 | 24.2 |
| Owners ¹ | 2,027 | 5,733 | 2.8 | 202,850 | 35.4 |
| Managers | 106 | 628 | 5.9 | 23,520 | 37.5 |
| Cash tenants..... | 488 | 1,066 | 3.4 | 57,970 | 34.8 |
| Share tenants..... | 36 | 117 | 3.3 | 3,880 | 33.2 |
| Under 20 acres..... | 299 | 490 | 1.6 | 16,220 | 33.1 |
| 20 to 99 acres..... | 1,257 | 3,153 | 2.5 | 112,080 | 35.5 |
| 100 to 174 acres..... | 648 | 2,108 | 3.3 | 76,970 | 36.5 |
| 175 to 259 acres..... | 257 | 1,161 | 4.5 | 41,450 | 35.7 |
| 260 acres and over | 191 | 1,237 | 6.5 | 41,550 | 33.6 |

¹Including "Part owners" and "Owners and tenants."

ORCHARD FRUITS.

The changes in orchard fruits since 1890 are shown in the following table:

TABLE 21.—ORCHARD TREES AND FRUITS: 1890 AND 1900.

| FRUITS. | NUMBER OF TREES. | | BUSHELS OF FRUIT. | |
|-----------------------|------------------|---------|-------------------|---------|
| | 1900. | 1890. | 1899. | 1889. |
| Apples..... | 213,598 | 207,230 | 839,445 | 239,367 |
| Apricots..... | 37 | 28 | 12 | 6 |
| Cherries..... | 2,198 | 3,014 | 1,329 | 689 |
| Peaches..... | 48,063 | 11,816 | 6,140 | 1,149 |
| Pears..... | 23,344 | 20,794 | 12,452 | 10,037 |
| Plums and prunes..... | 4,327 | 1,183 | 571 | 138 |

A noteworthy development of the fruit-growing industry has occurred during the last decade. This is especially marked in the cultivation of peaches, the number of trees having increased 36,247, or 306.8 per cent, and the quantity of fruit produced 4,991 bushels,

or 434.4 per cent. Substantial gains were made in every county of the state. In Newport county the number of trees increased from 399 to 3,227, or 709 per cent; in Providence county, from 2,096 to 24,373, or 1,063 per cent; and in Washington county, from 854 to 9,634, or 1,028 per cent.

All counties show in 1899 great increases over the quantities of fruit reported in 1889. The principal factors in this increase are the planting of young trees, more scientific methods of caring for orchards, and a more favorable year. The average yield per tree was 31.0 per cent greater than ten years before.

The number of apple trees increased 3.1 per cent, the entire gain having been in Providence and Washington counties. All other counties report a decrease, that in Bristol county having been from 6,591 trees to 3,599 trees, or 45.4 per cent. The number of bushels gathered, however, was greater in every county than in 1889, the gain for the state having been 41.8 per cent. Newport county reported the largest relative increase, from 8,712 to 30,343 bushels.

Pear trees increased in number 12.3 per cent, decreases in Bristol, Kent, and Washington counties having been offset by an increase from 10,210 to 13,432 trees in Providence county. Bristol county was the only one to report a smaller quantity of pears in 1899 than in 1889. The crop of the state increased 24.1 per cent.

The unusually favorable season of 1899 was responsible for an increase of 92.9 per cent in the cherry crop, although the number of trees had decreased 27.2 per cent. The number of plum and prune trees increased 265.8 per cent and the quantity of fruit produced, 313.8 per cent.

Providence county contains a large proportion of the fruit trees of the state, reporting in 1900, 56.4 per cent of the apple trees; 50.7 per cent of the peach trees; 57.5 per cent of the pear trees; 66.3 per cent of the cherry trees; and 45.9 per cent of the plum and prune trees. Of the total product, this county reports 44.1 per cent of the apples; 20.4 per cent of the peaches; 49.0 per cent of the pears; 77.7 per cent of the cherries; and 51.3 per cent of the plums and prunes. Washington county stands second, with about 20 per cent of all trees and fruits produced.

For the state the total value of all orchard products in 1899 was \$155,571. Of this amount Bristol county reported \$4,339; Kent county, \$21,986; Newport county, \$15,572; Providence county, \$77,040; and Washington county, \$36,634.

VEGETABLES AND SMALL FRUITS.

In 1899 the value of all vegetables, including potatoes, sweet potatoes, and onions, was \$992,467, of which amount 44.4 per cent represents the value of potatoes. The total area used in the growing of miscellaneous vegetables, not including potatoes and onions, was 4,873 acres, of which 1,189 acres were devoted to sweet corn;

325 acres to tomatoes; 302 acres to cabbages; and 258 acres to cucumbers. A considerable portion of the total acreage was included in family gardens, the products of which were not reported in detail.

Irrigation was reported on 2 farms only, and the total area irrigated was 40 acres. This entire acreage was in garden crops, and the value of the produce grown in 1899 was \$32,515, an average of over \$800 per acre.

The cultivation of small fruits was reported by 779 farmers. From 565 acres, an average of 0.73 acre per farm, they obtained in 1899 fruit valued at \$51,292. The acreage and products of berries were as follows: Cranberries, 300 acres and 209,888 quarts; strawberries, 154 acres and 381,870 quarts; raspberries and loganberries, 47 acres and 83,300 quarts; currants, 26 acres and 54,020 quarts; blackberries and dewberries, 17 acres and 23,600 quarts; gooseberries, 7 acres and 5,820 quarts; and unclassified berries, 14 acres and 31,200 quarts. Of the grand total of 789,698 quarts, strawberries yielded 48.4 per cent.

CULTURE OF FLOWERS, AND USE OF GLASS IN AGRICULTURE.

In 1899, 177 acres of land were devoted to the cultivation of flowers and ornamental plants, and the products sold therefrom were valued at \$314,806. The number of establishments reporting was 139, making the average area 1.3 acres and the average value of products \$2,264.79.

In 108 of these establishments commercial floriculture was the principal business. The capital invested in land and improvements, buildings, implements, and live

stock was \$782,115, of which \$339,825 represents the value of the buildings. The receipts from flowers and plants were \$288,659, and from other products, \$7,515. The proprietors expended \$72,982 for labor and \$5,950 for fertilizers.

The florists' establishments reported greenhouses with a glass surface of 962,204 square feet, covering 721,653 square feet of ground. In addition, 93 farmers and market gardeners used glass in growing flowers, plants, or vegetables. They had an area under glass of 675,447 square feet, making, with that reported by the florists, a total area under glass of 1,397,100 square feet.

LABOR AND FERTILIZERS.

The amount expended in 1899 for labor, including board furnished, was \$1,032,360, an average of \$188 per farm. The average expenditure was naturally greatest on the most intensively cultivated farms, being \$1,345 for nurseries, \$676 for florists' establishments, \$356 for vegetable farms, and \$301 for dairy farms. The lowest average cost of labor, \$70 per farm, was on live-stock farms. The variations in average expenditure correspond closely with the size of farms and the value of products.

The total cost of fertilizers purchased in 1899 was \$264,140, an average of \$48 per farm, and an increase of 52.8 per cent over the sum expended in 1889. In that year each farmer expended, on an average, but \$31 per farm, \$17 less than in 1899. Of the total amount expended in 1899, 43.3 per cent was for fertilizers used on vegetable farms, the average for such farms, \$201, being greater than for any other class.

CENSUS BULLETIN.

No. 109.

WASHINGTON, D. C.

November 9, 1901.

MANUFACTURES.

CONNECTICUT.

HON. WILLIAM R. MERRIAM,
Director of the Census.

SIR: I transmit herewith, for publication in bulletin form, the statistics of manufacturing and mechanical industries for the state of Connecticut for the census year 1900, taken in accordance with the provisions of section 7 of the act of March 3, 1899. This section requires that "The schedules of inquiries relating to the products of manufacturing and mechanical establishments shall embrace the name and location of each establishment; character of organization, whether individual, cooperative, or other form; date of commencement of operations; character of business or kind of goods manufactured; amount of capital invested; number of proprietors, firm members, co-partners, or officers, and the amount of their salaries; number of employees, and the amount of their wages; quantity and cost of materials used in manufactures; amount of miscellaneous expenses; quantity and value of products; time in operation during the census year; character and quantity of power used; and character and number of machines employed."

In each of the above particulars the requirements of the law have been observed, but certain of the data thus elicited are reserved for publication in the final volumes.

As Connecticut is a compact state with many manufacturing towns, a different method of field work was pursued there from that adopted in most of the states. Sixty-one cities and towns were withdrawn from the enumerators and assigned to special agents, and Mr. William A. Countryman, of Hartford, was appointed chief special agent in charge of the entire field force of special agents, numbering 53. Wherever the phrase "urban manufactures" is used in this bulletin, it applies to the cities and towns thus withdrawn from enumerators; and it appears from the tables now submitted that these 61 cities and towns contained 87.4 per cent of the establishments of the state, used 91.9 per cent of the capital, employed 91.5 per cent of the wage-earners, paid 92.2 per cent of the wages, and produced 92.4 per cent of the entire product of the state. It follows that the canvass of Connecticut has been more closely made than that of any state hitherto reported, the office having depended upon enumerators for but a small proportion of its reports. In addition to superintending the field work, Mr. Countryman has also prepared the text which accompanies the tables in the following bulletin.

Six cities in Connecticut contain a population exceeding 20,000 each: Bridgeport, Hartford, Meriden, New Britain, New Haven, and Waterbury. The manufacturing statistics of these cities are presented in detail by industries, and, with the exception of New Britain, in comparison with the returns for the Eleventh Census.

The statistics of Connecticut are presented in 9 tables: Table 1 showing comparative figures for the state at the several censuses; Table 2 showing all the industries of the state divided between hand trades and the manufactures proper, and also the statistics of a governmental establishment, institutions, and establishments with a product of less than \$500, which three latter classes were not reported at previous censuses; Table 3 showing the statistics of the 17 leading industries of the state for 1890 and 1900; Table 4 showing the manufacturing statistics of the cities of Bridgeport, Hartford, Meriden, New Haven, and Waterbury for the censuses of 1890 and 1900; Table 5 showing the urban manufactures of the state in comparison with the totals for the entire state and the state outside of the cities and towns withdrawn from the enumerators; Table 6 showing the statistics for the state by counties; Table 7 showing the statistics for the state by specified industries; Table 8 showing the cities of Bridgeport, Hartford, Meriden, New Britain, New Haven, and Waterbury by specified industries; and Table 9 showing the totals for all industries in each of the cities and towns withdrawn from the enumerators (exclusive of those shown in Table 8).

Table 1 shows the growth of manufactures in Connecticut for the half century which terminates with the Twelfth Census. The manufacturing statistics of the censuses prior to 1850 were too imperfect and fragmentary in character to make it proper to reproduce them in such a table as a measure of industrial growth in the first half of the century. Owing to changes in the method of taking the census, comparisons between the earlier and later decades, represented in Table 1, should be drawn only in the most general way. Nevertheless, the rate of growth in Connecticut manufactures may be fairly inferred from the figures given.

In drafting the schedules of inquiry for the census of 1900, care was taken to preserve the basis of comparison with prior censuses. Comparison may be made safely with respect to all the items of inquiry except those relating to capital, salaried officials, clerks, etc., and their salaries, the average number of employees, and the total amount of wages paid. Live capital, that is, cash on hand, bills receivable, unsettled ledger accounts, raw materials, stock in process of manufacture, finished products on hand, and other sundries, was first called for at the census of 1890. No definite attempt was made, prior to the census of 1890, to secure a return of live capital invested.

Changes were made in the inquiry relating to employees and wages in order to eliminate defects found to exist on the form of inquiry adopted in 1890. At the census of 1890 the average number of persons employed during the entire year was called for, and also the average number employed at stated weekly rates of pay, and the

average number was computed for the actual time the establishments were reported as being in operation. At the census of 1900 the greatest and least numbers of employees were reported, and also the average number employed during each month of the year. The average number of wage-earners (men, women, and children) employed during the entire year was ascertained by using 12, the number of calendar months, as a divisor into the total of the average numbers reported for each month. This difference in the method of ascertaining the average number of wage-earners during the entire year may have resulted in a variation in the number, and should be considered in making comparisons.

At the census of 1890 the number and salaries of proprietors and firm members actively engaged in the business or in supervision were reported, combined with clerks and other officials. In cases where proprietors and firm members were reported without salaries, the amount that would ordinarily be paid for similar services was estimated. At the census of 1900 only the number of proprietors and firm members actively engaged in the industry or in supervision was ascertained, and no salaries were reported for this class. It is therefore impossible to compare the number and salaries of salaried officials of any character for the two censuses.

Furthermore, the schedules for 1890 included in the wage-earning class, overseers, foremen, and superintendents (not general superintendents or managers), while the census of 1900 separates from the wage-earning class such salaried employees as general superintendents, clerks, and salesmen. It is possible and probable that this change in the form of the question has resulted in eliminating from the wage-earners, as reported by the present census, many high-salaried employees included in that group for the census of 1890.

In some instances, the number of proprietors and firm members, shown in the accompanying tables, falls short of the number of establishments reported. This is accounted for by the fact that no proprietors or firm members are reported for corporations or cooperative establishments. The number of salaried officials, clerks, etc., is the greatest number reported employed at any one time during the year, and this number may appear excessive as compared with the amount of salaries paid. The seeming inconsistency is due to the large number of establishments reporting clerks employed but a short period, who received salaries that would be small if reckoned as for the entire year.

The reports show a capital of \$314,696,736 invested in manufactures and mechanical industries in the 9,128 establishments reporting for the state of Connecticut. This sum represents the value of land, buildings, machinery, tools, and implements, and the live capital utilized, but does not include the capital stock of any of the manufacturing corporations of the state. The value of the products is returned at \$352,824,106, to produce which involved an outlay of \$12,286,050 for salaries of officials, clerks, etc., \$82,767,725 for wages, \$23,089,806 for miscellaneous expenses, including rent, taxes, etc., and \$185,641,219 for materials used, mill supplies, freight, and fuel. It is not to be assumed, however, that the difference between the aggregate of these sums and the value of the products is, in any sense, indicative of the profits in the manufacture of the products during the census year. The census schedule takes no cognizance of the cost of selling manufactured articles, or of interest on capital invested, or of the mercantile losses incurred in the business, or of depreciation in plant. The value of the product given is the value as obtained or fixed at the shop or factory.

This statement is necessary in order to avoid erroneous conclusions from the figures presented.

The value of products for the state of Connecticut, \$352,824,106, is the gross value, and not the net or true value. The difference between these two should be carefully noted. The gross value is found by adding the values of products in the separate establishments. But the finished product of one establishment is often the raw material for another. In such cases the value of the former reappears in the latter, and thus the original cost of certain materials may be included several times in the gross value. The net or true value is found by subtracting from the gross value the value of all materials purchased in a partly manufactured form. In this way the duplications in the gross value are eliminated.

At the census of 1890 the schedule was so framed that it was impossible to find the net or true value. In the present census the schedule asked for the value of the materials in two classes, those purchased in the crude state and those purchased in the partly manufactured form. From the answers to these questions the net or true value of products may be computed. Thus, for Connecticut, the gross value of products for 1900 was \$352,824,106. The value of materials purchased in partly manufactured form was \$144,809,525. The difference, \$208,014,581, is the net or true value of products, and represents the increase in the value of raw materials resulting from the various processes of manufacture.

The industrial development of Connecticut presents one of the most remarkable and interesting chapters in the history of American manufactures, as has been fully brought out in the accompanying bulletin. Although ranking forty-third in area among the states of the Union, and twenty-ninth in population, Connecticut stood tenth among the states in 1890 in the gross value of the product of her manufacturing industries, and there is no reason to believe that this high rank will be altered when the statistics of the Twelfth Census are fully compiled.

There were 11 important industries in which, in 1890, Connecticut led the country in value of products: Ammunition; bells; brass and copper, rolled; brass castings and finishing; brassware; clocks; corsets; cutlery and edge tools; hardware; plated and britannia ware; and needles and pins. It is also noteworthy that the state ranked first in average number of employees in these industries, thus combining the employment of the largest number of people with the greatest value of products. In 1890 the state made 58.7 per cent in value of the ammunition of the country; 50.2 per cent of the brass manufactures; 73.7 per cent of the clocks; 50.6 per cent of the corsets; 26.1 per cent of the cutlery and edge tools; 44.9 per cent of the hardware; 65.8 per cent of the plated and britannia ware; 48.6 per cent of the needles and pins; and 34.3 per cent of the bells—bicycle and other small bells.

Connecticut has always been a home of the textile manufactures, ranking sixth in that industry at the census of 1890. The aggregate value of the textile products of the state in 1900 was \$49,265,752, an increase of 5.4 per cent over 1890. All the indications of the statistics are that the state of Connecticut is holding her own in most of her staple industries and rapidly gaining in others.

Very respectfully,


Chief Statistician for Manufactures.

CONNECTICUT.

Table 1 shows the manufacturing and mechanical industries of the state of Connecticut as returned at the censuses of 1850 to 1900, inclusive, with the percentages of increase for each decade. This table also presents the average number of wage-earners employed by manufac-

turing establishments, in comparison with the total population of the state, and the value of the land and buildings owned and reported by manufacturers as capital, in comparison with the assessed value of all real estate and improvements.

TABLE 1.—COMPARATIVE SUMMARY, 1850 TO 1900, WITH PER CENT OF INCREASE FOR EACH DECADE.

| | DATE OF CENSUS. | | | | | | PER CENT OF INCREASE. | | | | |
|---|-----------------|---------------|---------------|---------------|---------------|--------------|-----------------------|--------------------|--------------------|--------------------|--------------------|
| | 1900 | 1890 | 1880 | 1870 | 1860 | 1850 | 1890 to 1900 | 1880 to 1890 | 1870 to 1880 | 1860 to 1870 | 1850 to 1860 |
| Number of establishments | 9,128 | 6,822 | 4,488 | 5,128 | 3,019 | 3,737 | 33.8 | 52.0 | 112.5 | 69.9 | 119.2 |
| Capital | \$314,696,786 | \$227,004,496 | \$120,480,275 | \$95,281,278 | \$45,590,430 | \$25,876,648 | 38.6 | 88.4 | 26.4 | 109.0 | 76.2 |
| Salaried officials, clerks, etc., number | 9,981 | 9,426 | (3) | (3) | (3) | (3) | 5.9 | | | | |
| Salaries | \$12,286,050 | \$9,525,289 | (3) | (3) | (3) | (3) | 29.0 | | | | |
| Wage-earners, average number | 176,694 | 140,514 | 112,915 | 89,523 | 64,469 | 50,731 | 25.7 | 24.4 | 26.1 | 38.9 | 27.1 |
| Total wages | \$82,767,725 | \$66,465,317 | \$43,501,518 | \$38,987,187 | \$19,026,196 | \$12,435,984 | 24.5 | 52.8 | 11.6 | 104.9 | 53.0 |
| Men, 16 years and over | 130,610 | 101,318 | 75,619 | 61,684 | 44,002 | 34,248 | 28.9 | 34.0 | 22.6 | 40.2 | 28.5 |
| Wages | \$69,227,497 | \$55,223,273 | (3) | (3) | (3) | (3) | 25.4 | | | | |
| Women, 16 years and over | 42,605 | 36,111 | 28,851 | 20,810 | 20,467 | 16,483 | 18.0 | 25.2 | 88.6 | 1.7 | 24.2 |
| Wages | \$12,873,190 | \$10,697,893 | (3) | (3) | (3) | (3) | 20.3 | | | | |
| Children, under 16 years | 3,479 | 3,085 | 8,445 | 7,020 | (3) | (3) | 12.8 | 168.5 | 20.1 | | |
| Wages | \$667,038 | \$544,151 | (3) | (3) | (3) | (3) | 22.6 | | | | |
| Miscellaneous expenses | \$23,089,806 | \$15,399,101 | (4) | (4) | (4) | (4) | 49.9 | | | | |
| Cost of materials used | \$185,641,219 | \$123,183,080 | \$102,183,341 | \$86,419,579 | \$40,909,090 | \$23,603,971 | 50.7 | 20.6 | 18.2 | 111.2 | 73.8 |
| Value of products, including custom work and repairing | \$352,824,106 | \$243,336,364 | \$185,697,211 | \$161,065,474 | \$81,924,555 | \$47,114,585 | 42.1 | 33.7 | 15.3 | 96.6 | 73.9 |
| Total population | 908,420 | 746,258 | 622,700 | 537,454 | 460,147 | 370,792 | 21.7 | 19.8 | 15.9 | 16.8 | 24.1 |
| Wage-earners engaged in manufactures | 176,694 | 140,514 | 112,915 | 89,523 | 64,469 | 50,731 | 25.7 | 24.4 | 26.1 | 38.9 | 27.1 |
| Per cent of total population | 19.5 | 18.8 | 18.1 | 16.7 | 14.0 | 13.7 | 86.2 | 14.3 | 12.1 | 6.6 | 98.6 |
| Assessed value of real estate | \$486,787,973 | \$261,451,606 | \$223,791,287 | \$204,110,509 | \$191,478,842 | \$96,412,947 | | | | | |
| Value of land and buildings invested in manufactures ⁵ | \$56,872,050 | \$49,277,118 | (3) | (3) | (3) | (3) | 35.7 | | | | |
| Per cent of assessed value | 13.7 | 18.8 | | | | | | | | | |

¹ Decrease.

² Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 7.)

³ Not reported separately.

⁴ Not reported.

⁵ Does not include the value of rented property.

Table 1 discloses the steady growth of the manufacturing industries of Connecticut which has led to the characterization of the state as the "Lancashire of New England."

The total population of the state in 1850 was 370,792, and in 1900, 908,420, an increase in the fifty years of 537,628, or 145 per cent. The average number of wage-earners employed in manufacturing establishments has increased from 50,731 in 1850 to 176,694 in 1900, an increase of 125,963, or 248.3 per cent, and embraced in the latter year 19.5 per cent of the total population, as compared with 13.7 per cent in 1850. The greatest number of wage-earners engaged in manufactures at any one time during the year was 212,865, or 23.4 per cent of the total population, and this percentage is a more accurate indication of the proportion so employed.

The period of greatest increase during the half century covered by Table 1 was that between 1860 and 1870, but the values reported for 1870 were expressed in a currency which was at a discount in gold. The increase in products from 1850 to 1860 was 73.9 per cent; from 1860 to 1870, 96.6 per cent; from 1870 to 1880, 15.3 per cent; from 1880 to 1890, 33.7 per cent; and from 1890 to 1900, 42.1 per cent.

Table 2 divides the industries of the state between the hand trades and the manufactures proper. This table also gives the statistics for one governmental establishment, institutions, and establishments with a product of less than \$500; these were not reported at previous censuses, and therefore are omitted from the other tables.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

| CLASSES. | Number of establishments. | Capital. | Proprietors and firm members. | WAGE-EARNERS. | | Miscellaneous expenses. | COST OF MATERIALS USED. | | | | Value of products, including custom work and repairing. |
|--|---------------------------|---------------|-------------------------------|-----------------|--------------|-------------------------|-------------------------|-------------------------|---|---------------------|---|
| | | | | Average number. | Total wages. | | Total. | Purchased in raw state. | Purchased in partially manufactured form. | Fuel, freight, etc. | |
| Total | 10,115 | \$315,146,811 | 10,399 | 177,094 | \$32,820,750 | \$23,133,960 | \$185,737,237 | \$33,011,071 | \$144,893,845 | \$7,832,871 | \$353,171,480 |
| Hand trades ¹ | 4,630 | 10,316,973 | 5,066 | 14,931 | 8,311,715 | 8,517,607 | 12,755,083 | 197,252 | 12,215,254 | 842,577 | 31,429,844 |
| Governmental establishment | 1 | 19,498 | | 61 | 22,132 | 8,554 | 2,366 | | 1,486 | 880 | 39,494 |
| Eleemosynary and penal institutions | 9 | 31,050 | 1 | 295 | 13,148 | 2,180 | 10,515 | 4,800 | 4,880 | 835 | 38,261 |
| Establishments with a product of less than \$500 | 977 | 399,527 | 1,017 | 44 | 17,745 | 33,440 | 83,187 | 5,686 | 77,454 | 47 | 274,619 |
| All other establishments | 4,498 | 304,379,763 | 4,315 | 161,763 | 74,456,010 | 19,572,199 | 172,836,136 | 32,803,333 | 132,504,271 | 7,488,532 | 321,394,262 |

¹ Includes bicycle and tricycle repairing, 197; blacksmithing and wheelwrighting, 795; boots and shoes, custom work and repairing, 594; carpentering, 547; clothing, men's, custom work and repairing, 431; clothing, women's, dressmaking, 389; dyeing and cleaning, 29; furniture, cabinetmaking, repairing, and upholstering, 123; lock and gun smithing, 27; masonry, brick and stone, 233; millinery, custom work, 237; painting, house, sign, etc., 423; paper hanging, 25; plastering and stucco work, 18; plumbing, and gas and steam fitting, 334; sewing machine repairing, 3; taxidermy, 1; typewriter repairing, 1; watch, clock, and jewelry repairing, 223.

Of the 10,115 establishments of all classes, shown in this table, 5,607, or 55.4 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than \$500." The value of the products of these establishments, consisting principally of the sums received for custom work and repairing, amounted to

\$31,704,463, or 9 per cent of the total products of the state.

In addition to the 10,115 active establishments in the state during the census year, with a capital of \$315,146,811, shown in Table 2, there were 56 idle establishments, with a capital of \$1,582,519, divided as follows:

| INDUSTRIES. | Number of idle establishments. | Capital. | INDUSTRIES. | Number of idle establishments. | Capital. |
|------------------------------------|--------------------------------|----------|--|--------------------------------|----------|
| Agricultural implements | 1 | \$10,025 | Paper and wood pulp | 2 | \$60,000 |
| Brassware | 1 | 7,000 | Paper goods, not elsewhere specified | 1 | 150,000 |
| Brass castings and brass finishing | 3 | 321,770 | Paving and paving materials | 2 | 17,600 |
| Brick and tile | 5 | 11,300 | Plated and britannia ware | 1 | 25,000 |
| Clocks | 2 | 17,300 | Pottery, terra cotta, and fire-clay products | 1 | 20,000 |
| Flouring and grist mill products | 3 | 11,550 | Shipbuilding, iron and steel | 1 | 500,000 |
| Foundry and machine shop products | 1 | 85,183 | Silk and silk goods | 1 | 20,300 |
| House furnishing goods | 1 | 28,540 | Silverware | 1 | 30,000 |
| Iron and steel | 3 | 139,111 | Woolen goods | 4 | 49,800 |
| Needles and pins | 1 | 40,000 | All other | 21 | 33,035 |

Comparative statistics for the 17 leading industries in Connecticut are presented in Table 3.

TABLE 3.—COMPARATIVE SUMMARY OF SEVENTEEN LEADING INDUSTRIES.

| INDUSTRIES. | Year. | Number of establishments. | Capital. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | Value of products, including custom work and repairing. |
|--|-------|---------------------------|---------------|-----------------|--------------|-------------------------|-------------------------|---|
| | | | | Average number. | Total wages. | | | |
| Total for selected industries for state | 1900 | 993 | \$201,903,756 | 110,346 | \$49,880,799 | \$11,512,569 | \$112,710,165 | \$205,734,909 |
| | 1890 | 949 | 151,197,907 | 89,154 | 40,011,864 | 9,843,339 | 69,903,660 | 141,281,406 |
| Increase, 1890 to 1900 | | 44 | 50,705,849 | 21,192 | 9,868,935 | 1,664,230 | 42,806,505 | 64,458,503 |
| Per cent of increase | | 4.6 | 33.5 | 23.8 | 24.7 | 16.9 | 61.2 | 45.6 |
| Per cent of total of all industries in state | 1900 | 10.9 | 64.2 | 62.5 | 80.3 | 49.9 | 60.7 | 58.3 |
| | 1890 | 13.9 | 66.6 | 63.4 | 80.2 | 64.0 | 56.7 | 56.9 |
| Ammunition | 1900 | 5 | 4,780,388 | 4,134 | 2,193,270 | 919,039 | 5,200,807 | 9,823,712 |
| | 1890 | 4 | 1,438,320 | 1,443 | 668,406 | 205,505 | 820,252 | 3,338,774 |
| Brass manufactures: | | | | | | | | |
| Total | 1900 | 58 | 25,274,802 | 12,652 | 6,698,955 | 1,333,028 | 36,185,970 | 48,526,868 |
| | 1890 | 53 | 21,025,633 | 10,636 | 5,196,384 | 1,410,427 | 12,826,536 | 22,309,894 |
| Brass and copper, rolled | 1900 | 11 | 11,900,134 | 5,303 | 2,853,013 | 610,164 | 24,133,559 | 29,787,282 |
| | 1890 | 5 | 4,767,896 | 1,600 | 732,023 | 163,670 | 2,605,631 | 4,169,933 |
| Brass castings and brass finishing | 1900 | 26 | 7,164,071 | 4,221 | 2,221,333 | 367,656 | 5,770,875 | 9,470,427 |
| | 1890 | 25 | 7,109,461 | 3,327 | 1,633,267 | 536,761 | 4,237,237 | 7,423,011 |
| Brassware | 1900 | 21 | 6,210,657 | 3,123 | 1,619,609 | 355,208 | 6,281,536 | 9,269,159 |
| | 1890 | 23 | 9,148,326 | 5,709 | 2,731,094 | 710,096 | 5,893,668 | 10,711,945 |
| Carriages and wagons | 1900 | 117 | 5,010,816 | 2,192 | 1,298,096 | 161,571 | 1,532,351 | 4,205,723 |
| | 1890 | 131 | 3,093,997 | 1,904 | 1,273,222 | 152,497 | 1,491,618 | 3,593,944 |
| Clocks | 1900 | 10 | 5,065,682 | 3,929 | 1,907,553 | 240,804 | 1,325,425 | 4,545,047 |
| | 1890 | 9 | 4,435,429 | 2,777 | 1,373,629 | 200,499 | 1,037,327 | 3,117,136 |
| Corsets | 1900 | 24 | 2,978,593 | 5,755 | 1,796,193 | 263,492 | 3,179,304 | 6,346,964 |
| | 1890 | 18 | 3,982,271 | 4,868 | 1,692,751 | 543,631 | 3,083,618 | 6,274,867 |
| Cutlery and edge tools | 1900 | 44 | 5,855,752 | 4,077 | 2,037,193 | 335,952 | 1,904,668 | 5,362,620 |
| | 1890 | 48 | 3,443,843 | 2,162 | 1,168,407 | 241,842 | 956,608 | 2,895,390 |

TABLE 3.—COMPARATIVE SUMMARY OF SEVENTEEN LEADING INDUSTRIES—Continued.

| INDUSTRIES. | Year. | Number of establishments. | Capital. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | Value of products, including custom work and repairing. |
|--|-------|---------------------------|-------------|-----------------|--------------|-------------------------|-------------------------|---|
| | | | | Average number. | Total wages. | | | |
| Electrical apparatus and supplies..... | 1900 | 17 | \$2,513,812 | 961 | \$405,604 | \$222,400 | \$1,978,715 | \$3,167,842 |
| | 1890 | 5 | 681,182 | 167 | 81,547 | 82,841 | 390,171 | 628,602 |
| Foundry and machine shop products..... | 1900 | 260 | 23,020,068 | 12,646 | 6,948,809 | 1,097,036 | 6,683,689 | 18,991,079 |
| | 1890 | 198 | 13,523,724 | 8,648 | 5,031,488 | 951,626 | 4,874,852 | 13,814,166 |
| Fur hats (also hats and caps, not including fur hats, and wool hats) | 1900 | 73 | 8,292,146 | 5,265 | 2,565,299 | 407,450 | 3,992,328 | 8,098,072 |
| | 1890 | 50 | 2,542,892 | 6,065 | 3,107,265 | 346,981 | 3,084,118 | 7,527,017 |
| Hardware..... | 1900 | 63 | 21,694,851 | 12,056 | 5,664,046 | 1,333,779 | 6,576,620 | 16,301,198 |
| | 1890 | 70 | 18,458,589 | 8,108 | 3,977,952 | 1,501,598 | 4,407,985 | 11,995,028 |
| Iron and steel..... | 1900 | 8 | 4,986,147 | 1,828 | 959,825 | 198,067 | 2,348,411 | 4,318,481 |
| | 1890 | 13 | 2,189,621 | 649 | 362,405 | 96,123 | 1,324,078 | 2,037,618 |
| Needles and pins..... | 1900 | 18 | 2,250,021 | 1,238 | 533,298 | 177,603 | 708,323 | 1,761,806 |
| | 1890 | 13 | 1,030,573 | 660 | 271,426 | 42,525 | 257,278 | 787,396 |
| Paper and wood pulp..... | 1900 | 49 | 3,968,152 | 1,425 | 633,413 | 279,962 | 1,882,080 | 3,565,021 |
| | 1890 | 42 | 3,920,916 | 1,393 | 625,522 | 302,592 | 2,014,680 | 3,556,257 |
| Plated and britannia ware..... | 1900 | 26 | 13,067,209 | 4,491 | 2,293,017 | 582,685 | 4,679,220 | 9,538,397 |
| | 1890 | 21 | 9,916,866 | 4,159 | 2,071,698 | 782,563 | 3,391,944 | 7,569,920 |
| Rubber and elastic goods..... | 1900 | 22 | 6,094,867 | 3,006 | 1,136,162 | 452,298 | 5,697,899 | 8,246,240 |
| | 1890 | 16 | 2,300,690 | 2,245 | 869,877 | 108,115 | 2,098,148 | 3,476,398 |
| Sewing machines and attachments..... | 1900 | 7 | 5,216,570 | 2,104 | 1,176,022 | 265,786 | 966,567 | 3,170,187 |
| | 1890 | 5 | 4,174,710 | 1,294 | 697,654 | 142,030 | 542,385 | 1,646,184 |
| Textiles: | | | | | | | | |
| Total..... | 1900 | 197 | 66,834,315 | 32,587 | 11,583,984 | 8,236,772 | 27,272,988 | 49,265,752 |
| | 1890 | 208 | 60,038,346 | 31,991 | 11,562,381 | 2,801,894 | 27,251,161 | 46,757,780 |
| Cotton goods (including cotton small wares)..... | 1900 | 57 | 27,367,538 | 13,205 | 4,397,024 | 1,288,809 | 7,638,538 | 15,500,842 |
| | 1890 | 65 | 26,431,578 | 13,220 | 4,239,546 | 954,637 | 8,215,751 | 15,409,476 |
| Dyeing and finishing textiles..... | 1900 | 5 | 3,243,744 | 1,300 | 578,756 | 216,075 | 907,377 | 2,269,967 |
| | 1890 | 5 | 775,852 | 477 | 237,102 | 77,336 | 300,330 | 715,388 |
| Hosiery and knit goods..... | 1900 | 25 | 6,149,338 | 3,243 | 1,131,078 | 205,658 | 2,202,640 | 4,043,977 |
| | 1890 | 27 | 4,822,911 | 3,059 | 967,301 | 197,422 | 2,029,921 | 3,771,567 |
| Shoddy..... | 1900 | 7 | 494,074 | 118 | 44,163 | 33,601 | 362,438 | 587,733 |
| | 1890 | 7 | 395,336 | 166 | 72,545 | 26,099 | 442,852 | 645,060 |
| Silk and silk goods..... | 1900 | 38 | 12,166,775 | 6,514 | 2,392,373 | 637,450 | 7,193,008 | 12,378,981 |
| | 1890 | 35 | 9,037,042 | 4,964 | 1,847,581 | 270,426 | 6,201,876 | 9,788,951 |
| Woolen goods..... | 1900 | 51 | 9,140,066 | 4,668 | 1,760,917 | 473,106 | 4,951,162 | 8,097,218 |
| | 1890 | 55 | 10,188,042 | 5,069 | 1,881,019 | 614,561 | 5,768,096 | 9,082,493 |
| Worsted goods..... | 1900 | 10 | 5,054,659 | 2,198 | 846,901 | 310,267 | 2,971,926 | 4,589,814 |
| | 1890 | 10 | 5,263,201 | 2,234 | 833,271 | 405,369 | 2,814,186 | 4,651,402 |
| All other textiles (carpets and rugs, other than rag; felt goods) | 1900 | 4 | 3,218,121 | 1,341 | 432,222 | 71,806 | 1,140,899 | 1,897,220 |
| | 1890 | 4 | 3,124,884 | 2,802 | 1,474,016 | 266,044 | 1,498,120 | 2,690,448 |

The state of Connecticut comprises 4,845 square miles of land, 145 square miles of water, and a sea coast 100 miles in length on Long Island Sound. In area it ranks forty-third among the states of the Union (but two, Rhode Island and Delaware, are smaller), and in order of population it is twenty-ninth.

The preeminence of the state in manufacturing is due in part to its excellent communication by rail and water with all parts of the country; to its geographical location, by which it can handle a large export trade; to its water power; to its plentiful supplies of labor and capital, the former gathered easily in the great centers of the east, and the latter coming to it not alone from its profitable manufactures but also from its large insurance and banking interests; to its joint-stock laws; and, above all, to its early settlers and their descendants, men of great inventive genius, frugality, and industry.

Alexander Johnston, in his "Connecticut," becomes enthusiastic over the progress of the commonwealth. By looking out for himself, the Connecticut Yankee had, before the close of the last century, developed household industries, working day and night, making nails or anything that would sell. This application, continued through generations, took the place of the present-day technical

schools. This has developed in recent years the modern mechanic out of the Connecticut agriculturist and transformed the commonwealth into a great industrial community. As early as 1716, nail mills were established, and there was a surplus of product for exportation. Connecticut's iron mines in the town of Salisbury furnished iron for the cannon for the Continental Army and the chains that barred the Hudson River to the enemy. "Lack of coal as fuel," the historian writes, "might weigh heavily against the value of their iron mines, but the ingenuity of the workmen was a possession that could not be taken away." These men "scoured the world for materials and passed them through the crucible of Connecticut ingenuity." But the joint-stock act of 1837 contributed greatly to the state's prosperity. Its principle of permitting small sums to be capitalized in manufacture, has been copied by almost every state in the Union and by Great Britain, the effect upon the "industrial development of the whole modern world" being "quite beyond calculation."¹

In Connecticut more industries are secured by patents than in any other state.² For many years the state has led

¹ Connecticut, Alexander Johnston, page 328 et seq.

² History of Connecticut, E. B. Sanford, page 291.

the country in number of patents issued in proportion to population; in 1890 it was 1 patent to every 796 persons; in 1900, 1 to every 1,203.

Connecticut has been widely known as the manufacturing center for Yankee notions. The Census Office classifications, being necessarily general, can not show the great variety of these wares. They are found largely in such classifications as brassware, foundry and machine shop products, fancy articles not elsewhere specified, etc. The manufacturing statistics of the country are assigned to 359 classifications according to their products of chief value; of these Connecticut is accredited with 249, or 69.4 per cent.

The patents granted to the inventors of one city in Connecticut show a small percentage of an infinitude of small wares, such as bottle-top handles, shot-pouch chargers, lamp holders, bread toasters, scissors sharpeners, machines for sticking pins in paper (which helped Connecticut to undersell other markets), picture nails, carpet fasteners, clothes-dryers, necktie fasteners, eyelets, napkin holders, utensils for mixing liquids, perforated music sheets, washing machines, drawer pullers, and church-pew headrests.

The Yankee peddler was developed by the manufacture of tinware, clocks, and other small wares, and Connecticut became the land of Yankee notions and Brother Jonathan. Tinware was first manufactured in Connecticut, in Berlin, about 1770.¹ In 1795 Mark Leavenworth began the manufacture of axes, steelyards, ramrods, bayonets, and other small articles of steel. In 1801 he journeyed to Georgia with axes and steelyards, exciting much wonder.²

Eli Terry, one of the founders of the clock manufacture, received pay for a clock in salt pork, which he carried home in his saddlebags. Chauncey Jerome, another of the founders, went to surrounding towns with clocks to sell. He would take one under each arm and go from house to house.³ In 1800, Gideon Roberts used to take three or four clocks at a time to New York state to sell. "I have seen him many times, when a small boy, pass my father's house on horseback with a clock in each of his saddlebags, and a third lashed on behind the saddle with the dials in plain sight."³

Eli Terry obtained his knowledge of clocks from Thomas Harland, who came to Norwich from London, England, in 1778. Mr. Terry was a native of East Windsor, now South Windsor, where he made his first clock, with wooden wheels, in 1792. He moved to Plymouth in 1793, invented the pillar-scroll and case clock in 1814, and made a fortune. A village in Plymouth is now named in his honor, and in the town of Thomaston, which was set off from Plymouth, a large clock factory still flourishes, established by Seth Thomas about the year 1808. The industry has since been started in Waterbury, Winsted, Litchfield, and Bristol. In all these places, except Litchfield, the business has

remained, and increased to large proportions. Chauncey Jerome, who was an apprentice of Mr. Terry at Plymouth, left him to make brass shelf clocks in Bristol. In 1837 he revolutionized the industry by using brass wheels, and in 1844 he removed to New Haven, where the New Haven Clock Company's works founded by him still exist.

New Haven produced the inventor of the process of vulcanizing india-rubber, Charles Goodyear. His father was an inventor, having a shop at Naugatuck, while he himself made iron forks for agricultural use and started a hardware store in Philadelphia. As no method of hardening rubber had yet been discovered, rubber shoes melted in summer and remained sticky and odorous in winter. Nathaniel Hayward, of Woburn, Mass., who, in 1850, started the Hayward Rubber Works at Colchester, Conn., had discovered a method of hardening the surface of the gum by adding powdered sulphur. He assigned this patent to Goodyear, who, one cold winter's night, while with his family around the stove, accidentally dropped a bit of the gum on the red-hot iron. It vulcanized. He nailed it to the outside of the house until morning, and found it perfectly elastic. Thus was established the principle on which the rubber goods of the world are made. His first patent was secured in 1844; he secured more than fifty in all; won many medals at foreign exhibitions, and received the ribbon of the Legion of Honor from the Emperor of France. Upon his license were founded the large factories at Naugatuck. New Haven has a large plant.

Eli Whitney, the inventor of the cotton-gin, was one of the earliest makers of firearms. He began at Whitneyville, just outside of New Haven, early in the century. He took up the system of interchangeable parts for guns, and by close personal supervision executed contracts which had caused the failure of other contractors. In 1814 Colonel North made pistols in Middletown.⁴

In 1829 Samuel Colt, of Hartford, while on a voyage to Calcutta, devised a six-barreled revolver to be used with percussion caps. In 1835 he perfected a six-barreled rotating breech, and Lieutenant-Colonel Harney used this arm in 1837 in fighting the Indians. Then came the Mexican War and the California gold craze. Colonel Colt built factories at Hartford costing half a million dollars. In 1858 he was turning out 60,000 revolvers a year. They were used by the English in the Crimea and by Garibaldi in Italy.⁵ The Spencer rifle, and the Sharp rifle were made also in Connecticut prior to 1861. The Winchester rifle is made at New Haven in large quantities. The Gatling gun is made at the Colt works at Hartford, and ordnance of improved type is made at Bridgeport and Derby.

The fourth of the colonies to engage in the silk culture was Connecticut. This was about 1732. It was almost the only colony to follow it to any notable extent. Mulberry

¹ History of Connecticut, page 295, note.

² Town and City of Waterbury, edited by Joseph Anderson, D. D. Vol. II, pages 263 and 264.

³ American Clock Business, by Chauncey Jerome, page 38 et seq.

⁴ Tenth Census of United States, 1880, Manufactures, page 618.

⁵ Industrial History of the United States, A. S. Bolles, page 255 et seq.

trees, the leaves of which furnished food for the silk worm, were planted at New Haven and Mansfield. In 1763 President Stiles, who afterwards wore a commencement gown of domestic silk, secured the passage of a law by which the colony paid a bounty for the planting of trees and the raising of raw silk. A half ounce of mulberry seed was sent to every town for distribution, but Mansfield was the only place where silk raising became a fixed industry. In 1758 Dr. Aspinwall founded a factory there.¹ Eastern Connecticut was the principal center of the raw-silk industry during the first quarter of the last century. In 1810 the counties of New London, Tolland, and Windham produced raw silk and sewing silk to the value of \$28,503. In 1814 the Hanks mill was started at Mansfield. In 1827-8 the Mansfield Silk Company was established. In 1835 the Connecticut Silk Manufacturing Company was founded at Hartford, but closed after three years.² Silk mills were afterwards located at Windsor Locks and Warehouse Point. In 1888 the Cheney Brothers started in South Manchester, where they still operate one of the largest silk mills in the country.

Elias Howe, jr., the inventor of the sewing machine, early gave his name to a factory at Bridgeport. In 1850 a patent for a different style of machine was issued to Allen B. Wilson. The Wilson machines were first made at Watertown, but in 1856 the factories were removed to Bridgeport, where they are yet in active operation.³

The brass manufactures of Connecticut in Waterbury were built up by the metal-button business, which led to brass making on a large scale. Brass was made in that city before 1749 by John Allyn, as is shown by the inventory of his goods. Hammered brass kettles and brass wire were first made in the United States here or in this vicinity. Prior to 1835 all the pins used in the United States were imported. Twenty years earlier a few pins were made, but were not commercially successful. In order to afford a market for brass wire, automatic machines for the manufacture of pins were brought into use about 1841, the trade being controlled by Waterbury and Birmingham (now Derby). Hooks and eyes were also made. The first Waterbury watch, made by hand, was exhibited January 9, 1878. Since then it has been much improved, and millions have been manufactured.⁴

About the year 1804 a cotton mill was established at Vernon, Hartford county, followed in 1806 by a large mill at Pomfret. According to an official report made to Congress in 1810, Connecticut had at the close of the previous year, 4 mills, excluding 2 then building.⁵

The present large cotton factories had their beginnings after the war of 1812. A mill was built at Jewett City, in 1810, and in 1823 it was bought by Samuel and John Slater, of Rhode Island. It is still in the hands of that

family. In 1825 John Slater bought a mill at Hopeville, on the Pauchaug River. In 1848 Henry and Robert Lippitt bought the Tiffany mill at Danielsonville, and organized the Quinebaug Company. The cotton mills of the state are clustered on the streams that flow into the Thames at Norwich. In Norwich, Thompson, Putnam, Plainfield, Killingly, and Windham are located more than seven-tenths of all the cotton spindles in Connecticut. The great mill at Baltic has been rebuilt by the Ponemah Company, which has large mills on both sides of the Shetucket River, four miles from Norwich, where are made the finest percales and lawns for printing. The large mills at Grosvenor Dale in the town of Thompson were built by John Mason, but in 1845 passed into the possession of Dr. William Grosvenor. The Willimantic Linen Company, at Windham, is in a sense the parent of the great cotton-thread producing corporations of New England.⁶

The first woolen factory in New England was organized at Hartford in 1788. Small mills sprang up here and there, and in 1812 a mill belonging to Aaron Buckland, at Buckland, near Hartford, made blankets for the soldiers. In 1803 Col. David Humphreys bought a privilege in what is now Seymour, imported Merino sheep, and in 1806 built a mill, and founded the New England factory village. In 1812 the Middletown Woolen Manufacturing Company was the first to use steam power.⁷ It made thirty to forty yards daily of cloth worth nine or ten dollars per yard. The largest modern woolen mills are at Rockville, town of Vernon, at Stafford Springs, town of Stafford, in Tolland county; and at Broad Brook, Hartford county. In Connecticut worsteds for men's wear were first made in 1869 at one of the mills in Rockville.

The process of electro-silver plating was invented in Hartford about the year 1846 by the Rogers Brothers—Asa H., William, and Simeon S. A company was formed in 1851.⁸ From this small beginning sprang the plants in Waterbury, Meriden, and other places.

Norwich claims the first paper mill in Connecticut, established in 1768. In 1776 there was a paper mill at East Hartford. In 1860 the Pacific Mills at Windsor Locks and the Chelsea Mills at Norwich were among the largest establishments of the kind in the world. Four-drinier machines were first made in the United States at Windham, in 1830.⁹

Hats were first made in Danbury, by Zadoc Benedict, in 1780. He made 3 per day. Patents were taken out for improving the manufacture as early as 1808, and in 1831 Stephen Hurlburt, of Glastonbury, secured a patent for the hardening of hats upon a cone.⁹ From these small beginnings Danbury's product reached nearly eight millions of dollars in 1900.

The first axe shop in the country is said to have been

¹ History of Connecticut, page 295, note.

² Industrial History of the United States, page 430 et seq.

³ The New England States, Vol. II, pages 967 and 968.

⁴ Town and City of Waterbury, Vol. II, page 262 et seq.

⁵ Eighth Census of the United States, Manufactures, Introduction, page 16 et seq.

⁶ The New England States, Vol. I, page 162 et seq.

⁷ Ibid., page 195 et seq.

⁸ Ibid., Vol. II, page 832.

⁹ Eighth Census of the United States, Manufactures, Introduction, page 121 et seq.

started by Samuel W. and D. C. Collins of Hartford who, in 1826, operated a little trip-hammer shop making 8 axes per day. They afterwards moved to Collinsville.

During the last ten years, automobiles of many kinds have been invented and manufactured, the statistics being included in the classification for carriages and wagons. The bicycle manufacture has risen with innumerable inventions.

A large steel shipbuilding plant is in active operation at Eastern Point, Groton, opposite New London, on one of the best harbors in the country. Just above Norwich, a compressed-air plant—said to be the first of its peculiar kind in the United States—has been hollowed out of the rock on the Quinebang River, with water as the compressor.

The increase in the value of products during the decade from 1890 to 1900 in a number of the leading industries, was: Ammunition, 155.9 per cent; bells, 206.7 per cent; buttons, 17.2 per cent; brass manufactures, 117.5 per cent; carriages and wagons, 16.9 per cent; clocks, 45.8 per cent; corsets, 9.1 per cent; cutlery and edge tools, 85.2 per cent; envelopes, 75.7 per cent; firearms, 31.9 per cent; foundry and machine shop products, 42.6 per cent; fur hats (included in hats and caps in 1890), 7.6 per cent; hardware, 35.9 per cent; saddlery, 49.7 per cent; hosiery and knit goods, 7.2 per cent; ironwork, architectural and ornamental, 82.4 per cent; musical instruments, pianos and materials, 109 per cent; needles and pins, 138.9 per cent; plated and britannia ware, 26 per cent; rubber and elastic goods, 137.2 per cent; sewing machines and attachments, 92.6 per cent; silk and silk goods, 26.5 per cent; stamped ware, 1,206.6 per cent; and typewriters and supplies, 63.1 per cent.

Connecticut is one of the chief centers of the textile industry, and occupies the same rank as a textile manufacturing state as it did in 1890, with a product in 1900 valued at \$49,265,752, being exceeded only by Massachusetts, Pennsylvania, New York, Rhode Island, and New Jersey. In the cotton manufacture in Connecticut there were, in 1900, 1,001,474 active spindles, an increase from 934,155 spindles in 1890; and 19,550 looms, an increase from 18,933 looms in 1890. The value of the products of its cotton mills was \$15,500,842, substantially the same as in 1890, but in the dyeing and finishing of textiles, the value of products was \$2,269,967, an increase of 217.3 per cent over \$715,388 reported in 1890. In the wool manufacture 222,640 spindles were employed in 1900, contrasted with 184,914 spindles in 1890; and 3,616 looms as compared with 3,640 looms in 1890. The total value of the product of the wool industry was \$22,618,867, compared with \$17,072,398 in 1890; but the returns of 1900 include the product of the fur hat manufacture, valued at \$7,546,882, which was not included in the same classification in 1890. The wool hat manufacture, which was once quite large in Connecticut, has been superseded in that state by the fur

hat manufacture. The hosiery and knit goods manufacture of the state shows increase, the number of knitting machines employed increasing from 1,195 in 1890 to 2,672 in 1900, and the value of the product increasing from \$3,771,567 to \$4,043,977. The silk manufacture shows a product of \$12,378,981, an increase from \$9,788,951 in 1890, or 26.5 per cent.

The aggregate value of the textile products of the state for 1900, eliminating the products of the fur hat manufacture, was \$49,265,752, an increase from \$46,757,780, or 5.4 per cent, showing that Connecticut is more than holding her own in this important branch of her industries.

Out of a total of 9,128 establishments in the state, (as shown by Table 1), 4,153, or 45.5 per cent, were established during the decade. The increase in the total number of establishments since 1890 was only 33.8 per cent, so that the percentage of new plants was much greater than the percentage of total increase. Of the 4,153 established during the decade, 139, or 1.5 per cent of the 9,128, were founded in the census year. The largest number of these new establishments naturally appeared in the small industries or in the hand trades—boots and shoes, custom work and repairing, leading with 417 establishments. The new foundries and machine shops numbered 92; the fur hat establishments, 31; hardware, 17; bicycles and tricycles, 16; brass manufactures, 15; corsets, 13; silk and silk goods, 10; ship and boat building, wooden, 10; cutlery and edge tools, 9; woolen goods, 9; cotton goods, 9; tools, not elsewhere specified, 8; hosiery and knit goods, 5; firearms, 3; worsted goods, 3; and ammunition, 2. This is notable as disclosing an enlargement in number in the leading manufacturing industries of the state.

URBAN MANUFACTURES.

There were 61 cities and towns in Connecticut in which the manufacturing and mechanical industries were considered of sufficient importance to justify their withdrawal from the enumerators, and the appointment of special agents to collect the statistics. The manufacturing establishments located within the corporate limits of such places are considered "urban manufactures."

The presentation of statistics in detail is restricted to those cities having a population of 20,000 or over. There were 6 cities, namely, Bridgeport, Hartford, Meriden, New Britain, New Haven, and Waterbury, falling within this requirement.

The statistics of Bridgeport, Hartford, Meriden, New Haven, and Waterbury were published separately at the census of 1890, and Table 4 is a comparative summary, presenting the totals for each of the 5 cities, together with the per cent of increase during the decade, and also the per cent that the totals for these 5 cities formed of the total for the entire state at the two censuses. New Britain was not separately reported at the census of 1890 and its growth, therefore, can not be shown.

TABLE 4.—COMPARATIVE SUMMARY,¹ BRIDGEPORT, HARTFORD, MERIDEN, NEW HAVEN, AND WATERBURY, 1890 AND 1900, WITH PER CENT OF INCREASE.

| | Year. | Number of establishments. | Capital. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | Value of products, including custom work and repairing. |
|--|-------|---------------------------|---------------|-----------------|--------------|-------------------------|-------------------------|---|
| | | | | Average number. | Total wages. | | | |
| The State..... | 1900 | 9,128 | \$314,696,786 | 176,694 | \$32,767,725 | \$23,089,806 | \$185,641,219 | \$352,824,106 |
| Per cent of increase..... | 1890 | 6,822 | 227,004,496 | 140,514 | 66,465,317 | 15,399,101 | 123,133,080 | 248,336,364 |
| | | 33.8 | 38.6 | 25.7 | 24.5 | 49.9 | 50.7 | 42.1 |
| Bridgeport..... | 1900 | 882 | 33,066,890 | 19,291 | 9,123,790 | 2,564,392 | 19,133,236 | 37,883,721 |
| Per cent of increase..... | 1890 | 559 | 19,786,572 | 12,116 | 6,381,103 | 1,442,378 | 10,428,987 | 22,274,635 |
| | | 48.8 | 67.1 | 59.2 | 43.0 | 77.8 | 83.5 | 70.1 |
| Hartford..... | 1900 | 888 | 30,500,047 | 13,883 | 7,603,809 | 3,375,585 | 14,103,167 | 31,145,715 |
| Per cent of increase..... | 1890 | 513 | 14,126,282 | 8,311 | 4,829,428 | 886,428 | 7,964,936 | 17,164,318 |
| | | 73.1 | 115.9 | 60.8 | 57.4 | 280.8 | 77.1 | 81.5 |
| Meriden..... | 1900 | 260 | 16,699,004 | 7,531 | 3,702,240 | 1,085,142 | 5,861,612 | 13,485,640 |
| Per cent of increase..... | 1890 | 238 | 13,712,146 | 7,301 | 3,763,954 | 1,460,571 | 4,900,594 | 11,962,172 |
| | | 9.2 | 21.8 | 3.2 | 1.6 | 25.7 | 19.6 | 12.7 |
| New Haven..... | 1900 | 1,236 | 30,463,066 | 20,536 | 10,016,571 | 3,181,004 | 18,493,593 | 40,762,015 |
| Per cent of increase..... | 1890 | 1,129 | 19,592,384 | 15,906 | 8,185,876 | 2,696,245 | 14,400,638 | 33,396,311 |
| | | 9.5 | 55.5 | 29.1 | 22.4 | 18.0 | 28.4 | 22.1 |
| Waterbury..... | 1900 | 404 | 23,421,640 | 14,914 | 7,564,198 | 1,664,050 | 19,821,401 | 33,778,905 |
| Per cent of increase..... | 1890 | 219 | 17,682,500 | 9,840 | 4,984,868 | 1,155,304 | 8,715,921 | 17,712,829 |
| | | 84.5 | 32.5 | 51.6 | 51.7 | 44.0 | 127.4 | 90.7 |
| Total for 5 cities..... | 1900 | 3,620 | 134,160,647 | 75,635 | 33,010,608 | 11,870,173 | 77,413,009 | 157,055,996 |
| Per cent of increase..... | 1890 | 2,658 | 84,899,884 | 53,474 | 23,145,259 | 7,640,926 | 46,411,076 | 102,510,285 |
| | | 36.2 | 58.0 | 41.4 | 35.1 | 55.8 | 60.8 | 53.2 |
| Per cent of 5 cities to total for state..... | 1900 | 39.7 | 42.6 | 42.8 | 45.9 | 51.4 | 41.7 | 44.5 |
| | 1890 | 39.0 | 37.4 | 33.1 | 42.3 | 49.6 | 37.7 | 41.3 |

¹ New Britain omitted from comparison; no figures separately reported in 1890.

² Decrease.

The town of Norwich contains a population of 24,637 but the city included therein has a population of only 17,251, and therefore only the totals for all industries in the city are shown.

Of the 6 cities having a population of 20,000 and over (shown by specified industries in Table 8), New Haven ranks first in value of its products, as it did in 1890. The total value for 1900 was \$40,762,015 or 11.6 per cent of the products of the state, as compared with 13.4 per cent in 1890. New Haven has long been the leading manufacturing center of the state. It made nearly one-half of the ammunition in the state in 1900. Under this classification is included a great part of its firearms manufacture, for many firearms are made by the factory producing the ammunition. Both values are large, but the value of the ammunition output is the larger. In reality New Haven leads the state in both firearms and ammunition. New Haven also has a large wholesale slaughtering and meat packing product. Hardware furnishes 5.4 per cent of the city's products; corsets, 4.6 per cent; foundry and machine shop products, 4.2 per cent; fancy and paper boxes, 2.1 per cent; and repair shops of the railroads of the state, which largely center here, 3.9 per cent. The carriage and wagon industry, which was extensive in years past, now constitutes only 3.4 per cent of the city's total output. Other industries of much importance in New Haven are, rubber boots and shoes, rubber and elastic goods, clocks, the manufacture of starch and of iron and steel.

Bridgeport's rank is second as in 1890, with products valued at \$37,883,721, or 10.7 per cent of the total for the state; its per cent in 1890 was 9. Selecting some of the industries, it appears that brass castings and brass finishing constituted 10.9 per cent of the city's products in 1900; corsets, 8.5 per cent; foundry and machine shop products,

6.4 per cent; rubber and elastic goods, 1.7 per cent; and hardware, 1.7 per cent.

Waterbury retains third place, with \$33,778,905, or 9.6 per cent of the products of the state; its per cent in 1890 was 7.1. This city is the great brass manufacturing center of the country. Its products of brassware constitute 24.2 per cent; brass castings and brass finishing, 15 per cent; foundry and machine shop products, 2.9 per cent; and buttons, 1.9 per cent of its total products. Waterbury makes 56.8 per cent of the stamped ware of the state. Other leading industries are lamps and reflectors; clocks; brass and copper, rolled; needles and pins; watches; plated and britannia ware; hardware; and hosiery and knit goods.

Hartford, the great insurance center of the country, has developed into a manufacturing city. It ranks fourth, with products of \$31,145,715, or 8.8 per cent of the total for the state; in 1890 its per cent was 6.9. Among its leading industries are the manufacture of bicycles, the products of which in 1900 amounted to 7.9 per cent of its total products; carriages and wagons, including automobiles, 6.2 per cent; and foundry and machine shop products, 11.9 per cent. The city has a large product in rubber and elastic goods, envelopes, horseshoe nails, plated and britannia ware, and machine screws.

Meriden remains fifth of these cities, with \$13,485,640, or 3.8 per cent of the value of the products of the state; its per cent in 1890 was 4.8. It returns the manufacture of 43.3 per cent of the plated and britannia ware of the state. This industry accounts for 30.6 per cent of the city's products; hardware, 12 per cent; cutlery and edge tools, 3 per cent; and foundry and machine shop products, 2.2 per cent. Gas and lamp fixtures, lamps and reflectors, window shades, musical instruments, pianos and materials,

woolen goods, and house furnishing goods are other important industries.

New Britain, the great hardware center, is sixth in rank, with \$12,260,782, or 3.5 per cent of the value of the products of the state. Hardware forms 47.8 per cent of the city's products; foundry and machine shop products, 5.5 per cent. A large proportion of the cutlery and edge tools, hosiery and knit goods, stamped ware, and saddlery hardware is made here.

These 6 cities are the centers of Connecticut's manufactures; their population aggregated 355,026, or 39.1 per cent of the population of the state in 1900, and the average number of employees in their manufacturing establishments was 84,073, or 47.6 per cent of the total number

in the state. Of the total wages paid these received \$41,851,725, or 50.6 per cent, and the value of their products amounted to \$169,316,778, or 48 per cent of the total for the state. They employed \$148,266,257, or 47.1 per cent of the capital invested, and had 3,846, or 42.1 per cent of the number of establishments.

In order to show the extent of the concentration of the manufactures, the totals for the 61 cities and towns withdrawn from the enumerators are given in Table 5. This table also places the totals for the cities and towns in comparison with the totals for the entire state and the state exclusive of these cities and towns, and shows their rank in products and in population.

TABLE 5.—URBAN MANUFACTURES.

| | Number of establishments. | Capital. | Proprietors and firm members. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | PRODUCTS. | | | POPULATION. | | |
|--|---------------------------|---------------|-------------------------------|-----------------|--------------|-------------------------|-------------------------|---------------|-------|--------------------|-------------|-------|--------------------|
| | | | | Average number. | Total wages. | | | Value. | Rank. | Per cent of total. | Total. | Rank. | Per cent of total. |
| Total for state | 9,128 | \$314,696,736 | 9,381 | 176,694 | \$82,767,725 | \$23,089,806 | \$185,641,219 | \$352,824,106 | ----- | 100.0 | 908,420 | ----- | 100.0 |
| Total for urban manufactures .. | 7,975 | 289,099,474 | 8,211 | 161,784 | 76,288,022 | 21,260,484 | 171,982,296 | 325,981,131 | ----- | 92.4 | 750,785 | ----- | 82.6 |
| Ansonia | 94 | 6,309,281 | 83 | 8,407 | 1,769,861 | 348,682 | 15,051,022 | 18,786,179 | 5 | 5.3 | 12,681 | 18 | 1.4 |
| Berlin | 30 | 1,915,065 | 25 | 996 | 500,830 | 70,972 | 1,242,414 | 2,222,134 | 27 | 0.6 | 3,448 | 47 | 0.4 |
| Bethel | 47 | 437,800 | 54 | 780 | 338,252 | 70,204 | 592,921 | 1,229,651 | 40 | 0.8 | 3,827 | 50 | 0.4 |
| Branford | 40 | 802,721 | 37 | 908 | 426,952 | 40,871 | 239,507 | 917,147 | 47 | 0.8 | 5,706 | 33 | 0.6 |
| Bridgeport | 882 | 33,066,890 | 839 | 19,291 | 9,123,790 | 2,564,392 | 19,133,236 | 37,888,721 | 2 | 10.7 | 70,996 | 8 | 7.8 |
| Bristol | 143 | 3,764,528 | 135 | 2,476 | 1,188,943 | 207,650 | 2,224,314 | 4,364,097 | 19 | 1.2 | 9,648 | 19 | 1.1 |
| Brooklyn | 17 | 1,404,043 | 18 | 725 | 226,824 | 38,895 | 851,198 | 756,235 | 52 | 0.2 | 2,358 | 60 | 0.3 |
| Danbury | 288 | 3,636,619 | 344 | 4,296 | 2,017,155 | 406,556 | 3,542,000 | 7,213,555 | 11 | 2.0 | 19,474 | 9 | 2.1 |
| Derby | 84 | 4,328,442 | 79 | 2,311 | 1,116,078 | 302,878 | 1,804,256 | 3,456,561 | 21 | 1.0 | 7,930 | 23 | 0.9 |
| East Haddam | 27 | 390,850 | 27 | 337 | 104,754 | 73,616 | 209,940 | 482,649 | 57 | 0.1 | 2,485 | 58 | 0.3 |
| East Hartford | 56 | 866,125 | 57 | 439 | 212,424 | 32,460 | 475,047 | 923,769 | 45 | 0.3 | 6,406 | 30 | 0.7 |
| East Windsor | 26 | 751,474 | 24 | 361 | 158,775 | 224,571 | 541,571 | 1,016,216 | 43 | 0.3 | 3,158 | 53 | 0.3 |
| Enfield | 40 | 4,022,477 | 41 | 1,459 | 579,853 | 100,058 | 1,139,636 | 2,090,609 | 30 | 0.6 | 6,699 | 28 | 0.7 |
| Fairfield | 42 | 221,548 | 47 | 130 | 71,727 | 49,276 | 319,911 | 538,225 | 55 | 0.2 | 4,489 | 38 | 0.5 |
| Farmington | 38 | 554,437 | 39 | 553 | 226,135 | 54,409 | 352,143 | 802,867 | 50 | 0.2 | 3,331 | 49 | 0.4 |
| Glastonbury | 42 | 1,388,950 | 41 | 662 | 302,944 | 215,514 | 698,970 | 1,523,464 | 37 | 0.4 | 4,260 | 40 | 0.5 |
| Greenwich | 74 | 1,453,496 | 76 | 915 | 408,556 | 91,999 | 764,776 | 1,541,938 | 36 | 0.4 | 12,172 | 15 | 1.3 |
| Griswold | 30 | 2,175,383 | 30 | 813 | 329,206 | 123,772 | 505,748 | 1,173,969 | 41 | 0.3 | 3,490 | 46 | 0.4 |
| Groton | 16 | 59,070 | 20 | 94 | 55,820 | 6,082 | 88,731 | 197,106 | 61 | 0.1 | 5,962 | 81 | 0.7 |
| Guilford | 41 | 247,715 | 47 | 132 | 89,546 | 7,561 | 119,038 | 253,400 | 60 | 0.1 | 2,785 | 57 | 0.3 |
| Hamden | 25 | 801,581 | 25 | 494 | 204,010 | 35,611 | 373,190 | 757,239 | 51 | 0.2 | 4,626 | 37 | 0.5 |
| Hartford | 888 | 30,500,047 | 950 | 13,363 | 7,603,899 | 3,375,585 | 14,103,167 | 31,145,715 | 4 | 3.8 | 79,850 | 2 | 8.8 |
| Huntington | 64 | 3,121,894 | 63 | 1,622 | 701,333 | 219,959 | 2,267,661 | 3,917,477 | 20 | 1.1 | 5,672 | 34 | 0.6 |
| Killingly | 74 | 2,174,445 | 70 | 1,263 | 441,033 | 131,734 | 811,679 | 1,705,997 | 33 | 0.5 | 6,835 | 27 | 0.8 |
| Manchester | 98 | 7,380,806 | 93 | 3,118 | 1,370,656 | 194,812 | 3,084,627 | 5,939,943 | 12 | 1.7 | 10,601 | 16 | 1.2 |
| Meriden | 260 | 16,699,004 | 262 | 7,531 | 3,702,240 | 1,085,142 | 5,861,612 | 13,485,640 | 6 | 3.8 | 24,296 | 7 | 2.7 |
| Middletown | 188 | 5,100,485 | 203 | 2,913 | 1,199,713 | 237,604 | 2,636,493 | 4,825,649 | 17 | 1.4 | 17,486 | 12 | 1.9 |
| Milford | 48 | 865,464 | 45 | 325 | 137,326 | 15,447 | 244,282 | 602,036 | 56 | 0.1 | 3,733 | 43 | 0.4 |
| Montville | 27 | 1,229,620 | 29 | 655 | 215,810 | 50,514 | 388,588 | 1,252,067 | 39 | 0.4 | 2,395 | 59 | 0.3 |
| Naugatuck | 76 | 6,673,684 | 67 | 3,297 | 1,665,944 | 323,834 | 6,152,981 | 9,126,199 | 9 | 2.6 | 10,541 | 17 | 1.2 |
| New Britain | 226 | 14,115,610 | 232 | 8,438 | 3,841,117 | 956,848 | 5,074,396 | 12,260,732 | 7 | 3.5 | 25,998 | 5 | 2.9 |
| New Hartford | 27 | 870,874 | 24 | 1,006 | 289,244 | 37,237 | 375,927 | 1,089,322 | 42 | 0.3 | 3,424 | 45 | 0.4 |
| New Haven | 1,236 | 30,463,066 | 1,269 | 20,536 | 10,016,571 | 3,181,004 | 18,493,593 | 40,762,015 | 1 | 11.6 | 108,027 | 1 | 11.9 |
| New London | 238 | 4,522,003 | 261 | 2,658 | 1,196,218 | 501,879 | 2,804,596 | 5,569,615 | 13 | 1.6 | 17,548 | 11 | 1.9 |
| New Milford | 58 | 733,294 | 67 | 526 | 253,231 | 62,530 | 412,697 | 907,907 | 48 | 0.3 | 4,304 | 36 | 0.5 |
| Newtown | 29 | 449,505 | 29 | 312 | 146,122 | 23,737 | 597,998 | 878,610 | 49 | 0.2 | 3,276 | 52 | 0.4 |
| Norwalk | 247 | 4,129,841 | 265 | 3,172 | 1,586,509 | 296,075 | 2,261,195 | 5,097,720 | 16 | 1.4 | 19,932 | 8 | 2.2 |
| Norwich | 273 | 8,566,437 | 287 | 4,411 | 1,983,600 | 619,288 | 4,321,078 | 8,388,348 | 10 | 2.4 | 24,637 | 6 | 2.7 |
| Orange | 52 | 1,017,066 | 52 | 581 | 252,425 | 58,522 | 1,542,471 | 2,168,435 | 29 | 0.6 | 6,995 | 26 | 0.8 |
| Plainfield | 51 | 2,713,962 | 55 | 1,205 | 424,147 | 42,665 | 980,813 | 1,641,078 | 35 | 0.5 | 4,821 | 35 | 0.5 |
| Plainville | 35 | 399,775 | 33 | 337 | 136,815 | 17,664 | 232,538 | 460,471 | 59 | 0.1 | 2,189 | 61 | 0.2 |
| Portland | 28 | 463,585 | 23 | 407 | 184,361 | 9,822 | 322,432 | 594,397 | 53 | 0.2 | 3,856 | 42 | 0.4 |
| Preston | 19 | 660,847 | 24 | 264 | 96,487 | 38,256 | 288,890 | 477,428 | 58 | 0.1 | 2,807 | 56 | 0.3 |
| Putnam | 93 | 2,019,635 | 91 | 1,631 | 537,087 | 122,376 | 1,097,186 | 1,928,803 | 32 | 0.5 | 7,548 | 25 | 0.8 |
| Seymour | 35 | 2,148,123 | 32 | 833 | 439,908 | 46,071 | 2,092,580 | 2,947,463 | 24 | 0.8 | 3,541 | 45 | 0.4 |
| Southington | 65 | 2,783,709 | 55 | 1,415 | 627,604 | 112,884 | 797,102 | 1,994,564 | 31 | 0.6 | 5,890 | 32 | 0.6 |
| Stafford | 75 | 2,061,474 | 78 | 1,061 | 399,875 | 105,006 | 1,847,143 | 2,177,535 | 23 | 0.6 | 4,237 | 39 | 0.5 |
| Stamford | 185 | 5,139,195 | 208 | 2,841 | 1,432,540 | 464,452 | 2,059,725 | 4,745,704 | 18 | 1.3 | 18,839 | 10 | 2.0 |
| Stonington | 118 | 3,733,679 | 130 | 1,907 | 902,740 | 344,636 | 1,312,285 | 3,231,423 | 23 | 0.9 | 8,510 | 21 | 0.9 |
| Thomaston | 23 | 1,778,944 | 21 | 1,164 | 545,479 | 95,997 | 1,450,133 | 2,374,481 | 26 | 0.7 | 3,300 | 51 | 0.4 |
| Thompson | 19 | 4,511,388 | 19 | 1,766 | 575,567 | 62,236 | 923,432 | 1,645,476 | 34 | 0.5 | 6,442 | 29 | 0.7 |
| Torrington | 108 | 6,544,511 | 112 | 3,522 | 1,704,291 | 408,102 | 6,637,684 | 10,017,121 | 8 | 2.8 | 12,453 | 14 | 1.4 |
| Vernon | 123 | 5,748,445 | 122 | 2,419 | 923,886 | 419,062 | 3,245,498 | 5,499,418 | 14 | 1.6 | 8,483 | 22 | 0.9 |
| Wallingford | 73 | 5,382,134 | 63 | 2,270 | 1,160,551 | 203,756 | 2,813,410 | 5,238,230 | 15 | 1.5 | 9,001 | 20 | 1.0 |
| Waterbury | 404 | 23,421,640 | 382 | 14,914 | 7,564,193 | 1,664,050 | 19,821,401 | 33,778,905 | 3 | 9.6 | 45,859 | 4 | 5.0 |
| Watertown | 37 | 536,524 | 39 | 501 | 166,340 | 15,801 | 629,538 | 936,256 | 44 | 0.3 | 3,100 | 54 | 0.3 |
| Westport | 35 | 343,948 | 31 | 225 | 101,788 | 32,129 | 284,493 | 556,668 | 54 | 0.2 | 4,017 | 41 | 0.4 |
| Winchester | 133 | 2,971,423 | 136 | 1,746 | 753,192 | 169,955 | 1,629,704 | 2,923,822 | 25 | 0.8 | 7,763 | 24 | 0.9 |
| Windham | 114 | 5,856,194 | 122 | 2,514 | 948,041 | 209,633 | 1,620,562 | 3,430,033 | 22 | 1.0 | 10,137 | 18 | 1.1 |
| Windsor | 40 | 1,016,549 | 39 | 482 | 227,127 | 35,448 | 608,427 | 921,829 | 46 | 0.3 | 3,614 | 44 | 0.4 |
| Windsor Locks | 37 | 2,117,159 | 35 | 831 | 351,402 | 87,293 | 631,735 | 1,511,768 | 38 | 0.4 | 3,002 | 55 | 0.3 |
| Total for state, exclusive of urban manufactures .. | 1,153 | 25,597,262 | 1,170 | 14,960 | 6,479,703 | 1,829,322 | 13,668,923 | 26,842,975 | ----- | 7.6 | 157,635 | ----- | 17.4 |
| Per cent of urban manufactures to total for state .. | 87.4 | 91.9 | 87.5 | 91.5 | 92.2 | 92.1 | 92.6 | 92.4 | ----- | ----- | ----- | ----- | ----- |

It appears from Table 5 that practically all of the manufacturing establishments of the state were located within the limits of the 61 cities and towns withdrawn from the enumerators and assigned to special agents. The urban manufactures constituted 87.4 per cent of the establishments of the state, used 91.9 per cent of the capital, employed 91.5 per cent of the wage-earners, paid 92.2 per cent of the wages, and produced 92.4 per cent of the products.

Of the withdrawn cities and towns, 24 having a population of less than 20,000 (see Table 9), show a product of over \$2,000,000 each, and may be considered in the order of their rank in this regard.

The city of Ansonia, first in rank, reports products valued at \$18,786,179, or 52.8 per cent more than those of the city of New Britain, the value of whose products is \$12,260,782, and 38.9 per cent greater than those of the city of Meriden, the value of whose products is \$13,485,640. It has fewer wage-earners than either of these cities, but its products consist largely of brass and copper, which greatly increases the total as compared with the miscellaneous products of the two other cities. Its proportion of the state's population is 1.4 per cent, but its proportion of the products is 5.3 per cent. Ansonia is located on the Naugatuck River just above its junction with the Housatonic. It is interesting to consider this city in connection with the city of Derby just below it, and the town of Huntington, which for manufacturing purposes is almost wholly the borough of Shelton and Derby's twin locality. Both Derby and Shelton are at the junction of the Housatonic and Naugatuck rivers and have ample water and railroad connections with important markets. This trio had a population of 26,183, or 2.9 per cent of that of the state, and they produced goods to the value of \$26,110,217, or 7.4 per cent of the manufactures of the state. This proportion is greater by 0.1 per cent than the manufactures of Meriden and New Britain, although these cities exceeded the Ansonia trio in proportion of population by 2.6 per cent.

Torrington ranks second, and that prominence also is largely due to its brass and copper industry, although it has other important manufactures. Torrington and Waterbury were early centers of the brass industry, which continued up the Naugatuck Valley, where plenty of water-power was to be found.

Naugatuck is third in rank. This town is on the Naugatuck River and is one of the principal seats of the rubber goods industry, New Haven and Bridgeport being the others.

Norwich, a thriving town in the eastern part of the state, is fourth. Its principal industry is that of cotton goods, but a variety of foundry and machine shop products are also among its manufactures. Near the city, at Taftville, are the great Ponemah mills, and not far above that Jewett City, where one of the early acquired Slater mills is located. The Baltic cotton mills are also near.

The town of Danbury, in Fairfield county, is fifth in rank. The principal industry is the making of fur hats, which began late in the eighteenth century and has engaged the attention of a growing population ever since.

Manchester, in Hartford county, not far from the city of Hartford, sixth in rank, is the great broad-silk center of the state, although sewing and other silk is made in quantities in New London, Bridgeport, and Vernon, and among the hills and valleys of Tolland and Windham counties.

The city of New London, in the southeastern part of the state, is seventh. It has large silk mills, a woolen mill, foundry and machine shops, and a large biscuit factory, and is engaged in other manufacturing.

Vernon, in Tolland county, in which town is the city of Rockville, is eighth. This town is the great center of woolen and worsted goods, and has been such for many years. Besides woolen and worsted goods for men's wear, sewing silk is made in large quantities, and envelopes and paper.

Wallingford, in New Haven county, within easy reach of New Haven, is ninth in rank. It has for its chief industry the making of plated and britannia ware.

The town of Norwalk, in Fairfield county, close to New York, and directly on the Sound, is the tenth. It claims the distinction of having two cities within its borders. It is one of the centers for the manufacture of fur hats, and also has a large business in foundry and machine shop products, boots and shoes, felt goods, woolen goods, and the manufacture of paper.

The town of Middletown, in Middlesex county, ranks eleventh. The principal industries are cotton goods, silk goods, woolens, rubber and elastic goods, and plated and britannia ware.

The town of Stamford, in Fairfield county, is twelfth. Its chief manufacture is of hardware, including locks and keys of a special pattern that are widely known. It also manufactures dye stuffs and extracts, shirts, and foundry and machine shop products.

The thirteenth in rank in this group is the town of Bristol, in Hartford county. The chief industries are clock making, of which Bristol was one of the early centers, hosiery and knit goods, bells, and foundry and machine shop products.

Huntington (Shelton) is fourteenth and Derby fifteenth. These localities have been treated in a group with the city of Ansonia.

Windham ranks sixteenth. In this town is located the city of Willimantic, one of the cotton-thread centers of the country. The leading industries embrace cotton goods, silk throwing and other forms of silk manufacture, and the manufacture of fine machinery.

The town of Stonington, in New London county, adjoining the Rhode Island boundary and thus receiving some of the surplus of that state's capital and industries, is seventeenth in rank. Its chief industries are the manufacture of cotton goods, silk goods, woolen and worsted goods, printing presses, fertilizers, and shipbuilding, for which it has special advantages.

Seymour, in the county of New Haven, ranks eighteenth. Among several flourishing industries those of greatest relative importance are the manufacture of worsted goods and of edge tools.

Winchester, in which is the borough of Winsted, is situated in Litchfield county and ranks nineteenth. Clocks are its chief product. It is known as one of the early centers in this manufacture, which has made Connecticut famous the world over, and still contributes very largely to the total output. Hardware of many kinds, and undertakers' plated ware are made in large quantities. Hosiery and knit goods and silk goods are also produced.

Thomaston, in Litchfield county, near Waterbury, ranks twentieth. This is one of the early and present centers for the manufacture of clocks, brassware, and cutlery and edge tools.

Berlin, in Hartford county, ranks twenty-first. The principal products are iron and steel frames for buildings and bridges, and brick and tile.

The town of Stafford, in Tolland county, is twenty-second in rank and is a woolen center.

Orange, in New Haven county, adjoining New Haven, ranks twenty-third. Slaughtering and meat packing, pianos, buckles, and cement pipe are its chief industries.

Enfield stands twenty-fourth. In this important town of Hartford county are situated Thompsonville with its large carpet works, and Hazardville with its gunpowder factories.

The statistics of the 8 counties in Connecticut are shown in Table 6. Litchfield county leads in the per cent of increase of total products, or 78.2 per cent; Hartford is second, with 59.3 per cent; New Haven, third, with 55.4 per cent; Fairfield, fourth, with 37 per cent; New London, fifth, with 25.4 per cent; Middlesex, sixth, with 8.5 per cent. Tolland shows a decrease of 15.7 per cent and Windham a decrease of 14.5 per cent. These decreases are due largely to the falling off in the production and value of textiles, which have centered largely in these counties. Some of the factories in these industries have been removed or abandoned; small concerns in other industries have been closed. The tendency of small industries in these counties is to seek cities, or localities elsewhere in the state, from which the markets can be more easily reached.

Table 6 shows the totals of the state by counties.

Table 7 shows the totals of the state by specified industries.

Table 8 shows the totals for the cities of Bridgeport, Hartford, Meriden, New Britain, New Haven, and Waterbury by specified industries.

Table 9 shows the totals for all industries in the cities and towns withdrawn from the enumerators, exclusive of those shown in Table 8.

TABLE 6.—MANUFACTURES

| COUNTIES AND MANUFACTURING AND MECHANICAL INDUSTRIES. | | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|---|-----------------|---------------------------|---------------|--------------|--------------|-----------------------------------|--------------------|-------------------------------|----------------------------------|--------------|---|--------------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and implements. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average number. | Wages. |
| 1 | The State..... | 9,128 | \$314,696,736 | \$19,208,863 | \$47,663,187 | \$80,177,480 | \$167,647,256 | 9,381 | 9,981 | \$12,286,050 | 176,694 | \$82,767,725 |
| 2 | Fairfield..... | 1,997 | 54,414,625 | 3,282,699 | 6,825,993 | 14,494,316 | 29,811,617 | 2,181 | 2,111 | 2,587,507 | 35,834 | 16,829,931 |
| 3 | Hartford..... | 1,946 | 76,954,626 | 4,291,516 | 12,487,730 | 19,079,351 | 41,096,029 | 2,008 | 2,538 | 3,142,101 | 37,632 | 18,682,448 |
| 4 | Litchfield..... | 638 | 16,589,409 | 863,536 | 2,476,843 | 3,336,410 | 9,912,620 | 654 | 569 | 673,794 | 10,209 | 4,485,665 |
| 5 | Middlesex..... | 376 | 9,867,270 | 557,326 | 1,525,278 | 2,100,547 | 5,184,119 | 833 | 304 | 329,559 | 5,492 | 2,397,303 |
| 6 | New Haven..... | 2,575 | 100,301,087 | 7,239,194 | 13,182,169 | 24,111,607 | 55,768,117 | 2,555 | 3,457 | 4,281,500 | 58,436 | 28,959,256 |
| 7 | New London..... | 847 | 27,668,078 | 1,679,950 | 5,195,618 | 7,698,288 | 13,094,222 | 900 | 556 | 712,869 | 14,525 | 6,227,480 |
| 8 | Tolland..... | 293 | 9,735,955 | 510,739 | 1,810,292 | 1,907,498 | 6,007,426 | 290 | 177 | 219,747 | 4,735 | 1,760,587 |
| 9 | Windham..... | 456 | 19,665,686 | 783,903 | 4,659,264 | 7,449,413 | 6,773,106 | 460 | 269 | 338,973 | 9,831 | 3,425,055 |

TABLE 7.—MANUFACTURES BY

| | | | | | | | | | | | |
|--|-------|---------------|--------------|--------------|--------------|---------------|-------|-------|--------------|---------|--------------|
| 1 All industries..... | 9,128 | \$314,696,736 | \$19,208,863 | \$47,663,187 | \$80,177,480 | \$167,647,256 | 9,381 | 9,981 | \$12,286,050 | 176,694 | \$82,767,725 |
| 2 Agricultural implements..... | 5 | 348,221 | 37,000 | 106,850 | 42,275 | 162,096 | 1 | 19 | 13,830 | 154 | 62,111 |
| 3 Ammunition..... | 5 | 4,780,388 | 174,414 | 718,497 | 1,762,800 | 2,124,677 | 9 | 181 | 268,803 | 4,134 | 2,193,270 |
| 4 Awnings, tents, and sails..... | 26 | 60,530 | 200 | 1,800 | 8,190 | 50,340 | 35 | 3 | 2,094 | 71 | 39,090 |
| 5 Bags, paper..... | 3 | 538,952 | 106,345 | 107,046 | 213,741 | 106,820 | 2 | 8 | 12,285 | 108 | 30,625 |
| 6 Belts..... | 7 | 703,571 | 33,000 | 115,351 | 166,069 | 330,151 | 4 | 48 | 45,151 | 518 | 235,248 |
| 7 Belting and hose, leather..... | 4 | 1,620,983 | 25,000 | 65,000 | 98,500 | 1,432,483 | 2 | 47 | 77,088 | 178 | 96,581 |
| 8 Bicycle and tricycle repairing..... | 197 | 214,830 | 12,537 | 14,838 | 88,467 | 98,993 | 233 | 8 | 4,842 | 147 | 73,058 |
| 9 Bicycles and tricycles..... | 24 | 4,215,399 | 241,675 | 832,071 | 1,487,557 | 1,604,296 | 12 | 268 | 251,091 | 2,189 | 1,160,736 |
| 10 Billiard tables and materials..... | 3 | 27,888 | | 415 | 27,473 | 3 | 3 | 2 | 1,400 | 8 | 5,688 |
| 11 Blacksmithing and wheelwrighting..... | 795 | 1,028,087 | 213,245 | 266,509 | 186,184 | 362,149 | 846 | 4 | 2,550 | 765 | 442,531 |
| 12 Bookbinding and blank book making..... | 13 | 45,128 | 1,000 | 2,000 | 20,058 | 22,070 | 12 | 7 | 6,511 | 58 | 25,834 |
| 13 Boots and shoes, custom work and repairing..... | 594 | 153,156 | 18,405 | 23,243 | 50,027 | 63,481 | 597 | | | 157 | 73,124 |
| 14 Boots and shoes, factory product..... | 15 | 789,618 | 12,700 | 17,900 | 117,172 | 641,846 | 28 | 40 | 38,405 | 719 | 297,824 |
| 15 Boots and shoes, rubber..... | 5 | 9,580,718 | 290,400 | 856,513 | 1,209,401 | 7,174,304 | 107 | 107 | 150,896 | 4,217 | 1,980,023 |
| 16 Bottling..... | 141 | 813,058 | 43,160 | 48,775 | 70,833 | 150,240 | 155 | 10 | 7,628 | 170 | 81,819 |
| 17 Boxes, cigar..... | 4 | 9,671 | 200 | 1,000 | 4,300 | 4,171 | 5 | 1 | 800 | 25 | 7,852 |
| 18 Boxes, fancy and paper..... | 34 | 1,422,846 | 50,850 | 111,156 | 575,950 | 684,890 | 16 | 92 | 100,112 | 1,632 | 552,575 |
| 19 Boxes, wooden packing..... | 12 | 75,439 | 4,080 | 14,675 | 18,899 | 42,785 | 13 | 4 | 2,040 | 86 | 41,715 |
| 20 Brass and copper, rolled..... | 11 | 11,900,134 | 781,489 | 2,123,964 | 2,618,401 | 6,525,280 | 2 | 277 | 882,868 | 5,308 | 2,858,013 |
| 21 Brass castings and brass finishing..... | 26 | 7,164,071 | 852,287 | 857,666 | 1,088,562 | 4,270,556 | 20 | 169 | 299,768 | 4,221 | 2,221,333 |
| 22 Brassware..... | 21 | 6,210,657 | 698,442 | 832,690 | 1,665,230 | 2,964,295 | 11 | 146 | 215,993 | 3,123 | 1,619,609 |
| 23 Bread and other bakery products..... | 309 | 2,115,300 | 291,600 | 466,395 | 596,815 | 763,396 | 332 | 205 | 133,026 | 1,612 | 861,258 |
| 24 Brick and tile..... | 36 | 1,164,776 | 825,236 | 326,871 | 201,022 | 311,587 | 39 | 50 | 46,155 | 889 | 357,752 |
| 25 Brooms and brushes..... | 20 | 65,087 | 8,330 | 8,400 | 11,062 | 42,295 | 23 | 2 | 2,100 | 90 | 34,314 |
| 26 Buttons..... | 11 | 552,173 | 46,400 | 96,000 | 164,728 | 225,050 | 10 | 24 | 30,812 | 800 | 305,687 |
| 27 Carpentering..... | 547 | 3,002,809 | 317,635 | 406,045 | 364,311 | 1,914,818 | 620 | 115 | 107,223 | 4,439 | 2,744,561 |
| 28 Carpets, rug..... | 6 | 11,900 | 1,500 | 4,100 | 2,800 | 3,400 | 6 | | | 16 | 6,640 |
| 29 Carriage and wagon materials..... | 21 | 801,792 | 57,475 | 115,213 | 201,329 | 427,775 | 17 | 55 | 70,486 | 355 | 190,471 |
| 30 Carriages and wagons..... | 117 | 5,019,516 | 357,694 | 755,688 | 601,652 | 3,295,882 | 137 | 137 | 158,381 | 2,192 | 1,298,096 |
| 31 Cars and general shop construction and repairs by steam railroad companies..... | 9 | 1,639,134 | 389,500 | 246,950 | 426,412 | 577,272 | 100 | 100 | 78,392 | 1,557 | 943,503 |
| 32 Cheese, butter, and condensed milk, factory product..... | 71 | 274,733 | 18,238 | 91,513 | 76,572 | 88,360 | 49 | 47 | 24,402 | 166 | 84,863 |
| 33 Chemicals..... | 3 | 311,399 | 8,850 | 21,000 | 146,849 | 134,700 | | 12 | 9,068 | 45 | 31,716 |
| 34 Cleansing and polishing preparations..... | 8 | 58,598 | 2,100 | 15,500 | 8,595 | 32,403 | 6 | 10 | 19,200 | 44 | 15,745 |
| 35 Clocks..... | 10 | 5,065,682 | 270,578 | 683,020 | 1,031,617 | 3,080,467 | 123 | 123 | 195,978 | 3,929 | 1,907,558 |
| 36 Clothing, men's, custom work and repairing..... | 431 | 685,159 | 20,950 | 17,640 | 59,587 | 536,982 | 465 | 27 | 21,482 | 886 | 489,210 |
| 37 Clothing, men's, factory product..... | 12 | 158,274 | 1,300 | 18,500 | 5,220 | 133,254 | 13 | 1 | 500 | 137 | 52,322 |
| 38 Clothing, women's, dressmaking..... | 389 | 208,966 | 18,825 | 35,775 | 40,791 | 113,575 | 425 | 13 | 8,555 | 874 | 283,985 |
| 39 Clothing, women's, factory product..... | 14 | 194,200 | 15,000 | 27,500 | 23,650 | 128,050 | 16 | 13 | 12,216 | 494 | 182,437 |
| 40 Coffee and spice, roasting and grinding..... | 6 | 69,765 | 1,250 | 2,075 | 10,100 | 56,340 | 6 | 3 | 2,699 | 8 | 4,948 |
| 41 Coffins, burial cases, and undertakers' goods..... | 4 | 298,373 | 37,655 | 81,502 | 42,166 | 137,050 | 3 | 22 | 21,500 | 148 | 61,406 |
| 42 Confectionery..... | 103 | 455,135 | 33,425 | 78,691 | 133,064 | 214,958 | 119 | 67 | 33,658 | 235 | 128,954 |
| 43 Cooperage..... | 4 | 29,549 | 8,500 | 5,400 | 6,149 | 9,500 | 4 | | | 18 | 9,196 |
| 44 Cordage and twine..... | 7 | 276,962 | 7,500 | 22,800 | 78,400 | 168,262 | 6 | 4 | 2,600 | 245 | 62,812 |
| 45 Cork, cutting..... | 3 | 88,229 | 2,000 | 5,000 | 31,219 | 50,010 | 1 | 7 | 9,500 | 83 | 30,622 |
| 46 Corsets..... | 24 | 2,978,598 | 112,350 | 436,793 | 350,396 | 2,079,059 | 32 | 337 | 442,562 | 5,755 | 1,796,198 |
| 47 Cotton goods..... | 55 | 27,351,588 | 832,202 | 6,778,674 | 10,307,775 | 9,432,937 | 19 | 281 | 395,024 | 13,194 | 4,893,502 |
| 48 Cutlery and edge tools..... | 44 | 5,855,752 | 423,432 | 935,571 | 967,252 | 3,529,497 | 21 | 218 | 277,805 | 4,077 | 2,087,198 |
| 49 Druggists' preparations, not including prescriptions..... | 22 | 143,855 | 11,950 | 28,800 | 13,270 | 89,835 | 23 | 18 | 40,716 | 101 | 47,180 |
| 50 Dyeing and cleaning..... | 29 | 60,594 | 11,150 | 23,275 | 15,160 | 11,009 | 31 | 6 | 3,260 | 61 | 25,505 |
| 51 Dyeing and finishing textiles..... | 5 | 3,243,744 | 482,100 | 1,004,388 | 929,262 | 827,994 | | 39 | 100,884 | 1,300 | 578,756 |
| 52 Electrical apparatus and supplies..... | 17 | 2,513,812 | 69,400 | 174,949 | 422,696 | 1,846,767 | 8 | 142 | 170,490 | 961 | 405,604 |
| 53 Electrical construction and repairs..... | 25 | 77,562 | 2,050 | 5,050 | 9,505 | 60,957 | 30 | 12 | 7,430 | 88 | 51,868 |
| 54 Electroplating..... | 12 | 23,663 | 100 | 1,200 | 12,517 | 9,846 | 15 | 1 | 900 | 35 | 16,773 |
| 55 Engraving and die sinking..... | 14 | 26,000 | 2,050 | 1,100 | 17,250 | 5,600 | 15 | | | 19 | 10,054 |
| 56 Engraving, steel, including plate printing..... | 4 | 4,000 | | | 1,800 | 2,200 | 4 | | | 6 | 2,984 |

BY COUNTIES: 1900.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|--------------|------------------------------|--------------|------------------------------|-----------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|---|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 130,610 | \$69,227,497 | 42,605 | \$12,873,190 | 3,479 | \$667,038 | \$23,089,806 | \$1,621,578 | \$1,884,047 | \$16,580,497 | \$3,553,689 | \$185,641,219 | \$180,550,473 | \$5,090,746 | \$352,824,106 | 1 |
| 25,538 | 18,834,569 | 9,829 | 2,898,512 | 467 | 96,850 | 4,440,709 | 372,316 | 178,959 | 8,442,653 | 446,781 | 33,343,386 | 32,400,492 | 942,894 | 67,279,450 | 2 |
| 30,024 | 16,502,556 | 7,129 | 2,077,192 | 479 | 102,700 | 6,116,699 | 348,153 | 327,787 | 3,791,080 | 1,649,779 | 33,839,667 | 32,723,831 | 1,110,836 | 72,224,816 | 3 |
| 7,785 | 8,815,186 | 2,114 | 611,210 | 310 | 59,269 | 1,018,283 | 114,857 | 72,751 | 725,780 | 104,895 | 13,010,043 | 12,006,545 | 403,498 | 21,459,964 | 4 |
| 4,028 | 1,985,217 | 1,283 | 379,209 | 181 | 82,877 | 490,203 | 25,608 | 58,744 | 346,889 | 58,962 | 4,825,744 | 4,690,120 | 135,624 | 9,292,586 | 5 |
| 44,178 | 24,478,079 | 13,407 | 4,305,578 | 851 | 174,999 | 7,446,577 | 541,808 | 502,740 | 5,493,528 | 908,501 | 75,301,960 | 73,538,478 | 1,763,482 | 134,069,985 | 6 |
| 10,500 | 5,101,789 | 3,624 | 1,057,771 | 401 | 67,920 | 2,315,547 | 181,287 | 104,556 | 1,792,919 | 286,785 | 13,318,315 | 12,914,678 | 403,637 | 26,584,839 | 7 |
| 2,900 | 1,248,058 | 1,648 | 480,268 | 187 | 32,261 | 601,811 | 24,561 | 46,978 | 471,309 | 58,933 | 5,810,909 | 5,682,443 | 128,466 | 9,792,609 | 8 |
| 5,657 | 2,261,443 | 3,571 | 1,063,450 | 603 | 100,162 | 659,977 | 62,953 | 91,582 | 466,389 | 89,053 | 6,191,195 | 5,988,886 | 202,309 | 12,166,297 | 9 |

SPECIFIED INDUSTRIES: 1900.

| | | | | | | | | | | | | | | | |
|---------|--------------|--------|--------------|-------|-----------|--------------|-------------|-------------|--------------|-------------|---------------|---------------|-------------|---------------|----|
| 130,610 | \$69,227,497 | 42,605 | \$12,873,190 | 3,479 | \$667,038 | \$23,089,806 | \$1,621,573 | \$1,884,047 | \$16,530,497 | \$3,553,689 | \$185,641,219 | \$180,550,473 | \$5,090,746 | \$352,824,106 | 1 |
| 154 | 62,111 | | | | | 9,961 | 460 | 2,519 | 6,982 | | 76,132 | 67,640 | 8,492 | 194,746 | 2 |
| 2,614 | 1,727,124 | 1,509 | 463,205 | 11 | 2,941 | 919,039 | 240 | 32,658 | 886,141 | | 5,200,307 | 5,105,876 | 94,431 | 9,828,712 | 3 |
| 48 | 25,713 | 23 | 7,377 | | | 5,996 | 4,171 | 132 | 1,693 | | 55,093 | 54,262 | 831 | 130,784 | 4 |
| 31 | 14,813 | 77 | 15,812 | | | 12,687 | 1,600 | 749 | 10,388 | | 174,501 | 172,571 | 1,930 | 353,361 | 5 |
| 462 | 216,385 | 64 | 18,852 | 2 | 511 | 62,128 | 1,250 | 3,899 | 56,979 | | 417,959 | 403,793 | 12,166 | 860,846 | 6 |
| 166 | 93,170 | 7 | 1,976 | 5 | | 20,053 | 1,986 | 2,756 | 15,311 | | 903,229 | 901,766 | 4,463 | 1,224,182 | 7 |
| 143 | 72,325 | 1 | 150 | 3 | 1,485 | 29,443 | 20,515 | 677 | 7,606 | 645 | 147,092 | 141,972 | 5,120 | 386,557 | 8 |
| 1,995 | 1,107,485 | 104 | 34,662 | 40 | 8,589 | 323,629 | 26,653 | 15,656 | 277,866 | 3,454 | 1,720,249 | 1,684,834 | 35,415 | 3,672,225 | 9 |
| 7 | 5,328 | 1 | 360 | | | 1,461 | 1,250 | 71 | 140 | | 48,031 | 47,865 | 166 | 80,817 | 10 |
| 763 | 442,231 | | | 2 | 300 | 72,634 | 51,034 | 5,947 | 14,884 | 769 | 476,396 | 450,440 | 25,956 | 1,691,878 | 11 |
| 33 | 18,388 | 22 | 7,044 | 3 | | 4,204 | 2,526 | 285 | 1,318 | 75 | 36,527 | 36,187 | 840 | 94,517 | 12 |
| 156 | 72,969 | | | 1 | 165 | 56,905 | 50,877 | 698 | 5,208 | 122 | 181,519 | 177,800 | 6,719 | 606,419 | 13 |
| 456 | 221,029 | 254 | 74,982 | 9 | 1,265 | 117,372 | 7,691 | 1,979 | 72,702 | 85,000 | 986,555 | 979,892 | 6,663 | 1,517,361 | 14 |
| 2,461 | 1,326,809 | 1,739 | 653,826 | 17 | 5,388 | 405,852 | 11,000 | 40,417 | 354,435 | | 7,176,701 | 7,105,078 | 71,628 | 11,999,038 | 15 |
| 164 | 80,227 | 5 | 1,442 | 1 | 150 | 36,688 | 13,985 | 1,896 | 20,807 | | 459,056 | 456,867 | 2,188 | 774,983 | 16 |
| 9 | 3,100 | 16 | 4,752 | | | 1,296 | 1,010 | 80 | 256 | | 18,137 | 17,753 | 384 | 84,887 | 17 |
| 552 | 265,508 | 1,028 | 278,344 | 52 | 8,724 | 68,306 | 29,894 | 4,776 | 33,636 | | 921,522 | 907,914 | 18,008 | 2,057,449 | 18 |
| 73 | 37,131 | 13 | 4,584 | | | 9,029 | 3,320 | 574 | 4,363 | 772 | 101,586 | 101,773 | 2,813 | 180,191 | 19 |
| 4,980 | 2,760,292 | 312 | 94,125 | 16 | 3,596 | 610,104 | 650 | 60,816 | 548,698 | | 24,133,559 | 23,618,538 | 515,021 | 29,787,282 | 20 |
| 3,492 | 1,968,631 | 686 | 243,482 | 43 | 9,220 | 307,656 | 4,488 | 30,809 | 326,558 | 5,801 | 5,770,875 | 5,592,841 | 178,534 | 9,470,427 | 21 |
| 2,319 | 1,368,127 | 699 | 238,854 | 105 | 17,628 | 355,208 | 8,394 | 26,228 | 319,373 | 1,213 | 6,281,536 | 6,127,384 | 154,152 | 9,269,159 | 22 |
| 1,383 | 797,971 | 207 | 58,163 | 22 | 5,124 | 326,397 | 67,389 | 10,149 | 248,909 | | 2,914,802 | 2,837,542 | 77,260 | 5,208,694 | 23 |
| 878 | 355,053 | 7 | 1,970 | 4 | 729 | 44,697 | 4,130 | 5,112 | 35,155 | | 133,809 | 121,807 | 111,912 | 725,359 | 24 |
| 67 | 28,107 | 28 | 6,207 | | | 3,031 | 1,495 | 295 | 1,241 | | 64,119 | 63,131 | 988 | 138,899 | 25 |
| 805 | 169,768 | 460 | 182,018 | 35 | 3,906 | 117,643 | 3,979 | 3,681 | 87,751 | 72,282 | 480,187 | 418,827 | 11,360 | 1,087,285 | 26 |
| 4,436 | 2,743,621 | 3 | 880 | | | 1,896,826 | 38,275 | 12,918 | 90,394 | 1,755,299 | 4,988,943 | 4,965,783 | 23,160 | 11,390,681 | 27 |
| 14 | 5,740 | 2 | 900 | | | 886 | 630 | 46 | 210 | | 2,448 | 2,190 | 258 | 13,150 | 28 |
| 351 | 189,444 | 4 | 1,027 | | | 64,492 | 7,610 | 4,206 | 41,469 | 11,117 | 412,708 | 402,236 | 10,412 | 863,010 | 29 |
| 2,184 | 1,294,443 | 7 | 3,445 | 1 | 208 | 161,571 | 22,728 | 18,889 | 117,547 | 2,407 | 1,532,351 | 1,480,907 | 51,384 | 4,208,723 | 30 |
| 1,551 | 941,296 | 6 | 2,207 | | | 41,879 | | | 41,879 | | 1,366,281 | 1,352,111 | 14,170 | 2,430,056 | 31 |
| 161 | 83,793 | 4 | 1,020 | 1 | 50 | 21,266 | 2,508 | 1,376 | 14,320 | 8,062 | 881,614 | 872,872 | 8,742 | 1,093,703 | 32 |
| 45 | 81,716 | | | | | 8,877 | 4,000 | 608 | 4,269 | | 105,105 | 95,881 | 9,224 | 290,320 | 33 |
| 32 | 12,003 | 12 | 3,742 | | | 9,875 | 639 | 150 | 9,086 | | 35,702 | 35,148 | 559 | 103,437 | 34 |
| 2,969 | 1,561,181 | 838 | 318,278 | 122 | 28,089 | 240,804 | 650 | 22,791 | 217,863 | | 1,825,425 | 1,791,915 | 33,510 | 4,545,437 | 35 |
| 754 | 451,724 | 117 | 35,278 | 15 | 2,208 | 262,089 | 87,222 | 2,596 | 26,735 | 145,536 | 838,397 | 827,208 | 11,194 | 2,144,401 | 36 |
| 68 | 35,866 | 69 | 16,956 | | | 5,732 | 2,227 | 285 | 3,145 | 125 | 157,227 | 156,844 | 883 | 279,850 | 37 |
| 76 | 47,768 | 793 | 235,632 | 5 | 535 | 56,378 | 44,360 | 1,080 | 6,678 | 4,260 | 406,908 | 399,404 | 7,504 | 1,071,418 | 38 |
| 58 | 35,410 | 436 | 146,927 | | | 12,717 | 4,600 | 819 | 7,218 | | 225,498 | 223,511 | 1,987 | 614,855 | 39 |
| 7 | 4,638 | 1 | 312 | | | 6,885 | 1,370 | 392 | 5,123 | | 125,818 | 123,803 | 2,015 | 169,974 | 40 |
| 106 | 50,506 | 42 | 10,900 | | | 3,798 | 300 | 1,378 | 2,120 | | 132,821 | 130,975 | 1,846 | 274,618 | 41 |
| 207 | 107,841 | 74 | 20,707 | 4 | 406 | 70,835 | 28,650 | 2,497 | 39,688 | | 458,700 | 443,458 | 10,242 | 942,480 | 42 |
| 18 | 9,196 | | | | | 886 | 260 | 283 | 343 | | 17,361 | 16,969 | 392 | 32,048 | 43 |
| 132 | 39,076 | 110 | 23,196 | 3 | 540 | 6,023 | 387 | 1,362 | 4,274 | | 178,895 | 176,699 | 2,196 | 284,713 | 44 |
| 63 | 28,446 | 17 | 3,670 | 3 | 406 | 12,471 | 4,050 | 473 | 7,948 | | 61,043 | 57,507 | 3,536 | 131,011 | 45 |
| 603 | 326,627 | 5,083 | 1,432,321 | 119 | 37,250 | 268,492 | 9,183 | 17,796 | 241,513 | | 3,179,304 | 3,144,738 | 34,506 | 6,846,964 | 46 |
| 6,918 | 2,649,147 | 5,344 | 1,591,688 | 932 | 152,667 | 1,288,506 | 14,558 | 127,917 | 1,092,427 | 53,604 | 7,535,926 | 7,293,305 | 242,621 | 15,489,442 | 47 |
| 3,696 | 1,972,032 | 323 | 90,466 | 58 | 24,700 | 335,952 | 5,109 | 33,388 | 295,286 | 2,178 | 1,904,968 | 1,825,961 | 79,007 | 5,362,620 | 48 |
| 51 | 27,086 | 50 | 20,094 | | | 91,640 | 1,103 | 723 | 77,764 | 12,050 | 110,384 | 106,147 | 4,237 | 355,455 | 49 |
| 35 | 17,996 | 25 | 7,365 | 1 | 144 | 8,028 | 6,052 | 232 | 1,744 | | 14,060 | 11,700 | 2,360 | 76,557 | 50 |
| 1,015 | 507,632 | 238 | 61,689 | 47 | 9,435 | 216,075 | 16,084 | 192,063 | 7,928 | | 907,377 | 785,642 | 121,735 | 2,269,967 | 51 |
| 690 | 336,112 | 270 | 69,307 | 1 | 185 | 222,400 | 7,240 | 4,797 | 210,063 | 800 | 1,973,715 | 1,954,315 | 19,400 | 3,167,842 | 52 |
| 88 | 51,868 | | | | | 7,327 | 3,464 | 590 | 3,283 | | 168,459 | 168,032 | 427 | 288,522 | 53 |
| 35 | 16,774 | | | | | 3,410 | 2,799 | 107 | 504 | | 8,554 | 6,445 | 1,709 | 47,302 | 54 |
| 18 | 9,954 | | | | | 2,950 | 1,489 | 75 | 816 | | 2,622 | 1,993 | 629 | 88,615 | 55 |
| 4 | 2,320 | 2 | 664 | | | 1,124 | 840 | 6 | 228 | | 2,570 | 2,465 | 105 | 13,000 | 56 |

TABLE 7.—MANUFACTURES BY

| MANUFACTURING AND MECHANICAL INDUSTRIES. | | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|--|--|---------------------------|------------|-----------|------------|------------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and imple-ments. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average number. | Wages. |
| 57 | Engraving, wood | 8 | \$8,550 | | | \$2,675 | \$5,875 | 10 | 1 | \$860 | 13 | \$11,575 |
| 58 | Envelopes | 4 | 1,570,369 | \$112,800 | \$809,724 | 653,300 | 495,045 | | 44 | 48,071 | 589 | 260,300 |
| 59 | Fancy articles, not elsewhere specified | 6 | 199,429 | 2,000 | 13,640 | 28,316 | 155,473 | 5 | 19 | 28,315 | 129 | 40,811 |
| 60 | Fertilizers | 9 | 382,513 | 30,000 | 48,669 | 66,766 | 237,083 | 8 | 80 | 28,063 | 133 | 53,708 |
| 61 | Files | 4 | 18,928 | 1,250 | 2,400 | 8,900 | 11,378 | 5 | 2 | 1,200 | 24 | 11,140 |
| 62 | Firearms | 8 | 2,325,140 | 134,000 | 483,000 | 898,602 | 1,309,538 | 4 | 51 | 73,575 | 1,144 | 725,938 |
| 63 | Flavoring extracts | 9 | 87,786 | 100 | 150 | 1,480 | 36,056 | 10 | 8 | 6,100 | 18 | 6,750 |
| 64 | Flouring and grist mill products | 208 | 1,565,478 | 204,677 | 434,477 | 800,394 | 625,930 | 243 | 42 | 26,621 | 233 | 99,309 |
| 65 | Food preparations | 7 | 111,919 | 45,810 | 20,650 | 14,278 | 31,181 | 3 | 11 | 7,144 | 50 | 19,875 |
| 66 | Foundry and machine shop products | 260 | 23,020,068 | 1,501,540 | 3,861,488 | 5,761,976 | 11,895,064 | 198 | 786 | 1,101,882 | 12,646 | 6,948,309 |
| 67 | Fruits and vegetables, canning and preserving. | 6 | 91,468 | 2,450 | 21,232 | 29,496 | 38,285 | 2 | 7 | 3,260 | 100 | 24,967 |
| 68 | Fur goods | 19 | 94,393 | 4,800 | 3,600 | 6,121 | 79,872 | 21 | 6 | 2,820 | 69 | 31,572 |
| 69 | Fur hats | 58 | 3,197,551 | 113,788 | 823,888 | 714,116 | 2,046,259 | 85 | 173 | 172,780 | 4,863 | 2,414,561 |
| 70 | Furnishing goods, men's | 3 | 25,458 | 800 | 4,000 | 6,109 | 14,549 | 2 | 5 | 2,412 | 61 | 17,216 |
| 71 | Furniture, cabinetmaking, repairing, and upholstering. | 123 | 222,334 | 24,350 | 17,650 | 55,643 | 124,691 | 140 | 15 | 10,787 | 261 | 136,435 |
| 72 | Furniture, factory product | 9 | 277,274 | 12,000 | 30,900 | 60,367 | 174,007 | 9 | 24 | 20,162 | 208 | 100,715 |
| 73 | Gas and lamp fixtures | 4 | 1,350,405 | 56,100 | 150,228 | 208,914 | 935,163 | 2 | 54 | 73,230 | 859 | 413,626 |
| 74 | Gas, illuminating and heating | 21 | 7,905,946 | 619,043 | 649,105 | 5,551,596 | 1,086,202 | 184 | 134 | 117,238 | 854 | 231,102 |
| 75 | Glass, cutting, staining, and ornamenting. | 8 | 100,483 | 1,000 | 2,000 | 17,600 | 79,888 | 10 | 9 | 8,334 | 122 | 56,127 |
| 76 | Grease and tallow | 13 | 97,696 | 10,725 | 30,500 | 29,350 | 27,121 | 14 | 4 | 4,600 | 50 | 24,896 |
| 77 | Hairwork | 11 | 5,080 | 500 | 800 | 1,055 | 3,225 | 11 | 1 | 150 | 13 | 3,953 |
| 78 | Hand stamps | 7 | 19,825 | | | 5,900 | 13,925 | 8 | 2 | 840 | 5 | 2,000 |
| 79 | Hardware | 63 | 21,694,351 | 1,375,903 | 3,166,560 | 5,886,115 | 11,765,770 | 39 | 827 | 988,608 | 12,056 | 5,664,046 |
| 80 | Hardware, saddlery | 8 | 755,083 | 68,234 | 137,486 | 149,738 | 409,565 | 6 | 42 | 65,630 | 724 | 312,804 |
| 81 | Hat and cap materials | 14 | 441,553 | 50,200 | 67,604 | 119,302 | 204,447 | 21 | 6 | 6,050 | 298 | 101,741 |
| 82 | Hats and caps, not including fur hats, and wool hats. | 15 | 94,595 | | | 23,079 | 71,516 | 18 | 3 | 3,300 | 397 | 150,738 |
| 83 | Hosiery and knit goods | 25 | 6,149,333 | 160,000 | 632,590 | 1,306,134 | 4,050,614 | 12 | 101 | 159,300 | 3,243 | 1,131,078 |
| 84 | House furnishing goods, not elsewhere specified. | 7 | 2,709,941 | 145,500 | 452,295 | 523,500 | 1,588,646 | 5 | 63 | 115,387 | 721 | 302,046 |
| 85 | Ice, artificial | 5 | 316,722 | 47,000 | 71,843 | 171,843 | 26,036 | 5 | 15 | 17,681 | 83 | 21,041 |
| 86 | Instruments, professional and scientific | 5 | 143,453 | 15,200 | 20,600 | 21,650 | 77,033 | 2 | 13 | 23,909 | 126 | 55,417 |
| 87 | Iron and steel | 8 | 4,986,147 | 424,101 | 582,827 | 1,602,916 | 2,376,308 | | 74 | 109,875 | 1,828 | 959,825 |
| 88 | Iron and steel, bolts, nuts, washers, and rivets. | 13 | 1,337,986 | 44,077 | 131,036 | 455,031 | 677,792 | 10 | 51 | 80,207 | 1,164 | 442,663 |
| 89 | Iron and steel, forgings | 10 | 1,522,189 | 73,137 | 156,026 | 365,920 | 927,105 | | 36 | 47,438 | 336 | 169,162 |
| 90 | Iron and steel, nails and spikes, cut and wrought, including wire nails. | 4 | 1,209,201 | 33,135 | 187,925 | 370,462 | 567,629 | | 123 | 113,800 | 423 | 180,545 |
| 91 | Ironwork, architectural and ornamental. | 6 | 1,205,813 | 22,300 | 97,600 | 213,520 | 866,893 | 6 | 32 | 81,515 | 541 | 309,979 |
| 92 | Ivory and bonework | 4 | 113,313 | 3,900 | 37,439 | 20,843 | 51,631 | 2 | 7 | 6,330 | 97 | 39,451 |
| 93 | Kaolin and other earth grinding | 4 | 57,153 | 600 | 3,430 | 32,000 | 21,123 | 3 | 1 | 730 | 45 | 17,719 |
| 94 | Lamps and reflectors | 2 | 2,218,695 | 120,334 | 243,618 | 412,362 | 1,442,381 | 4 | 93 | 159,554 | 1,620 | 711,729 |
| 95 | Leather goods | 9 | 11,035 | 600 | 550 | 3,485 | 6,400 | 5 | 5 | 2,400 | 4 | 2,320 |
| 96 | Leather, tanned, curried, and finished | 7 | 639,408 | 65,500 | 97,209 | 59,342 | 417,357 | 10 | 12 | 13,506 | 179 | 90,058 |
| 97 | Lime and cement | 11 | 250,392 | 71,720 | 65,550 | 26,915 | 86,207 | 10 | 12 | 9,640 | 171 | 71,038 |
| 98 | Liquors, distilled | 15 | 200,442 | 12,235 | 44,450 | 44,425 | 99,272 | 16 | 4 | 5,000 | 20 | 11,205 |
| 99 | Liquors, malt | 20 | 3,108,778 | 193,761 | 958,722 | 804,297 | 1,151,998 | 20 | 81 | 132,897 | 344 | 278,946 |
| 100 | Lock and gun smithing | 27 | 37,137 | 100 | 300 | 13,175 | 23,562 | 28 | 2 | 700 | 27 | 14,659 |
| 101 | Looking-glass and picture frames | 37 | 120,592 | | | 8,637 | 111,955 | 42 | 8 | 4,970 | 47 | 27,629 |
| 102 | Lumber and timber products | 200 | 1,183,965 | 355,102 | 108,088 | 309,640 | 416,135 | 249 | 30 | 16,296 | 788 | 306,915 |
| 103 | Lumber, planing mill products, including sash, doors, and blinds. | 40 | 1,909,945 | 399,540 | 186,727 | 249,533 | 1,074,090 | 39 | 88 | 84,365 | 776 | 406,102 |
| 104 | Marble and stone work | 50 | 904,896 | 229,265 | 134,424 | 256,821 | 284,386 | 55 | 32 | 27,255 | 1,066 | 483,811 |
| 105 | Masonry, brick and stone | 233 | 1,404,277 | 218,323 | 154,492 | 161,036 | 870,426 | 269 | 77 | 71,536 | 2,884 | 1,525,239 |
| 106 | Mattresses and spring beds | 11 | 116,273 | 7,600 | 6,300 | 32,804 | 69,569 | 13 | 9 | 9,250 | 84 | 33,452 |
| 107 | Millinery and lace goods | 6 | 65,750 | 1,000 | 1,000 | 14,950 | 48,800 | 8 | 3 | 2,080 | 105 | 37,778 |
| 108 | Millinery, custom work | 237 | 541,350 | 26,500 | 41,250 | 18,249 | 455,351 | 277 | 43 | 12,911 | 673 | 255,153 |
| 109 | Mineral and soda waters | 74 | 318,882 | 39,100 | 58,325 | 134,694 | 86,773 | 89 | 16 | 10,100 | 162 | 73,477 |
| 110 | Models and patterns | 16 | 30,870 | 2,200 | 1,500 | 13,700 | 12,970 | 17 | | | 37 | 23,212 |
| 111 | Monuments and tombstones | 65 | 322,288 | 57,125 | 43,000 | 41,236 | 180,877 | 75 | 19 | 11,857 | 274 | 171,468 |
| 112 | Mucilage and paste | 3 | 9,661 | 1,500 | 900 | 2,712 | 4,549 | 5 | | | 4 | 2,000 |
| 113 | Musical instruments, organs and materials. | 5 | 81,250 | 1,400 | 6,700 | 11,500 | 61,650 | 6 | 14 | 13,900 | 79 | 44,145 |
| 114 | Musical instruments, pianos and materials. | 10 | 3,605,205 | 85,564 | 337,851 | 292,762 | 2,789,023 | | 70 | 131,307 | 1,784 | 845,621 |
| 115 | Needles and pins | 13 | 2,250,021 | 48,200 | 151,200 | 370,371 | 1,680,250 | 10 | 62 | 87,841 | 1,238 | 533,293 |
| 116 | Oil, essential | 5 | 65,500 | 11,700 | 32,100 | 11,200 | 10,500 | 4 | 2 | 2,000 | 8 | 2,957 |
| 117 | Oil, not elsewhere specified | 3 | 5,613 | | | 513 | 5,100 | 2 | | | 3 | 1,100 |
| 118 | Optical goods | 7 | 29,455 | | | 5,365 | 24,090 | 12 | 1 | 600 | 13 | 6,445 |
| 119 | Painting, house, sign, etc | 423 | 738,529 | 46,130 | 69,880 | 94,294 | 523,222 | 466 | 44 | 30,222 | 1,608 | 968,251 |
| 120 | Paper and wood pulp | 49 | 3,968,152 | 445,655 | 1,048,294 | 1,230,672 | 1,237,531 | 36 | 115 | 151,600 | 1,425 | 633,413 |
| 121 | Paper hanging | 25 | 67,580 | 1,160 | 725 | 6,085 | 59,610 | 25 | 16 | 10,820 | 172 | 102,023 |
| 122 | Patent medicines and compounds | 46 | 615,149 | 46,824 | 79,291 | 67,977 | 421,057 | 38 | 117 | 114,030 | 153 | 72,111 |
| 123 | Paving and paving materials | 52 | 447,732 | 72,060 | 42,710 | 132,740 | 200,272 | 56 | 41 | 43,913 | 605 | 274,770 |
| 124 | Perfumery and cosmetics | 5 | 112,335 | 200 | 1,200 | 8,265 | 102,670 | 3 | 20 | 11,520 | 40 | 7,580 |
| 125 | Photography | 110 | 137,348 | 6,450 | 10,000 | 105,013 | 65,885 | 124 | 12 | 7,108 | 111 | 55,929 |
| 126 | Photolithographing and photoengraving. | 6 | 62,959 | | | 20,333 | 42,626 | 5 | 7 | 6,656 | 33 | 19,343 |

SPECIFIED INDUSTRIES: 1900—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | | Value of products, including custom work and repairing. | |
|---|-----------|---------------------------|-----------|---------------------------|--------|-------------------------|----------------|--|---------------------------------|----------------|-------------------------|---|----------------------------------|------------|---|--|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not including internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | | |
| 18 | \$11,575 | | | | | \$2,646 | \$895 | \$16 | \$470 | \$1,265 | \$1,566 | \$1,462 | \$104 | \$27,195 | 57 | |
| 201 | 121,057 | 384 | \$138,855 | 4 | \$388 | 80,189 | | 7,463 | 72,726 | | 929,926 | 920,046 | 9,880 | 1,482,317 | 58 | |
| 55 | 24,685 | 70 | 15,646 | | | 18,022 | 1,310 | 465 | 16,157 | 90 | 90,862 | 88,782 | 2,080 | 215,229 | 59 | |
| 113 | 48,819 | 20 | 5,889 | | | 19,754 | 400 | 1,164 | 18,190 | | 228,242 | 221,824 | 6,418 | 390,505 | 60 | |
| 24 | 11,140 | | | | | 1,390 | 508 | 97 | 725 | 60 | 3,503 | 3,172 | 331 | 27,209 | 61 | |
| 1,141 | 724,982 | 2 | 800 | 1 | 156 | 156,665 | 5,402 | 9,796 | 139,867 | 1,600 | 300,152 | 286,510 | 22,642 | 1,476,870 | 62 | |
| 5 | 3,000 | 13 | 3,750 | | | 9,611 | 1,146 | 71 | 8,894 | | 68,546 | 62,972 | 574 | 107,800 | 63 | |
| 227 | 97,554 | 6 | 1,755 | | | 32,083 | 8,989 | 10,389 | 17,330 | 425 | 1,845,545 | 1,824,506 | 21,039 | 2,268,859 | 64 | |
| 16 | 8,387 | 34 | 11,488 | | | 19,542 | 1,272 | 589 | 17,681 | | 42,844 | 40,744 | 2,100 | 130,952 | 65 | |
| 12,338 | 6,872,781 | 229 | 60,578 | 79 | 14,950 | 1,097,036 | 74,651 | 98,704 | 898,707 | 24,974 | 6,688,689 | 6,222,338 | 461,351 | 18,991,079 | 66 | |
| 35 | 12,203 | 64 | 12,614 | 1 | 150 | 1,985 | | 200 | 1,785 | | 81,887 | 80,719 | 1,168 | 124,280 | 67 | |
| 21 | 16,411 | 48 | 15,161 | | | 12,707 | 4,487 | 402 | 5,818 | 2,000 | 71,857 | 71,381 | 526 | 162,280 | 68 | |
| 3,405 | 1,966,174 | 1,458 | 447,020 | 5 | 1,358 | 392,152 | 30,864 | 11,979 | 313,683 | 35,626 | 3,685,748 | 3,565,864 | 119,884 | 7,546,882 | 69 | |
| 8 | 3,840 | 52 | 13,106 | 1 | 270 | 2,347 | 180 | 50 | 2,117 | | 41,081 | 40,706 | 375 | 100,279 | 70 | |
| 249 | 132,872 | 11 | 8,393 | 1 | 200 | 21,892 | 19,940 | 1,096 | 8,866 | 1,900 | 196,190 | 192,107 | 4,088 | 512,797 | 71 | |
| 199 | 98,065 | 9 | 2,650 | | | 27,698 | 2,747 | 788 | 19,563 | 4,600 | 258,583 | 251,524 | 2,009 | 488,738 | 72 | |
| 722 | 377,946 | 86 | 24,980 | 51 | 10,700 | 49,972 | 180 | 8,575 | 41,217 | | 348,825 | 329,376 | 19,449 | 987,777 | 73 | |
| 354 | 231,102 | | | | | 332,398 | 83,975 | 61,258 | 237,170 | | 362,248 | 338,606 | 23,642 | 1,421,014 | 74 | |
| 81 | 44,677 | 41 | 11,550 | | | 4,447 | 2,369 | 518 | 1,560 | | 47,926 | 46,461 | 1,465 | 142,572 | 75 | |
| 50 | 24,896 | | | | | 8,106 | 1,045 | 894 | 6,667 | | 236,084 | 231,885 | 4,199 | 328,262 | 76 | |
| 1 | 780 | 12 | 8,173 | | | 2,712 | 2,490 | 25 | 197 | | 7,573 | 7,431 | 142 | 23,055 | 77 | |
| 1 | 700 | 4 | 1,360 | | | 4,315 | 1,493 | 56 | 2,781 | 35 | 7,061 | 6,818 | 243 | 26,097 | 78 | |
| 10,099 | 5,156,178 | 1,681 | 440,696 | 326 | 67,172 | 1,333,779 | 15,489 | 99,173 | 1,203,117 | 16,000 | 6,576,620 | 6,305,849 | 270,771 | 16,301,198 | 79 | |
| 574 | 278,025 | 148 | 34,574 | 2 | 205 | 118,765 | 1,900 | 5,927 | 107,938 | | 393,571 | 368,503 | 30,068 | 1,022,856 | 80 | |
| 240 | 86,587 | 56 | 14,754 | 2 | 400 | 23,570 | 3,510 | 1,958 | 18,102 | | 365,954 | 356,048 | 9,306 | 587,819 | 81 | |
| 162 | 76,750 | 234 | 73,788 | 1 | 200 | 15,298 | 9,012 | 503 | 4,888 | 900 | 306,680 | 300,776 | 5,804 | 551,190 | 82 | |
| 966 | 447,414 | 2,181 | 666,597 | 96 | 17,067 | 205,658 | 12,370 | 28,990 | 154,698 | 14,600 | 2,202,640 | 2,155,037 | 47,608 | 4,043,977 | 83 | |
| 525 | 254,324 | 187 | 45,673 | 9 | 2,049 | 131,922 | 670 | 7,458 | 111,799 | 12,000 | 1,302,780 | 1,287,722 | 15,008 | 2,237,770 | 84 | |
| 38 | 21,041 | | | | | 11,868 | 750 | 1,544 | 9,069 | | 16,014 | 4,548 | 11,466 | 95,304 | 85 | |
| 49 | 29,081 | 77 | 26,336 | | | 20,458 | 120 | 876 | 19,462 | | 49,903 | 48,546 | 1,357 | 187,598 | 86 | |
| 1,813 | 956,465 | 12 | 2,587 | 3 | 773 | 198,067 | | 21,831 | 176,236 | | 2,348,411 | 2,058,771 | 289,640 | 4,818,431 | 87 | |
| 948 | 390,273 | 197 | 48,539 | 19 | 8,854 | 47,938 | 440 | 5,267 | 42,281 | | 539,270 | 506,501 | 32,769 | 1,380,088 | 88 | |
| 332 | 168,006 | 4 | 1,156 | | | 30,279 | 3,373 | 4,330 | 21,976 | 600 | 206,184 | 181,623 | 24,561 | 533,673 | 89 | |
| 273 | 142,883 | 155 | 87,662 | | | 161,193 | 600 | 4,940 | 155,658 | | 299,097 | 289,955 | 9,142 | 1,157,721 | 90 | |
| 538 | 308,179 | 8 | 1,800 | | | 36,425 | 200 | 1,812 | 31,060 | 3,353 | 1,093,609 | 1,076,787 | 16,822 | 1,729,976 | 91 | |
| 77 | 33,267 | 20 | 6,184 | | | 4,658 | | 486 | 4,172 | | 75,385 | 73,619 | 1,766 | 146,200 | 92 | |
| 45 | 17,719 | | | | | 8,538 | 6,000 | 421 | 2,117 | | 31,152 | 28,772 | 4,380 | 82,887 | 93 | |
| 1,027 | 493,242 | 560 | 205,133 | 33 | 13,354 | 186,742 | 1,250 | 9,873 | 125,619 | | 1,176,153 | 1,149,873 | 26,280 | 2,356,848 | 94 | |
| 4 | 2,320 | | | | | 1,189 | 495 | 24 | 670 | | 8,098 | 7,954 | 144 | 17,575 | 95 | |
| 168 | 87,158 | 11 | 2,900 | | | 23,087 | 1,000 | 2,337 | 19,230 | | 681,399 | 674,725 | 6,674 | 891,478 | 96 | |
| 171 | 71,938 | | | | | 21,932 | 447 | 1,205 | 8,547 | 11,733 | 148,752 | 89,747 | 59,005 | 286,040 | 97 | |
| 20 | 11,205 | | | | | 179,152 | | 862 | 178,290 | | 49,471 | 42,068 | 7,403 | 292,657 | 98 | |
| 342 | 278,781 | 2 | 165 | | | 1,156,308 | 5,800 | 21,146 | 1,129,362 | | 689,555 | 588,776 | 55,779 | 2,652,819 | 99 | |
| 23 | 13,159 | 3 | 1,200 | 1 | 300 | 4,478 | 3,638 | 153 | 682 | | 18,518 | 12,679 | 839 | 54,408 | 100 | |
| 45 | 26,904 | 1 | 575 | 1 | 150 | 9,775 | 6,723 | 357 | 2,245 | 450 | 104,130 | 103,216 | 914 | 187,881 | 101 | |
| 788 | 306,915 | | | | | 36,799 | 2,664 | 5,693 | 24,342 | 4,100 | 902,391 | 902,391 | | 1,818,643 | 102 | |
| 776 | 406,102 | | | | | 86,795 | 7,721 | 10,469 | 68,605 | | 1,510,940 | 1,499,743 | 11,197 | 2,298,810 | 103 | |
| 1,058 | 482,511 | | | 8 | 1,300 | 20,840 | 5,979 | 3,884 | 8,612 | 2,365 | 307,699 | 292,162 | 15,537 | 997,272 | 104 | |
| 2,877 | 1,524,129 | | | 7 | 1,110 | 781,284 | 13,516 | 6,193 | 66,214 | 645,861 | 1,954,890 | 1,947,234 | 7,656 | 5,024,872 | 105 | |
| 70 | 29,059 | 14 | 4,393 | | | 13,307 | 3,088 | 667 | 7,962 | 1,590 | 99,831 | 97,737 | 2,094 | 214,542 | 106 | |
| 5 | 3,437 | 100 | 34,341 | | | 4,513 | 2,635 | 338 | 1,540 | | 142,386 | 142,001 | 385 | 234,323 | 107 | |
| 24 | 11,798 | 645 | 242,587 | 4 | 768 | 89,459 | 63,081 | 3,197 | 21,146 | 2,035 | 826,392 | 819,248 | 7,144 | 1,540,513 | 108 | |
| 162 | 78,477 | | | | | 81,433 | 7,963 | 1,952 | 21,518 | | 159,063 | 155,101 | 3,962 | 437,410 | 109 | |
| 36 | 23,012 | | | 1 | 200 | 3,224 | 2,540 | 113 | 571 | | 13,377 | 11,633 | 1,724 | 60,898 | 110 | |
| 274 | 171,468 | | | | | 21,612 | 4,124 | 2,409 | 8,807 | 6,272 | 207,432 | 204,155 | 3,277 | 541,087 | 111 | |
| 4 | 2,000 | | | | | 422 | 180 | 24 | 218 | | 7,210 | 6,884 | 326 | 14,961 | 112 | |
| 73 | 41,767 | 5 | 1,774 | 1 | 604 | 8,880 | 2,100 | 170 | 5,510 | 1,100 | 50,172 | 48,105 | 2,067 | 138,952 | 113 | |
| 1,656 | 818,470 | 124 | 31,362 | 4 | 789 | 162,433 | 3,975 | 12,863 | 184,257 | 11,338 | 1,520,203 | 1,486,625 | 33,573 | 3,256,816 | 114 | |
| 581 | 321,207 | 566 | 195,828 | 91 | 16,258 | 177,508 | 78,300 | 10,145 | 88,344 | 714 | 708,323 | 695,194 | 13,129 | 1,761,806 | 115 | |
| 7 | 2,503 | 1 | 454 | | | 2,260 | 10 | 235 | 1,615 | 400 | 29,208 | 28,958 | 250 | 45,530 | 116 | |
| 3 | 1,100 | | | | | 1,785 | 450 | 10 | 1,275 | | 6,464 | 6,451 | 13 | 13,620 | 117 | |
| 13 | 6,445 | | | | | 6,072 | 2,780 | 138 | 2,154 | | 30,156 | 29,628 | 528 | 59,393 | 118 | |
| 1,684 | 962,081 | 22 | 5,620 | 2 | 550 | 71,298 | 39,185 | 3,185 | 27,338 | 1,040 | 637,053 | 681,950 | 5,103 | 2,815,860 | 119 | |
| 1,157 | 562,523 | 268 | 70,890 | | | 279,962 | 3,255 | 19,621 | 256,986 | 200 | 1,982,080 | 1,770,328 | 211,752 | 3,565,021 | 120 | |
| 170 | 102,028 | | | | | 11,037 | 5,867 | 389 | 5,381 | | 82,353 | 81,794 | 559 | 242,194 | 121 | |
| 111 | 58,554 | 42 | 13,557 | | | 175,166 | 7,428 | 5,792 | 159,088 | 2,908 | 303,386 | 295,429 | 7,957 | 887,120 | 122 | |
| 605 | 274,770 | | | | | 27,104 | 4,389 | 2,638 | 18,622 | 1,555 | 362,621 | 350,220 | 12,401 | 877,952 | 123 | |
| 7 | 2,430 | 33 | 5,130 | | | 72,541 | 715 | 76 | 71,750 | | 43,398 | 43,222 | 176 | 198,629 | 124 | |
| 71 | 41,164 | 88 | 14,436 | 2 | 279 | 44,221 | 32,987 | 760 | 9,329 | 1,145 | 97,822 | 94,234 | 3,588 | 858,528 | 125 | |
| 32 | 18,452 | 6 | 1,391 | | | 9,364 | 1,436 | 270 | 6,698 | 900 | 10,679 | 9,432 | 1 | | | |

TABLE 7.—MANUFACTURES BY

| MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|---|---------------------------|------------|---------|------------|-----------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | Total. | Land. | Buildings. | Machinery, tools, and implements. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | Average number. | Wages. |
| Pickles, preserves, and sauces | 6 | \$45,979 | \$8,350 | \$6,500 | \$5,720 | \$30,409 | 10 | 9 | \$4,442 | 36 | \$13,096 |
| Plastering and stuccowork | 18 | 14,650 | 1,850 | 725 | 3,335 | 9,240 | 23 | | | 47 | 20,433 |
| Plated and britannia ware | 26 | 13,067,209 | 487,710 | 1,745,832 | 3,456,194 | 7,377,473 | 3 | 253 | 506,562 | 4,491 | 2,293,017 |
| Plumbers' supplies | 5 | 774,388 | 34,333 | 71,667 | 123,505 | 539,883 | 54 | 54 | 28,824 | 312 | 162,761 |
| Plumbing, and gas and steam fitting | 334 | 1,757,934 | 111,175 | 163,975 | 230,399 | 1,247,885 | 373 | 151 | 104,483 | 1,775 | 1,050,288 |
| Pottery, terra cotta, and fire-clay products | 8 | 283,862 | 32,450 | 94,097 | 56,323 | 100,992 | 3 | 18 | 23,201 | 138 | 65,036 |
| Printing and publishing, book and job | 153 | 1,988,754 | 144,600 | 226,380 | 808,559 | 809,215 | 151 | 132 | 112,359 | 980 | 501,405 |
| Printing and publishing, newspapers and periodicals | 116 | 2,289,658 | 199,600 | 309,243 | 1,098,395 | 681,920 | 85 | 238 | 235,655 | 1,151 | 703,587 |
| Printing materials | 3 | 29,200 | | | 15,200 | 14,000 | 4 | | | 12 | 6,792 |
| Roofing and roofing materials | 22 | 59,868 | 8,000 | 6,300 | 7,935 | 37,588 | 27 | 2 | 562 | 72 | 40,923 |
| Rubber and elastic goods | 22 | 6,094,867 | 334,447 | 343,200 | 1,355,131 | 3,562,089 | 8 | 255 | 303,532 | 3,006 | 1,136,162 |
| Saddlery and harness | 157 | 434,339 | 17,945 | 60,900 | 52,474 | 303,070 | 164 | 24 | 13,152 | 356 | 181,651 |
| Sausage | 11 | 26,341 | 700 | 1,000 | 14,250 | 10,391 | 12 | 1 | 780 | 26 | 14,330 |
| Screws, machine | 4 | 1,182,061 | 39,000 | 161,619 | 322,404 | 659,038 | 1 | 25 | 32,374 | 562 | 286,553 |
| Sewing machine repairing | 3 | 1,675 | | | 115 | 1,560 | 4 | | | 1 | 250 |
| Sewing machines and attachments | 7 | 5,216,570 | 169,256 | 466,810 | 797,252 | 3,788,252 | 3 | 53 | 87,563 | 2,104 | 1,176,622 |
| Ship and boat building, wooden | 35 | 601,871 | 121,900 | 118,730 | 80,939 | 280,302 | 37 | 12 | 14,012 | 915 | 451,086 |
| Shirts | 18 | 415,473 | 75,100 | 100,225 | 96,557 | 143,591 | 15 | 22 | 23,796 | 803 | 242,317 |
| Shoddy | 7 | 494,074 | 80,050 | 66,650 | 67,651 | 329,723 | 13 | 8 | 8,191 | 118 | 44,163 |
| Silk and silk goods | 38 | 12,166,775 | 282,294 | 1,597,352 | 2,061,799 | 8,225,830 | 23 | 323 | 403,423 | 6,514 | 2,392,873 |
| Slaughtering and meat packing, wholesale | 5 | 411,750 | 51,500 | 104,500 | 60,250 | 195,500 | 8 | 30 | 31,752 | 368 | 167,925 |
| Slaughtering, wholesale, not including meat packing | 7 | 150,814 | 25,500 | 51,885 | 5,460 | 67,969 | 5 | 7 | 4,910 | 12 | 6,314 |
| Smelting and refining, not from the ore | 6 | 66,925 | 10,500 | 11,600 | 9,950 | 34,875 | 5 | 4 | 3,680 | 103 | 55,849 |
| Soap and candles | 16 | 558,955 | 19,450 | 94,714 | 75,309 | 369,482 | 14 | 36 | 27,850 | 155 | 61,982 |
| Sporting goods | 4 | 327,641 | 24,000 | 36,000 | 117,900 | 149,741 | 2 | 17 | 18,678 | 220 | 125,680 |
| Springs, steel, car, and carriage | 3 | 117,700 | 43,500 | 32,300 | 5,200 | 36,700 | 1 | 4 | 7,800 | 51 | 36,648 |
| Stamped ware | 14 | 1,375,677 | 75,250 | 195,773 | 419,816 | 684,833 | 7 | 52 | 85,418 | 1,562 | 689,628 |
| Starch | 8 | 377,400 | 19,900 | 21,950 | 157,845 | 177,705 | 7 | 92 | 57,180 | 113 | 40,128 |
| Steam fittings and heating apparatus | 7 | 537,751 | 27,000 | 67,571 | 97,236 | 345,944 | 2 | 38 | 50,470 | 224 | 118,119 |
| Stereotyping and electrotyping | 4 | 47,142 | | | 25,605 | 21,537 | 5 | 6 | 3,780 | 57 | 89,976 |
| Surgical appliances | 4 | 8,500 | 350 | 550 | 2,650 | 4,950 | 5 | | | 4 | 2,040 |
| Tinsmithing, coppersmithing, and sheet-iron working | 107 | 429,550 | 33,700 | 68,520 | 75,247 | 252,033 | 104 | 37 | 28,302 | 437 | 260,976 |
| Tobacco, cigars and cigarettes | 216 | 863,591 | 25,010 | 61,050 | 29,494 | 748,037 | 238 | 26 | 28,955 | 1,032 | 570,341 |
| Tobacco, stemming and rehandling | 3 | 43,050 | 400 | 2,500 | 150 | 40,000 | 4 | 2 | 872 | 26 | 8,705 |
| Tools, not elsewhere specified | 27 | 671,755 | 44,575 | 136,422 | 209,497 | 281,261 | 38 | 34 | 33,178 | 463 | 227,349 |
| Toys and games | 9 | 261,108 | 8,200 | 40,800 | 41,185 | 170,923 | 9 | 15 | 15,106 | 177 | 69,695 |
| Trunks and valises | 4 | 24,800 | | | 4,800 | 20,000 | 3 | 1 | 150 | 34 | 15,010 |
| Typewriters and supplies | 4 | 1,142,454 | 66,850 | 75,500 | 423,217 | 570,887 | 1 | 24 | 39,104 | 693 | 374,452 |
| Umbrellas and canes | 5 | 64,555 | 2,000 | 8,000 | 15,350 | 36,205 | 5 | 5 | 4,065 | 70 | 29,363 |
| Upholstering materials | 4 | 155,280 | 17,025 | 31,025 | 60,365 | 46,865 | 1 | 13 | 11,127 | 115 | 41,877 |
| Varnish | 8 | 373,962 | 22,400 | 25,454 | 25,072 | 301,036 | 6 | 17 | 21,550 | 32 | 19,250 |
| Vinegar and cider | 67 | 116,557 | 10,077 | 32,094 | 46,777 | 27,609 | 73 | | | 46 | 17,331 |
| Watch and clock materials | 5 | 44,284 | 5,775 | 7,230 | 17,337 | 13,942 | 8 | 1 | 400 | 27 | 15,956 |
| Watch, clock, and jewelry repairing | 223 | 171,659 | 7,880 | 9,520 | 66,265 | 87,994 | 252 | 2 | 500 | 155 | 97,331 |
| Window shades | 3 | 660,761 | 4,536 | | 238,739 | 367,436 | 4 | 9 | 10,430 | 266 | 100,617 |
| Wirework, including wire rope and cable | 21 | 1,320,498 | 105,660 | 262,968 | 404,782 | 547,088 | 22 | 51 | 74,274 | 791 | 349,997 |
| Wood, turned and carved | 32 | 314,243 | 30,972 | 60,785 | 103,357 | 119,129 | 34 | 12 | 9,566 | 210 | 92,703 |
| Woolen goods | 51 | 9,140,060 | 395,966 | 1,458,743 | 2,012,192 | 5,278,165 | 46 | 144 | 191,357 | 4,663 | 1,760,917 |
| Worsted goods | 10 | 5,054,659 | 266,900 | 492,203 | 349,305 | 3,446,246 | 1 | 56 | 121,733 | 2,198 | 816,901 |
| All other industries ¹ | 101 | 15,565,236 | 594,882 | 2,005,635 | 4,377,002 | 8,587,717 | 34 | 327 | 497,175 | 5,588 | 2,595,932 |

¹ Embraces artificial limbs, 1; bags, other than paper, 1; baskets, and rattan and willow ware, 2; belting and hose, rubber, 1; blacking, 2; blueing, 1; bone, ivory, and lampblack, 1; brass, 2; bridges, 2; bronze castings, 2; cardboard, 1; card cutting and designing, 1; carpets and rugs, other than rag, 2; carriages and sleds, children's, 2; cars and general shop construction and repairs by street railroad companies, 2; charcoal, 1; cheese and butter, urban dairy products, 1; china decorating, 1; combs, 1; copper, smelting and refining, 2; cordials and sirups, 1; cotton small wares, 2; crucibles, 1; dentists' materials, 1; dye stuffs and extracts, 2; emery wheels, 2; enameling and enameled goods, 2; explosives, 1; felt goods, 2; fireworks, 2; furs, dressed, 1; gas machines and meters, 2; gas and oil stoves, 1; gloves and mittens, 1; glue, 1; gold and silver, leaf and foil, 2; gold and silver, reducing and refining, not from the ore, 1; hammocks, 1; hones and whetstones, 1;

TABLE 8.—MANUFACTURES IN CITIES

BRIDGEPORT.

| | | 832 | \$33,066,890 | \$2,047,221 | \$3,775,717 | \$8,653,129 | \$18,590,823 | 839 | 1,163 | \$1,498,768 | 19,291 | \$9,123,790 |
|---|----|-----------|--------------|-------------|-------------|-------------|--------------|-----|-------|-------------|--------|-------------|
| 1 All industries | | | | | | | | | | | | |
| 2 Bicycle and tricycle repairing | 20 | 18,975 | | 850 | 850 | 7,815 | 9,460 | 21 | 1 | 150 | 10 | 5,511 |
| 3 Blacksmithing and wheelwrighting | 37 | 29,985 | | 2,300 | 3,250 | 8,245 | 16,140 | 42 | | | 46 | 26,632 |
| 4 Boots and shoes, custom work and repairing | 77 | 14,435 | | 600 | 1,490 | 5,100 | 7,185 | 76 | | | 25 | 13,269 |
| 5 Bottling | 17 | 87,832 | | 8,500 | 7,050 | 4,917 | 17,365 | 18 | 1 | 850 | 14 | 5,508 |
| 6 Brass castings and brass finishing | 9 | 2,724,227 | | 129,000 | 222,000 | 377,245 | 1,995,982 | 5 | 95 | 153,598 | 1,837 | 977,669 |
| 7 Bread and other bakery products | 41 | 310,417 | | 95,475 | 53,900 | 58,563 | 102,479 | 42 | 36 | 13,836 | 186 | 110,725 |
| 8 Carpentering | 56 | 335,312 | | 52,900 | 54,600 | 42,187 | 235,625 | 67 | 16 | 11,690 | 698 | 438,444 |
| 9 Carriages and wagons | 9 | 685,133 | | 76,200 | 27,000 | 38,303 | 523,630 | 9 | 16 | 13,451 | 207 | 122,843 |
| 10 Clothing, men's, custom work and repairing | 43 | 56,275 | | | | 4,800 | 51,475 | 50 | 1 | 600 | 110 | 59,694 |
| 11 Clothing, women's, dressmaking | 70 | 55,767 | | 8,200 | 14,750 | 6,147 | 26,670 | 78 | 1 | 520 | 143 | 49,549 |

SPECIFIED INDUSTRIES: 1900—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—Continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. |
|---|-----------|---------------------------|-----------|---------------------------|---------|-------------------------|----------------|--|---------------------------------|----------------|------------|---|----------------------------------|------------|---|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not including internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 38 | \$12,884 | 3 | \$762 | | | \$7,575 | \$725 | \$259 | \$6,591 | | \$25,118 | \$24,349 | \$769 | \$92,827 | 127 |
| 47 | 29,433 | | | | | 8,962 | 987 | 35 | 1,165 | | 23,011 | 22,857 | 154 | 70,839 | 128 |
| 3,733 | 2,085,049 | 709 | 200,370 | 49 | \$7,598 | 582,635 | 9,395 | 44,670 | 528,570 | | 4,679,220 | 4,608,325 | 70,895 | 9,588,397 | 129 |
| 282 | 154,661 | 16 | 5,400 | 14 | 2,700 | 31,895 | 1,150 | 4,583 | 26,157 | | 209,297 | 198,881 | 10,416 | 452,348 | 130 |
| 1,761 | 1,047,234 | 6 | 1,712 | 9 | 1,342 | 149,565 | 78,079 | 7,480 | 63,089 | 967 | 1,847,377 | 1,830,518 | 16,859 | 3,927,634 | 131 |
| 126 | 62,610 | 12 | 2,426 | | | 11,129 | 535 | 956 | 9,638 | | 41,851 | 28,915 | 12,936 | 172,843 | 132 |
| 760 | 437,114 | 210 | 62,704 | 10 | 1,587 | 316,526 | 43,495 | 8,609 | 91,818 | 172,604 | 565,382 | 548,738 | 16,644 | 1,877,759 | 133 |
| 958 | 640,227 | 162 | 60,893 | 31 | 2,967 | 294,604 | 33,094 | 12,216 | 210,580 | 38,764 | 432,772 | 398,198 | 34,574 | 2,129,073 | 134 |
| 9 | 6,134 | 2 | 450 | 1 | 208 | 1,401 | 852 | 14 | 535 | | 17,671 | 17,135 | 536 | 31,046 | 135 |
| 72 | 40,923 | | | | | 6,135 | 1,596 | 139 | 4,275 | 125 | 114,275 | 113,607 | 668 | 198,570 | 136 |
| 1,681 | 765,776 | 1,187 | 849,708 | 138 | 20,078 | 452,293 | 14,236 | 22,145 | 403,212 | 12,650 | 5,697,899 | 5,610,702 | 87,197 | 8,246,240 | 137 |
| 323 | 174,132 | 22 | 6,221 | 6 | 1,298 | 50,611 | 22,948 | 2,757 | 24,252 | 651 | 368,310 | 363,870 | 4,440 | 782,518 | 138 |
| 26 | 14,330 | | | | | 5,678 | 4,396 | 105 | 1,177 | | 120,278 | 117,752 | 2,521 | 178,809 | 139 |
| 492 | 266,637 | 70 | 19,916 | | | 20,148 | 800 | 5,089 | 14,259 | | 331,609 | 317,034 | 14,575 | 736,105 | 140 |
| 1 | 250 | | | | | 487 | 390 | 12 | 85 | | 223 | 148 | 75 | 2,770 | 141 |
| 1,947 | 1,131,310 | 141 | 42,912 | 16 | 2,400 | 265,786 | 12,800 | 12,482 | 125,994 | 114,510 | 966,567 | 934,962 | 31,605 | 3,170,137 | 142 |
| 915 | 451,086 | | | | | 13,529 | 3,227 | 1,885 | 7,547 | 870 | 680,213 | 673,908 | 6,305 | 1,227,120 | 143 |
| 160 | 58,799 | 634 | 182,418 | 9 | 1,100 | 25,133 | 7,625 | 1,128 | 15,265 | 1,115 | 291,680 | 284,179 | 7,501 | 680,342 | 144 |
| 101 | 40,461 | 7 | 1,402 | 10 | 2,300 | 33,601 | 4,345 | 1,559 | 18,721 | 8,976 | 362,438 | 354,308 | 8,130 | 537,733 | 145 |
| 2,763 | 1,350,543 | 3,585 | 1,013,498 | 166 | 28,832 | 687,450 | 30,202 | 36,506 | 363,489 | 217,253 | 7,198,008 | 7,101,091 | 96,917 | 12,878,981 | 146 |
| 368 | 167,925 | | | | | 69,913 | 600 | 5,859 | 63,454 | | 2,923,511 | 2,904,411 | 19,100 | 3,380,112 | 147 |
| 10 | 5,904 | 2 | 410 | | | 6,308 | 640 | 888 | 5,280 | | 220,079 | 219,769 | 310 | 233,231 | 148 |
| 49 | 38,449 | 54 | 17,400 | | | 4,052 | 1,712 | 1,105 | 1,235 | | 147,742 | 143,465 | 4,277 | 242,192 | 149 |
| 96 | 50,426 | 39 | 8,556 | 20 | 3,000 | 223,333 | 1,130 | 2,118 | 220,085 | | 333,983 | 324,799 | 9,184 | 941,001 | 150 |
| 203 | 120,168 | 17 | 5,517 | | | 54,080 | 219 | 1,161 | 52,700 | | 212,183 | 209,017 | 3,166 | 495,961 | 151 |
| 51 | 36,648 | | | | | 3,689 | | 1,197 | 2,432 | | 50,223 | 46,733 | 3,490 | 116,906 | 152 |
| 818 | 423,885 | 661 | 192,337 | 83 | 22,906 | 45,064 | 2,690 | 6,535 | 35,839 | | 757,795 | 739,796 | 17,999 | 1,710,552 | 153 |
| 106 | 37,838 | 5 | 1,990 | 2 | 300 | 57,866 | 1,180 | 1,676 | 52,222 | 2,388 | 286,830 | 284,450 | 1,380 | 591,000 | 154 |
| 224 | 118,119 | | | | | 23,413 | 2,524 | 2,448 | 16,041 | 2,400 | 282,356 | 274,659 | 7,697 | 598,220 | 155 |
| 57 | 39,976 | | | | | 10,540 | 2,545 | 43 | 7,802 | 150 | 12,162 | 10,491 | 1,661 | 92,431 | 156 |
| 4 | 2,040 | | | | | 1,261 | 456 | 8 | 747 | 50 | 4,078 | 4,013 | 65 | 19,000 | 157 |
| 434 | 260,361 | | | 3 | 615 | 35,159 | 15,071 | 1,954 | 18,094 | 40 | 376,269 | 370,835 | 5,434 | 900,781 | 158 |
| 806 | 500,249 | 206 | 67,075 | 20 | 3,517 | 207,841 | 26,450 | 10,741 | 170,650 | | 672,340 | 667,780 | 4,610 | 1,775,829 | 159 |
| 26 | 8,705 | | | | | 648 | 40 | 141 | 467 | | 65,944 | 65,784 | 160 | 82,404 | 160 |
| 413 | 215,344 | 44 | 10,470 | 6 | 1,535 | 41,197 | 2,605 | 2,937 | 34,955 | 650 | 180,425 | 170,547 | 9,878 | 614,072 | 161 |
| 135 | 53,666 | 28 | 8,625 | 14 | 2,404 | 37,208 | 3,874 | 17,008 | 3,426 | 12,300 | 75,164 | 71,674 | 3,490 | 227,531 | 162 |
| 24 | 11,174 | 10 | 3,836 | | | 1,817 | 1,310 | 47 | 460 | | 29,218 | 28,630 | 593 | 57,550 | 163 |
| 588 | 340,456 | 97 | 31,806 | 8 | 2,160 | 41,876 | 812 | 2,600 | 38,404 | | 162,562 | 157,181 | 5,321 | 783,822 | 164 |
| 55 | 25,585 | 15 | 3,778 | | | 2,746 | 1,500 | 419 | 827 | | 36,991 | 33,911 | 2,786 | 80,625 | 165 |
| 52 | 24,488 | 61 | 17,262 | 2 | 127 | 7,987 | 1,800 | 428 | 5,759 | | 45,858 | 44,313 | 1,545 | 141,868 | 166 |
| 22 | 16,250 | 10 | 3,000 | | | 46,959 | 750 | 1,046 | 44,563 | | 234,474 | 232,634 | 1,840 | 399,759 | 167 |
| 46 | 17,831 | | | | | 3,222 | 359 | 598 | 2,259 | 6 | 73,508 | 72,090 | 1,413 | 175,907 | 168 |
| 22 | 14,000 | 5 | 1,956 | | | 2,276 | 190 | 225 | 1,851 | | 10,900 | 9,852 | 1,048 | 50,984 | 169 |
| 147 | 95,778 | 5 | 1,187 | 3 | 416 | 41,736 | 28,732 | 676 | 6,093 | 6,175 | 66,511 | 62,955 | 3,556 | 355,916 | 170 |
| 148 | 77,025 | 118 | 23,592 | | | 73,783 | 11,630 | 1,382 | 60,221 | | 654,379 | 642,397 | 12,022 | 925,938 | 171 |
| 636 | 312,381 | 143 | 36,434 | 7 | 1,182 | 63,526 | 4,999 | 5,119 | 53,408 | | 562,590 | 546,392 | 16,198 | 1,245,693 | 172 |
| 199 | 89,968 | 7 | 2,021 | 4 | 714 | 13,397 | 2,624 | 1,221 | 9,452 | 100 | 118,611 | 114,308 | 4,503 | 277,132 | 173 |
| 3,071 | 1,285,590 | 1,448 | 445,762 | 149 | 29,565 | 473,106 | 17,912 | 38,435 | 399,322 | 17,437 | 4,951,162 | 4,779,867 | 171,295 | 8,097,218 | 174 |
| 1,379 | 609,947 | 661 | 209,410 | 158 | 27,544 | 310,267 | 10,016 | 19,829 | 273,235 | 7,187 | 2,971,626 | 2,917,032 | 54,394 | 4,539,814 | 175 |
| 4,258 | 2,192,263 | 1,233 | 389,237 | 97 | 14,432 | 690,303 | 24,997 | 42,807 | 622,504 | | 10,542,145 | 10,263,881 | 278,264 | 15,983,300 | 176 |

hooks and eyes, 2; horseshoes, factory product, 1; ink, writing, 1; iron and steel, pipe, wrought, 1; japanning, 1; jewelry, 2; jute and jute goods, 1; lapidary work, 1; lithographing and engraving, 2; musical instruments and materials, not specified, 2; nets and seines, 1; oakum, 1; ordnance and ordnance stores, 2; paints, 2; paper goods, not elsewhere specified, 1; paper hangings, 1; pens, fountain, and stylographic, 2; phonographs and graphophones, 1; photographic apparatus, 2; pipes, tobacco, 1; pocketbooks, 1; pumps, not including steam pumps, 1; regalia and society banners and emblems, 1; registers, car fare, 1; sales and vaults, 1; saws, 1; screws, wood, 1; stationery goods, not elsewhere specified, 2; steam packing, 1; stencils and brands, 1; taxidermy, 1; typewriter repairing, 1; watches, 1; wire, 1; woodenware, not elsewhere specified, 1; wool scouring, 1.

BY SPECIFIED INDUSTRIES: 1900.

BRIDGEPORT.

| | | | | | | | | | | | | | | | |
|--------|-------------|-------|-------------|-----|----------|-------------|-----------|-----------|-------------|-----------|--------------|--------------|-----------|--------------|----|
| 13,599 | \$7,454,429 | 5,446 | \$1,600,413 | 246 | \$59,948 | \$2,504,892 | \$196,367 | \$106,339 | \$2,040,428 | \$221,258 | \$19,133,236 | \$18,709,995 | \$423,241 | \$37,883,721 | 1 |
| 8 | 5,205 | | | 2 | 306 | 2,001 | 1,762 | 39 | 185 | 15 | 9,784 | 9,474 | 310 | 31,334 | 2 |
| 46 | 26,632 | | | | | 6,525 | 5,985 | 76 | 464 | | 34,987 | 33,891 | 1,096 | 112,505 | 3 |
| 25 | 13,269 | | | | | 6,822 | 6,369 | 21 | 432 | | 24,044 | 23,151 | 893 | 80,327 | 4 |
| 14 | 5,508 | | | | | 2,314 | 1,012 | 146 | 1,156 | | 46,067 | 45,946 | 122 | 75,086 | 5 |
| 1,782 | 943,567 | 95 | 30,982 | 10 | 3,120 | 152,529 | 2,600 | 12,038 | 134,190 | 8,701 | 2,538,443 | 2,474,307 | 64,136 | 4,147,452 | 6 |
| 178 | 107,395 | 7 | 3,130 | 1 | 150 | 17,331 | 6,850 | 798 | 9,683 | | 301,201 | 293,740 | 7,551 | 586,443 | 7 |
| 698 | 438,444 | | | | | 178,323 | 3,747 | 2,391 | 19,578 | 152,607 | 730,592 | 735,917 | 3,675 | 1,612,376 | 8 |
| 207 | 122,843 | | | | | 14,538 | 4,618 | 1,609 | 8,361 | | 134,311 | 131,130 | 3,681 | 366,585 | 9 |
| 101 | 56,961 | 8 | 2,583 | 1 | 150 | 13,127 | 11,010 | 76 | 2,041 | | 66,101 | 64,798 | 1,303 | 189,615 | 10 |
| 17 | 10,979 | 126 | 38,570 | | | 10,447 | 9,274 | 251 | 922 | | 61,068 | 59,559 | 1,509 | 185,924 | 11 |

TABLE 8.—MANUFACTURES IN CITIES

BRIDGEPORT—Continued.

| | MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|----|--|---------------------------|------------|-----------|------------|-----------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and implements. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average number. | Wages. |
| 12 | Clothing, women's, factory product | 3 | \$132,575 | \$11,000 | \$23,500 | \$17,125 | \$80,950 | 3 | 11 | \$10,216 | 380 | \$140,080 |
| 13 | Confectionery | 4 | 22,900 | | | 7,300 | 15,600 | 5 | 3 | 2,128 | 17 | 10,005 |
| 14 | Corsets | 7 | 1,861,076 | 53,100 | 212,546 | 129,104 | 966,326 | 11 | 127 | 247,247 | 2,984 | 877,514 |
| 15 | Cutlery and edge tools | 3 | 193,600 | 13,400 | 19,000 | 39,500 | 116,700 | | 13 | 15,875 | 850 | 147,562 |
| 16 | Druggists' preparations, not including prescriptions. | 3 | 2,130 | | | 230 | 1,900 | 3 | | | | |
| 17 | Dyeing and cleaning | 3 | 6,774 | | 500 | 2,105 | 4,169 | 7 | 2 | 660 | 8 | 3,964 |
| 18 | Electrical construction and repairs | 3 | 3,325 | | | 825 | 2,500 | 3 | | | 4 | 1,728 |
| 19 | Electroplating | 3 | 9,700 | | | 4,850 | 5,350 | 4 | 1 | 900 | 19 | 8,012 |
| 20 | Flouring and grist mill products | 3 | 189,000 | 22,500 | 102,500 | 22,000 | 42,000 | 2 | 7 | 2,756 | 7 | 8,470 |
| 21 | Foundry and machine shop products | 31 | 2,319,172 | 193,800 | 367,600 | 532,882 | 1,174,390 | 21 | 97 | 129,637 | 1,540 | 832,534 |
| 22 | Furniture, cabinetmaking, repairing, and upholstering. | 13 | 23,655 | 2,200 | 1,300 | 3,725 | 16,430 | 14 | 7 | 3,810 | 27 | 16,450 |
| 23 | Hardware | 5 | 536,602 | 34,000 | 110,623 | 139,927 | 252,052 | 1 | 29 | 37,405 | 430 | 190,506 |
| 24 | Liquors, malt | 5 | 611,342 | 37,300 | 190,596 | 121,157 | 262,239 | 9 | 10 | 17,560 | 57 | 51,948 |
| 25 | Lock and gun smithing | 5 | 6,450 | 100 | 300 | 3,400 | 2,650 | 6 | 2 | 700 | 4 | 2,485 |
| 26 | Looking-glass and picture frames | 3 | 12,425 | | | 625 | 11,800 | 3 | 1 | 250 | 4 | 2,150 |
| 27 | Marble and stone work | 3 | 33,900 | 1,500 | 1,350 | 12,150 | 18,900 | 1 | 5 | 2,700 | 15 | 8,544 |
| 28 | Masonry, brick and stone | 21 | 131,029 | 15,150 | 14,050 | 10,748 | 91,081 | 23 | 8 | 7,350 | 283 | 159,791 |
| 29 | Mattresses and spring beds | 3 | 6,575 | | | 2,075 | 4,500 | 4 | | | 7 | 2,638 |
| 30 | Millinery, custom work | 14 | 39,310 | | | 1,235 | 38,075 | 17 | 4 | 1,550 | 84 | 29,225 |
| 31 | Mineral and soda waters | 3 | 32,075 | 6,000 | 3,825 | 11,700 | 11,150 | 10 | 1 | 800 | 14 | 7,750 |
| 32 | Models and patterns | 3 | 3,950 | | | 2,150 | 1,800 | 3 | | | 6 | 3,010 |
| 33 | Monuments and tombstones | 5 | 26,250 | 3,000 | 900 | 2,150 | 20,200 | 5 | 3 | 2,100 | 29 | 21,000 |
| 34 | Painting, house, sign, etc | 39 | 121,802 | 5,230 | 8,550 | 13,505 | 94,527 | 45 | 10 | 8,030 | 213 | 131,564 |
| 35 | Paper hanging | 4 | 5,575 | | | 775 | 4,800 | 6 | | | 32 | 17,405 |
| 36 | Paving and paving materials | 4 | 55,989 | 14,400 | 3,825 | 28,989 | 13,775 | 4 | 15 | 11,220 | 207 | 80,800 |
| 37 | Photography | 3 | 16,935 | | 200 | 11,210 | 5,575 | 9 | 1 | 520 | 7 | 3,240 |
| 38 | Plumbing, and gas and steam fitting | 36 | 143,128 | 2,000 | 2,400 | 20,325 | 118,403 | 42 | 22 | 9,651 | 209 | 119,207 |
| 39 | Printing and publishing, book and job. | 11 | 72,672 | 1,000 | 130 | 43,105 | 23,437 | 7 | 10 | 8,180 | 56 | 24,902 |
| 40 | Printing and publishing, newspapers and periodicals. | 7 | 356,182 | 47,000 | 55,690 | 144,580 | 108,912 | 3 | 34 | 34,074 | 83 | 57,331 |
| 41 | Roofing and roofing materials | 3 | 7,250 | | | 3,050 | 4,200 | 6 | | | 11 | 5,886 |
| 42 | Rubber and elastic goods | 4 | 507,200 | 50,000 | 50,000 | 140,700 | 266,500 | 1 | 27 | 41,260 | 337 | 127,411 |
| 43 | Saddlery and harness | 14 | 18,333 | | | 1,730 | 16,603 | 15 | 5 | 1,384 | 47 | 22,355 |
| 44 | Ship and boat building, wooden | 3 | 10,601 | | 1,000 | 2,784 | 6,817 | 6 | | | 24 | 17,685 |
| 45 | Shirts | 3 | 315,083 | 75,000 | 100,000 | 74,807 | 65,276 | 1 | 3 | 5,500 | 407 | 127,120 |
| 46 | Stamped ware | 3 | 50,000 | | | 24,000 | 26,000 | 2 | 4 | 2,200 | 66 | 23,900 |
| 47 | Steam fittings and heating apparatus | 3 | 332,146 | 20,000 | 56,061 | 51,403 | 254,632 | 1 | 24 | 33,771 | 154 | 79,179 |
| 48 | Tinsmithing, coppersmithing, and sheet-iron working. | 4 | 40,063 | 5,000 | 6,700 | 11,300 | 17,063 | 3 | 4 | 4,312 | 36 | 22,650 |
| 49 | Tobacco, cigars and cigarettes | 17 | 24,235 | 3,200 | 2,700 | 1,015 | 17,320 | 18 | 1 | 624 | 22 | 10,814 |
| 50 | Watch, clock, and jewelry repairing | 20 | 26,510 | 2,000 | 2,000 | 6,365 | 16,145 | 23 | | | 18 | 10,273 |
| 51 | Wirework, including wire rope and cable. | 4 | 245,549 | 13,000 | 44,038 | 105,633 | 76,878 | 3 | 8 | 11,301 | 55 | 22,257 |
| 52 | All other industries ¹ | 105 | 20,664,799 | 1,031,266 | 2,008,943 | 6,298,008 | 11,326,582 | 81 | 497 | 643,399 | 7,707 | 3,888,886 |

¹ Embraces ammunition, 1; awnings, tents, and sails, 2; belting and hose, leather, 1; bicycles and tricycles, 2; billiard tables and materials, 1; blacking, 1; bookbinding and blank book making, 1; boxes, fancy and paper, 2; brassware, 2; bridges, 1; brooms and brushes, 1; buttons, 1; cardboard, 1; carpets and rugs, other than rag, 1; carriages, rag, 2; carriage and wagon materials, 1; carriages and sleds, children's, 1; cars and general shop construction and repairs by steam railroad companies, 1; chemicals, 1; cleansing and polishing preparations, 1; coffee and spice, roasting and grinding, 1; coffins, burial cases, and undertakers' goods, 1; cooperage, 1; copper, smelting and refining, 1; cork, cutting, 1; crucibles, 1; electrical apparatus and supplies, 1; emery wheels, 1; engraving and desinking, 2; engraving, steel, including plate printing, 1; engraving, wood, 1; fancy articles, not elsewhere specified, 1; fertilizers, 1; firearms, 1; food preparations, 1; fur goods, 1; fur hats, 2; gas, illuminating and heating, 2; gas machines and meters, 1; glass, cutting, staining, and ornamenting, 1; hairwork, 2; hand stamps, 1; hats and caps, not including fur hats, and wool hats, 1; hosiery and knit goods, 1; house furnishing goods, not elsewhere specified, 1; ice, artificial, 1; iron and

HARTFORD.

| | | | | | | | | | | | | |
|----|---|-----|--------------|-------------|-------------|-------------|--------------|-----|-------|-------------|--------|-------------|
| 1 | All industries | 888 | \$30,500,047 | \$1,748,268 | \$5,016,138 | \$8,065,155 | \$15,670,486 | 950 | 1,267 | \$1,475,519 | 13,363 | \$7,603,899 |
| 2 | Awnings, tents, and sails | 3 | 12,840 | | | 1,190 | 11,650 | 7 | | | 13 | 5,988 |
| 3 | Bicycle and tricycle repairing | 17 | 20,745 | | | 11,645 | 9,100 | 19 | 2 | 2,500 | 23 | 10,777 |
| 4 | Bicycles and tricycles | 3 | 2,524,908 | 197,975 | 631,184 | 579,227 | 1,116,522 | | 212 | 192,437 | 1,213 | 728,054 |
| 5 | Blacksmithing and wheelwrighting | 33 | 45,704 | 8,250 | 1,230 | 11,744 | 24,480 | 41 | | | 70 | 46,749 |
| 6 | Bookbinding and blank book making | 3 | 5,048 | | | 2,822 | 2,226 | 3 | 1 | 720 | 14 | 6,804 |
| 7 | Boots and shoes, custom work and repairing. | 63 | 15,006 | | 735 | 6,295 | 7,976 | 63 | | | 23 | 12,625 |
| 8 | Bottling | 3 | 38,675 | | | 1,225 | 37,450 | 4 | 2 | 990 | 11 | 4,696 |
| 9 | Boxes, fancy and paper | 3 | 23,600 | | | 9,000 | 14,600 | 2 | 1 | 1,000 | 50 | 18,930 |
| 10 | Brass castings and brass finishing | 3 | 62,414 | 11,000 | 18,000 | 9,924 | 23,490 | 5 | 2 | 1,555 | 29 | 20,600 |
| 11 | Bread and other bakery products | 34 | 192,183 | 11,100 | 19,100 | 96,049 | 65,934 | 36 | 16 | 10,696 | 177 | 104,827 |
| 12 | Brick and tile | 7 | 114,025 | 45,900 | 18,200 | 19,925 | 30,000 | 8 | 2 | 1,240 | 68 | 30,800 |
| 13 | Carpentering | 69 | 513,663 | 42,430 | 60,600 | 45,831 | 364,802 | 88 | 18 | 14,118 | 821 | 551,967 |
| 14 | Carriages and wagons | 6 | 2,149,820 | 88,702 | 313,663 | 404,086 | 1,392,489 | 7 | 77 | 93,381 | 904 | 474,345 |
| 15 | Cleansing and polishing preparations | 4 | 7,510 | | | 245 | 7,265 | 3 | | | 13 | 5,399 |
| 16 | Clothing, men's, custom work and repairing. | 78 | 137,659 | | | 11,296 | 126,363 | 81 | 12 | 7,920 | 156 | 95,490 |
| 17 | Clothing, men's, factory product | 3 | 22,000 | | | 2,000 | 20,000 | 4 | 1 | 500 | 44 | 13,630 |
| 18 | Clothing, women's, dressmaking | 33 | 23,685 | | | 6,325 | 17,360 | 36 | 2 | 1,100 | 113 | 40,949 |
| 19 | Clothing, women's, factory product | 4 | 28,700 | 4,000 | 4,000 | 3,500 | 17,200 | 5 | | | 58 | 17,585 |
| 20 | Coffee and spice, roasting and grinding | 3 | 48,065 | 1,250 | 2,075 | 5,500 | 39,240 | 2 | 3 | 2,699 | 5 | 3,106 |
| 21 | Confectionery | 9 | 52,221 | | | 25,567 | 26,654 | 14 | 5 | 2,115 | 46 | 19,126 |

BY SPECIFIED INDUSTRIES: 1900—Continued.

BRIDGEPORT—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-----------|------------------------------|-----------|------------------------------|----------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average num- ber. | Wages. | Average num- ber. | Wages. | Average num- ber. | Wages. | | | | | | | | | | |
| 28 | \$18,000 | 352 | \$122,080 | | | \$6,876 | \$780 | \$549 | \$5,467 | \$80 | \$104,994 | \$103,805 | \$1,183 | \$417,035 | 12 |
| 13 | 8,565 | 4 | 1,440 | | | 2,053 | 1,580 | 51 | 422 | | 31,227 | 30,300 | 927 | 55,665 | 13 |
| 339 | 166,780 | 2,576 | 684,734 | 69 | \$26,000 | 162,823 | 4,130 | 11,887 | 146,806 | | 1,676,728 | 1,667,874 | 9,354 | 8,224,198 | 14 |
| 316 | 138,037 | 84 | 9,525 | | | 23,318 | 700 | 585 | 22,033 | | 105,160 | 101,710 | 8,450 | 364,324 | 15 |
| | | | | | | 343 | 145 | | 198 | | 1,083 | 1,063 | 20 | 3,319 | 16 |
| 5 | 2,830 | 2 | 990 | 1 | 144 | 1,909 | 1,777 | | 132 | | 1,133 | 828 | 305 | 14,070 | 17 |
| 4 | 1,728 | | | | | 214 | 205 | | 9 | | 6,004 | 5,979 | 25 | 11,987 | 18 |
| 19 | 8,612 | | | | | 1,494 | 1,279 | 40 | 175 | | 4,800 | 3,872 | 928 | 25,167 | 19 |
| 7 | 3,470 | | | | | 1,856 | 100 | 662 | 594 | | 101,448 | 100,273 | 1,175 | 121,020 | 20 |
| 1,501 | 823,400 | 15 | 4,520 | 24 | 4,614 | 152,535 | 15,394 | 8,765 | 121,001 | 7,375 | 876,527 | 815,489 | 61,038 | 2,412,796 | 21 |
| 24 | 15,540 | 3 | 910 | | | 2,854 | 1,544 | 102 | 1,203 | | 29,491 | 28,820 | 671 | 63,282 | 22 |
| 383 | 176,434 | 47 | 14,072 | | | 27,451 | 820 | 1,900 | 24,731 | | 320,071 | 313,375 | 6,696 | 642,920 | 23 |
| 57 | 51,948 | | | | | 216,023 | | 3,277 | 212,746 | | 107,816 | 98,865 | 9,451 | 521,489 | 24 |
| 4 | 2,485 | | | | | 1,015 | 878 | 16 | 121 | | 952 | 717 | 235 | 8,956 | 25 |
| 4 | 2,150 | | | | | 1,384 | 1,304 | | 80 | | 6,570 | 6,545 | 25 | 14,310 | 26 |
| 15 | 8,544 | | | | | 1,017 | 552 | 40 | 425 | | 6,653 | 5,518 | 1,135 | 24,825 | 27 |
| 283 | 159,791 | | | | | 11,790 | 2,370 | 513 | 3,907 | 5,000 | 140,235 | 139,744 | 551 | 391,463 | 28 |
| 6 | 2,143 | 1 | 545 | | | 1,037 | 532 | 15 | 490 | | 9,254 | 9,040 | 214 | 17,008 | 29 |
| 4 | 2,040 | 77 | 26,649 | 8 | 536 | 11,288 | 8,870 | 145 | 2,273 | | 90,820 | 90,231 | 589 | 163,016 | 30 |
| 14 | 7,750 | | | | | 2,538 | 580 | 181 | 1,777 | | 17,696 | 17,367 | 329 | 54,695 | 31 |
| 5 | 2,810 | | | 1 | 200 | 393 | 312 | 6 | 75 | | 1,474 | 1,304 | 170 | 10,885 | 32 |
| 29 | 21,000 | | | | | 1,791 | 486 | 54 | 451 | 800 | 23,674 | 23,562 | 112 | 60,490 | 33 |
| 217 | 131,264 | | | 1 | 300 | 9,627 | 6,352 | 547 | 2,478 | 250 | 104,581 | 104,061 | 520 | 329,566 | 34 |
| 32 | 17,405 | | | | | 649 | 685 | 20 | 143 | | 9,945 | 9,915 | 30 | 87,385 | 35 |
| 207 | 80,800 | | | | | 1,963 | 1,000 | 205 | 753 | | 46,630 | 44,530 | 2,100 | 171,875 | 36 |
| 5 | 2,460 | 2 | 780 | | | 3,158 | 2,720 | 68 | 364 | | 10,489 | 10,206 | 283 | 30,503 | 37 |
| 203 | 113,607 | 1 | 600 | | | 13,967 | 9,759 | 467 | 3,741 | | 221,427 | 219,921 | 1,506 | 452,697 | 38 |
| 49 | 22,886 | 7 | 2,016 | | | 6,818 | 2,670 | 150 | 3,493 | | 25,036 | 23,643 | 1,393 | 87,282 | 39 |
| 78 | 53,427 | 5 | 3,904 | | | 23,053 | 2,959 | 1,143 | 19,187 | 4,784 | 33,465 | 32,507 | 2,958 | 201,295 | 40 |
| 11 | 5,886 | | | | | 2,079 | 531 | | 1,548 | | 8,552 | 8,532 | 20 | 20,670 | 41 |
| 235 | 93,427 | 98 | 33,568 | 4 | 416 | 58,570 | 4,750 | 1,935 | 42,385 | 9,500 | 332,648 | 322,864 | 9,784 | 633,577 | 42 |
| 45 | 22,105 | 2 | 250 | | | 2,905 | 2,541 | 83 | 281 | | 35,508 | 35,129 | 379 | 78,794 | 43 |
| 24 | 17,685 | | | | | 2,020 | 1,700 | | 220 | 100 | 6,434 | 6,222 | 212 | 32,871 | 44 |
| 35 | 20,277 | 372 | 106,813 | | | 5,172 | 495 | 859 | 3,818 | | 151,835 | 148,262 | 3,573 | 343,202 | 45 |
| 39 | 17,000 | 27 | 6,900 | | | 2,664 | 2,110 | 64 | 490 | | 17,230 | 15,795 | 1,435 | 58,695 | 46 |
| 154 | 79,179 | | | | | 14,065 | 1,234 | 1,934 | 10,347 | 1,400 | 173,975 | 169,154 | 4,821 | 371,448 | 47 |
| 35 | 22,500 | | | 1 | 150 | 5,848 | 480 | 138 | 5,230 | | 84,130 | 83,581 | 549 | 86,700 | 48 |
| 19 | 9,814 | 2 | 800 | 1 | 200 | 6,279 | 1,175 | 113 | 4,991 | | 16,822 | 16,598 | 224 | 47,449 | 49 |
| 17 | 10,122 | | | 1 | 156 | 3,502 | 3,005 | 62 | 435 | | 8,328 | 7,900 | 428 | 41,721 | 50 |
| 51 | 21,537 | 4 | 720 | | | 11,192 | 204 | 501 | 10,487 | | 35,987 | 34,696 | 1,241 | 128,805 | 51 |
| 6,002 | 3,353,128 | 1,579 | 512,252 | 126 | 23,506 | 1,349,812 | 54,455 | 51,817 | 1,207,894 | 35,646 | 10,238,206 | 10,029,286 | 208,920 | 18,712,683 | 52 |

steel, 2; iron and steel forgings, 2; japanning, 1; lamps and reflectors, 1; leather goods, 1; leather, tanned, curried, and finished, 1; lumber, planing mill products, including sash, doors, and blinds, 2; millinery and lace goods, 1; musical instruments, organs and materials, 1; ordnance and ordnance stores, 1; paper and wood pulp, 1; patent medicines and compounds, 1; phonographs and graphophones, 1; photolithography and photoengraving, 1; plastering and stuccowork, 2; plated and britannia ware, 2; pottery, terra cotta, and fire-clay products, 1; printing materials, 2; sausage, 2; sewing machines and attachments, 2; silk and silk goods, 2; slaughtering and meat packing, wholesale, 2; slaughtering, wholesale, not including meat packing, 2; soap and candles, 1; sporting goods, 1; springs, steel, car, and carriage, 1; stereotyping and electrotyping, 1; taxidermy, 1; tools, not elsewhere specified, 1; toys and games, 1; typewriters and supplies, 1; typewriter repairing, 1; umbrellas and canes, 2; upholstering materials, 1; varnish, 2; wood, turned and carved, 2.

HARTFORD.

| | | | | | | | | | | | | | | | |
|--------|-------------|-------|-----------|----|----------|-------------|-----------|-----------|-------------|-------------|--------------|--------------|-----------|--------------|----|
| 11,597 | \$7,068,658 | 1,698 | \$521,065 | 68 | \$14,086 | \$3,375,585 | \$252,105 | \$118,180 | \$1,606,192 | \$1,339,108 | \$14,103,167 | \$13,791,041 | \$312,126 | \$31,145,715 | 1 |
| 6 | 3,610 | 7 | 2,378 | | | 999 | 645 | 21 | 333 | | 5,739 | 5,633 | 106 | 19,572 | 2 |
| 23 | 10,777 | | | | | 4,750 | 3,214 | 59 | 1,477 | | 14,168 | 13,598 | 570 | 47,203 | 3 |
| 1,176 | 719,414 | 2 | 490 | 85 | 8,150 | 223,418 | 960 | 11,510 | 210,948 | | 1,181,707 | 1,166,107 | 15,600 | 2,472,446 | 4 |
| 70 | 46,749 | | | | | 7,912 | 5,661 | 392 | 1,529 | 30 | 36,379 | 34,500 | 1,879 | 135,042 | 5 |
| 9 | 5,068 | 4 | 1,604 | 1 | 132 | 1,408 | 1,148 | 56 | 204 | | 2,691 | 2,460 | 181 | 14,619 | 6 |
| 23 | 12,025 | | | | | 9,237 | 8,258 | 9 | 970 | | 22,131 | 21,501 | 630 | 80,208 | 7 |
| 6 | 3,254 | 5 | 1,442 | | | 6,490 | 795 | 150 | 5,545 | | 9,152 | 9,020 | 132 | 99,375 | 8 |
| 10 | 5,870 | 40 | 18,000 | | | 1,983 | 1,630 | 83 | 270 | | 30,032 | 29,545 | 487 | 56,100 | 9 |
| 29 | 20,600 | | | | | 2,500 | 152 | 190 | 158 | 2,000 | 22,895 | 20,266 | 2,629 | 56,170 | 10 |
| 168 | 98,053 | 19 | 6,774 | | | 31,523 | 15,133 | 885 | 15,505 | | 297,775 | 289,413 | 8,362 | 541,956 | 11 |
| 68 | 30,800 | | | | | 4,094 | 80 | 524 | 3,490 | | 10,760 | 1,928 | 8,832 | 60,050 | 12 |
| 821 | 551,967 | | | | | 748,240 | 8,665 | 2,637 | 15,991 | 720,947 | 898,281 | 893,076 | 4,285 | 2,536,416 | 13 |
| 904 | 474,345 | | | | | 66,494 | 8,268 | 2,650 | 55,576 | | 699,080 | 668,090 | 30,990 | 1,333,115 | 14 |
| 8 | 4,202 | 5 | 1,137 | | | 3,835 | 439 | | 3,396 | | 4,112 | 4,082 | 50 | 14,225 | 15 |
| 132 | 87,920 | 22 | 7,800 | 2 | 270 | 87,468 | 22,027 | 196 | 6,620 | 58,625 | 216,349 | 214,646 | 1,703 | 510,982 | 16 |
| 8 | 4,050 | 36 | 9,580 | | | 2,527 | 1,100 | 15 | 1,412 | | 31,997 | 31,705 | 292 | 58,200 | 17 |
| 21 | 11,754 | 92 | 29,135 | | | 10,757 | 9,012 | 22 | 1,723 | | 56,457 | 55,721 | 736 | 139,558 | 18 |
| 7 | 2,756 | 51 | 14,829 | | | 938 | 646 | 132 | 715 | | 51,274 | 50,610 | 664 | 77,450 | 19 |
| 5 | 3,106 | | | | | 5,425 | 750 | 307 | 4,368 | | 102,723 | 101,348 | 1,375 | 136,134 | 20 |
| 31 | 16,006 | 15 | 3,120 | | | 12,442 | 5,700 | 102 | 6,580 | | 72,456 | 70,734 | 1,672 | 142,016 | 21 |

TABLE 8.—MANUFACTURES IN CITIES

HARTFORD—Continued.

| | MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|----|---|---------------------------|------------|---------|------------|-----------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and implements. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average number. | Wages. |
| 22 | Druggists' preparations, not including prescriptions. | 3 | \$3,725 | \$100 | \$200 | \$425 | \$3,000 | 4 | 1 | \$536 | 6 | \$2,050 |
| 23 | Dyeing and cleaning. | 7 | 80,227 | 6,000 | 10,500 | 9,500 | 4,227 | 7 | 1 | 1,600 | 43 | 17,974 |
| 24 | Electrical apparatus and supplies. | 7 | 586,434 | 25,000 | 64,985 | 81,530 | 414,919 | 3 | 29 | 54,221 | 341 | 128,472 |
| 25 | Electrical construction and repairs. | 7 | 81,937 | | | 4,025 | 27,012 | 11 | 5 | 2,724 | 40 | 25,892 |
| 26 | Flouring and grist mill products. | 3 | 109,125 | 24,000 | 33,500 | 19,925 | 26,700 | 5 | 13 | 15,857 | 26 | 15,839 |
| 27 | Foundry and machine shop products. | 36 | 6,666,056 | 450,523 | 1,287,185 | 2,133,792 | 2,794,556 | 19 | 156 | 295,468 | 2,603 | 1,588,313 |
| 28 | Fur goods. | 5 | 87,478 | | | 2,711 | 84,767 | 6 | 3 | 900 | 22 | 9,894 |
| 29 | Furniture, cabinetmaking, repairing, and upholstering. | 16 | 41,250 | 3,000 | 2,700 | 4,750 | 30,800 | 21 | | | 37 | 24,051 |
| 30 | Hairwork. | 4 | 1,665 | | | 865 | 800 | 4 | | | 5 | 1,873 |
| 31 | Hosiery and knit goods. | 3 | 33,267 | 2,500 | 5,000 | 9,767 | 10,000 | 6 | 5 | 4,258 | 52 | 16,015 |
| 32 | Liquors, malt. | 4 | 839,021 | 26,911 | 288,500 | 316,845 | 255,765 | 1 | 32 | 44,280 | 99 | 82,050 |
| 33 | Lock and gun smithing. | 4 | 2,800 | | | 1,250 | 1,550 | 4 | | | 3 | 1,584 |
| 34 | Looking-glass and picture frames. | 5 | 41,695 | | | 3,950 | 37,745 | 6 | 6 | 4,044 | 19 | 11,918 |
| 35 | Lumber, planing mill products, including sash, doors, and blinds. | 7 | 173,927 | 22,000 | 27,567 | 44,917 | 84,443 | 7 | 13 | 11,476 | 98 | 63,276 |
| 36 | Marble and stone work. | 3 | 17,250 | 3,000 | 1,000 | 4,850 | 3,400 | 7 | 1 | 425 | 25 | 16,191 |
| 37 | Masonry, brick and stone. | 19 | 235,010 | 46,700 | 30,000 | 13,450 | 139,860 | 24 | 8 | 7,102 | 429 | 292,157 |
| 38 | Millinery, custom work. | 15 | 96,125 | 7,500 | 14,000 | 3,135 | 71,490 | 25 | 1 | 600 | 113 | 42,543 |
| 39 | Mineral and soda waters. | 5 | 44,275 | 5,500 | 15,000 | 16,700 | 7,075 | 6 | 1 | 780 | 24 | 13,072 |
| 40 | Monuments and tombstones. | 5 | 44,950 | 6,600 | 8,000 | 6,100 | 24,250 | 7 | 7 | 3,760 | 37 | 26,976 |
| 41 | Optical goods. | 3 | 19,100 | | | 8,200 | 15,900 | 4 | | | 7 | 3,730 |
| 42 | Painting, house, sign, etc. | 41 | 105,239 | 5,000 | 7,700 | 16,088 | 76,441 | 47 | 8 | 6,176 | 203 | 139,855 |
| 43 | Patent medicines and compounds. | 6 | 33,125 | 4,600 | 13,800 | 1,875 | 12,850 | 7 | 4 | 3,330 | 4 | 1,956 |
| 44 | Paving and paving materials. | 5 | 148,378 | 5,000 | 5,000 | 84,991 | 103,887 | 3 | 13 | 19,000 | 114 | 58,451 |
| 45 | Photography. | 14 | 32,608 | | 150 | 19,286 | 13,172 | 14 | 5 | 2,800 | 28 | 15,475 |
| 46 | Plumbing, and gas and steam fitting. | 42 | 193,889 | | | 27,282 | 166,607 | 51 | 18 | 10,743 | 268 | 161,562 |
| 47 | Printing and publishing, book and job. | 38 | 1,023,315 | 92,000 | 143,400 | 273,045 | 514,870 | 35 | 49 | 55,293 | 442 | 236,111 |
| 48 | Printing and publishing, newspapers and periodicals. | 13 | 374,477 | 52,000 | 62,700 | 109,840 | 149,937 | 11 | 52 | 60,498 | 193 | 133,868 |
| 49 | Roofing and roofing materials. | 5 | 18,173 | 3,000 | 4,000 | 1,025 | 10,148 | 5 | 1 | 250 | 18 | 10,813 |
| 50 | Saddlery and harness. | 10 | 225,311 | 10,000 | 44,800 | 25,413 | 145,098 | 11 | 13 | 8,720 | 194 | 96,911 |
| 51 | Sheet-iron working, and sheet-iron working. | 15 | 53,556 | 2,000 | 6,250 | 9,325 | 35,481 | 15 | 7 | 4,178 | 61 | 39,838 |
| 52 | Tobacco, cigars and cigarettes. | 25 | 233,788 | 1,500 | 4,100 | 2,533 | 225,650 | 31 | 3 | 2,850 | 235 | 138,432 |
| 53 | Watch, clock, and jewelry repairing. | 30 | 23,220 | 500 | 500 | 10,925 | 11,235 | 40 | | | 21 | 17,909 |
| 54 | Wood, turned and carved. | 3 | 6,350 | | | 3,350 | 3,000 | 3 | 1 | 800 | 6 | 4,600 |
| 55 | All other industries. | 89 | 12,374,835 | 582,727 | 1,861,814 | 3,533,684 | 6,846,610 | 72 | 455 | 519,824 | 3,691 | 2,001,711 |

¹ Embraces baskets, and rattan and willow ware, 1; belting and hose, leather, 1; billiard tables and materials, 1; boots and shoes, factory product, 1; boxes, cigar, 1; boxes, wooden packing, 1; brooms and brushes, 2; carpets, rag, 1; carriage and wagon materials, 2; cars and general shop construction and repairs by steam railroad companies, 2; cars and general shop construction and repairs by street railroad companies, 1; coffins, burial cases, and undertakers' goods, 1; cotton goods, 1; dentists' materials, 1; electroplating, 2; engraving and diesinking, 2; engraving, steel, including plate printing, 1; engraving, wood, 1; envelopes, 2; fertilizers, 1; firearms, 1; flavoring extracts, 1; food preparations, 1; furniture, factory product, 2; furs, dressed, 1; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 1; gold and silver, cut and foil, 2; hand stamps, 2; hooks and eyes, 1; horseshoes, factory product, 1; ink, writing, 1; instruments, professional and scientific, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; iron and steel, pipe, wrought, 1; ironwork, architectural

MERIDEN.

| | | | | | | | | | | | | |
|----|---|-----|--------------|-------------|-------------|-------------|-------------|-----|-----|-----------|-------|-------------|
| 1 | All industries | 260 | \$16,699,004 | \$1,143,532 | \$2,053,290 | \$4,098,124 | \$9,404,058 | 262 | 435 | \$690,756 | 7,531 | \$3,702,240 |
| 2 | Bicycle and tricycle repairing | 6 | 8,905 | | | 6,000 | 2,905 | 9 | 1 | 600 | 7 | 3,050 |
| 3 | Blacksmithing and wheelwrighting | 14 | 20,775 | 8,800 | 3,600 | 3,115 | 5,260 | 15 | | | 18 | 10,720 |
| 4 | Boots and shoes, custom work and repairing. | 25 | 8,127 | | | 1,632 | 1,495 | 25 | | | 5 | 2,300 |
| 5 | Bottling | 4 | 8,925 | | | 1,300 | 7,625 | 5 | | | 8 | 4,820 |
| 6 | Bread and other bakery products. | 13 | 25,600 | 2,450 | 4,050 | 6,875 | 12,225 | 16 | 1 | 300 | 51 | 30,002 |
| 7 | Carpentering | 14 | 76,425 | 4,100 | 4,050 | 8,725 | 59,550 | 14 | 9 | 9,000 | 119 | 81,740 |
| 8 | Clothing, men's, custom work and repairing. | 16 | 22,500 | | | 3,510 | 18,990 | 16 | 1 | 1,000 | 48 | 25,950 |
| 9 | Clothing, women's, dressmaking | 17 | 5,720 | | | 1,300 | 4,420 | 18 | | | 33 | 9,522 |
| 10 | Confectionery | 3 | 4,600 | | | 2,200 | 2,400 | 3 | | | 10 | 4,730 |
| 11 | Cutlery and edge tools | 3 | 694,303 | 58,125 | 107,650 | 123,988 | 404,540 | 2 | 27 | 47,200 | 376 | 171,946 |
| 12 | Druggists' preparations, not including prescriptions. | 4 | 320 | | | 70 | 250 | 4 | | | | |
| 13 | Fancy articles, not elsewhere specified. | 4 | 192,239 | 200 | 13,640 | 26,416 | 152,033 | 3 | 19 | 28,315 | 120 | 37,975 |
| 14 | Foundry and machine shop products. | 5 | 294,443 | 36,365 | 92,383 | 105,500 | 60,245 | 6 | 9 | 9,042 | 148 | 60,702 |
| 15 | Hardware | 6 | 3,145,032 | 493,472 | 326,500 | 579,161 | 1,745,910 | 5 | 43 | 63,233 | 1,102 | 541,314 |
| 16 | Masonry, brick and stone | 7 | 233,303 | 61,298 | 29,872 | 7,084 | 140,654 | 7 | 19 | 21,684 | 161 | 85,216 |
| 17 | Millinery, custom work | 9 | 9,330 | | | 430 | 8,900 | 9 | | | 20 | 6,475 |
| 18 | Mineral and soda waters | 3 | 23,500 | 3,500 | 9,500 | 8,600 | 1,900 | 3 | | | 12 | 6,300 |
| 19 | Monuments and tombstones | 4 | 16,775 | 3,700 | 4,250 | 2,225 | 6,600 | 4 | | | 7 | 5,140 |
| 20 | Painting, house, sign, etc. | 8 | 32,225 | 4,000 | 3,500 | 3,350 | 21,375 | 8 | | | 77 | 50,280 |
| 21 | Photography | 4 | 6,200 | | | 3,600 | 2,600 | 5 | | | 8 | 1,500 |
| 22 | Plated and britannia ware. | 8 | 6,161,030 | 205,436 | 783,300 | 1,747,158 | 3,425,186 | 1 | 115 | 236,912 | 2,048 | 1,055,862 |
| 23 | Plumbing, and gas and steam fitting | 5 | 27,080 | | | 5,885 | 21,195 | 7 | 3 | 1,951 | 87 | 22,702 |
| 24 | Printing and publishing, book and job. | 6 | 69,559 | 6,000 | 7,000 | 33,050 | 24,509 | 3 | 8 | 6,364 | 38 | 20,243 |
| 25 | Saddlery and harness | 4 | 5,475 | | | 1,275 | 4,200 | 5 | | | 3 | 1,395 |

BY SPECIFIED INDUSTRIES: 1900—Continued.

HARTFORD—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-----------|------------------------------|---------|------------------------------|--------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 5 | \$1,686 | 1 | \$364 | | | \$750 | \$511 | \$20 | \$219 | | \$4,616 | \$4,486 | \$130 | \$9,917 | 22 |
| 28 | 12,252 | 20 | 5,722 | | | 2,912 | 1,492 | 170 | 1,250 | | 9,047 | 7,795 | 1,252 | 40,479 | 23 |
| 180 | 95,606 | 160 | 82,769 | 1 | \$97 | 46,655 | 8,590 | 2,108 | 40,957 | | 360,013 | 356,119 | 4,894 | 671,697 | 24 |
| 40 | 25,892 | | | | | 4,426 | 1,650 | 811 | 2,465 | | 65,521 | 65,353 | 168 | 116,620 | 25 |
| 22 | 14,784 | 4 | 1,055 | | | 4,960 | | 2,670 | 2,290 | | 844,359 | 338,085 | 6,274 | 404,834 | 26 |
| 2,550 | 1,528,098 | 44 | 8,705 | 9 | 1,510 | 185,723 | 18,576 | 21,575 | 185,424 | \$10,148 | 1,873,585 | 1,801,974 | 71,611 | 3,718,608 | 27 |
| 5 | 4,175 | 17 | 5,719 | | | 5,193 | 2,322 | 290 | 2,581 | | 32,301 | 32,151 | 150 | 62,499 | 28 |
| 37 | 24,051 | | | | | 4,798 | 3,044 | 182 | 1,567 | | 30,183 | 29,777 | 406 | 90,792 | 29 |
| 1 | 780 | 4 | 1,093 | | | 1,641 | 1,534 | | 107 | | 1,573 | 1,558 | 15 | 9,439 | 30 |
| 1 | 812 | 49 | 15,408 | 2 | 300 | 1,515 | 550 | 130 | 885 | | 25,999 | 25,824 | 175 | 59,710 | 31 |
| 99 | 82,050 | | | | | 329,106 | 1,200 | 7,022 | 320,884 | | 208,743 | 192,930 | 15,813 | 742,038 | 32 |
| 8 | 1,584 | | | | | 563 | 520 | 3 | 40 | | 1,001 | 816 | 185 | 7,000 | 33 |
| 18 | 11,543 | 1 | 375 | | | 2,654 | 1,531 | 158 | 965 | | 30,043 | 29,912 | 131 | 57,204 | 34 |
| 98 | 68,276 | | | | | 9,330 | 975 | 1,198 | 7,157 | | 311,178 | 308,575 | 2,603 | 430,091 | 35 |
| 25 | 16,191 | | | | | 1,935 | 175 | 60 | 1,700 | | 23,633 | 23,113 | 520 | 54,712 | 36 |
| 429 | 292,157 | | | | | 365,578 | 1,676 | 1,244 | 10,451 | 352,202 | 489,216 | 487,268 | 1,948 | 1,288,301 | 37 |
| 15 | 6,826 | 102 | 35,557 | 1 | 160 | 7,093 | 3,494 | 822 | 2,717 | | 152,221 | 151,856 | 365 | 261,695 | 38 |
| 24 | 13,072 | | | | | 3,471 | 120 | 254 | 3,097 | | 16,052 | 15,702 | 350 | 54,058 | 39 |
| 37 | 26,976 | | | | | 3,682 | 704 | 403 | 2,515 | | 45,387 | 45,229 | 158 | 95,798 | 40 |
| 7 | 3,730 | | | | | 3,835 | 2,350 | 85 | 1,450 | | 15,907 | 15,738 | 124 | 34,880 | 41 |
| 202 | 139,585 | 1 | 270 | | | 10,003 | 5,394 | 464 | 4,145 | | 79,244 | 78,709 | 535 | 301,947 | 42 |
| 3 | 1,756 | 1 | 200 | | | 3,753 | 200 | 153 | 3,400 | | 7,820 | 7,610 | 210 | 35,825 | 43 |
| 114 | 58,451 | | | | | 9,901 | 1,178 | 491 | 8,232 | | 161,862 | 158,417 | 3,445 | 290,512 | 44 |
| 21 | 12,464 | 6 | 2,836 | 1 | 175 | 9,755 | 7,329 | 78 | 2,348 | | 18,780 | 13,090 | 690 | 65,785 | 45 |
| 267 | 161,412 | | | 1 | 150 | 25,233 | 16,777 | 268 | 8,188 | | 326,419 | 324,571 | 1,848 | 626,827 | 46 |
| 331 | 202,847 | 108 | 33,250 | 3 | 514 | 151,533 | 15,784 | 4,432 | 35,154 | 96,163 | 252,420 | 247,997 | 4,423 | 876,854 | 47 |
| 182 | 127,828 | 11 | 6,540 | | | 111,754 | 6,345 | 3,057 | 87,654 | 14,698 | 79,649 | 71,189 | 8,460 | 454,850 | 48 |
| 18 | 10,813 | | | | | 1,037 | 372 | 55 | 610 | | 30,215 | 30,130 | 85 | 52,060 | 49 |
| 170 | 90,142 | 18 | 5,521 | 6 | 1,248 | 23,970 | 8,276 | 1,620 | 19,074 | | 213,088 | 211,805 | 1,283 | 386,129 | 50 |
| 60 | 39,682 | | | 1 | 156 | 5,196 | 3,123 | 129 | 1,943 | | 38,088 | 37,720 | 368 | 123,776 | 51 |
| 190 | 120,876 | 45 | 17,556 | | | 45,760 | 6,857 | 332 | 39,071 | | 164,333 | 163,903 | 430 | 391,584 | 52 |
| 20 | 17,709 | 1 | 200 | | | 7,983 | 5,631 | 52 | 750 | 1,500 | 10,339 | 9,988 | 351 | 58,472 | 53 |
| 6 | 4,600 | | | | | 879 | 555 | | 824 | | 6,056 | 5,820 | 236 | 15,755 | 54 |
| 2,879 | 1,748,466 | 807 | 257,021 | 5 | 1,224 | 750,584 | 39,427 | 48,844 | 580,018 | 82,795 | 5,413,238 | 5,311,873 | 101,365 | 10,123,671 | 55 |

and ornamental, 1; lithographing and engraving, 2; mattresses and spring beds, 1; models and patterns, 2; musical instruments and materials, not specified, 1; musical instruments, organs and materials, 1; needles and pins, 1; oil, not elsewhere specified, 1; paper hanging, 2; perfumery and cosmetics, 2; photolithographing and photoengraving, 1; pickles, preserves, and sauces, 1; plastering and stuccowork, 1; plated and britannia ware, 1; plumbers' supplies, 2; pocketbooks, 1; pottery, terra cotta, and fire-clay products, 2; rubber and elastic goods, 2; screws, machine, 2; screws, wood, 1; sewing machine repairing, 1; sewing machines and attachments, 2; ship and boat building, wooden, 1; shirts, 2; steam fittings and heating apparatus, 1; stencils and brands, 1; stereotyping and electrotyping, 1; tools, not elsewhere specified, 2; trunks and valises, 1; umbrellas and canes, 2; wirework, including wire rope and cable, 2; woodenware, not elsewhere specified, 1.

MERIDEN.

| | | | | | | | | | | | | | | | |
|-------|-------------|-------|-----------|----|----------|-------------|----------|----------|-----------|-----------|-------------|-------------|-----------|--------------|----|
| 6,021 | \$3,266,697 | 1,435 | \$420,506 | 75 | \$15,037 | \$1,085,142 | \$47,614 | \$31,540 | \$351,388 | \$104,600 | \$3,861,612 | \$5,686,116 | \$175,496 | \$13,485,640 | 1 |
| 7 | 3,050 | | | | | 1,650 | 945 | 30 | 675 | | 4,839 | 4,490 | 349 | 16,960 | 2 |
| 18 | 10,720 | | | | | 1,491 | 934 | 217 | 340 | | 8,160 | 7,522 | 638 | 32,534 | 3 |
| 5 | 2,300 | | | | | 2,025 | 1,898 | | 127 | | 5,955 | 5,698 | 257 | 22,158 | 4 |
| 8 | 4,820 | | | | | 1,694 | 900 | 24 | 770 | | 29,840 | 29,585 | 255 | 46,000 | 5 |
| 44 | 27,482 | 7 | 2,520 | | | 4,102 | 2,564 | 214 | 1,324 | | 60,722 | 58,548 | 2,179 | 128,500 | 6 |
| 119 | 81,740 | | | | | 25,051 | 1,375 | 229 | 2,847 | 20,600 | 118,457 | 117,590 | 867 | 264,750 | 7 |
| 41 | 24,100 | 7 | 1,850 | | | 3,665 | 2,474 | 143 | 1,048 | | 29,382 | 29,065 | 317 | 77,343 | 8 |
| 1 | 850 | 31 | 8,620 | 1 | 52 | 1,930 | 1,690 | 10 | 230 | | 8,810 | 8,496 | 314 | 32,015 | 9 |
| 7 | 3,740 | 8 | 1,050 | | | 2,200 | 1,620 | 120 | 460 | | 10,640 | 10,385 | 255 | 25,860 | 10 |
| 277 | 149,126 | 99 | 22,820 | | | 21,016 | 40 | 3,237 | 17,689 | | 137,292 | 133,355 | 3,937 | 408,493 | 11 |
| | | | | | | 409 | 200 | | 209 | | 955 | 915 | 40 | 2,980 | 12 |
| 49 | 22,145 | 69 | 15,350 | 2 | 480 | 17,206 | 950 | 459 | 15,797 | | 83,519 | 81,639 | 1,880 | 200,447 | 13 |
| 148 | 79,115 | 5 | 1,587 | | | 16,639 | | 2,310 | 14,329 | | 80,144 | 78,360 | 6,784 | 293,097 | 14 |
| 887 | 474,614 | 213 | 66,350 | 2 | 350 | 125,159 | 405 | 11,405 | 113,349 | | 635,158 | 602,348 | 32,805 | 1,619,149 | 15 |
| 161 | 85,216 | | | | | 94,172 | 400 | 981 | 10,791 | 82,000 | 219,358 | 218,901 | 457 | 455,289 | 16 |
| | | 20 | 6,475 | | | 2,522 | 2,165 | 37 | 320 | | 32,637 | 32,423 | 214 | 54,913 | 17 |
| 12 | 6,300 | | | | | 901 | | 185 | 716 | | 3,068 | 2,827 | 239 | 15,060 | 18 |
| 7 | 5,140 | | | | | 2,460 | 216 | 132 | 112 | 2,000 | 6,072 | 5,932 | 140 | 20,075 | 19 |
| 77 | 50,280 | | | | | 2,128 | 1,205 | 232 | 691 | | 31,475 | 31,207 | 268 | 107,650 | 20 |
| 2 | 1,100 | 1 | 400 | | | 2,283 | 1,600 | 48 | 635 | | 4,601 | 4,380 | 221 | 16,700 | 21 |
| 1,764 | 973,542 | 282 | 82,045 | 2 | 275 | 273,765 | 1,770 | 26,151 | 245,844 | | 1,871,232 | 1,844,032 | 27,200 | 4,129,896 | 22 |
| 37 | 22,702 | | | | | 2,843 | 2,011 | 214 | 618 | | 44,422 | 43,998 | 424 | 86,042 | 23 |
| 80 | 17,128 | 7 | 3,075 | 1 | 40 | 1,871 | 800 | 324 | 747 | | 14,114 | 13,512 | 602 | 51,955 | 24 |
| 3 | 1,395 | | | | | 498 | 444 | 11 | 43 | | 6,497 | 6,369 | 98 | 14,115 | 25 |

TABLE 8.—MANUFACTURES IN CITIES

MERIDEN—Continued.

| MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|---|---------------------------|-----------|---------|------------|-----------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | Total. | Land. | Buildings. | Machinery, tools, and implements. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | Average number. | Wages. |
| | | | | | | | | | | | |
| 26 Tinsmithing, coppersmithing, and sheet-iron working. | 3 | \$18,685 | \$1,500 | \$3,000 | \$1,650 | \$12,535 | 2 | 1 | \$1,200 | 15 | \$11,475 |
| 27 Tobacco, cigars and cigarettes. | 5 | 11,400 | | | 500 | 10,900 | 6 | 1 | 750 | 23 | 11,620 |
| 28 Watch, clock, and jewelry repairing. | 8 | 2,910 | | | 1,565 | 1,345 | 8 | | | 2 | 1,800 |
| 29 All other industries ¹ | 52 | 5,572,943 | 255,586 | 661,045 | 1,411,960 | 3,244,352 | 53 | 178 | 258,145 | 3,040 | 1,417,401 |

¹ Embraces awnings, tents, and sails, 1; boots and shoes, factory product, 1; boxes, fancy and paper, 2; boxes, wooden packing, 1; carriages and wagons, 2; clocks, 1; electrical apparatus and supplies, 1; engraving and diesinking, 1; engraving, wood, 2; flouring and grist mill products, 2; furniture, cabinetmaking, repairing, and upholstering, 2; gas and lamp fixtures, 2; gas, illuminating and heating, 1; glass, cutting, staining, and ornamenting, 1; gold and silver, reducing and refining, not from the ore, 1; hand stamps, 1; hardware, saddlery, 1; house furnishing goods, not elsewhere specified, 1; ironwork, architectural and ornamental, 1; lamps and reflectors, 2; leather goods, 1; liquors, malt, 2; lock and gun smithing, 1; looking-glass and picture frames, 2; lumber and timber products, 1; lumber,

NEW BRITAIN.

| | | | | | | | | | | | |
|---|-----|--------------|-----------|-------------|-------------|-------------|-----|-----|-----------|-------|-------------|
| 1 All industries | 226 | \$14,115,610 | \$789,464 | \$1,986,622 | \$3,130,174 | \$5,259,350 | 232 | 466 | \$545,057 | 8,438 | \$3,841,117 |
| 2 Bicycle and tricycle repairing | 9 | 17,100 | 4,100 | 3,050 | 6,675 | 3,275 | 13 | 2 | 1,230 | 4 | 2,550 |
| 3 Blacksmithing and wheelwrighting | 11 | 9,760 | 900 | 1,350 | 2,475 | 5,085 | 12 | | | 8 | 5,254 |
| 4 Boots and shoes, custom work and repairing. | 21 | 4,890 | 200 | 450 | 2,015 | 2,225 | 22 | | | 6 | 2,718 |
| 5 Bottling. | 7 | 19,300 | 6,500 | 6,300 | 975 | 5,525 | 9 | | | 14 | 7,578 |
| 6 Bread and other bakery products. | 7 | 87,000 | 13,500 | 13,000 | 3,900 | 6,600 | 9 | 6 | 1,720 | 42 | 21,532 |
| 7 Carpentering. | 19 | 111,393 | 33,200 | 31,800 | 5,883 | 40,510 | 21 | 1 | 1,200 | 144 | 81,828 |
| 8 Carriages and wagons. | 5 | 26,553 | 8,100 | 4,800 | 1,478 | 12,175 | 7 | 1 | 500 | 16 | 8,292 |
| 9 Clothing, men's, custom work and repairing. | 14 | 14,594 | | | 2,415 | 12,179 | 14 | | | 25 | 13,346 |
| 10 Clothing, women's, dressmaking | 3 | 1,800 | | | 600 | 1,200 | 3 | | | 5 | 1,668 |
| 11 Confectionery | 4 | 2,225 | | | 1,650 | 575 | 6 | 9 | 950 | 4 | 2,010 |
| 12 Flouring and grist mill products | 8 | 60,069 | 19,042 | 14,000 | 6,750 | 20,277 | 3 | 1 | 394 | 5 | 2,604 |
| 13 Foundry and machine shop products. | 8 | 729,825 | 74,000 | 142,089 | 180,295 | 324,441 | 2 | 31 | 40,589 | 540 | 269,007 |
| 14 Furniture, cabinetmaking, repairing, and upholstering. | 5 | 4,750 | 400 | 400 | 2,750 | 1,200 | 7 | | | 6 | 3,331 |
| 15 Hardware | 7 | 7,648,350 | 277,751 | 1,095,402 | 1,886,403 | 4,388,794 | 1 | 264 | 287,947 | 4,111 | 1,841,335 |
| 16 Marble and stone work | 4 | 29,850 | 9,800 | 4,600 | 950 | 14,500 | 4 | | | 26 | 9,480 |
| 17 Masonry, brick and stone | 5 | 16,500 | 5,250 | 1,650 | 3,050 | 6,550 | 8 | | | 55 | 22,179 |
| 18 Millinery, custom work | 6 | 15,373 | | | 430 | 14,943 | 8 | 6 | 2,800 | 27 | 8,488 |
| 19 Mineral and soda waters | 4 | 7,200 | 500 | 100 | 4,350 | 2,250 | 4 | | | 7 | 3,100 |
| 20 Painting, house, sign, etc | 8 | 38,680 | 2,200 | 2,400 | 2,360 | 31,730 | 9 | 2 | 1,332 | 63 | 38,724 |
| 21 Photography | 4 | 7,600 | | | 5,300 | 2,300 | 6 | 1 | 500 | 4 | 1,291 |
| 22 Plumbing, and gas and steam fitting. | 11 | 48,941 | 9,000 | 15,000 | 3,275 | 21,665 | 12 | 5 | 3,658 | 35 | 20,256 |
| 23 Printing and publishing, book and job. | 3 | 18,734 | | | 14,000 | 4,734 | 2 | 2 | 1,214 | 13 | 5,759 |
| 24 Printing and publishing, newspapers and periodicals. | 6 | 112,332 | 7,000 | 16,000 | 64,243 | 25,089 | 4 | 8 | 6,096 | 69 | 40,599 |
| 25 Saddlery and harness | 3 | 15,650 | | | 650 | 15,000 | 3 | | | 8 | 1,750 |
| 26 Tobacco, cigars and cigarettes. | 6 | 14,555 | 600 | 1,200 | 550 | 12,205 | 6 | 2 | 1,800 | 29 | 14,494 |
| 27 Watch, clock, and jewelry repairing. | 6 | 2,365 | | | 1,750 | 615 | 6 | | | 4 | 2,760 |
| 28 All other industries ¹ | 37 | 5,109,221 | 267,421 | 633,031 | 925,012 | 3,283,757 | 31 | 125 | 193,627 | 3,178 | 1,409,156 |

¹ Embraces bookbinding and blank book making, 2; boxes, fancy and paper, 2; brass castings and brass finishing, 1; brassware, 1; brick and tile, 2; carriage and wagon materials, 1; cordials and sirups, 1; cutlery and edge tools, 2; dyeing and cleaning, 1; electrical apparatus and supplies, 1; fish, canning and preserving, 1; gas, illuminating and heating, 1; hardware, saddlery, 1; hosiery and knit goods, 2; ice, artificial, 1; jewelry, 1; looking-glass and picture frames, 2; lum-

NEW HAVEN.

| | | | | | | | | | | | |
|--|-------|--------------|-------------|-------------|-------------|--------------|-------|-------|-------------|--------|--------------|
| 1 All industries | 1,236 | \$30,463,066 | \$2,510,818 | \$3,645,198 | \$7,850,302 | \$16,457,243 | 1,269 | 1,600 | \$1,590,241 | 20,536 | \$10,016,571 |
| 2 Awnings, tents, and sails | 5 | 27,075 | | | 2,300 | 24,775 | 5 | 2 | 1,950 | 27 | 13,885 |
| 3 Bicycle and tricycle repairing | 28 | 53,771 | 1,000 | 200 | 20,400 | 32,171 | 23 | 2 | 312 | 35 | 20,111 |
| 4 Blacksmithing and wheelwrighting | 55 | 103,648 | 35,025 | 29,576 | 13,440 | 31,607 | 63 | 1 | 1,200 | 77 | 48,444 |
| 5 Boots and shoes, custom work and repairing. | 105 | 29,040 | 6,300 | 4,315 | 7,389 | 17,036 | 106 | | | 36 | 15,183 |
| 6 Bottling. | 40 | 68,482 | 16,060 | 9,150 | 12,817 | 30,455 | 43 | 4 | 3,920 | 33 | 17,401 |
| 7 Boxes, fancy and paper | 6 | 695,371 | 8,000 | 14,287 | 331,995 | 341,089 | | 39 | 46,968 | 608 | 197,503 |
| 8 Brass castings and brass finishing. | 4 | 144,376 | 44,830 | 35,737 | 35,864 | 28,395 | 3 | 5 | 2,875 | 25 | 17,512 |
| 9 Bread and other bakery products. | 41 | 679,278 | 61,010 | 143,450 | 213,514 | 161,304 | 43 | 50 | 39,785 | 279 | 158,365 |
| 10 Carpentering | 62 | 297,037 | 39,765 | 49,375 | 44,491 | 163,406 | 66 | 21 | 17,346 | 375 | 245,452 |
| 11 Carriage and wagon materials | 6 | 299,916 | 19,725 | 57,913 | 78,345 | 148,935 | 6 | 23 | 21,127 | 166 | 87,814 |
| 12 Carriages and wagons | 24 | 1,672,171 | 151,912 | 300,925 | 95,260 | 1,124,074 | 25 | 35 | 45,446 | 724 | 509,522 |
| 13 Cars and general shop construction and repairs by steam railroad companies. | 4 | 1,108,430 | 247,000 | 103,450 | 233,291 | 474,689 | | 71 | 51,375 | 1,102 | 678,323 |
| 14 Clothing, men's, custom work and repairing. | 85 | 232,198 | 3,800 | 2,200 | 11,111 | 215,087 | 96 | 7 | 7,250 | 218 | 129,054 |
| 15 Clothing, men's, factory product | 3 | 9,589 | | | 400 | 9,189 | 5 | | | 15 | 4,674 |
| 16 Clothing, women's, dressmaking | 62 | 54,020 | 7,700 | 1,800 | 8,285 | 37,835 | 68 | 9 | 6,670 | 192 | 63,941 |
| 17 Clothing, women's, factory product | 3 | 23,700 | | | 2,200 | 21,500 | 4 | 2 | 2,000 | 29 | 12,900 |
| 18 Confectionery | 18 | 289,381 | 29,700 | 64,766 | 65,577 | 129,338 | 18 | 39 | 25,090 | 103 | 45,859 |
| 19 Corsets | 8 | 1,056,885 | 58,000 | 123,497 | 137,500 | 732,882 | 19 | 142 | 98,905 | 1,493 | 523,583 |
| 20 Dyeing and cleaning | 4 | 1,165 | | | 640 | 525 | 4 | 2 | 1,000 | 6 | 2,032 |
| 21 Electrical construction and repairs | 3 | 6,125 | | | 725 | 5,400 | 3 | 4 | 2,156 | 10 | 5,578 |

BY SPECIFIED INDUSTRIES: 1900—Continued.

MERIDEN—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-----------|------------------------------|-----------|------------------------------|--------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average num- ber. | Wages. | Average num- ber. | Wages. | Average num- ber. | Wages. | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 15 | \$11,475 | | | | | \$758 | \$584 | \$62 | \$112 | | \$10,090 | \$9,885 | \$205 | \$29,300 | 26 |
| 20 | 10,870 | | | 3 | \$750 | 4,320 | 558 | 55 | 3,707 | | 10,759 | 10,581 | 228 | 32,395 | 27 |
| 2 | 1,800 | | | | | 1,098 | 954 | 2 | 142 | | 1,143 | 1,035 | 108 | 8,855 | 28 |
| 2,285 | 1,195,947 | 691 | \$208,364 | 64 | 13,090 | 471,286 | 18,912 | 34,658 | 417,716 | | 2,392,308 | 2,298,093 | 94,215 | 5,293,104 | 29 |

planing mill products, including sash, doors, and blinds, 1; musical instruments and materials, not specified, 1; musical instruments, pianos and materials, 2; paving and paving materials, 1; photolithography and photoengraving, 2; printing and publishing, newspapers and periodicals, 2; roofing and roofing materials, 1; sausage, 1; smelting and refining, not from the ore, 1; soap and candles, 1; starch, 1; varnish, 1; window shades, 1; wood, turned and carved, 1; woolen goods, 1.

NEW BRITAIN.

| | | | | | | | | | | | | | | | |
|-------|-------------|-------|-----------|-----|----------|-----------|----------|----------|-----------|-----------|-------------|-------------|-----------|--------------|----|
| 6,542 | \$3,849,085 | 1,681 | \$442,228 | 215 | \$49,804 | \$956,848 | \$36,019 | \$73,294 | \$642,416 | \$205,119 | \$5,074,396 | \$4,863,305 | \$211,091 | \$12,260,782 | 1 |
| 4 | 2,550 | | | | | 1,183 | 718 | 76 | 289 | 100 | 11,270 | 10,927 | 343 | 26,850 | 2 |
| 8 | 5,254 | | | | | 1,008 | 845 | 29 | 134 | | 6,467 | 6,098 | 369 | 25,420 | 3 |
| 6 | 2,718 | | | | | 1,638 | 1,554 | 9 | 70 | | 7,161 | 6,894 | 267 | 21,107 | 4 |
| 14 | 7,573 | | | | | 945 | 380 | 211 | 354 | | 42,988 | 42,925 | 68 | 63,000 | 5 |
| 42 | 21,632 | | | | | 2,854 | 1,764 | 366 | 724 | | 72,210 | 70,280 | 1,930 | 117,067 | 6 |
| 144 | 81,828 | | | | | 202,245 | 580 | 668 | 906 | 200,091 | 193,008 | 197,770 | 233 | 528,425 | 7 |
| 16 | 8,292 | | | | | 1,170 | 690 | 224 | 256 | | 9,848 | 8,962 | 886 | 27,655 | 8 |
| 22 | 12,649 | 3 | 797 | | | 3,340 | 2,264 | 11 | 565 | 500 | 15,912 | 15,478 | 434 | 46,002 | 9 |
| 1 | 700 | 4 | 968 | | | 390 | 370 | | 20 | | 5,212 | 5,200 | 12 | 11,015 | 10 |
| 4 | 2,040 | | | | | 1,762 | 1,440 | 18 | 304 | | 3,957 | 3,758 | 199 | 14,900 | 11 |
| 5 | 2,604 | | | | | 757 | | 257 | 500 | | 57,625 | 57,126 | 499 | 71,789 | 12 |
| 534 | 267,884 | 6 | 1,623 | | | 53,716 | 120 | 4,952 | 48,129 | 515 | 167,941 | 144,485 | 23,506 | 676,571 | 13 |
| 6 | 8,334 | | | | | 992 | 903 | 19 | 70 | | 6,912 | 6,815 | 97 | 16,120 | 14 |
| 3,396 | 1,686,396 | 584 | 134,131 | 131 | 20,808 | 437,327 | 6,000 | 35,192 | 396,135 | | 2,483,800 | 2,387,116 | 96,184 | 5,796,636 | 15 |
| 26 | 9,480 | | | | | 468 | 60 | 212 | 196 | | 30,584 | 30,560 | 24 | 47,900 | 16 |
| 55 | 22,179 | | | | | 1,792 | 125 | 82 | 85 | 1,500 | 39,971 | 39,941 | 30 | 84,114 | 17 |
| 7 | 3,100 | 27 | 8,488 | | | 5,538 | 4,332 | 131 | 1,075 | | 42,135 | 42,135 | 100 | 72,400 | 18 |
| 63 | 38,724 | | | | | 701 | 540 | 22 | 139 | | 5,449 | 5,264 | 185 | 16,950 | 19 |
| 1 | 425 | 3 | 866 | | | 2,057 | 1,294 | 252 | 511 | | 29,975 | 29,753 | 217 | 92,905 | 20 |
| 35 | 20,256 | | | | | 2,080 | 1,394 | 51 | 635 | | 4,066 | 3,905 | 161 | 14,600 | 21 |
| 11 | 5,447 | | | 2 | 312 | 1,976 | 1,369 | 80 | 327 | 200 | 43,786 | 43,535 | 251 | 92,709 | 22 |
| 62 | 38,678 | 2 | 1,800 | 5 | 621 | 1,277 | 762 | 76 | 449 | | 7,044 | 6,639 | 405 | 19,817 | 23 |
| | | | | | | 5,816 | 1,256 | 389 | 3,171 | 1,000 | 23,066 | 21,710 | 1,356 | 89,614 | 24 |
| 8 | 1,750 | | | | | 1,154 | 960 | 54 | 140 | | 2,920 | 2,890 | 30 | 8,450 | 25 |
| 25 | 13,094 | 4 | 1,400 | | | 5,434 | 1,000 | 87 | 4,347 | | 12,426 | 12,323 | 103 | 44,601 | 26 |
| 4 | 2,760 | | | | | 1,495 | 1,196 | 39 | 260 | | 1,490 | 1,480 | 10 | 9,700 | 27 |
| 2,048 | 1,088,438 | 1,048 | 292,655 | 77 | 28,063 | 217,738 | 4,113 | 29,787 | 182,625 | 1,218 | 1,743,078 | 1,659,381 | 83,697 | 4,224,255 | 28 |

ber, planing mill products, including sash, doors, and blinds, 2; mattresses and spring beds, 1; models and patterns, 1; monuments and tombstones, 1; needles and pins, 1; photolithography and photoengraving, 1; rubber and elastic goods, 2; shirts, 1; soap and candles, 1; stamped ware, 1; surgical appliances, 1; tinsmithing, coppersmithing, and sheet-iron working, 1.

NEW HAVEN.

| | | | | | | | | | | | | | | | |
|--------|-------------|-------|-------------|-----|----------|-------------|-----------|-----------|-------------|-----------|--------------|--------------|-----------|--------------|----|
| 15,898 | \$8,547,842 | 4,884 | \$1,428,956 | 259 | \$40,273 | \$3,181,004 | \$289,483 | \$193,099 | \$2,277,087 | \$421,835 | \$18,498,593 | \$18,026,797 | \$466,796 | \$40,762,015 | 1 |
| 19 | 11,625 | 8 | 2,260 | | | 2,176 | 1,258 | 80 | 838 | | 22,702 | 22,397 | 805 | 50,880 | 2 |
| 88 | 20,111 | | | | | 5,861 | 3,406 | 108 | 1,942 | 405 | 42,464 | 41,285 | 1,179 | 80,967 | 3 |
| 76 | 43,144 | | | 1 | 800 | 9,652 | 7,322 | 891 | 1,434 | 5 | 44,564 | 42,895 | 2,169 | 165,019 | 4 |
| 35 | 15,028 | | | 1 | 165 | 10,945 | 9,528 | 186 | 1,159 | 72 | 32,058 | 30,911 | 1,147 | 108,274 | 5 |
| 33 | 17,401 | | | | | 9,979 | 5,141 | 540 | 4,293 | | 80,426 | 80,035 | 391 | 163,399 | 6 |
| 217 | 102,733 | 371 | 92,520 | 15 | 2,250 | 30,973 | 20,524 | 1,244 | 9,205 | | 394,539 | 390,287 | 4,802 | 866,584 | 7 |
| 25 | 17,512 | | | | | 4,588 | 1,360 | 1,122 | 2,106 | | 116,831 | 114,676 | 2,155 | 123,830 | 8 |
| 243 | 147,576 | 34 | 10,250 | 2 | 539 | 65,844 | 12,229 | 3,795 | 49,820 | | 512,928 | 502,018 | 10,910 | 943,872 | 9 |
| 375 | 245,452 | | | | | 72,768 | 5,140 | 1,295 | 9,067 | 57,266 | 411,383 | 408,386 | 2,997 | 830,100 | 10 |
| 163 | 86,847 | 3 | 967 | | | 42,394 | 2,890 | 2,019 | 26,368 | 11,117 | 141,203 | 136,197 | 5,006 | 341,421 | 11 |
| 717 | 506,077 | 7 | 3,445 | | | 62,299 | 5,863 | 11,958 | 43,514 | 1,464 | 527,526 | 517,722 | 9,804 | 1,384,843 | 12 |
| 1,096 | 676,121 | 6 | 2,207 | | | 36,450 | | | 36,450 | | 833,957 | 825,563 | 8,394 | 1,600,110 | 13 |
| 195 | 124,224 | 12 | 3,198 | 11 | 1,632 | 107,928 | 25,283 | 1,132 | 8,501 | 73,012 | 247,168 | 245,036 | 2,082 | 656,817 | 14 |
| 6 | 2,814 | 9 | 2,360 | | | 790 | 422 | 10 | 283 | 125 | 20,825 | 20,720 | 105 | 28,980 | 15 |
| 17 | 11,400 | 171 | 52,058 | 4 | 483 | 18,873 | 8,250 | 157 | 1,276 | 4,190 | 97,887 | 96,126 | 1,761 | 255,149 | 16 |
| 8 | 6,750 | 21 | 6,150 | | | 2,246 | 1,280 | 121 | 845 | | 42,900 | 42,850 | 50 | 70,550 | 17 |
| 71 | 36,769 | 32 | 9,090 | | | 37,670 | 8,300 | 1,672 | 27,598 | | 188,937 | 185,207 | 3,730 | 396,331 | 18 |
| 166 | 105,634 | 1,297 | 416,699 | 30 | 6,250 | 34,031 | 1,923 | 4,259 | 27,849 | | 950,680 | 943,327 | 7,353 | 1,893,956 | 19 |
| 5 | 1,732 | 1 | 300 | | | 1,596 | 1,476 | | 120 | | 660 | 660 | 200 | 9,271 | 20 |
| 10 | 5,678 | | | | | 1,220 | 741 | 18 | 461 | | 13,778 | 13,768 | 10 | 29,385 | 21 |

TABLE 8.—MANUFACTURES IN CITIES

NEW HAVEN—Continued.

| MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|--|---------------------------|------------|----------|------------|-----------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | Total. | Land. | Buildings. | Machinery, tools, and implements. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | Average number. | Wages. |
| 22 Electroplating | 4 | \$5,260 | | | \$3,300 | \$1,960 | 6 | | | 8 | \$4,188 |
| 23 Engraving, wood | 3 | 2,950 | | | 975 | 1,975 | 3 | | | | |
| 24 Food preparations | 3 | 103,439 | \$43,810 | \$20,000 | 11,500 | 28,129 | 11 | \$7,144 | | 41 | 16,108 |
| 25 Foundry and machine shop products | 34 | 2,305,630 | 249,305 | 204,567 | 496,591 | 1,855,167 | 24 | 108,550 | | 911 | 506,984 |
| 26 Fur goods | 8 | 86,445 | | | 2,185 | 84,260 | 9 | 1,520 | | 86 | 16,168 |
| 27 Furniture, cabinetmaking, repairing, and upholstering. | 30 | 90,814 | 10,700 | 7,100 | 28,138 | 44,876 | 28 | 7 | 6,744 | 108 | 49,049 |
| 28 Furniture, factory product | 4 | 144,039 | 5,000 | 7,500 | 22,432 | 109,107 | 3 | 18 | 15,372 | 50 | 25,100 |
| 29 Glass, cutting, staining, and ornamenting. | 4 | 7,900 | | | 2,200 | 5,700 | 4 | 1 | 100 | 10 | 7,300 |
| 30 Hairwork | 4 | 1,115 | | | 65 | 1,050 | 4 | 1 | 150 | 2 | 400 |
| 31 Hardware | 12 | 2,727,971 | 246,790 | 449,822 | 638,635 | 1,397,724 | 9 | 95 | 105,056 | 2,110 | 878,044 |
| 32 Hats and caps, not including fur hats, and wool hats. | 7 | 18,900 | | | 2,100 | 16,800 | 7 | 1 | 400 | 27 | 12,289 |
| 33 Lamps and reflectors | 3 | 44,269 | | | 9,550 | 34,719 | 4 | 3 | 1,372 | 30 | 17,754 |
| 34 Liquors, malt | 4 | 929,076 | 86,150 | 271,250 | 231,534 | 341,142 | 3 | 20 | 40,348 | 94 | 80,016 |
| 35 Lock and gun smithing | 10 | 20,425 | | | 4,300 | 16,125 | 11 | | | 13 | 7,316 |
| 36 Looking-glass and picture frames | 7 | 36,040 | | | 715 | 35,325 | 9 | | | 12 | 6,930 |
| 37 Lumber, planing mill products, including sash, doors, and blinds. | 5 | 631,559 | 239,200 | 67,100 | 65,451 | 259,808 | 1 | 21 | 26,993 | 137 | 64,470 |
| 38 Marble and stone work | 6 | 194,555 | 30,000 | 54,977 | 16,758 | 92,820 | 9 | 6 | 4,500 | 347 | 158,220 |
| 39 Masonry, brick and stone | 17 | 164,608 | 7,050 | 7,225 | 81,575 | 118,758 | 20 | 15 | 17,980 | 493 | 160,169 |
| 40 Mattresses and spring beds | 3 | 63,141 | | | 25,777 | 37,364 | 4 | 6 | 6,250 | 30 | 14,470 |
| 41 Millinery, custom work | 27 | 93,370 | 2,200 | 3,250 | 2,245 | 85,675 | 35 | 27 | 4,544 | 111 | 45,897 |
| 42 Mineral and soda waters | 7 | 65,275 | 4,300 | 14,200 | 23,300 | 22,975 | 8 | 12 | 7,240 | 27 | 12,294 |
| 43 Models and patterns | 3 | 10,050 | 2,000 | 1,000 | 2,450 | 4,600 | 3 | | | 6 | 4,300 |
| 44 Monuments and tombstones | 8 | 64,886 | 18,075 | 6,875 | 4,317 | 35,619 | 9 | 1 | 377 | 34 | 18,014 |
| 45 Painting, house, sign, etc | 33 | 41,937 | 1,400 | 500 | 9,602 | 30,435 | 38 | 8 | 4,350 | 136 | 78,400 |
| 46 Paper hanging | 8 | 18,065 | 60 | 150 | 1,980 | 15,875 | 8 | 5 | 3,360 | 56 | 35,797 |
| 47 Patent medicines and compounds | 16 | 138,266 | 500 | 2,350 | 10,090 | 125,326 | 11 | 70 | 31,077 | 34 | 12,909 |
| 48 Paving and paving materials | 7 | 52,404 | 14,200 | 13,325 | 9,150 | 15,819 | 8 | 3 | 2,500 | 59 | 31,156 |
| 49 Photography | 16 | 32,449 | | | 16,427 | 16,022 | 19 | 2 | 676 | 25 | 14,268 |
| 50 Pickles, preserves, and sauces | 3 | 84,820 | 3,800 | 5,700 | 4,300 | 21,529 | 2 | 7 | 3,454 | 20 | 8,558 |
| 51 Plumbing, and gas and steam fitting | 52 | 375,671 | 45,150 | 34,000 | 47,660 | 248,961 | 62 | 31 | 33,481 | 355 | 224,432 |
| 52 Pottery, terra cotta, and fire-clay products. | 3 | 45,245 | 9,500 | 10,500 | 4,700 | 20,545 | 2 | 8 | 10,476 | 36 | 17,440 |
| 53 Printing and publishing, book and job | 35 | 513,982 | 38,200 | 65,950 | 261,360 | 148,482 | 41 | 47 | 31,474 | 285 | 127,832 |
| 54 Printing and publishing, newspapers and periodicals. | 15 | 235,312 | | | 162,577 | 72,735 | 9 | 43 | 48,545 | 127 | 91,830 |
| 55 Roofing and roofing materials | 3 | 8,475 | 3,000 | 1,300 | 1,675 | 2,500 | 3 | 1 | 312 | 10 | 7,490 |
| 56 Saddlery and harness | 13 | 36,882 | 2,000 | 1,500 | 4,765 | 28,617 | 19 | | | 36 | 21,150 |
| 57 Sewing machines and attachments | 3 | 338,550 | 6,000 | 45,000 | 166,600 | 120,950 | 3 | 10 | 10,360 | 529 | 237,400 |
| 58 Ship and boat building, wooden | 6 | 17,400 | 5,500 | 1,500 | 8,600 | 6,300 | 5 | | | 11 | 7,190 |
| 59 Shirts | 6 | 18,614 | 100 | 225 | 2,470 | 10,819 | 4 | 4 | 2,000 | 23 | 8,548 |
| 60 Starch | 7 | 375,200 | 19,500 | 21,350 | 157,145 | 177,205 | 6 | 92 | 57,180 | 111 | 39,578 |
| 61 Tinsmithing, coppersmithing, and sheet-iron working. | 22 | 70,932 | 7,150 | 9,600 | 3,894 | 45,933 | 22 | 4 | 4,600 | 81 | 50,939 |
| 62 Tobacco, cigars and cigarettes | 36 | 150,625 | 12,950 | 29,100 | 5,025 | 112,550 | 41 | 3 | 3,400 | 313 | 183,310 |
| 63 Toys and games | 4 | 97,365 | 3,200 | 6,300 | 20,817 | 67,048 | 3 | 8 | 7,756 | 66 | 23,721 |
| 64 Varnish | 3 | 31,482 | 400 | 800 | 6,572 | 23,710 | 3 | 4 | 2,000 | 8 | 1,907 |
| 65 Watch, clock, and jewelry repairing | 39 | 22,708 | 80 | 120 | 10,443 | 12,065 | 46 | 2 | 500 | 27 | 16,946 |
| 66 Wirework, including wire rope and cable. | 5 | 165,263 | 0,450 | 16,000 | 48,647 | 91,166 | 6 | 12 | 17,560 | 175 | 58,417 |
| 67 All other industries ¹ | 119 | 13,117,295 | 655,271 | 1,259,871 | 3,064,272 | 7,237,881 | 101 | 440 | 585,165 | 7,841 | 3,814,792 |

¹ Embraces agricultural implements, 1; ammunition, 1; artificial limbs, 1; bags, paper, 1; bicycles and tricycles, 1; billiard tables and materials, 1; bluing, 1; bookbinding and blank book making, 1; boots and shoes, factory product, 1; boots and shoes, rubber, 1; boxes, cigar, 1; boxes, wooden packing, 1; brass, 1; brassware, 2; bridges, 1; brooms and brushes, 1; buttons, 2; card cutting and designing, 1; carpets, rag, 1; carriages and sleds, children's, 1; cars and general shop construction and repairs by street railroad companies, 1; cheese and butter, urban dairy products, 1; cheese, butter, and condensed milk, factory product, 2; cleansing and polishing preparations, 2; clocks, 1; coffee and spice, roasting and grinding, 2; coffins, burial cases, and undertakers' goods, 1; cooperage, 2; cork, cutting, 1; cotton goods, 1; cutlery and edge tools, 1; druggists' preparations, not including prescriptions, 1; dyeing and finishing textiles, 1; enameling and enameled goods, 1; engraving and die-sinking, 2; engraving, steel, including plate printing, 2; fertilizers, 1; files, 1; firearms, 2; flavoring extracts, 2; flouring and grist mill products, 1; fur hats, 1; gas, illuminating and heating, 1; gas machines and meters, 1; gas and oil stoves, 1; glue, 1; grease and tallow, 1; grindstones, 1; hard-

WATERBURY.

| | | | | | | | | | | | |
|--|-----|--------------|-------------|-------------|-------------|--------------|-----|-----|-------------|--------|-------------|
| 1 All industries | 404 | \$23,421,640 | \$1,948,595 | \$3,271,036 | \$5,807,273 | \$12,394,736 | 382 | 699 | \$1,005,814 | 14,914 | \$7,564,198 |
| 2 Bicycle and tricycle repairing | 7 | 6,173 | | | 2,920 | 2,253 | 9 | | | 7 | 3,396 |
| 3 Blacksmithing and wheelwrighting | 18 | 95,606 | 42,175 | 23,050 | 11,325 | 19,056 | 18 | 2 | 1,050 | 45 | 32,240 |
| 4 Boots and shoes, custom work and repairing | 42 | 8,346 | 1,000 | 450 | 3,674 | 3,222 | 43 | | | 10 | 1,154 |
| 5 Bottling | 14 | 13,940 | 500 | 875 | 4,135 | 8,430 | 14 | | | 24 | 12,654 |
| 6 Brass castings and brass finishing | 3 | 4,199,786 | 165,807 | 576,254 | 1,255,034 | 2,202,681 | 1 | 64 | 140,140 | 2,239 | 1,188,960 |
| 7 Brassware | 6 | 5,490,356 | 676,892 | 805,240 | 1,895,923 | 2,612,301 | 1 | 99 | 163,553 | 2,616 | 1,386,161 |
| 8 Bread and other bakery products | 17 | 39,496 | 15,530 | 22,400 | 19,650 | 41,916 | 15 | 10 | 7,276 | 83 | 50,717 |
| 9 Buttons | 3 | 352,423 | 40,000 | 50,000 | 104,653 | 157,775 | 1 | 16 | 22,318 | 479 | 183,821 |
| 10 Carpentering | 12 | 288,462 | 21,700 | 20,585 | 29,558 | 196,619 | 9 | 15 | 23,950 | 280 | 147,612 |
| 11 Carriages and wagons | 4 | 61,945 | 22,200 | 12,650 | 1,750 | 25,345 | 6 | 3 | 1,567 | 38 | 17,068 |

BY SPECIFIED INDUSTRIES: 1900—Continued.

NEW HAVEN—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-----------|------------------------------|----------|------------------------------|--------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average num- ber. | Wages. | Average num- ber. | Wages. | Average num- ber. | Wages. | | | | | | | | | | |
| 8 | \$4,138 | | | | | \$1,105 | \$880 | | \$225 | | \$1,563 | \$1,338 | \$225 | \$11,400 | 22 |
| 9 | 4,940 | 32 | \$11,168 | | | 1,304 | 259 | | 30 | \$1,015 | 257 | 225 | 32 | 5,100 | 23 |
| 903 | 504,148 | 6 | 2,430 | 2 | \$406 | 19,012 | 840 | \$567 | 17,605 | | 86,672 | 85,022 | 1,650 | 116,647 | 24 |
| 11 | 9,466 | 24 | 6,692 | | | 84,865 | 8,580 | 11,425 | 64,462 | 458 | 742,838 | 704,884 | 37,999 | 1,716,028 | 25 |
| | | | | | | 6,569 | 1,699 | 41 | 2,829 | 2,000 | 28,850 | 28,681 | 219 | 78,425 | 26 |
| 98 | 47,758 | 4 | 1,091 | 1 | 200 | 14,627 | 8,266 | 579 | 3,882 | 1,900 | 75,884 | 78,998 | 1,891 | 188,062 | 27 |
| 49 | 24,900 | 1 | 200 | | | 13,975 | 495 | 165 | 8,715 | 4,600 | 140,775 | 140,335 | 440 | 245,495 | 28 |
| 10 | 7,800 | | | | | 1,012 | 725 | 60 | 227 | | 3,004 | 2,857 | 147 | 17,693 | 29 |
| | | 2 | 400 | | | 493 | 406 | 2 | 85 | | 1,893 | 1,370 | 23 | 4,120 | 30 |
| 1,761 | 797,351 | 289 | 70,376 | 60 | 10,317 | 221,183 | 5,575 | 20,940 | 178,668 | 16,000 | 864,785 | 829,280 | 35,505 | 2,218,032 | 31 |
| 21 | 10,806 | 5 | 1,288 | 1 | 200 | 4,015 | 1,470 | 39 | 2,006 | 500 | 24,180 | 28,984 | 246 | 54,409 | 32 |
| 28 | 17,466 | | | 2 | 288 | 1,631 | 1,150 | 101 | 380 | | 10,480 | 9,532 | 948 | 39,280 | 33 |
| 94 | 80,016 | | | | | 338,248 | 4,000 | 5,809 | 328,939 | | 180,290 | 168,794 | 11,496 | 799,441 | 34 |
| 9 | 5,816 | 3 | 1,200 | 1 | 300 | 1,740 | 1,281 | 129 | 330 | | 6,897 | 6,619 | 278 | 23,450 | 35 |
| 11 | 6,780 | | | 1 | 150 | 1,499 | 1,215 | 32 | 252 | | 38,560 | 38,307 | 253 | 61,375 | 36 |
| 137 | 64,470 | | | | | 38,605 | | 3,985 | 84,620 | | 411,111 | 410,841 | 770 | 568,910 | 37 |
| 347 | 153,220 | | | | | 4,347 | 402 | 925 | 2,020 | 1,000 | 156,682 | 151,382 | 5,300 | 388,915 | 38 |
| 483 | 160,169 | | | | | 102,390 | 1,285 | 406 | 10,673 | 90,025 | 189,571 | 183,176 | 1,055 | 634,952 | 39 |
| 26 | 18,810 | 4 | 1,160 | | | 7,528 | 1,816 | 459 | 5,253 | | 50,013 | 49,218 | 795 | 117,913 | 40 |
| 4 | 1,808 | 107 | 44,089 | | | 14,148 | 11,184 | 464 | 2,400 | 100 | 115,213 | 113,154 | 2,059 | 235,150 | 41 |
| 27 | 12,294 | | | | | 6,961 | 1,506 | 869 | 5,086 | | 31,449 | 30,557 | 892 | 76,537 | 42 |
| 6 | 4,800 | | | | | 803 | 540 | 69 | 194 | | 3,644 | 3,102 | 542 | 11,300 | 43 |
| 34 | 18,014 | | | | | 3,308 | 180 | 747 | 725 | 1,656 | 18,958 | 18,543 | 415 | 59,326 | 44 |
| 120 | 75,270 | 15 | 2,580 | 1 | 250 | 12,054 | 4,219 | 216 | 7,019 | | 66,385 | 65,982 | 403 | 213,065 | 45 |
| 56 | 35,797 | | | | | 4,392 | 1,326 | 144 | 2,922 | | 25,453 | 25,251 | 202 | 79,764 | 46 |
| 14 | 6,022 | 20 | 6,887 | | | 35,693 | 5,323 | 847 | 77,023 | 2,500 | 67,153 | 66,234 | 919 | 257,719 | 47 |
| 59 | 31,155 | | | | | 1,216 | 12 | 421 | 783 | | 23,387 | 22,747 | 640 | 82,217 | 48 |
| 20 | 12,332 | 5 | 1,936 | | | 9,294 | 7,399 | 49 | 1,201 | 645 | 19,355 | 19,022 | 333 | 67,844 | 49 |
| 17 | 7,796 | 3 | 782 | | | 7,019 | 600 | 180 | 6,239 | | 16,154 | 15,768 | 386 | 43,957 | 50 |
| 351 | 223,932 | | | 4 | 500 | 40,493 | 13,621 | 1,623 | 25,249 | | 307,251 | 304,490 | 2,761 | 765,320 | 51 |
| 36 | 17,440 | | | | | 2,812 | 535 | 539 | 1,738 | | 19,863 | 14,673 | 5,190 | 54,330 | 52 |
| 218 | 110,225 | 67 | 17,607 | | | 182,459 | 14,615 | 2,397 | 41,553 | 73,889 | 184,909 | 179,376 | 5,623 | 583,889 | 53 |
| 106 | 89,524 | 3 | 1,012 | 13 | 1,294 | 40,248 | 7,554 | 1,646 | 14,638 | 16,410 | 80,279 | 76,636 | 3,643 | 354,314 | 54 |
| 10 | 7,490 | | | | | 468 | 135 | 80 | 303 | | 20,773 | 20,623 | 150 | 31,325 | 55 |
| 34 | 20,650 | 2 | 500 | | | 5,287 | 8,643 | 210 | 994 | 500 | 19,765 | 19,310 | 455 | 67,404 | 56 |
| 413 | 209,000 | 100 | 26,000 | 16 | 2,400 | 42,719 | 2,800 | 1,019 | 5,900 | 33,000 | 136,593 | 132,175 | 4,418 | 497,300 | 57 |
| 11 | 7,190 | | | | | 808 | 396 | 37 | 325 | | 6,925 | 6,920 | 5 | 19,635 | 58 |
| 5 | 2,740 | 23 | 5,808 | | | 2,231 | 940 | 2 | 299 | 990 | 17,728 | 17,350 | 378 | 33,423 | 59 |
| 106 | 37,538 | 5 | 1,990 | | | 56,855 | 1,180 | 1,561 | 51,727 | 2,383 | 284,764 | 288,400 | 1,984 | 587,000 | 60 |
| 81 | 50,939 | | | | | 5,425 | 2,912 | 292 | 2,221 | | 60,166 | 59,403 | 763 | 161,827 | 61 |
| 243 | 167,020 | 68 | 16,190 | 2 | 100 | 60,440 | 5,234 | 9,205 | 46,001 | | 229,446 | 223,638 | 808 | 553,423 | 62 |
| 39 | 16,771 | 19 | 5,625 | 8 | 1,325 | 15,975 | 1,600 | 237 | 2,138 | 12,000 | 43,234 | 41,939 | 1,295 | 104,334 | 63 |
| 8 | 1,907 | | | | | 4,380 | 550 | 230 | 3,600 | | 37,002 | 36,764 | 233 | 49,314 | 64 |
| 24 | 16,190 | 2 | 600 | 1 | 156 | 12,865 | 6,289 | 180 | 1,821 | 4,575 | 17,547 | 16,937 | 610 | 74,115 | 65 |
| 142 | 51,334 | 31 | 6,667 | 2 | 416 | 15,554 | 815 | 1,132 | 13,607 | | 136,142 | 134,683 | 1,459 | 245,832 | 66 |
| 5,694 | 3,211,531 | 2,072 | 592,899 | 75 | 10,362 | 1,179,765 | 82,244 | 93,432 | 1,046,561 | 7,523 | 8,807,399 | 8,540,486 | 266,913 | 18,112,436 | 67 |

ware, saddlery, 2; hosiery and knit goods, 2; ice, artificial, 1; iron and steel, 2; iron and steel, bolts, nuts, washers, and rivets, 2; iron and steel, forgings, 2; iron-work, architectural and ornamental, 2; leather goods, 2; leather, tanned, curried, and finished, 1; lime and cement, 2; millinery and lace goods, 2; mucilage and paste, 1; musical instruments, organs and materials, 1; musical instruments, pianos and materials, 1; needles and pins, 1; oil, not elsewhere specified, 1; optical goods, 2; paper and wood pulp, 1; pens, fountain, and stylographic, 1; perfumery and cosmetics, 1; photographic apparatus, 1; photolithographing and photo-engraving, 1; plastering and stuccowork, 1; plumbers' supplies, 1; registers, car fare, 1; rubber and elastic goods, 1; safes and vaults, 1; sausage, 1; screws, machine, 1; sewing machine repairing, 2; silk and silk goods, 1; slaughtering and meat packing, wholesale, 1; slaughtering, wholesale, not including meat packing, 1; smelting and refining, not from the ore, 2; soap and candles, 1; sporting goods, 1; springs, steel, car, and carriage, 1; stamped ware, 1; steam packing, 1; stereotyping and electrotyping, 2; surgical appliances, 1; tools, not elsewhere specified, 2; trunks and valises, 1; window shades, 2; wood, turned and carved, 2.

WATERBURY.

| | | | | | | | | | | | | | | | |
|--------|-------------|-------|-------------|-----|----------|-------------|-----------|-----------|-------------|-----------|--------------|--------------|-----------|--------------|----|
| 10,779 | \$6,108,534 | 3,787 | \$1,369,527 | 348 | \$86,137 | \$1,664,050 | \$122,849 | \$115,560 | \$1,143,591 | \$232,050 | \$19,821,401 | \$19,303,364 | \$518,037 | \$33,778,905 | 1 |
| 7 | 3,396 | | | | | 1,936 | 1,387 | | 424 | 125 | 6,281 | 5,843 | 438 | 18,255 | 2 |
| 45 | 32,240 | | | | | 3,943 | 1,590 | 435 | 1,918 | | 21,180 | 20,163 | 1,017 | 85,145 | 3 |
| 10 | 4,154 | | | | | 5,138 | 4,700 | 18 | 415 | | 12,259 | 11,688 | 571 | 40,947 | 4 |
| 24 | 12,654 | | | | | 4,906 | 2,200 | 165 | 2,541 | | 51,224 | 50,846 | 378 | 94,906 | 5 |
| 1,614 | 968,360 | 592 | 212,500 | 33 | 6,100 | 207,275 | 96 | 17,329 | 189,850 | | 3,036,785 | 2,931,085 | 105,700 | 5,050,589 | 6 |
| 1,866 | 1,147,012 | 664 | 225,048 | 86 | 14,101 | 322,535 | | 23,708 | 298,827 | | 5,784,544 | 5,646,821 | 137,922 | 8,188,492 | 7 |
| 81 | 49,926 | 1 | 416 | 1 | 375 | 10,420 | 2,868 | 495 | 7,057 | | 207,533 | 198,025 | 9,583 | 381,396 | 8 |
| 178 | 104,537 | 273 | 76,415 | 28 | 2,869 | 99,680 | 2,739 | 2,808 | 21,851 | | 248,242 | 242,119 | 6,123 | 643,354 | 9 |
| 280 | 147,612 | | | | | 182,437 | 5,273 | 822 | 5,794 | 170,595 | 353,889 | 332,203 | 1,686 | 884,070 | 10 |
| 35 | 16,850 | | | 1 | 208 | 2,992 | 120 | 596 | 1,851 | 425 | 12,616 | 12,020 | 596 | 46,746 | 11 |

TABLE 8.—MANUFACTURES IN CITIES

WATERBURY—Continued.

| | MANUFACTURING AND MECHANICAL INDUSTRIES, AND CITIES AND TOWNS. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|----|--|---------------------------|------------|---------|------------|-----------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and implements. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average number. | Wages. |
| 12 | Clothing, men's, custom work and repairing. | 28 | \$41,030 | \$7,100 | \$2,600 | \$4,175 | \$27,155 | 30 | 3 | \$3,100 | 47 | \$24,038 |
| 13 | Clothing, women's, dressmaking | 18 | 9,107 | | | 3,017 | 6,090 | 23 | | | 90 | 34,089 |
| 14 | Clothing, women's, factory product | 3 | 4,875 | | | 575 | 4,300 | 3 | | | 23 | 10,872 |
| 15 | Confectionery | 6 | 8,950 | | | 3,750 | 5,200 | 7 | 7 | 1,456 | 6 | 3,281 |
| 16 | Electrical construction and repairs | 3 | 4,400 | | | 400 | 4,000 | 4 | 1 | 150 | 7 | 3,100 |
| 17 | Engraving and diesinking | 6 | 12,750 | 2,000 | 900 | 7,850 | 2,500 | 6 | | | 2 | 1,120 |
| 18 | Foundry and machine shop products | 12 | 568,267 | 24,700 | 74,350 | 120,422 | 348,795 | 6 | 44 | 67,872 | 720 | 401,241 |
| 19 | Furniture, cabinetmaking, repairing, and upholstering. | 5 | 3,150 | | | 800 | 2,350 | 5 | | | 6 | 3,888 |
| 20 | Looking-glass and picture frames | 5 | 11,350 | | | 655 | 10,695 | 7 | 1 | 676 | 2 | 628 |
| 21 | Masonry, brick and stone | 15 | 175,881 | 34,800 | 24,400 | 26,899 | 89,735 | 21 | 21 | 14,136 | 382 | 208,515 |
| 22 | Millinery, custom work | 15 | 54,234 | 5,000 | 4,000 | 1,159 | 44,075 | 19 | 1 | 1,000 | 72 | 38,107 |
| 23 | Mineral and soda waters | 5 | 23,900 | 7,100 | 3,000 | 7,100 | 6,700 | 8 | | | 12 | 6,010 |
| 24 | Painting, house, sign, etc | 20 | 124,778 | 4,575 | 4,700 | 7,610 | 107,963 | 20 | 6 | 4,252 | 110 | 72,475 |
| 25 | Paper hanging | 5 | 21,665 | 1,050 | 625 | 1,210 | 18,850 | 3 | 10 | 6,960 | 43 | 25,196 |
| 26 | Paving and paving materials | 6 | 20,375 | 4,700 | 3,500 | 2,050 | 10,125 | 7 | | | 43 | 19,374 |
| 27 | Photography | 7 | 15,250 | | 1,000 | 8,750 | 5,500 | 9 | | | 9 | 5,453 |
| 28 | Plastering and stuccowork | 4 | 5,075 | 1,200 | 600 | 225 | 3,050 | 4 | | | 15 | 11,207 |
| 29 | Plumbing, and gas and steam fitting | 18 | 222,082 | 5,200 | 5,150 | 10,710 | 201,022 | 16 | 22 | 17,111 | 165 | 83,068 |
| 30 | Printing and publishing, book and job | 7 | 58,077 | | | 32,994 | 25,083 | 6 | 13 | 7,834 | 37 | 20,655 |
| 31 | Printing and publishing, newspapers and periodicals. | 3 | 146,792 | 10,000 | 25,000 | 52,700 | 59,092 | 1 | 8 | 9,246 | 103 | 75,533 |
| 32 | Saddlery and harness | 4 | 12,650 | | | 1,200 | 11,450 | 4 | | | 12 | 6,304 |
| 33 | Stamped ware | 4 | 712,710 | 44,300 | 87,500 | 211,450 | 369,460 | 2 | 32 | 56,277 | 820 | 352,627 |
| 34 | Tinsmithing, copper-smithing, and sheet-iron working. | 3 | 44,435 | 6,000 | 8,000 | 7,425 | 23,010 | 2 | 3 | 3,500 | 47 | 23,654 |
| 35 | Tobacco, cigars and cigarettes | 11 | 27,343 | | | 585 | 26,808 | 12 | | | 16 | 13,395 |
| 36 | Watch, clock, and jewelry repairing | 12 | 6,702 | | | 3,700 | 3,002 | 10 | | | 10 | 6,252 |
| 37 | All other industries | 53 | 10,496,821 | 805,066 | 1,514,307 | 2,461,830 | 5,714,118 | 32 | 318 | 452,390 | 6,296 | 3,093,793 |

¹ Embraces awnings, tents, and sails, 1; bicycles and tricycles, 1; bookbinding and blank book making, 1; boxes, fancy and paper, 2; brass and copper, rolled, 2; chemicals, 1; clocks, 2; cutlery and edge tools, 1; dyeing and cleaning, 1; flouring and grist mill products, 1; fur goods, 1; fur hats, 1; gas and lamp fixtures, 1; gas, illuminating and heating, 1; grease and tallow, 2; hand stamps, 1; hardware, 2; hosiery and knit goods, 1; instruments, professional and scientific, 2; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; lamps and reflectors, 1; liquors, malt, 1; lock and gun smithing, 1; lumber, planing mill

TABLE 9.—MANUFACTURES IN CITIES AND

| 1 | Total for cities and towns | 4,129 | \$140,833,217 | \$7,509,001 | \$23,357,853 | \$36,110,396 | \$78,846,967 | 4,277 | 3,609 | \$4,596,741 | 77,661 | \$34,436,297 |
|----|----------------------------|-------|---------------|-------------|--------------|--------------|--------------|-------|-------|-------------|--------|--------------|
| 2 | Ansonia | 94 | 6,809,281 | 401,125 | 1,203,000 | 1,453,241 | 3,246,915 | 88 | 190 | 202,296 | 3,407 | 1,769,361 |
| 3 | Berlin | 30 | 1,915,095 | 134,761 | 306,885 | 373,105 | 1,100,334 | 25 | 61 | 110,093 | 996 | 500,530 |
| 4 | Bethel | 47 | 437,800 | 16,330 | 52,500 | 132,766 | 236,214 | 54 | 43 | 47,370 | 730 | 333,252 |
| 5 | Branford | 40 | 802,721 | 128,195 | 219,978 | 153,288 | 321,260 | 37 | 25 | 31,652 | 908 | 426,952 |
| 6 | Bristol | 143 | 3,764,628 | 306,052 | 828,698 | 911,246 | 1,718,532 | 135 | 142 | 199,424 | 2,476 | 1,188,943 |
| 7 | Brooklyn | 17 | 1,404,043 | 29,650 | 391,825 | 616,975 | 365,593 | 13 | 11 | 18,038 | 725 | 226,824 |
| 8 | Danbury | 233 | 3,636,619 | 173,048 | 345,101 | 1,051,208 | 2,006,662 | 341 | 168 | 146,665 | 4,296 | 2,017,155 |
| 9 | Derby | 34 | 4,328,442 | 195,800 | 522,482 | 1,222,402 | 2,887,759 | 79 | 72 | 112,427 | 2,311 | 1,116,078 |
| 10 | East Haddam | 27 | 390,850 | 11,750 | 42,200 | 109,750 | 227,150 | 27 | 6 | 3,400 | 337 | 104,754 |
| 11 | East Hartford | 56 | 866,125 | 95,120 | 209,592 | 315,165 | 186,248 | 57 | 21 | 32,353 | 439 | 212,424 |
| 12 | East Windsor | 26 | 751,474 | 18,975 | 182,422 | 149,256 | 401,421 | 24 | 12 | 18,829 | 361 | 158,775 |
| 13 | Enfield | 40 | 4,022,477 | 71,210 | 381,575 | 1,273,771 | 2,295,921 | 41 | 63 | 107,556 | 1,459 | 579,838 |
| 14 | Fairfield | 42 | 221,648 | 14,290 | 34,265 | 46,875 | 126,118 | 47 | 7 | 13,200 | 130 | 71,727 |
| 15 | Farmington | 39 | 554,437 | 59,550 | 110,200 | 158,990 | 231,097 | 39 | 26 | 30,866 | 553 | 226,135 |
| 16 | Glastonbury | 42 | 1,388,950 | 53,080 | 255,574 | 411,762 | 668,594 | 41 | 40 | 59,934 | 662 | 302,944 |
| 17 | Greenwich | 74 | 1,453,496 | 76,000 | 141,690 | 446,666 | 789,140 | 76 | 55 | 61,104 | 915 | 408,556 |
| 18 | Griswold | 30 | 2,175,383 | 149,600 | 359,892 | 629,049 | 536,842 | 30 | 16 | 33,064 | 813 | 320,266 |
| 19 | Groton | 16 | 50,070 | 11,975 | 11,975 | 7,910 | 27,210 | 20 | 6 | 4,800 | 94 | 55,820 |
| 20 | Guilford | 41 | 247,715 | 22,900 | 36,400 | 92,055 | 96,300 | 47 | 5 | 2,350 | 132 | 89,545 |
| 21 | Hamden | 25 | 801,581 | 94,802 | 152,914 | 206,469 | 347,396 | 25 | 34 | 46,913 | 494 | 204,010 |
| 22 | Huntington | 64 | 3,121,834 | 184,200 | 504,738 | 735,067 | 1,697,829 | 63 | 98 | 130,927 | 1,622 | 701,333 |
| 23 | Killingly | 74 | 2,174,445 | 213,247 | 392,441 | 767,675 | 801,082 | 70 | 35 | 46,402 | 1,263 | 441,033 |
| 24 | Manchester | 93 | 7,330,806 | 160,100 | 1,117,850 | 1,379,689 | 4,678,167 | 98 | 137 | 217,290 | 3,118 | 1,370,656 |
| 25 | Middletown | 188 | 5,100,485 | 348,664 | 851,250 | 1,199,573 | 2,700,998 | 203 | 155 | 171,400 | 2,916 | 1,199,713 |
| 26 | Milford | 43 | 365,461 | 10,475 | 35,025 | 62,533 | 257,431 | 45 | 19 | 22,833 | 325 | 137,326 |
| 27 | Montville | 27 | 1,229,620 | 69,886 | 177,919 | 267,342 | 714,473 | 29 | 32 | 42,873 | 655 | 215,810 |
| 28 | Naugatuck | 75 | 6,673,684 | 190,030 | 609,417 | 895,236 | 4,978,971 | 67 | 83 | 121,944 | 3,297 | 1,605,944 |
| 29 | New Hartford | 27 | 870,874 | 44,100 | 197,125 | 182,342 | 447,307 | 24 | 14 | 17,674 | 1,006 | 289,244 |
| 30 | New London | 235 | 4,522,003 | 345,825 | 733,005 | 1,123,151 | 2,320,022 | 261 | 137 | 131,401 | 2,658 | 1,196,218 |
| 31 | New Milford | 58 | 783,294 | 47,975 | 220,308 | 151,530 | 363,481 | 67 | 41 | 47,053 | 526 | 233,231 |
| 32 | Newtown | 29 | 449,505 | 4,510 | 72,928 | 64,720 | 307,347 | 29 | 12 | 21,250 | 312 | 146,122 |
| 33 | Norwalk | 247 | 4,129,841 | 367,034 | 592,205 | 1,009,719 | 2,160,833 | 265 | 124 | 150,776 | 3,172 | 1,586,509 |
| 34 | Norwich | 273 | 8,566,437 | 793,438 | 1,595,188 | 2,199,900 | 3,977,911 | 287 | 189 | 238,460 | 4,411 | 1,383,600 |
| 35 | Orange | 52 | 1,017,066 | 31,539 | 100,565 | 180,617 | 754,345 | 52 | 26 | 34,296 | 531 | 252,425 |
| 36 | Plainfield | 51 | 2,713,962 | 189,550 | 571,350 | 984,065 | 968,997 | 55 | 22 | 38,553 | 1,205 | 424,147 |
| 37 | Plainville | 35 | 399,775 | 26,477 | 33,331 | 148,032 | 141,885 | 33 | 13 | 16,291 | 337 | 136,315 |
| 38 | Portland | 28 | 463,585 | 24,240 | 55,202 | 158,339 | 225,804 | 28 | 13 | 19,187 | 497 | 134,361 |
| 39 | Preston | 19 | 650,347 | 11,020 | 113,950 | 118,175 | 407,702 | 24 | 6 | 3,000 | 264 | 96,437 |
| 40 | Putnam | 93 | 2,019,685 | 124,308 | 342,903 | 660,842 | 891,132 | 91 | 43 | 48,009 | 1,631 | 597,037 |
| 41 | Seymour | 35 | 2,148,123 | 115,700 | 272,390 | 637,782 | 1,122,251 | 32 | 47 | 70,324 | 833 | 439,903 |

BY SPECIFIED INDUSTRIES: 1900—Continued.

WATERBURY—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-----------|------------------------------|---------|------------------------------|--------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 46 | \$24,314 | 1 | \$324 | | | \$15,453 | \$5,120 | \$101 | \$1,048 | \$8,494 | \$40,864 | \$39,935 | \$929 | \$113,617 | 12 |
| 16 | 9,889 | 74 | 24,150 | | | 5,580 | 4,161 | 477 | 832 | 60 | 108,701 | 108,053 | 648 | 171,422 | 13 |
| 14 | 7,904 | 9 | 2,968 | | | 1,752 | 1,344 | 17 | 391 | | 20,130 | 20,046 | 84 | 40,320 | 14 |
| 6 | 3,281 | | | | | 1,973 | 1,280 | 34 | 659 | | 18,207 | 17,785 | 422 | 37,554 | 15 |
| 7 | 8,100 | | | | | 372 | 294 | 6 | 72 | | 8,861 | 8,750 | 111 | 17,642 | 16 |
| 2 | 1,120 | | | | | 787 | 498 | 35 | 254 | | 452 | 297 | 155 | 12,515 | 17 |
| 718 | 400,841 | | | 2 | \$400 | 44,193 | 4,070 | 5,511 | 34,362 | 250 | 227,361 | 205,188 | 22,173 | 990,993 | 18 |
| 6 | 8,888 | | | | | 1,642 | 996 | | 646 | | 6,608 | 6,433 | 175 | 14,167 | 19 |
| 2 | 628 | | | | | 1,055 | 721 | 15 | 319 | | 6,008 | 5,813 | 195 | 13,415 | 20 |
| 375 | 202,475 | | | 7 | 1,040 | 38,810 | 2,246 | 1,236 | 10,328 | 25,000 | 288,372 | 287,452 | 920 | 598,671 | 21 |
| | | 72 | 38,107 | | | 12,285 | 5,534 | 283 | 5,118 | 1,300 | 70,223 | 69,229 | 994 | 136,021 | 22 |
| 12 | 6,010 | | | | | 3,514 | 661 | 202 | 2,651 | | 18,366 | 17,908 | 458 | 43,379 | 23 |
| 104 | 70,005 | 6 | 2,470 | | | 7,804 | 2,762 | 282 | 4,760 | | 65,951 | 65,156 | 795 | 179,070 | 24 |
| 43 | 25,196 | | | | | 4,348 | 2,320 | 68 | 1,960 | | 35,035 | 34,763 | 272 | 70,230 | 25 |
| 43 | 19,374 | | | | | 5,572 | 280 | 97 | 4,215 | 980 | 22,250 | 21,981 | 269 | 60,075 | 26 |
| 7 | 4,412 | 2 | 1,041 | | | 4,303 | 3,197 | 27 | 1,079 | | 8,435 | 7,946 | 489 | 30,840 | 27 |
| 15 | 11,207 | | | | | 2,658 | 165 | 8 | 710 | 1,775 | 10,784 | 10,784 | | 29,126 | 28 |
| 165 | 83,068 | | | | | 14,834 | 7,122 | 624 | 7,138 | | 179,978 | 178,241 | 1,737 | 357,938 | 29 |
| 31 | 18,820 | 3 | 1,818 | 3 | 517 | 6,681 | 2,808 | 290 | 3,483 | 100 | 23,551 | 22,499 | 1,052 | 65,202 | 30 |
| 89 | 68,516 | 13 | 6,887 | 1 | 180 | 16,568 | 1,050 | 395 | 15,123 | | 19,063 | 17,035 | 2,028 | 135,283 | 31 |
| 12 | 6,804 | | | | | 1,733 | 1,510 | 45 | 178 | | 12,489 | 12,308 | 181 | 24,540 | 32 |
| 455 | 233,677 | 306 | 100,449 | 59 | 18,501 | 24,670 | | 3,909 | 20,761 | | 444,015 | 436,400 | 7,615 | 975,822 | 33 |
| 47 | 23,654 | | | | | 8,219 | 1,020 | 158 | 2,041 | | 69,029 | 68,483 | 546 | 108,840 | 34 |
| 16 | 13,395 | | | | | 5,384 | 1,755 | 50 | 3,579 | | 14,255 | 13,876 | 379 | 41,375 | 35 |
| 10 | 6,252 | | | | | 2,293 | 1,791 | | 502 | | 2,835 | 2,486 | 349 | 17,913 | 36 |
| 4,398 | 2,374,463 | 1,771 | 677,431 | 127 | 41,896 | 595,310 | 49,118 | 55,219 | 490,259 | 714 | 8,334,976 | 8,128,904 | 211,072 | 14,149,550 | 37 |

products, including sash, doors, and blinds, 2; marble and stone work, 1; mattresses and spring beds, 1; models and patterns, 1; monuments and tombstones, 1; needles and pins, 1; patent medicines and compounds, 1; plated and britannia ware, 2; roofing and roofing materials, 1; rubber and elastic goods, 1; sausage, 2; shirts, 1; smelting and refining, not from the ore, 1; tools, not elsewhere specified, 2; upholstering materials, 2; varnish, 1; watch and clock materials, 1; watches, 1; wirework, including wire rope and cable, 1.

TOWNS UNDER 20,000 IN POPULATION: 1900.

| 55,645 | \$28,141,462 | 20,000 | \$5,945,994 | 2,010 | \$348,841 | \$3,433,463 | \$619,782 | \$569,558 | \$6,411,933 | \$332,145 | \$39,494,801 | \$37,017,114 | \$2,477,777 | \$156,664,353 | 1 |
|--------|--------------|--------|-------------|-------|-----------|-------------|-----------|-----------|-------------|-----------|--------------|--------------|-------------|---------------|----|
| 2,886 | 1,627,555 | 515 | 141,203 | 6 | 603 | 348,682 | 13,496 | 27,314 | 293,367 | 14,505 | 15,051,022 | 14,786,728 | 264,294 | 18,736,179 | 2 |
| 902 | 470,495 | 92 | 23,681 | 2 | 344 | 70,972 | 1,186 | 3,708 | 63,098 | 3,035 | 1,242,414 | 1,194,699 | 47,715 | 2,222,134 | 3 |
| 533 | 319,905 | 244 | 62,897 | 3 | 450 | 70,204 | 5,989 | 2,194 | 44,266 | 17,755 | 592,921 | 575,168 | 17,753 | 1,229,631 | 4 |
| 803 | 404,977 | 70 | 15,860 | 30 | 6,115 | 40,871 | 1,641 | 2,682 | 32,178 | 4,370 | 210,507 | 213,199 | 26,308 | 917,147 | 5 |
| 1,920 | 1,030,305 | 541 | 155,292 | 15 | 3,946 | 207,650 | 13,231 | 19,152 | 162,265 | 12,952 | 2,224,314 | 2,142,149 | 82,165 | 4,361,097 | 6 |
| 413 | 146,606 | 267 | 76,846 | 45 | 3,872 | 38,895 | 621 | 7,089 | 30,585 | 600 | 351,198 | 338,709 | 12,489 | 756,235 | 7 |
| 3,004 | 1,695,632 | 1,276 | 379,332 | 16 | 2,191 | 406,556 | 52,817 | 16,760 | 329,732 | 7,187 | 3,542,000 | 3,422,153 | 119,847 | 7,213,555 | 8 |
| 1,696 | 955,353 | 550 | 153,190 | 35 | 7,535 | 302,878 | 14,412 | 13,142 | 260,224 | 15,100 | 1,304,250 | 1,206,919 | 37,337 | 3,456,561 | 9 |
| 179 | 63,619 | 158 | 40,821 | 5 | 814 | 73,618 | 679 | 2,203 | 56,705 | 13,739 | 209,940 | 206,678 | 3,262 | 482,649 | 10 |
| 359 | 190,471 | 79 | 21,901 | 1 | 62 | 82,460 | 2,099 | 3,720 | 58,484 | 18,157 | 475,017 | 446,487 | 28,530 | 923,769 | 11 |
| 249 | 129,744 | 94 | 26,414 | 18 | 2,617 | 224,571 | 495 | 3,877 | 218,824 | 1,375 | 541,571 | 520,637 | 20,934 | 1,016,216 | 12 |
| 919 | 440,120 | 486 | 131,876 | 54 | 7,857 | 100,658 | 3,194 | 15,609 | 80,055 | 1,200 | 1,189,686 | 1,096,618 | 43,118 | 2,009,609 | 13 |
| 120 | 70,111 | 10 | 1,616 | | | 49,276 | 1,436 | 702 | 37,138 | 10,000 | 319,911 | 316,389 | 3,522 | 538,225 | 14 |
| 405 | 188,300 | 147 | 37,535 | 1 | 300 | 54,409 | 2,149 | 3,345 | 44,915 | 4,000 | 352,143 | 322,567 | 29,576 | 802,367 | 15 |
| 488 | 241,968 | 150 | 54,416 | 29 | 6,560 | 215,614 | 3,606 | 5,021 | 205,662 | 1,225 | 698,970 | 678,494 | 20,476 | 1,523,404 | 16 |
| 811 | 382,600 | 93 | 24,176 | 11 | 1,780 | 91,999 | 7,573 | 3,588 | 33,033 | 47,800 | 764,776 | 743,737 | 21,039 | 1,541,933 | 17 |
| 598 | 271,836 | 176 | 49,296 | 39 | 8,134 | 123,772 | 1,858 | 10,613 | 110,611 | 1,190 | 505,748 | 464,263 | 51,485 | 1,173,969 | 18 |
| 92 | 54,989 | 2 | 831 | | | 6,032 | 1,409 | 332 | 1,791 | 2,500 | 83,781 | 87,511 | 1,220 | 197,108 | 19 |
| 140 | 79,755 | 37 | 8,640 | 5 | 1,150 | 7,561 | 714 | 1,094 | 3,383 | 2,370 | 119,083 | 116,373 | 2,710 | 293,400 | 20 |
| 398 | 181,164 | 89 | 21,598 | 7 | 1,243 | 35,611 | 2,864 | 3,074 | 18,495 | 11,178 | 873,190 | 849,614 | 23,576 | 757,239 | 21 |
| 1,142 | 571,324 | 426 | 121,145 | 54 | 8,864 | 219,959 | 16,700 | 10,372 | 170,017 | 22,870 | 2,287,661 | 2,178,321 | 89,340 | 3,917,477 | 22 |
| 793 | 314,055 | 424 | 120,279 | 46 | 6,699 | 131,734 | 9,755 | 12,151 | 97,828 | 12,000 | 811,679 | 778,084 | 33,595 | 1,705,997 | 23 |
| 1,870 | 961,899 | 1,224 | 401,807 | 24 | 6,950 | 194,812 | 7,247 | 25,719 | 139,364 | 21,482 | 3,084,627 | 3,009,460 | 75,167 | 5,939,943 | 24 |
| 1,969 | 951,731 | 790 | 221,926 | 157 | 26,056 | 237,604 | 18,618 | 20,147 | 183,292 | 30,547 | 2,636,433 | 2,571,815 | 64,618 | 4,825,649 | 25 |
| 199 | 101,758 | 116 | 34,668 | 10 | 900 | 15,447 | 5,557 | 463 | 6,417 | 3,010 | 244,282 | 239,432 | 4,850 | 502,036 | 26 |
| 420 | 151,637 | 203 | 58,505 | 32 | 5,663 | 50,514 | 1,366 | 6,054 | 42,544 | 550 | 788,588 | 769,039 | 19,549 | 1,252,067 | 27 |
| 2,224 | 1,205,975 | 1,041 | 452,107 | 32 | 7,862 | 823,834 | 24,001 | 34,463 | 235,820 | 29,550 | 6,152,981 | 6,055,757 | 97,224 | 9,126,199 | 28 |
| 489 | 178,636 | 429 | 96,670 | 38 | 13,938 | 37,237 | 1,252 | 4,876 | 21,009 | 10,100 | 626,927 | 620,899 | 6,028 | 1,080,322 | 29 |
| 1,881 | 998,219 | 761 | 195,593 | 16 | 2,406 | 501,879 | 39,620 | 11,483 | 311,604 | 139,172 | 2,804,536 | 2,767,231 | 37,305 | 5,569,615 | 30 |
| 438 | 221,142 | 84 | 30,781 | 4 | 1,308 | 62,530 | 3,842 | 1,743 | 38,375 | 19,070 | 412,697 | 387,042 | 25,655 | 907,907 | 31 |
| 290 | 142,114 | 22 | 4,008 | | | 23,737 | 878 | 2,039 | 20,820 | | 597,998 | 577,823 | 20,175 | 878,610 | 32 |
| 2,350 | 1,321,645 | 791 | 259,085 | 31 | 5,779 | 296,075 | 45,532 | 9,840 | 168,795 | 71,908 | 2,261,195 | 2,202,470 | 58,725 | 5,087,720 | 33 |
| 3,220 | 1,671,307 | 1,051 | 290,601 | 140 | 21,692 | 619,238 | 54,673 | 43,875 | 452,585 | 68,105 | 4,321,078 | 4,142,953 | 178,125 | 8,388,343 | 34 |
| 426 | 229,573 | 87 | 19,578 | 18 | 3,274 | 58,522 | 2,798 | 4,816 | 36,403 | 14,450 | 1,542,471 | 1,528,286 | 14,185 | 2,168,435 | 35 |
| 748 | 287,931 | 397 | 123,261 | 60 | 12,955 | 42,665 | 2,735 | 10,011 | 28,799 | 1,120 | 989,813 | 961,511 | 28,302 | 1,611,078 | 36 |
| 213 | 101,520 | 110 | 32,475 | 14 | 2,820 | 17,664 | 1,532 | 2,108 | 13,624 | 400 | 282,533 | 223,997 | 8,536 | 460,471 | 37 |
| 385 | 157,256 | 93 | 24,655 | 19 | 2,450 | 9,822 | 763 | 687 | 8,372 | | 322,432 | 295,890 | 26,542 | 594,397 | 38 |
| 206 | 82,331 | 58 | 14,156 | | | 38,256 | 326 | 1,757 | 35,458 | 720 | 288,890 | 282,891 | 5,999 | 477,428 | 39 |
| 849 | 342,424 | 664 | 173,382 | 118 | 21,281 | 122,376 | 21,537 | 15,564 | 79,260 | 6,015 | 1,097,136 | 1,073,045 | 24,091 | 1,928,803 | 40 |
| 750 | 414,186 | 79 | 25,122 | 4 | 600 | 45,071 | 6,476 | 7,243 | 28,352 | 3,000 | 2,092,580 | 2,046,983 | 45,597 | 2,947,463 | 41 |

TABLE 9.—MANUFACTURES IN CITIES AND

| | CITIES AND TOWNS. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|----|--------------------|---------------------------|-------------|-----------|------------|------------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and imple-ments. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average num-ber. | Wages. |
| 42 | Southington..... | 65 | \$2,788,709 | \$164,770 | \$474,600 | \$880,897 | \$1,254,442 | 55 | 70 | \$103,422 | 1,415 | \$627,604 |
| 43 | Stafford..... | 76 | 2,061,474 | 91,800 | 275,801 | 414,766 | 1,279,607 | 78 | 53 | 57,457 | 1,061 | 899,876 |
| 44 | Stamford..... | 186 | 5,189,195 | 264,424 | 893,765 | 1,755,979 | 2,335,027 | 208 | 288 | 264,622 | 2,841 | 1,482,540 |
| 45 | Stonington..... | 118 | 3,738,679 | 90,806 | 518,845 | 1,110,505 | 2,014,023 | 180 | 84 | 127,514 | 1,967 | 902,740 |
| 46 | Thomaston..... | 23 | 1,778,944 | 85,567 | 189,900 | 370,957 | 1,182,520 | 21 | 86 | 51,980 | 1,154 | 545,479 |
| 47 | Thompson..... | 19 | 4,511,333 | 26,495 | 939,720 | 1,722,603 | 1,822,565 | 19 | 45 | 64,042 | 1,766 | 575,567 |
| 48 | Torrington..... | 108 | 6,544,511 | 314,614 | 854,519 | 1,135,105 | 4,240,273 | 112 | 152 | 217,559 | 3,522 | 1,704,291 |
| 49 | Vernon..... | 123 | 5,743,445 | 270,475 | 565,417 | 957,285 | 3,950,268 | 122 | 68 | 107,343 | 2,449 | 928,886 |
| 50 | Wallingford..... | 73 | 5,382,134 | 250,108 | 744,700 | 1,260,375 | 3,126,951 | 63 | 162 | 285,197 | 2,270 | 1,160,551 |
| 51 | Watertown..... | 37 | 536,524 | 20,695 | 77,000 | 61,245 | 877,584 | 39 | 24 | 39,255 | 501 | 166,340 |
| 52 | Westport..... | 35 | 343,948 | 24,710 | 47,213 | 88,577 | 183,448 | 31 | 31 | 46,542 | 225 | 101,788 |
| 53 | Winchester..... | 133 | 2,971,429 | 232,649 | 425,622 | 615,919 | 1,694,239 | 136 | 156 | 170,199 | 1,746 | 753,192 |
| 54 | Windham..... | 114 | 5,356,194 | 144,503 | 1,828,055 | 2,190,888 | 1,693,248 | 122 | 90 | 97,980 | 2,514 | 948,041 |
| 55 | Windsor..... | 40 | 1,016,549 | 47,525 | 183,003 | 313,871 | 472,150 | 39 | 49 | 43,200 | 482 | 227,127 |
| 56 | Windsor Locks..... | 37 | 2,117,150 | 168,749 | 404,405 | 613,657 | 930,348 | 35 | 38 | 58,051 | 831 | 331,402 |

TOWNS UNDER 20,000 IN POPULATION: 1900—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-----------|------------------------------|----------|------------------------------|----------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average num- ber. | Wages. | Average num- ber. | Wages. | Average num- ber. | Wages. | | | | | | | | | | |
| 1,904 | \$608,269 | 111 | \$24,885 | | | \$112,884 | \$2,724 | \$18,788 | \$94,627 | \$1,750 | \$797,102 | \$735,267 | \$61,835 | \$1,994,564 | 42 |
| 650 | 278,174 | 341 | 109,095 | 70 | \$12,607 | 105,606 | 8,388 | 7,802 | 82,450 | 7,016 | 1,847,143 | 1,302,221 | 44,922 | 2,177,535 | 43 |
| 2,480 | 1,339,289 | 276 | 77,881 | 85 | 15,870 | 404,452 | 34,551 | 20,474 | 390,827 | 18,600 | 2,059,725 | 1,932,329 | 127,395 | 4,745,704 | 44 |
| 1,562 | 785,520 | 356 | 110,891 | 49 | 6,329 | 344,536 | 21,612 | 8,661 | 290,076 | 24,187 | 1,312,285 | 1,269,724 | 42,561 | 3,231,428 | 45 |
| 890 | 478,939 | 219 | 64,929 | 45 | 6,611 | 95,997 | 2,935 | 8,167 | 84,895 | | 1,486,183 | 1,457,150 | 28,988 | 2,374,481 | 46 |
| 1,060 | 899,025 | 576 | 154,357 | 130 | 22,185 | 62,236 | 9,017 | 10,624 | 42,495 | 100 | 928,432 | 898,277 | 30,155 | 1,645,476 | 47 |
| 3,106 | 1,546,716 | 309 | 131,632 | 107 | 25,943 | 409,102 | 84,355 | 28,011 | 264,247 | 82,489 | 6,687,684 | 6,583,200 | 154,484 | 10,017,121 | 48 |
| 1,481 | 662,560 | 877 | 251,446 | 91 | 14,880 | 419,062 | 8,235 | 30,127 | 385,852 | 45,348 | 3,245,493 | 3,190,130 | 55,363 | 5,490,418 | 49 |
| 1,776 | 1,019,024 | 474 | 137,718 | 20 | 3,809 | 268,756 | 6,754 | 14,812 | 246,890 | 300 | 2,813,410 | 2,760,795 | 52,615 | 5,238,280 | 50 |
| 208 | 97,697 | 285 | 66,134 | 8 | 2,509 | 15,801 | 1,368 | 3,254 | 5,754 | 5,425 | 629,538 | 622,606 | 6,872 | 936,266 | 51 |
| 153 | 82,952 | 70 | 18,700 | 2 | 186 | 32,129 | 3,225 | 824 | 18,672 | 9,408 | 234,493 | 278,061 | 6,432 | 556,668 | 52 |
| 1,186 | 578,602 | 581 | 170,182 | 29 | 4,458 | 169,955 | 13,700 | 12,455 | 121,403 | 22,397 | 1,529,704 | 1,494,554 | 35,150 | 2,923,822 | 53 |
| 1,240 | 563,682 | 1,112 | 361,953 | 162 | 22,406 | 209,638 | 16,968 | 28,850 | 146,102 | 17,718 | 1,520,562 | 1,479,642 | 40,920 | 3,436,033 | 54 |
| 357 | 192,004 | 118 | 33,720 | 7 | 1,403 | 35,448 | 4,194 | 3,916 | 24,438 | 2,900 | 508,427 | 486,857 | 21,570 | 921,829 | 55 |
| 465 | 226,841 | 350 | 101,836 | 16 | 3,225 | 87,298 | 5,929 | 6,168 | 75,001 | 200 | 631,785 | 583,320 | 48,465 | 1,311,768 | 56 |

Twelfth Census of the United States.

CENSUS BULLETIN.

No. 110.

WASHINGTON, D. C.

November 12, 1901.

MANUFACTURES.

ARKANSAS.

HON. WILLIAM R. MERRIAM,
Director of the Census.

SIR: I transmit herewith, for publication in bulletin form, the statistics of manufacturing and mechanical industries for the state of Arkansas for the census year 1900, taken in accordance with the provisions of section 7 of the act of March 3, 1899. This section requires that "The schedules of inquiries relating to the products of manufacturing and mechanical establishments shall embrace the name and location of each establishment; character of organization, whether individual, cooperative, or other form; date of commencement of operations; character of business or kind of goods manufactured; amount of capital invested; number of proprietors, firm members, copartners, or officers, and the amount of their salaries; number of employees, and the amount of their wages; quantity and cost of materials used in manufactures; amount of miscellaneous expenses; quantity and value of products; time in operation during the census year; character and quantity of power used; and character and number of machines employed."

In each of the above particulars the requirements of the law have been observed, but certain of the data thus elicited are reserved for publication in the final volumes.

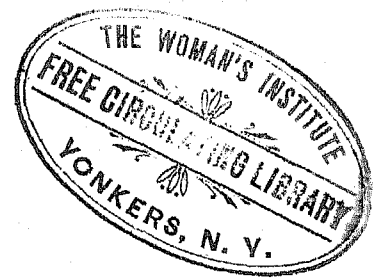
These statistics were gathered partly by enumerators and partly by special agents. The presentation of the manufacturing statistics of cities by specified industries at the present census is confined to cities having a population of 20,000 or over, and for this reason detailed statistics are presented only for the city of Little Rock. Wherever the phrase "urban manufactures" is used in this bulletin, it applies only to those cities which were withdrawn from the enumerators and committed to special agents, and only to manufacturing establishments within the corporate limits of such places.

The statistics for Arkansas are presented in 9 tables: Table 1 showing comparative figures for the state at the

several censuses; Table 2 showing all the industries of the state divided between the hand trades and manufactures proper, and also the statistics of an eleemosynary institution and establishments with a product of less than \$500, which two latter classes were not reported at previous censuses; Table 3 showing the statistics of the 7 leading industries of the state for 1890 and 1900; Table 4 showing the totals for the city of Little Rock for the censuses of 1890 and 1900; Table 5 showing the urban manufactures of the state in comparison with the totals for the entire state and the state exclusive of the cities withdrawn from the enumerators; Table 6 showing the statistics for the state by counties; Table 7 showing the statistics for the state by specified industries; Table 8 showing the statistics of the city of Little Rock by specified industries; and Table 9 showing the totals for all industries in the cities withdrawn from enumerators (exclusive of those for the city of Little Rock, shown in Table 8).

Table 1 shows the growth of manufactures in Arkansas for the half century which terminates with the Twelfth Census. The manufacturing statistics of the censuses prior to 1850 were too imperfect and fragmentary in character to make it proper to reproduce them in such a table as a measure of industrial growth in the first half of the century. Owing to changes in the method of taking the census, comparisons between the earlier and later decades, represented in Table 1, should be drawn only in the most general way. Nevertheless, the rate of growth in Arkansas manufactures may be fairly inferred from the figures given.

In drafting the schedules of inquiry for the census of 1900 care was taken to preserve the basis of comparison with prior censuses. Comparison may be made safely with respect to all the items of inquiry except those relating to capital, salaried officials, clerks, etc., and their salaries, the average number of employees, and the total amount of wages paid. Live capital, that is, cash on



hand, bills receivable, unsettled ledger accounts, raw materials, stock in process of manufacture, finished products on hand, and other sundries, was first called for at the census of 1890. No definite attempt was made, prior to the census of 1890, to secure a return of live capital invested.

Changes were made in the inquiries relating to employees and wages in order to eliminate defects found to exist on the form of inquiry adopted in 1890. At the census of 1890 the average number of persons employed during the entire year was called for, and also the average number employed at stated weekly rates of pay, and the average number was computed for the actual time the establishments were reported as being in operation. At the census of 1900 the greatest and least numbers of employees were reported, and also the average number employed during each month of the year. The average number of wage-earners (men, women, and children) employed during the entire year was ascertained by using 12, the number of calendar months, as a divisor into the total of the average numbers reported for each month. This difference in the method of ascertaining the average number of wage-earners during the entire year may have resulted in a variation in the number, and should be considered in making comparisons.

At the census of 1890 the number and salaries of proprietors and firm members actively engaged in the business or in supervision were reported, combined with clerks and other officials. In cases where proprietors and firm members were reported without salaries, the amount that would ordinarily be paid for similar services was estimated. At the census of 1900 only the number of proprietors and firm members actively engaged in the industry or in supervision was ascertained, and no salaries were reported for this class. It is therefore impossible to compare the number and salaries of salaried officials of any character for the two censuses.

Furthermore, the schedules for 1890 included in the wage-earning class, overseers, foremen, and superintendents (not general superintendents or managers), while the census of 1900 separates from the wage-earning class such salaried employees as general superintendents, clerks, and salesmen. It is possible and probable that this change in the form of the question has resulted in eliminating from the wage-earners, as reported by the present census, many high-salaried employees included in that group for the census of 1890.

In some instances, the number of proprietors and firm members, shown in the accompanying tables, falls short of the number of establishments reported. This is accounted for by the fact that no proprietors or firm members are reported for corporations or cooperative establishments. The number of salaried officials, clerks, etc., is the greatest number reported employed at any one time during the year, and this number may appear excessive as compared with the amount of salaries paid. The seeming inconsistency is due to the large number of establishments reporting clerks em-

ployed but a short period, who received salaries that would be small if reckoned as for the entire year.

The reports show a capital of \$35,960,640 invested in manufactures and mechanical industries in the 4,794 establishments reporting for the state of Arkansas. This sum represents the value of land, buildings, machinery, tools, and implements, and the live capital utilized, but does not include the capital stock of any of the manufacturing corporations of the state of Arkansas. The value of the products is returned at \$44,883,783, to produce which involved an outlay of \$1,251,096 for salaries of officials, clerks, etc., \$8,686,291 for wages, \$1,482,779 for miscellaneous expenses, including rent, taxes, etc., and \$23,963,768 for materials used, mill supplies, freight, and fuel. It is not to be assumed, however, that the difference between the aggregate of these sums and the value of the products is, in any sense, indicative of the profits in the manufacture of the products during the census year. The census schedule takes no cognizance of the cost of selling manufactured articles, or of interest on capital invested, or of the mercantile losses incurred in the business, or of depreciation in plant. The value of the products given is the value as obtained or fixed at the shop or factory. This statement is necessary in order to avoid erroneous conclusions from the figures presented.

The value of products for the state of Arkansas, \$44,883,783, is the gross value, and not the net or true value. The difference between these two should be carefully noted. The gross value is found by adding the values of products in the separate establishments. But the finished product of one establishment is often the raw material for another. In such cases the value of the former reappears in the latter, and thus the original cost of certain materials may be included several times in the gross value. The net or true value is found by subtracting from the gross value the value of all materials purchased in a partly manufactured form. In this way the duplications in the gross value are eliminated.

At the census of 1890 the schedule was so framed that it was impossible to find the net or true value. In the present census the schedule asked for the value of the materials in two classes, those purchased in the crude state and those purchased in the partly manufactured form. From the answers to these questions the net or true value of products may be computed. Thus, for Arkansas, the gross value of products for 1900 was \$44,883,783. The value of materials purchased in a partly manufactured form was \$16,402,084. The difference, \$28,481,699, is the net or true value of products, and represents the increase in the value of raw materials resulting from the various processes of manufacture.

Very respectfully,


Chief Statistician for Manufactures.

ARKANSAS.

Table 1 shows the manufacturing and mechanical industries of the state of Arkansas as returned at the censuses of 1850 to 1900, inclusive, with the percentages of increase for each decade. This table also presents the average number of wage-earners employed by manufacturing estab-

lishments, in comparison with the total population of the state, and the value of the land and buildings owned and reported by manufacturers as capital, in comparison with the assessed value of all real estate and improvements.

TABLE 1.—COMPARATIVE SUMMARY, 1850 TO 1900, WITH PER CENT OF INCREASE FOR EACH DECADE.

| | DATE OF CENSUS. | | | | | | PER CENT OF INCREASE. | | | | |
|---|-----------------|---------------|------------------|------------------|------------------|------------------|-----------------------|--------------|--------------|--------------|--------------|
| | 1900 | 1890 | 1880 | 1870 | 1860 | 1850 | 1890 to 1900 | 1880 to 1890 | 1870 to 1880 | 1860 to 1870 | 1850 to 1860 |
| Number of establishments | 4,794 | 2,078 | 1,202 | 1,070 | 618 | 261 | 181.8 | 72.5 | 11.4 | 108.8 | 98.5 |
| Capital | \$35,960,640 | \$14,971,614 | \$2,958,180 | \$1,782,913 | \$1,316,610 | \$305,015 | 140.2 | 407.0 | 65.6 | 35.4 | 331.7 |
| Salaried officials, clerks, etc., number | 1,649 | 1,829 | (²) | (²) | (²) | (²) | 99.8 | | | | |
| Salaries | \$1,251,096 | \$1,100,702 | (²) | (²) | (²) | (²) | 18.7 | | | | |
| Wage-earners, average number | 26,501 | 14,148 | 4,557 | 3,206 | 1,877 | 842 | 87.4 | 210.4 | 42.1 | 70.8 | 122.9 |
| Total wages | \$8,686,291 | \$4,649,186 | \$925,858 | \$673,968 | \$554,240 | \$159,876 | 86.8 | 402.4 | 87.8 | 21.6 | 246.7 |
| Men, 16 years and over | 25,158 | 18,277 | 4,307 | 3,077 | 1,831 | 812 | 89.5 | 208.3 | 40.0 | 68.1 | 125.5 |
| Wages | \$8,424,011 | \$4,515,560 | (²) | (²) | (²) | (²) | 86.6 | | | | |
| Women, 16 years and over | 700 | 468 | 90 | 47 | 46 | 80 | 51.2 | 414.4 | 91.5 | 2.2 | 58.8 |
| Wages | \$159,820 | \$92,388 | (²) | (²) | (²) | (²) | 73.0 | | | | |
| Children, under 16 years | 648 | 403 | 160 | 82 | (²) | (²) | 59.6 | 151.9 | 95.1 | | |
| Wages | \$102,460 | \$41,248 | (²) | (²) | (²) | (²) | 148.4 | | | | |
| Miscellaneous expenses | \$1,482,779 | \$1,035,107 | (⁴) | (⁴) | (⁴) | (⁴) | 48.2 | | | | |
| Cost of materials used | \$23,968,768 | \$12,397,261 | \$4,392,080 | \$2,586,908 | \$1,280,508 | \$215,789 | 98.3 | 182.3 | 78.1 | 98.1 | 493.4 |
| Value of products, including custom work and repairing | \$44,888,788 | \$22,659,179 | \$6,756,159 | \$4,629,234 | \$2,880,678 | \$587,908 | 98.1 | 235.4 | 45.9 | 60.7 | 485.6 |
| Total population | 1,811,564 | 1,128,179 | 802,525 | 484,471 | 435,450 | 209,897 | 16.3 | 40.6 | 65.6 | 11.3 | 107.5 |
| Wage-earners engaged in manufactures | 26,501 | 14,148 | 4,557 | 3,206 | 1,877 | 842 | 87.4 | 210.4 | 42.1 | 70.8 | 122.9 |
| Per cent of total population | 2.0 | 1.3 | 0.6 | 0.7 | 0.4 | 0.4 | | | | | |
| Assessed value of real estate | \$128,084,667 | \$109,417,158 | \$55,760,888 | \$68,102,804 | \$63,254,740 | \$17,372,524 | 17.1 | 95.2 | 111.6 | 40.2 | 254.1 |
| Value of land and buildings invested in manufactures ^a | \$11,845,887 | \$4,490,567 | (²) | (²) | (²) | (²) | 103.8 | | | | |
| Per cent of assessed value | 9.2 | 4.1 | | | | | | | | | |

¹ Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 7.)

² Not reported separately.

³ Decrease.

⁴ Not reported.

^a As given in letter of T. C. Monroe, State Auditor of Arkansas, August 19, 1901.

^b Does not include value of rented property.

Although Arkansas is an agricultural state, Table 1 shows that there has been a steady growth in the manufacturing and mechanical industries during the half century. The population during these years increased from 209,897 to 1,811,564, or 524.9 per cent, but the average number of wage-earners employed in manufacturing establishments increased from 842 to 26,501, or 3,047.4 per cent, embracing, in 1900, 2 per cent of the entire population, compared with four-tenths of 1 per cent in 1850. Probably the best indication of the importance of the wage-earning class is

afforded by the greatest number employed at any one time during the year. In 1900 this was 42,052, or 3.2 per cent of the total population of the state.

Table 2 divides the industries of the state between the hand trades and the manufactures proper. This table also gives the statistics for an eleemosynary institution and establishments with a product of less than \$500; these were not reported at previous censuses, and therefore are omitted from the other tables and their use confined to Table 2.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

| CLASSES. | Number of establishments. | Capital. | Proprietors and firm members. | WAGE-EARNERS. | | Miscellaneous expenses. | COST OF MATERIALS USED. | | | | Value of products, including custom work and repairing. |
|--|---------------------------|--------------|-------------------------------|-----------------|--------------|-------------------------|-------------------------|-------------------------|---|---------------------|---|
| | | | | Average number. | Total wages. | | Total. | Purchased in raw state. | Purchased in partially manufactured form. | Fuel, freight, etc. | |
| Total | 8,384 | \$37,169,799 | 9,757 | 29,178 | \$8,744,271 | \$1,513,692 | \$24,165,167 | \$6,731,163 | \$16,583,485 | \$850,519 | \$45,578,578 |
| Hand trades ¹ | 1,061 | 1,013,808 | 1,255 | 1,302 | 545,675 | 157,559 | 1,014,272 | 41,215 | 918,125 | 54,932 | 2,675,443 |
| Eleemosynary institution | 1 | 1,875 | | | | | 162 | 80 | 82 | | 830 |
| Establishments with a product of less than \$500 | 3,589 | 1,207,284 | 4,006 | 2,672 | 57,980 | 30,913 | 201,237 | 19,918 | 181,319 | | 689,465 |
| All other establishments | 3,733 | \$4,947,832 | 4,496 | 25,199 | 8,140,616 | 1,325,220 | 22,949,496 | 6,669,950 | 15,483,959 | 795,587 | 42,208,340 |

¹ Includes bicycle and tricycle repairing, 12; blacksmithing and wheelwrighting, 538; boots and shoes, custom work and repairing, 80; carpentering, 59; clothing, men's, custom work and repairing, 64; clothing, women's, dressmaking, 16; dyeing and cleaning, 11; furniture, cabinetmaking, repairing, and upholstering, 25; lock and gun smithing, 15; masonry, brick and stone, 3; millinery, custom work, 116; painting, house, sign, etc., 21; paper hanging, 1; plastering and stuccowork, 1; plumbing, and gas and steam fitting, 22; sewing machine repairing, 6; watch, clock, and jewelry repairing, 76.

Of the 8,384 establishments of all classes shown in this table, 4,650, or 55.5 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than \$500." The value of the products for these establishments, consisting principally of the sums received for custom work and repairing, amounted to

\$3,864,908, or only 7.4 per cent of the total products of the state.

In addition to the 8,384 active establishments in the state during the census year, with a capital of \$87,169,799, shown in Table 2, there were 106 idle establishments, with a capital of \$601,048, divided as follows:

| INDUSTRIES. | Number of idle establishments. | Capital. | INDUSTRIES. | Number of idle establishments. | Capital. |
|--|--------------------------------|----------|---|--------------------------------|----------|
| Brick and tile..... | 10 | \$20,065 | Lumber, planing mill products, including sash, doors, and blinds..... | 1 | \$3,200 |
| Cotton, ginning..... | 38 | 34,176 | Marble and stone work..... | 1 | 5,820 |
| Furniture, cabinetmaking, repairing, and upholstering..... | 1 | 7,013 | Woolen goods..... | 2 | 5,140 |
| Liquors, distilled..... | 4 | 13,460 | All other..... | 18 | 4,141 |
| Lumber and timber products..... | 31 | 508,033 | | | |

TABLE 3.—COMPARATIVE SUMMARY OF SEVEN LEADING INDUSTRIES.

| INDUSTRIES. | Year. | Number of establishments. | Capital. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | Value of products, including custom work and repairing. |
|---|--------------|---------------------------|----------------------------|------------------|--------------------------|-------------------------|----------------------------|---|
| | | | | Average number. | Total Wages. | | | |
| Total for selected industries for state..... | 1900 1890 | 8,067 1,250 | \$29,817,055 11,320,834 | 21,717 10,384 | \$6,990,732 3,291,392 | \$939,133 686,892 | \$20,832,017 10,305,545 | \$37,006,409 17,275,192 |
| Increase, 1890 to 1900..... | | 1,817 | 18,496,221 | 11,333 | 3,699,340 | 252,241 | 10,526,472 | 19,731,217 |
| Per cent of increase..... | | 145.4 | 163.4 | 109.1 | 112.4 | 36.7 | 102.1 | 114.2 |
| Per cent of total of all industries in state..... | 1900 1890 | 64.0 60.3 | 82.9 75.6 | 81.9 78.4 | 80.5 70.8 | 63.3 60.4 | 86.9 83.1 | 82.4 76.2 |
| Cars and general shop construction and repairs by steam railroad companies..... | 1900 1890 | 21 8 | 720,907 355,747 | 1,927 847 | 1,203,761 583,187 | 27,124 | 765,003 715,340 | 2,095,447 1,299,558 |
| Cotton, ginning ¹ | 1900 1890 | 1,150 137 | 1,338,698 221,620 | 1,103 569 | 146,041 50,683 | 43,740 12,677 | 342,125 30,725 | 1,261,097 153,226 |
| Flouring and grist mill products..... | 1900 1890 | 410 876 | 1,183,052 975,616 | 443 742 | 116,445 107,439 | 44,681 53,898 | 3,029,236 2,041,587 | 3,708,709 2,498,168 |
| Lumber and timber products..... | 1900 1890 | 1,199 539 | 21,727,710 6,928,720 | 15,895 6,563 | 4,730,413 1,894,395 | 522,653 292,541 | 13,068,267 4,798,577 | 23,959,983 8,943,052 |
| Lumber, planing mill products, including sash, doors, and blinds..... | 1900 1890 | 50 38 | 1,213,011 850,092 | 1,082 640 | 345,806 279,662 | 60,778 45,209 | 1,459,636 1,219,151 | 2,266,522 1,761,932 |
| Oil, cottonseed and cake..... | 1900 1890 | 20 8 | 2,484,794 1,488,690 | 667 511 | 232,856 153,651 | 160,896 160,148 | 1,995,771 1,319,039 | 2,874,864 1,881,603 |
| Printing and publishing, newspapers and periodicals..... | 1900 1890 | 217 144 | 643,883 500,349 | 600 512 | 215,410 237,420 | 79,261 122,419 | 171,979 181,126 | 839,787 737,538 |

¹ Does not include many ginneries operated in connection with saw, grist, and cottonseed oil mills or for the use exclusively of plantations on which they are located. For the full number of ginneries in operation reference should be made to the special report on Cotton Ginning.

The 7 leading industries of the state in 1900, as shown in Table 3, embrace 3,067 establishments, or 64 per cent of the total number; \$29,817,055, or 82.9 per cent of the capital; 21,717, or 81.9 per cent of the total average number of wage-earners; \$6,990,732, or 80.5 per cent of the total wages; and \$37,006,409, or 82.4 per cent of the total products. In the discussion of Table 3, which follows, these industries are ranked with reference to the value of the products.

Table 3 shows that the manufacture of lumber and timber products is by far the most important in Arkansas. The 1,199 establishments reported for this industry in 1900, with a capital of \$21,727,710, gave employment to 15,895 wage-earners, or 60 per cent of the wage-earners of the entire state. The value of the products was \$23,959,983, or 53.4 per cent of the value of all the products of the state, compared with \$8,943,052 in 1890, an increase of \$15,016,931, or 167.9 per cent. The importance of this industry is due in great part to extensive forests, estimated, in 1898, to cover 25,600,000 acres, or more than

three-fourths of the total area of the state.¹ "Hard woods prevail north of the Arkansas River, cypress swamps cover a great part of the eastern alluvial districts, and in the south there are extensive districts covered with pine."² "The hard-wood forests of the state are hardly surpassed in variety and richness, and contain inestimable bodies of the finest oak, walnut, hickory, and ash timber."³

Related to the lumber and timber industry is the manufacture of planing-mill products, including sash, doors, and blinds, in which 50 establishments were reported having a capital of \$1,213,011, 1,082 wage-earners, and products valued at \$2,266,522. The development is shown in a comparison with the statistics of 1890 when 38 establishments were reported, with a capital of \$850,092, wage-earners numbering 640, and products valued at \$1,761,932.

The flour and grist milling industry ranked second in

¹ Report of the Arkansas Bureau of Mines, Manufactures, and Agriculture, 1897-1898, page 122.

² Arkansas, by O. W. Greene, page 5.

³ Tenth Census, The Forests of the United States, page 544.

importance. The 410 establishments reported had a capital of \$1,188,052, employed 448 wage-earners, and had products valued at \$3,708,709. In 1890, 376 establishments were reported, with a capital of \$975,616, wage-earners numbering 742, and products valued at \$2,498,168.

The manufacture of cottonseed oil and cake ranked third with 20 establishments, having a capital of \$2,484,794; 667 wage-earners; and products valued at \$2,874,864. Material previously thrown away or burned is used in this industry, which dates back to 1834, when the first mill in the country is said to have been established at Natchez, Miss.¹ It is only since the civil war that the manufacture has been extensively developed. In addition to oil, these mills produce cottonseed cake and meal, which are used largely as a fertilizer and, to some extent, also, as food for cattle. The industry was reported in Arkansas first at the census of 1870, when there was but 1 establishment in the state. In 1880 there were 4, and in 1890, 8 establishments. During the decade from 1890 to 1900 the increase in value of products was \$993,196, or 52.8 per cent. Allied to the manufacture of cottonseed oil and cake is the ginning of cotton. The number of establishments increased from 137 in 1890 to 1,150 in 1900, or 739.4 per cent. The total amount received for ginning, and other work done, increased from \$153,226 in 1890 to \$1,261,097 in 1900, or 723 per cent. These figures do not include the operations of many private plantation ginneries, or ginneries connected with saw, grist, and cottonseed oil mills. For the full number of ginneries in operation reference should be made to the special report on Cotton Ginning.² Both cotton ginning and cottonseed oil and cake manufacture are dependent upon the large cotton production of the state, amounting in 1899 to 719,453 commercial bales, or 7.5 per cent of the total production of the country.³

The construction and repair shops of steam railroad companies ranked fifth in importance, numbering 21, with a capital of \$720,907, 1,927 wage-earners, and products valued at \$2,095,447. In 1890 there were 8 establishments having a capital of \$355,747; wage-earners numbering 847; and products valued at \$1,299,558.

In the printing and publishing of newspapers and

periodicals, there were 217 establishments with a capital of \$648,883; 600 wage-earners; and products valued at \$839,787. In 1890 there were 144 establishments reported, having a capital of \$500,349; wage-earners numbering 512; and products valued at \$737,588.

URBAN MANUFACTURES.

Table 4 shows the totals for the manufacturing and mechanical industries of the city of Little Rock, as returned at the censuses of 1890 and 1900, with percentages of increase.

TABLE 4.—COMPARATIVE SUMMARY, LITTLE ROCK, 1890 AND 1900, WITH PER CENT OF INCREASE.

| | DATE OF CENSUS. | | Per cent of increase, 1890 to 1900. |
|--|-----------------|-------------|-------------------------------------|
| | 1900 | 1890 | |
| Number of establishments | 171 | 124 | 37.9 |
| Capital | \$3,434,393 | \$2,265,324 | 51.6 |
| Wage-earners, average number | 2,751 | 1,333 | 106.4 |
| Total wages | \$1,384,722 | \$635,352 | 117.9 |
| Miscellaneous expenses | \$295,156 | \$254,227 | 16.1 |
| Cost of materials used | \$1,990,081 | \$1,396,773 | 42.5 |
| Value of products, including custom work and repairing | \$4,644,232 | \$3,120,677 | 48.8 |

It appears from Table 4 that there has been a considerable increase during the past decade in the manufactures of the city. The number of establishments increased from 124 to 171, or 37.9 per cent; the average number of wage-earners from 1,333 to 2,751, or 106.4 per cent; and the value of products from \$3,120,677 to \$4,644,232, or 48.8 per cent. The 171 establishments in Little Rock in 1900, were 3.6 per cent of the entire number located within the state. These establishments had a combined capital amounting to \$3,434,393, or 9.6 per cent of all the capital employed in the state. Of the wage-earners, 2,751, or 10.4 per cent of all in the state, were employed in Little Rock. The total amount of wages paid in the city was \$1,384,722, or 15.9 per cent of all wages paid in the state. The value of products, including custom work and repairing, during 1900 was \$4,644,232, or 10.3 per cent of the total products of the state.

Table 5 presents the totals for the manufacturing industries of Fort Smith, Helena, Little Rock, Pine Bluff, and Van Buren, and places them in comparison with the totals for the entire state, and the state exclusive of these cities.

TABLE 5.—URBAN MANUFACTURES.

| | Number of establishments. | Capital. | Proprietors and firm members. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | Value of products, including custom work and repairing. |
|---|---------------------------|--------------|-------------------------------|-----------------|--------------|-------------------------|-------------------------|---|
| | | | | Average number. | Total wages. | | | |
| Total for state | 4,794 | \$35,960,640 | 5,761 | 26,501 | \$8,686,291 | \$1,482,779 | \$23,963,768 | \$44,883,783 |
| Total for urban manufactures | 530 | 7,682,048 | 541 | 5,291 | 2,441,611 | 568,448 | 4,247,459 | 9,881,521 |
| Fort Smith | 194 | 1,131,924 | 206 | 1,012 | 394,363 | 123,891 | 890,191 | 2,087,044 |
| Helena | 43 | 568,146 | 43 | 272 | 108,702 | 44,893 | 437,047 | 706,076 |
| Little Rock | 171 | 3,434,393 | 174 | 2,751 | 1,384,722 | 295,156 | 1,990,081 | 4,644,232 |
| Pine Bluff | 91 | 2,470,025 | 87 | 1,111 | 488,546 | 97,445 | 873,921 | 1,766,590 |
| Van Buren | 31 | 82,560 | 31 | 145 | 65,278 | 7,063 | 56,219 | 177,579 |
| Total for state, exclusive of urban manufactures | 4,264 | 28,278,592 | 5,210 | 21,210 | 6,244,680 | 914,331 | 19,716,309 | 35,002,262 |
| Per cent of urban manufactures to total for state | 11.1 | 21.4 | 9.4 | 20.0 | 28.1 | 38.3 | 17.7 | 20.9 |

¹ Cotton and Cotton Oil, by D. A. Tompkins, page 210 et passim.

² Census Bulletin, No. 58, Cotton Ginning, page 5.

³ Ibid., page 6.

Of the 4,794 establishments of the state, 530, or 11.1 per cent, are located in these 5 cities. The capital reported for these establishments is \$7,682,048, or 21.4 per cent of that for the entire state. They furnished employment to

5,291 wage-earners, or 20 per cent of the total number; paid \$2,441,611 in wages, or 28.1 per cent of the total amount; and the value of their products, \$9,381,521, formed 20.9 per cent of the total for the state.

TABLE G.—MANUFACTURES

| COUNTIES. | Number of establishments. | CAPITAL. | | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|-----------------|---------------------------|--------------|-------------|-------------|------------------------------------|--------------------|---------|-------------------------------|----------------------------------|-----------------|---|--|
| | | Total. | Land. | Buildings. | Machinery, tools, and imple-ments. | Cash and sundries. | Number. | | Salaries. | Total. | | |
| | | | | | | | | | | Average number. | Wages. | |
| 1 The State | 4,794 | \$35,960,640 | \$8,164,629 | \$3,681,258 | \$12,444,494 | \$11,670,259 | 5,751 | 1,649 | \$1,251,096 | 26,501 | \$3,636,291 | |
| 2 Arkansas | 44 | 169,082 | 89,640 | 16,555 | 49,170 | 63,717 | 60 | 2 | 2,720 | 86 | 23,458 | |
| 3 Ashley | 58 | 284,127 | 35,959 | 34,155 | 117,905 | 46,108 | 63 | 19 | 4,884 | 212 | 47,715 | |
| 4 Baxter | 25 | 48,918 | 5,297 | 7,000 | 23,751 | 12,865 | 89 | | | 25 | 4,569 | |
| 5 Benton | 176 | 378,532 | 37,702 | 62,972 | 161,774 | 116,084 | 227 | 13 | 5,513 | 288 | 62,825 | |
| 6 Boone | 50 | 102,485 | 10,147 | 21,896 | 43,203 | 27,739 | 61 | | | 69 | 15,177 | |
| 7 Bradley | 38 | 230,892 | 11,836 | 19,704 | 76,735 | 122,617 | 50 | 18 | 8,978 | 246 | 73,402 | |
| 8 Calhoun | 13 | 588,788 | 98,130 | 53,384 | 217,528 | 169,741 | 12 | 15 | 15,660 | 526 | 130,279 | |
| 9 Carroll | 82 | 147,020 | 24,940 | 22,840 | 61,702 | 37,538 | 104 | 4 | 2,885 | 119 | 33,218 | |
| 10 Chicot | 46 | 160,969 | 16,272 | 18,785 | 87,202 | 38,710 | 50 | 16 | 2,431 | 180 | 58,182 | |
| 11 Clark | 53 | 635,936 | 196,528 | 55,520 | 204,292 | 179,596 | 68 | 12 | 13,300 | 646 | 175,439 | |
| 12 Clay | 68 | 427,720 | 98,358 | 28,966 | 152,820 | 147,576 | 75 | 23 | 17,270 | 409 | 125,187 | |
| 13 Cleburne | 36 | 68,406 | 14,897 | 10,220 | 36,415 | 6,874 | 46 | 2 | 840 | 59 | 9,863 | |
| 14 Cleveland | 34 | 739,638 | 195,491 | 26,040 | 837,941 | 180,166 | 88 | 18 | 14,520 | 552 | 168,323 | |
| 15 Columbia | 70 | 297,811 | 9,664 | 17,857 | 75,862 | 193,928 | 86 | 12 | 6,563 | 220 | 64,657 | |
| 16 Conway | 60 | 123,638 | 19,538 | 16,845 | 74,356 | 13,400 | 66 | 12 | 1,675 | 107 | 30,528 | |
| 17 Craighead | 87 | 838,979 | 168,349 | 71,260 | 238,029 | 366,841 | 107 | 40 | 17,145 | 828 | 279,502 | |
| 18 Crawford | 69 | 138,824 | 21,455 | 23,140 | 61,072 | 33,157 | 77 | 11 | 6,029 | 193 | 73,093 | |
| 19 Crittenden | 43 | 399,425 | 135,800 | 29,960 | 148,640 | 84,985 | 64 | 22 | 13,245 | 514 | 101,957 | |
| 20 Cross | 39 | 228,930 | 103,265 | 14,316 | 75,142 | 33,007 | 52 | | | 198 | 59,120 | |
| 21 Dallas | 42 | 912,885 | 368,419 | 38,896 | 198,115 | 311,955 | 50 | 22 | 16,160 | 388 | 124,882 | |
| 22 Desha | 48 | 710,246 | 461,019 | 32,527 | 64,044 | 152,656 | 51 | 13 | 6,176 | 184 | 43,850 | |
| 23 Drew | 65 | 640,799 | 198,269 | 62,467 | 176,523 | 203,600 | 90 | 25 | 17,872 | 418 | 133,054 | |
| 24 Faulkner | 74 | 136,182 | 6,395 | 20,625 | 80,205 | 29,957 | 95 | 8 | 2,567 | 120 | 31,219 | |
| 25 Franklin | 43 | 71,815 | 4,892 | 12,660 | 38,020 | 15,343 | 63 | | | 63 | 14,427 | |
| 26 Fulton | 40 | 224,151 | 8,331 | 23,609 | 155,255 | 36,956 | 52 | 7 | 5,825 | 163 | 27,218 | |
| 27 Garland | 113 | 439,222 | 47,583 | 35,598 | 218,484 | 187,557 | 119 | 33 | 17,874 | 335 | 126,850 | |
| 28 Grant | 15 | 23,090 | 2,445 | 2,630 | 15,900 | 2,765 | 20 | 2 | 980 | 82 | 7,516 | |
| 29 Greene | 64 | 512,421 | 67,842 | 26,665 | 148,377 | 269,537 | 75 | 26 | 19,423 | 438 | 133,358 | |
| 30 Hempstead | 86 | 500,857 | 98,619 | 81,955 | 190,218 | 180,065 | 104 | 20 | 18,396 | 411 | 122,811 | |
| 31 Hot Spring | 62 | 702,889 | 138,865 | 90,469 | 249,746 | 223,309 | 55 | 47 | 42,710 | 796 | 178,823 | |
| 32 Howard | 45 | 109,375 | 8,060 | 11,825 | 52,895 | 36,595 | 57 | 6 | 2,593 | 96 | 20,674 | |
| 33 Independence | 91 | 169,244 | 20,353 | 23,670 | 78,628 | 41,593 | 111 | 8 | 5,670 | 181 | 58,261 | |
| 34 Izard | 43 | 86,003 | 12,230 | 9,065 | 48,870 | 15,788 | 63 | 1 | 800 | 53 | 6,764 | |
| 35 Jackson | 70 | 384,431 | 106,143 | 55,891 | 171,977 | 50,415 | 81 | 19 | 12,367 | 250 | 76,431 | |
| 36 Jefferson | 190 | 2,988,839 | 858,532 | 395,562 | 915,866 | 828,879 | 196 | 131 | 103,783 | 1,646 | 610,093 | |
| 37 Johnson | 59 | 109,568 | 14,101 | 13,125 | 54,045 | 28,237 | 78 | 2 | 950 | 85 | 24,970 | |
| 38 Lafayette | 25 | 1,512,437 | 704,808 | 138,418 | 287,307 | 381,904 | 22 | 31 | 37,700 | 617 | 264,682 | |
| 39 Lawrence | 54 | 547,472 | 175,871 | 31,302 | 163,161 | 177,133 | 74 | 22 | 17,174 | 391 | 105,797 | |
| 40 Lee | 66 | 440,416 | 75,247 | 42,592 | 143,157 | 179,420 | 84 | 18 | 13,648 | 268 | 74,355 | |
| 41 Lincoln | 44 | 86,781 | 10,425 | 13,245 | 44,072 | 19,039 | 61 | | | 75 | 11,742 | |
| 42 Little River | 41 | 326,458 | 53,088 | 30,540 | 117,909 | 124,921 | 42 | 24 | 18,001 | 312 | 103,360 | |
| 43 Logan | 89 | 173,920 | 18,145 | 21,324 | 88,336 | 46,115 | 111 | 3 | 701 | 159 | 33,356 | |
| 44 Lonoke | 86 | 234,550 | 65,740 | 30,660 | 102,420 | 35,730 | 92 | 12 | 4,474 | 162 | 47,240 | |
| 45 Madison | 61 | 153,221 | 32,767 | 9,815 | 70,574 | 40,065 | 84 | 7 | 3,516 | 182 | 43,995 | |
| 46 Marion | 29 | 91,985 | 35,485 | 9,055 | 33,020 | 14,425 | 39 | | | 39 | 10,305 | |
| 47 Miller | 76 | 640,021 | 90,099 | 92,975 | 307,956 | 157,991 | 82 | 39 | 32,139 | 556 | 198,873 | |
| 48 Mississippi | 69 | 1,076,249 | 247,782 | 72,336 | 278,380 | 477,751 | 87 | 26 | 13,897 | 476 | 119,591 | |
| 49 Monroe | 61 | 636,774 | 57,222 | 108,891 | 282,985 | 187,076 | 56 | 38 | 26,600 | 554 | 163,334 | |
| 50 Montgomery | 26 | 37,778 | 5,233 | 6,525 | 23,130 | 2,885 | 33 | | | 26 | 3,701 | |
| 51 Nevada | 45 | 144,659 | 29,254 | 12,255 | 58,120 | 45,030 | 55 | 10 | 9,150 | 230 | 62,216 | |
| 52 Newton | 21 | 16,715 | 3,445 | 2,055 | 7,945 | 3,270 | 28 | 1 | 350 | 15 | 2,209 | |
| 53 Ouachita | 63 | 2,063,533 | 654,655 | 108,892 | 655,470 | 644,536 | 64 | 80 | 67,418 | 1,216 | 438,618 | |
| 54 Perry | 41 | 87,523 | 12,590 | 8,375 | 47,685 | 18,873 | 56 | 4 | 1,160 | 121 | 31,274 | |
| 55 Phillips | 116 | 1,404,815 | 142,698 | 159,894 | 438,365 | 673,858 | 111 | 70 | 66,720 | 1,061 | 324,018 | |
| 56 Pike | 32 | 319,651 | 174,310 | 8,720 | 67,204 | 69,317 | 41 | 15 | 16,600 | 256 | 68,696 | |
| 57 Poinsett | 21 | 535,526 | 136,099 | 53,700 | 115,062 | 230,665 | 22 | 17 | 16,400 | 324 | 131,151 | |
| 58 Polk | 70 | 862,105 | 28,356 | 24,112 | 124,244 | 185,393 | 92 | 47 | 24,214 | 512 | 142,975 | |
| 59 Pope | 72 | 178,284 | 27,850 | 20,080 | 85,410 | 44,894 | 97 | 1 | 120 | 112 | 24,020 | |
| 60 Prairie | 47 | 197,831 | 49,831 | 14,225 | 67,745 | 66,030 | 49 | 18 | 6,603 | 184 | 50,544 | |
| 61 Pulaski | 249 | 4,168,260 | 373,952 | 578,981 | 1,636,273 | 1,579,944 | 259 | 331 | 282,709 | 3,504 | 1,700,394 | |
| 62 Randolph | 39 | 147,020 | 26,500 | 11,645 | 41,655 | 67,220 | 46 | 6 | 4,720 | 181 | 42,345 | |
| 63 St. Francis | 47 | 246,979 | 16,676 | 71,601 | 118,821 | 39,881 | 65 | 11 | 7,458 | 186 | 49,271 | |
| 64 Saline | 58 | 425,133 | 117,393 | 24,405 | 70,320 | 10,537 | 67 | 17 | 10,537 | 293 | 76,711 | |
| 65 Scott | 47 | 261,271 | 71,227 | 33,145 | 60,731 | 96,168 | 74 | 10 | 4,760 | 230 | 54,338 | |
| 66 Searcy | 19 | 28,765 | 1,745 | 3,810 | 17,355 | 5,855 | 23 | | | 26 | 4,867 | |
| 67 Sebastian | 250 | 1,188,826 | 126,074 | 246,095 | 433,370 | 383,287 | 276 | 74 | 72,894 | 1,081 | 408,310 | |
| 68 Sevier | 68 | 754,173 | 244,115 | 27,064 | 248,373 | 234,024 | 89 | 17 | 9,510 | 513 | 143,049 | |
| 69 Sharp | 44 | 61,473 | 11,895 | 10,765 | 28,310 | 10,503 | 57 | | | 41 | 7,941 | |
| 70 Stowe | 17 | 16,985 | 2,300 | 8,975 | 1,645 | | 28 | 1 | 175 | 12 | 1,784 | |
| 71 Union | 58 | 1,057,985 | 273,525 | 57,868 | 359,627 | 366,905 | 54 | 39 | 43,650 | 567 | 192,021 | |

Table 6 shows the totals for the state by counties.

Table 7 shows the totals for the state by specified industries.

Table 8 shows the totals for the city of Little Rock by specified industries.

Table 9 shows the totals for all industries in the cities withdrawn from the enumerators, exclusive of Little Rock, shown in Table 8.

BY COUNTIES: 1900.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-------------|------------------------------|-----------|------------------------------|-----------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 25,168 | \$8,424,011 | 700 | \$159,820 | 643 | \$102,460 | \$1,482,779 | \$189,293 | \$222,922 | \$1,002,164 | \$68,400 | \$23,063,768 | \$23,579,328 | \$384,440 | \$44,883,783 | 1 |
| 81 | 22,558 | 5 | 900 | | | 4,160 | 1,125 | 879 | 2,126 | 30 | 72,722 | 70,765 | 1,967 | 148,123 | 2 |
| 207 | 46,915 | 4 | 600 | 1 | 200 | 9,264 | 940 | 1,414 | 4,910 | 2,000 | 130,012 | 127,411 | 2,601 | 263,861 | 3 |
| 22 | 4,205 | 2 | 250 | 1 | 104 | 2,354 | 344 | 291 | 1,619 | 100 | 35,647 | 34,111 | 1,436 | 63,645 | 4 |
| 214 | 58,511 | 58 | 8,241 | 11 | 1,073 | 44,122 | 4,404 | 1,915 | 30,465 | 1,338 | 550,694 | 534,744 | 15,850 | 872,251 | 5 |
| 60 | 14,437 | 6 | 540 | 8 | 200 | 6,438 | 962 | 759 | 4,172 | 545 | 140,491 | 136,176 | 4,815 | 216,399 | 6 |
| 281 | 71,219 | 8 | 493 | 12 | 1,690 | 11,678 | 2,311 | 1,220 | 3,142 | | 198,850 | 197,946 | 904 | 449,839 | 7 |
| 526 | 180,279 | | | | | 14,305 | 75 | 2,641 | 11,589 | | 433,723 | 433,339 | 334 | 635,815 | 8 |
| 106 | 81,812 | 4 | 590 | 9 | 816 | 6,271 | 1,679 | 1,254 | 3,188 | 150 | 195,277 | 192,331 | 2,946 | 332,138 | 9 |
| 179 | 58,182 | | | 1 | 50 | 3,116 | 470 | 913 | 1,733 | | 100,914 | 98,721 | 2,193 | 270,051 | 10 |
| 607 | 168,667 | 18 | 3,899 | 21 | 2,873 | 14,258 | 272 | 8,547 | 10,439 | | 463,449 | 460,751 | 2,698 | 677,455 | 11 |
| 382 | 119,342 | | | 27 | 5,845 | 10,618 | 698 | 3,494 | 6,526 | | 318,698 | 311,341 | 2,357 | 680,962 | 12 |
| 56 | 9,528 | | | 3 | 335 | 2,425 | 165 | 582 | 1,723 | | 54,734 | 53,214 | 1,520 | 103,875 | 13 |
| 543 | 156,908 | | | 9 | 1,415 | 13,278 | 866 | 4,313 | 8,099 | | 373,064 | 372,696 | 368 | 683,406 | 14 |
| 216 | 53,910 | | | 4 | 747 | 12,016 | 650 | 2,066 | 9,291 | | 169,504 | 165,645 | 2,859 | 303,731 | 15 |
| 105 | 30,073 | 1 | 250 | 1 | 200 | 8,493 | 3,917 | 801 | 575 | 3,200 | 55,559 | 53,353 | 2,176 | 153,382 | 16 |
| 747 | 265,305 | 25 | 6,652 | 56 | 7,545 | 27,085 | 3,751 | 5,086 | 18,248 | | 658,652 | 654,275 | 4,377 | 1,197,581 | 17 |
| 178 | 69,747 | 5 | 1,560 | 10 | 1,786 | 8,138 | 3,850 | 779 | 4,000 | | 84,616 | 80,296 | 4,320 | 239,510 | 18 |
| 314 | 101,857 | | | | | 12,514 | 1,117 | 1,832 | 9,515 | | 282,616 | 281,142 | 1,474 | 522,058 | 19 |
| 193 | 58,676 | 2 | 320 | 1 | 125 | 7,209 | 950 | 1,995 | 4,255 | | 140,934 | 140,073 | 861 | 267,238 | 20 |
| 382 | 123,623 | 5 | 1,119 | 1 | 140 | 24,934 | 1,009 | 3,558 | 20,367 | | 367,077 | 366,509 | 508 | 728,588 | 21 |
| 126 | 42,857 | 2 | 500 | 6 | 493 | 3,108 | 1,117 | 2,905 | 4,086 | | 93,417 | 91,596 | 1,821 | 194,391 | 22 |
| 408 | 130,774 | 1 | 160 | 14 | 2,120 | 12,793 | 881 | 2,673 | 9,179 | 60 | 309,864 | 307,400 | 2,464 | 570,237 | 23 |
| 114 | 29,984 | 4 | 925 | 2 | 810 | 6,455 | 1,049 | 1,107 | 4,239 | | 162,629 | 158,874 | 3,755 | 267,808 | 24 |
| 63 | 14,427 | | | | | 1,619 | 459 | 545 | 615 | | 61,138 | 59,027 | 1,511 | 123,264 | 25 |
| 71 | 14,224 | 58 | 10,039 | 34 | 2,955 | 6,788 | 1,933 | 932 | 2,873 | | 155,412 | 152,454 | 2,958 | 248,788 | 26 |
| 319 | 123,423 | 12 | 2,975 | 4 | 452 | 26,911 | 15,255 | 3,226 | 8,430 | | 237,464 | 229,284 | 8,180 | 561,270 | 27 |
| 81 | 7,441 | | | 1 | 75 | 290 | 30 | 179 | 81 | | 19,748 | 19,458 | 290 | 40,023 | 28 |
| 393 | 125,856 | 5 | 1,000 | 40 | 6,502 | 16,474 | 1,993 | 2,265 | 11,086 | 530 | 463,890 | 460,821 | 3,069 | 810,105 | 29 |
| 400 | 119,081 | 8 | 1,892 | 6 | 1,838 | 14,268 | 1,099 | 3,700 | 9,469 | | 388,572 | 380,604 | 2,968 | 703,035 | 30 |
| 781 | 176,011 | 6 | 1,570 | 9 | 1,242 | 26,901 | 4,082 | 4,510 | 17,975 | 384 | 664,157 | 654,876 | 9,281 | 1,142,823 | 31 |
| 85 | 19,431 | 8 | 971 | 3 | 272 | 4,307 | 22 | 786 | 3,499 | | 70,904 | 68,325 | 2,570 | 243,201 | 32 |
| 174 | 51,271 | 5 | 1,330 | 2 | 160 | 9,191 | 2,023 | 1,421 | 2,041 | 3,701 | 144,994 | 140,316 | 4,678 | 254,337 | 33 |
| 51 | 6,544 | | | 2 | 220 | 1,950 | 157 | 575 | 1,218 | | 64,230 | 62,949 | 1,281 | 109,255 | 34 |
| 249 | 76,251 | 1 | 180 | | | 19,583 | 3,315 | 2,827 | 11,707 | 1,734 | 204,137 | 194,338 | 9,799 | 403,831 | 35 |
| 1,597 | 599,243 | 33 | 8,954 | 11 | 1,896 | 109,774 | 11,266 | 11,317 | 86,781 | 410 | 1,150,115 | 1,118,267 | 31,948 | 2,407,820 | 36 |
| 79 | 24,280 | 1 | 240 | 5 | 450 | 2,699 | 679 | 729 | 1,201 | | 80,697 | 78,353 | 2,344 | 156,925 | 37 |
| 610 | 263,687 | | | 7 | 975 | 32,767 | 159 | 5,057 | 27,551 | | 934,440 | 933,493 | 942 | 1,438,419 | 38 |
| 875 | 102,084 | 1 | 150 | 15 | 3,563 | 44,289 | 1,378 | 21,535 | 21,331 | 25 | 286,716 | 283,738 | 2,978 | 663,216 | 39 |
| 265 | 73,355 | 3 | 1,000 | | | 6,467 | 1,082 | 1,484 | 3,899 | 2 | 194,931 | 191,324 | 3,607 | 415,456 | 40 |
| 75 | 11,742 | | | | | 1,765 | 65 | 609 | 1,091 | | 21,793 | 20,419 | 1,374 | 63,609 | 41 |
| 311 | 103,160 | | | 1 | 200 | 10,860 | 217 | 1,797 | 8,786 | 60 | 304,809 | 303,776 | 1,033 | 435,120 | 42 |
| 152 | 37,456 | 3 | 450 | 4 | 350 | 5,089 | 874 | 1,550 | 2,250 | 415 | 164,464 | 161,671 | 2,793 | 254,850 | 43 |
| 159 | 46,520 | 1 | 474 | 2 | 246 | 6,835 | 1,107 | 1,671 | 3,957 | 100 | 81,051 | 77,886 | 3,215 | 229,032 | 44 |
| 179 | 43,390 | | | 3 | 605 | 3,337 | 859 | 774 | 2,154 | 50 | 174,252 | 172,594 | 1,668 | 331,600 | 45 |
| 37 | 9,906 | | | 2 | 399 | 1,487 | 340 | 754 | 393 | | 83,125 | 81,625 | 1,500 | 123,932 | 46 |
| 502 | 186,051 | 38 | 10,302 | 16 | 2,520 | 40,459 | 6,421 | 5,482 | 28,556 | | 634,327 | 621,615 | 12,712 | 1,085,295 | 47 |
| 470 | 118,423 | 6 | 1,168 | | | 19,635 | 1,157 | 7,947 | 10,531 | | 338,421 | 378,908 | 4,513 | 857,406 | 48 |
| 539 | 160,594 | 8 | 1,870 | 7 | 870 | 27,221 | 1,799 | 2,823 | 22,599 | | 399,897 | 394,196 | 5,701 | 725,066 | 49 |
| 24 | 3,551 | | | 2 | 150 | 1,699 | | 278 | 1,421 | | 22,499 | 22,044 | 455 | 38,026 | 50 |
| 223 | 60,746 | 5 | 1,280 | 2 | 240 | 10,401 | 578 | 2,294 | 7,354 | 175 | 90,131 | 88,940 | 1,191 | 213,382 | 51 |
| 14 | 2,059 | | | 1 | 150 | 3,021 | 352 | 171 | 2,498 | | 19,259 | 19,040 | 219 | 37,125 | 52 |
| 1,194 | 431,539 | | | 22 | 4,029 | 62,740 | 1,283 | 12,774 | 48,111 | 572 | 1,482,643 | 1,478,732 | 3,911 | 2,511,180 | 53 |
| 120 | 31,199 | | | 1 | 75 | 1,743 | 350 | 469 | 924 | | 67,761 | 66,614 | 1,147 | 142,104 | 54 |
| 1,014 | 311,274 | 18 | 8,630 | 29 | 4,114 | 31,520 | 7,318 | 8,583 | 56,189 | 9,430 | 921,108 | 903,671 | 17,437 | 1,673,012 | 55 |
| 256 | 63,696 | | | | | 4,062 | 1,552 | 1,170 | 1,340 | | 242,855 | 242,419 | 436 | 387,565 | 56 |
| 320 | 129,827 | | | 4 | 1,324 | 6,866 | 66 | 2,964 | 3,896 | | 260,331 | 259,624 | 707 | 519,711 | 57 |
| 502 | 140,694 | | | 10 | 2,281 | 9,727 | 1,100 | 2,477 | 6,150 | | 591,916 | 590,971 | 945 | 868,875 | 58 |
| 105 | 23,360 | 6 | 610 | 1 | 50 | 4,741 | 1,004 | 1,028 | 2,709 | | 95,020 | 91,752 | 3,268 | 188,848 | 59 |
| 182 | 50,318 | | | 2 | 226 | 3,445 | 339 | 1,022 | 2,084 | | 99,635 | 98,538 | 1,102 | 224,408 | 60 |
| 3,260 | 1,653,652 | 194 | 41,750 | 50 | 4,992 | 319,909 | 47,820 | 23,263 | 238,606 | 10,130 | 2,886,754 | 2,787,255 | 99,499 | 6,055,628 | 61 |
| 129 | 42,158 | | | 2 | 192 | 2,843 | 402 | 656 | 1,775 | 10 | 115,999 | 114,641 | 1,358 | 207,114 | 62 |
| 182 | 48,571 | 1 | 200 | 3 | 500 | 16,958 | 250 | 1,683 | 15,025 | | 237,227 | 230,330 | 6,897 | 399,874 | 63 |
| 239 | 75,026 | 2 | 425 | 2 | 260 | 3,888 | 326 | 2,290 | 1,272 | | 802,827 | 300,195 | 2,032 | 633,013 | 64 |
| 222 | 53,743 | | | 3 | 595 | 4,115 | 170 | 872 | 3,073 | | 305,945 | 305,829 | 1,116 | 447,205 | 65 |
| 25 | 4,667 | | | 1 | 200 | 3,553 | 161 | 188 | 3,204 | | 35,122 | 33,912 | 1,210 | 59,477 | 66 |
| 925 | 360,908 | 84 | 25,939 | 72 | 21,468 | 126,337 | 26,559 | 7,493 | 62,985 | 29,200 | 950,835 | 926,465 | 24,370 | 2,203,674 | 67 |
| 503 | 141,283 | | | 10 | 1,766 | 16,596 | 301 | 6,626 | 9,644 | 25 | 515,526 | 513,526 | 1,594 | 940,430 | 68 |
| 37 | 7,376 | | | 4 | 565 | 2,940 | 400 | 573 | 1,967 | | 87,256 | 86,550 | 706 | 134,829 | 69 |
| 11 | 1,634 | | | 1 | 150 | 360 | 98 | 158 | 104 | | 24,321 | 24,321 | 523 | 36,141 | 70 |
| 556 | 189,970 | 3 | 945 | 8 | 1,106 | 30,094 | 349 | 5,312 | 23,483 | 1,000 | 651,208 | 649,386 | 1,817 | 1,055,239 | 71 |

TABLE 6.—MANUFACTURES

| | COUNTIES AND MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|----|---|---------------------------|----------|---------|------------|------------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|---------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and imple-ments. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average number. | Wages. |
| | | | | | | | | | | | | |
| 72 | Van Buren | 28 | \$35,367 | \$4,746 | \$5,387 | \$17,462 | \$7,772 | 37 | 1 | \$75 | 80 | \$4,332 |
| 73 | Washington | 182 | 519,433 | 43,590 | 64,097 | 140,391 | 271,355 | 176 | 20 | 14,127 | 336 | 93,473 |
| 74 | White | 89 | 332,501 | 99,820 | 26,210 | 94,685 | 111,786 | 111 | 10 | 4,890 | 276 | 63,009 |
| 75 | Woodruff | 46 | 280,318 | 119,185 | 21,340 | 93,011 | 46,782 | 55 | 7 | 3,252 | 148 | 40,218 |
| 76 | Yell | 113 | 458,022 | 139,815 | 32,440 | 180,877 | 111,390 | 152 | 18 | 9,445 | 395 | 102,716 |

TABLE 7.—MANUFACTURES BY

| | | | | | | | | | | | |
|---|-------|--------------|-------------|-------------|--------------|--------------|-------|-------|-------------|--------|-------------|
| 1 All industries | 4,794 | \$35,960,640 | \$8,164,629 | \$3,681,258 | \$12,444,494 | \$11,670,259 | 5,751 | 1,649 | \$1,251,096 | 26,501 | \$3,636,291 |
| 2 Bicycle and tricycle repairing | 12 | 9,865 | 850 | 1,050 | 4,315 | 4,150 | 17 | | | 10 | 3,850 |
| 3 Blacksmithing and wheelwrighting | 533 | 300,144 | 42,445 | 49,164 | 81,354 | 127,181 | 654 | 3 | 1,344 | 266 | 88,379 |
| 4 Bluing | 4 | 10,025 | 3,500 | 4,000 | 680 | 1,845 | 5 | | | 10 | 3,650 |
| 5 Boots and shoes, custom work and repairing | 80 | 19,960 | 2,365 | 1,835 | 7,037 | 8,723 | 81 | 1 | 200 | 31 | 13,021 |
| 6 Bread and other bakery products | 23 | 73,822 | 16,800 | 19,250 | 19,365 | 18,407 | 25 | 4 | 2,000 | 61 | 24,108 |
| 7 Brick and tile | 55 | 810,295 | 77,585 | 98,280 | 65,069 | 69,361 | 66 | 23 | 17,721 | 402 | 100,252 |
| 8 Brooms and brushes | 15 | 12,265 | 1,365 | 2,275 | 1,975 | 6,650 | 18 | | | 34 | 11,481 |
| 9 Carpentering | 59 | 81,684 | 13,245 | 20,825 | 10,900 | 36,714 | 66 | | | 169 | 72,562 |
| 10 Carriage and wagon materials | 14 | 239,508 | 5,415 | 19,663 | 52,385 | 102,045 | 16 | 25 | 18,661 | 214 | 62,614 |
| 11 Carriages and wagons | 40 | 176,820 | 17,827 | 29,957 | 35,518 | 93,518 | 58 | 5 | 2,300 | 150 | 54,718 |
| 12 Cars and general shop construction and repairs by steam railroad companies | 21 | 720,907 | 50,950 | 114,780 | 209,697 | 345,480 | | 103 | 97,935 | 1,927 | 1,208,761 |
| 13 Cheese, butter, and condensed milk, factory product | 8 | 26,503 | 885 | 6,229 | 16,021 | 3,363 | 5 | 3 | 1,446 | 6 | 1,784 |
| 14 Clothing, men's, custom work and repairing | 64 | 115,509 | 10,270 | 9,050 | 11,788 | 84,403 | 71 | 13 | 12,095 | 201 | 111,651 |
| 15 Clothing, women's, dressmaking | 16 | 25,310 | 1,500 | 2,600 | 11,940 | 9,270 | 20 | 3 | 2,300 | 36 | 13,630 |
| 16 Confectionery | 5 | 97,350 | 5,000 | 15,000 | 14,800 | 62,550 | 5 | 18 | 9,690 | 68 | 17,698 |
| 17 Cooperage | 10 | 150,985 | 1,850 | 8,374 | 18,563 | 122,193 | 11 | 8 | 4,646 | 126 | 85,423 |
| 18 Cotton, compressing | 6 | 284,457 | 35,025 | 77,348 | 159,000 | 13,094 | 18 | 18 | 16,450 | 153 | 47,361 |
| 19 Cotton, ginning | 1,150 | 1,838,698 | 47,423 | 304,284 | 1,374,618 | 62,373 | 1,836 | 104 | 8,424 | 1,103 | 146,041 |
| 20 Druggists' preparations, not including prescriptions | 4 | 8,020 | | | 2,520 | 5,500 | 4 | | | 9 | 1,989 |
| 21 Dyeing and cleaning | 11 | 7,290 | 1,500 | 250 | 2,775 | 2,765 | 11 | | | 11 | 4,140 |
| 22 Fancy articles, not elsewhere specified | 3 | 3,360 | 600 | 1,700 | 255 | 805 | 2 | 1 | 365 | 2 | 310 |
| 23 Flouring and grist mill products | 410 | 1,183,052 | 75,663 | 249,321 | 620,403 | 237,660 | 506 | 36 | 21,526 | 443 | 116,445 |
| 24 Foundry and machine shop products | 36 | 432,163 | 53,465 | 59,264 | 135,811 | 183,623 | 34 | 27 | 24,672 | 275 | 131,669 |
| 25 Fruits and vegetables, canning and preserving | 34 | 33,038 | 2,580 | 13,128 | 7,835 | 9,500 | 44 | 2 | 350 | 186 | 21,942 |
| 26 Furniture, cabinetmaking, repairing, and upholstering | 25 | 29,502 | 275 | 750 | 8,545 | 19,932 | 31 | 2 | 800 | 36 | 14,266 |
| 27 Furniture, factory product | 3 | 150,327 | 5,850 | 31,154 | 59,701 | 54,122 | 9 | 4 | 3,300 | 206 | 64,873 |
| 28 Gas, illuminating and heating | 7 | 829,285 | 62,000 | 62,575 | 474,462 | 230,243 | | 23 | 16,469 | 34 | 21,539 |
| 29 Ice, artificial | 15 | 568,657 | 57,500 | 68,950 | 371,834 | 75,373 | 8 | 21 | 21,700 | 149 | 56,910 |
| 30 Leather, tanned, curried, and finished | 3 | 2,190 | 80 | 425 | 1,080 | 625 | 3 | | | 3 | 750 |
| 31 Lime and cement | 5 | 53,984 | 11,593 | 10,865 | 9,396 | 22,125 | 4 | 6 | 3,075 | 78 | 15,600 |
| 32 Liquors, distilled | 18 | 48,738 | 1,370 | 8,500 | 12,225 | 26,643 | 23 | 1 | 150 | 23 | 6,878 |
| 33 Lock and gun smithing | 15 | 7,740 | 200 | 450 | 5,210 | 1,850 | 16 | | | 9 | 3,785 |
| 34 Lumber and timber products | 1,199 | 21,727,710 | 7,060,807 | 1,333,333 | 5,983,439 | 7,333,631 | 1,665 | 769 | 609,805 | 15,895 | 4,730,413 |
| 35 Lumber, planing, mill products, including sash, doors, and blinds | 50 | 1,213,011 | 88,910 | 108,136 | 288,213 | 727,702 | 67 | 89 | 66,969 | 1,082 | 345,306 |
| 36 Marble and stone work | 11 | 67,685 | 18,900 | 5,150 | 16,110 | 27,525 | 12 | 22 | 6,720 | 104 | 52,600 |
| 37 Masonry, brick and stone | 3 | 2,677 | | | 620 | 2,057 | 3 | 1 | 600 | 27 | 7,985 |
| 38 Mattresses and spring beds | 6 | 15,246 | | | 3,799 | 11,447 | 6 | 2 | 2,250 | 41 | 16,920 |
| 39 Millinery, custom work | 116 | 137,657 | 9,550 | 14,250 | 8,937 | 104,920 | 138 | 20 | 11,730 | 201 | 58,082 |
| 40 Mineral and soda waters | 26 | 106,854 | 5,435 | 9,385 | 48,772 | 48,262 | 30 | 18 | 20,030 | 53 | 16,384 |
| 41 Monuments and tombstones | 29 | 28,107 | 2,365 | 1,645 | 2,035 | 21,462 | 85 | 2 | 1,400 | 37 | 16,243 |
| 42 Oil, cottonseed and cake | 20 | 2,484,794 | 207,353 | 642,473 | 1,272,061 | 362,907 | 1 | 94 | 116,364 | 667 | 232,356 |
| 43 Painting, house, sign, etc | 21 | 55,670 | 6,650 | 5,150 | 5,920 | 37,950 | 26 | 11 | 5,765 | 102 | 48,376 |
| 44 Patent medicines and compounds | 7 | 69,560 | | 10 | 1,575 | 67,975 | 5 | 5 | 4,325 | 24 | 10,435 |
| 45 Paving and paving materials | 4 | 17,305 | 8,000 | 705 | 5,800 | 2,800 | 5 | 5 | 2,420 | 67 | 19,914 |
| 46 Photography | 53 | 53,521 | 7,740 | 9,841 | 23,625 | 12,815 | 55 | 2 | 700 | 27 | 11,929 |
| 47 Plumbing, and gas and steam fitting | 22 | 123,399 | 4,200 | 5,000 | 11,750 | 107,449 | 27 | 16 | 12,120 | 143 | 71,773 |
| 48 Pottery, terra cotta, and fire-clay products | 10 | 78,024 | 6,488 | 22,588 | 23,953 | 19,995 | 10 | 4 | 4,920 | 92 | 27,000 |
| 49 Printing and publishing, book and job | 13 | 123,805 | | | 101,525 | 27,340 | 13 | 14 | 12,332 | 104 | 49,356 |
| 50 Printing and publishing, newspapers and periodicals | 217 | 648,833 | 18,510 | 29,343 | 395,693 | 210,337 | 243 | 50 | 44,905 | 600 | 215,410 |
| 51 Roofing and roofing materials | 4 | 8,600 | 2,000 | 2,000 | 1,000 | 3,600 | 5 | | | 12 | 7,650 |
| 52 Saddlery and harness | 66 | 173,432 | 21,410 | 28,735 | 19,270 | 104,017 | 79 | 5 | 2,770 | 85 | 40,313 |
| 53 Sewing machine repairing | 6 | 1,725 | | | 585 | 1,140 | 8 | 1 | 1,000 | 4 | 2,200 |
| 54 Tinsmithing, coppersmithing, and sheet-iron working | 45 | 123,180 | 34,295 | 24,975 | 23,775 | 40,135 | 59 | 3 | 2,140 | 99 | 44,931 |
| 55 Tobacco, cigars and cigarettes | 19 | 20,241 | 3,815 | 2,920 | 1,480 | 12,526 | 20 | 1 | 600 | 37 | 15,648 |
| 56 Watch, clock, and jewelry repairing | 76 | 87,276 | 7,020 | 8,035 | 24,198 | 48,023 | 84 | | | 40 | 26,376 |
| 57 Wood, turned and carved | 5 | 27,144 | 500 | 4,453 | 12,951 | 9,240 | 2 | 3 | 3,200 | 61 | 20,572 |
| 58 Woolen goods | 13 | 43,525 | 2,855 | 6,000 | 17,800 | 16,870 | 13 | 3 | 903 | 27 | 5,158 |
| 59 All other industries | 44 | 600,096 | 47,350 | 70,290 | 331,943 | 210,513 | 40 | 46 | 34,509 | 485 | 120,026 |

¹ Does not include many gineries operated in connection with saw, grist, and cottonseed oil mills or for the use exclusively of plantations on which they are located. For the full number of gineries in operation reference should be made to the special report on Cotton Ginning.

² Embraces awnings, tents, and sails; 2; boxes, wooden packing; 2; bridges, 1; buttons, 1; carpets, rag, 1; china decorating, 1; clocks, 1; clothing, men's, factory product, 2; coffins, burial cases, and undertakers' goods, 2; cordage and twine, 1; cordials and sirups, 1; cotton goods, 2; electrical construction and

BY COUNTIES: 1900—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. |
|--|---------|------------------------------|---------|------------------------------|---------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | |
| Average num- ber. | Wages. | Average num- ber. | Wages. | Average num- ber. | Wages. | | | | | | | | | |
| 30 | \$4,832 | | | | | \$719 | | \$256 | \$386 | | \$23,157 | \$22,550 | \$607 | \$46,190 |
| 287 | 85,272 | 31 | \$6,154 | 18 | \$2,047 | 27,308 | 3,676 | 3,090 | 19,156 | \$1,386 | 632,019 | 616,158 | 15,861 | 952,781 |
| 258 | 60,198 | 6 | 939 | 17 | 1,872 | 11,520 | 724 | 2,946 | 6,405 | 1,445 | 195,732 | 193,327 | 2,405 | 395,021 |
| 144 | 39,168 | 2 | 700 | 2 | 350 | 7,007 | 3,925 | 1,305 | 1,002 | 175 | 91,230 | 92,472 | 1,758 | 214,669 |
| 390 | 102,081 | 1 | 234 | 4 | 401 | 8,744 | 758 | 2,402 | 5,566 | 18 | 279,713 | 275,370 | 4,343 | 546,561 |

SPECIFIED INDUSTRIES: 1900.

| | | | | | | | | | | | | | | | |
|--------|-------------|-----|-----------|-----|-----------|-------------|-----------|-----------|-------------|----------|--------------|--------------|-----------|--------------|----|
| 25,158 | \$8,424,011 | 700 | \$159,820 | 643 | \$102,460 | \$1,482,779 | \$189,293 | \$222,922 | \$1,002,164 | \$68,400 | \$23,903,768 | \$23,579,328 | \$384,440 | \$44,883,788 | 1 |
| 8 | 3,650 | | | 2 | 200 | 2,574 | 1,385 | 71 | 1,163 | | 10,572 | 10,388 | 189 | 28,401 | 2 |
| 253 | 85,728 | | | 13 | 2,651 | 23,696 | 13,275 | 2,545 | 6,588 | 1,238 | 167,665 | 150,424 | 17,241 | 603,463 | 3 |
| 8 | 3,190 | | | 2 | 460 | 1,051 | 404 | 100 | 547 | | 1,918 | 1,875 | 38 | 10,900 | 4 |
| 30 | 12,671 | | | 1 | 350 | 7,684 | 6,280 | 258 | 996 | 150 | 28,313 | 27,840 | 473 | 86,205 | 5 |
| 54 | 21,988 | 1 | 360 | 6 | 1,760 | 6,811 | 3,872 | 623 | 2,816 | | 64,710 | 62,497 | 2,213 | 129,911 | 6 |
| 382 | 97,582 | | | 20 | 2,670 | 7,392 | 232 | 1,356 | 5,804 | | 51,724 | 14,388 | 37,391 | 277,207 | 7 |
| 28 | 10,268 | 2 | 800 | 4 | 313 | 989 | 362 | 98 | 529 | | 9,929 | 9,689 | 240 | 42,390 | 8 |
| 162 | 70,162 | | | 7 | 2,400 | 25,355 | 2,410 | 639 | 2,096 | 20,210 | 140,868 | 140,500 | 368 | 348,027 | 9 |
| 210 | 62,080 | | | 4 | 534 | 9,639 | 1,250 | 1,030 | 7,359 | | 216,644 | 215,094 | 1,550 | 357,626 | 10 |
| 150 | 54,718 | | | | | 8,121 | 1,904 | 1,334 | 4,611 | 272 | 103,666 | 100,193 | 3,473 | 223,790 | 11 |
| 1,927 | 1,203,761 | | | | | 27,124 | | 5,504 | 21,620 | | 765,008 | 744,524 | 20,479 | 2,095,447 | 12 |
| 5 | 1,784 | | | | | 374 | | 167 | 187 | 20 | 24,538 | 23,988 | 550 | 32,717 | 13 |
| 166 | 100,996 | 32 | 10,237 | 3 | 418 | 26,502 | 15,810 | 864 | 9,748 | 80 | 134,927 | 133,316 | 1,611 | 380,691 | 14 |
| 7 | 3,000 | 28 | 10,555 | 1 | 125 | 4,964 | 2,216 | 170 | 2,578 | | 17,679 | 17,550 | 129 | 61,165 | 15 |
| 29 | 13,190 | 39 | 4,408 | | | 9,213 | 3,120 | 108 | 5,895 | | 84,674 | 82,564 | 2,110 | 135,980 | 16 |
| 125 | 35,356 | | | 1 | 72 | 12,060 | 349 | 1,156 | 9,205 | 1,350 | 157,966 | 157,851 | 115 | 288,892 | 17 |
| 150 | 46,889 | 2 | 375 | 1 | 97 | 25,264 | 850 | 2,370 | 22,544 | | 8,442 | 3,132 | 5,310 | 132,128 | 18 |
| 1,100 | 145,932 | | | 3 | 109 | 43,740 | 10,152 | 13,796 | 19,707 | 85 | 342,125 | 284,699 | 57,426 | 1,261,097 | 19 |
| 8 | 1,953 | | | 1 | 36 | 2,152 | 436 | 68 | 1,648 | | 6,137 | 6,115 | 22 | 14,830 | 20 |
| 9 | 3,420 | 2 | 720 | | | 2,288 | 1,788 | 50 | 498 | | 3,543 | 3,273 | 270 | 19,855 | 21 |
| 2 | 310 | | | | | 81 | | 33 | 8 | 40 | 267 | 207 | 60 | 2,010 | 22 |
| 440 | 116,258 | | | 3 | 192 | 44,081 | 2,207 | 8,929 | 31,006 | 2,539 | 3,029,236 | 2,081,121 | 48,115 | 3,704,709 | 23 |
| 272 | 180,419 | | | 3 | 1,220 | 26,567 | 5,345 | 2,880 | 18,192 | 200 | 154,876 | 133,490 | 16,385 | 417,514 | 24 |
| 50 | 10,079 | 72 | 10,495 | 14 | 1,868 | 952 | 35 | 213 | 704 | | 50,954 | 46,648 | 4,306 | 100,503 | 25 |
| 34 | 14,006 | | | 2 | 260 | 4,618 | 3,526 | 126 | 966 | | 37,491 | 36,240 | 1,251 | 72,625 | 26 |
| 184 | 58,814 | 15 | 5,155 | 7 | 1,404 | 8,095 | 500 | 680 | 1,915 | | 84,640 | 83,100 | 1,540 | 232,872 | 27 |
| 34 | 21,589 | | | | | 24,458 | | 4,356 | 20,102 | | 38,228 | 37,070 | 1,158 | 133,921 | 28 |
| 149 | 65,910 | | | | | 27,952 | 696 | 3,832 | 23,424 | | 46,279 | 16,264 | 30,015 | 214,919 | 29 |
| 3 | 750 | | | | | 37 | 10 | 13 | 14 | | 3,590 | 3,490 | 100 | 5,859 | 30 |
| 78 | 15,600 | | | | | 6,409 | 100 | 223 | 1,436 | 4,600 | 29,497 | 21,317 | 8,150 | 70,900 | 31 |
| 23 | 6,378 | | | | | 48,764 | | 309 | 48,455 | | 18,591 | 16,496 | 2,095 | 95,487 | 32 |
| 7 | 8,212 | 1 | 288 | 1 | 285 | 1,726 | 1,264 | 43 | 419 | | 3,883 | 3,029 | 254 | 18,608 | 33 |
| 15,670 | 4,691,024 | 9 | 1,485 | 216 | 37,904 | 522,653 | 12,401 | 130,828 | 369,252 | 10,172 | 13,068,267 | 13,067,968 | 299 | 23,959,983 | 34 |
| 1,030 | 337,644 | 5 | 1,120 | 47 | 7,042 | 60,778 | 9,183 | 5,940 | 42,671 | 2,981 | 1,459,636 | 1,457,286 | 2,350 | 2,266,522 | 35 |
| 99 | 50,740 | | | 5 | 1,860 | 5,600 | 704 | 861 | 3,535 | 600 | 49,458 | 48,477 | 981 | 141,745 | 36 |
| 27 | 7,985 | | | | | 10,301 | 60 | 1 | 240 | 10,000 | 57,510 | 57,500 | 10 | 84,050 | 37 |
| 29 | 12,740 | 10 | 3,680 | 2 | 500 | 7,682 | 2,383 | 99 | 5,195 | | 23,780 | 23,357 | 423 | 71,246 | 38 |
| 8 | 530 | 194 | 56,167 | 4 | 1,385 | 19,959 | 14,353 | 1,180 | 4,396 | 80 | 196,432 | 185,642 | 790 | 388,275 | 39 |
| 49 | 15,934 | 2 | 300 | 2 | 150 | 21,209 | 3,158 | 581 | 17,470 | | 75,422 | 74,257 | 1,165 | 215,188 | 40 |
| 37 | 16,243 | | | | | 2,282 | 1,303 | 170 | 480 | 269 | 47,717 | 47,549 | 168 | 99,782 | 41 |
| 667 | 232,856 | | | | | 160,896 | | 15,866 | 143,321 | 1,709 | 1,995,771 | 1,923,464 | 72,307 | 2,874,864 | 42 |
| 99 | 47,636 | | | 3 | 740 | 5,824 | 3,528 | 1,938 | 1,798 | | 40,347 | 40,097 | 250 | 136,851 | 43 |
| 17 | 9,285 | 6 | 1,000 | 1 | 150 | 10,085 | 1,365 | 490 | 7,370 | | 28,200 | 28,148 | 57 | 92,045 | 44 |
| 60 | 18,514 | | | 7 | 1,400 | 1,057 | 300 | 147 | 610 | | 1,765 | 810 | 965 | 39,140 | 45 |
| 21 | 10,852 | 6 | 1,077 | | | 6,989 | 4,221 | 415 | 2,353 | | 23,529 | 22,880 | 649 | 85,139 | 46 |
| 146 | 71,093 | | | 2 | 675 | 9,929 | 5,752 | 416 | 2,761 | 1,000 | 133,624 | 132,881 | 743 | 287,487 | 47 |
| 92 | 27,000 | | | | | 1,242 | 180 | 174 | 838 | | 11,863 | 2,586 | 9,277 | 59,692 | 48 |
| 84 | 46,438 | 14 | 1,950 | 6 | 933 | 10,758 | 5,344 | 484 | 4,610 | 320 | 65,815 | 63,182 | 2,133 | 174,020 | 49 |
| 884 | 179,932 | 69 | 17,855 | 147 | 17,623 | 79,261 | 19,725 | 3,974 | 49,202 | 6,360 | 171,979 | 163,462 | 8,527 | 339,787 | 50 |
| 12 | 7,650 | | | | | 636 | 145 | 48 | 443 | | 10,275 | 10,240 | 35 | 23,095 | 51 |
| 84 | 39,988 | | | 1 | 325 | 12,685 | 7,788 | 1,593 | 3,179 | 125 | 112,773 | 112,114 | 659 | 234,574 | 52 |
| 4 | 2,200 | | | | | 923 | 630 | 29 | 204 | | 2,298 | 2,195 | 103 | 9,150 | 53 |
| 97 | 44,547 | | | 2 | 384 | 9,754 | 4,872 | 884 | 2,510 | 1,508 | 90,017 | 88,943 | 1,074 | 187,829 | 54 |
| 28 | 13,535 | 1 | 400 | 8 | 1,713 | 10,486 | 1,213 | 437 | 8,820 | 10 | 26,565 | 26,379 | 186 | 67,400 | 55 |
| 35 | 24,401 | 1 | 650 | 4 | 1,325 | 10,952 | 6,828 | 561 | 3,533 | 30 | 34,190 | 33,201 | 929 | 135,245 | 56 |
| 61 | 20,572 | | | | | 771 | 393 | 79 | 299 | | 32,346 | 32,296 | 50 | 63,400 | 57 |
| 14 | 3,264 | 11 | 1,651 | 2 | 243 | 398 | | 308 | 80 | | 28,598 | 27,094 | 1,504 | 42,401 | 58 |
| 222 | 80,285 | 178 | 29,062 | 85 | 10,679 | 63,338 | 4,721 | 2,065 | 54,003 | 2,549 | 332,552 | 313,393 | 14,189 | 710,124 | 59 |

repairs, 1; engraving and diesinking, 1; hand stamps, 2; hardware, 1; hones and whetstones, 1; ironwork, architectural and ornamental, 1; jewelry, 1; liquors, malt, 1; looking-glass and picture frames, 1; optical goods, 1; paper hanging, 1; plastering and stuccowork, 1; saws, 1; ship and boat building, wooden, 1; slaughtering and meat packing, wholesale, 1; slaughtering, wholesale, not including meat packing, 1; smelting and refining, not from the ore, 1; soap and candles, 2; sugar and molasses, refining, 2; trunks and valises, 1; upholstering materials, 2; vinegar and cider, 1; windmills, 1.

TABLE 8.—MANUFACTURES IN LITTLE ROCK

| MANUFACTURING AND MECHANICAL INDUSTRIES AND CITIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|--|---------------------------|-------------|-----------|------------|-----------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-------------|
| | | Total. | Land. | Buildings. | Machinery, tools, and implements. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | Average number. | Wages. |
| 1 All industries ----- | 171 | \$3,434,398 | \$318,962 | \$467,877 | \$1,407,104 | \$1,240,450 | 174 | 292 | \$249,943 | 2,751 | \$1,384,722 |
| 2 Blacksmithing and wheelwrighting ----- | 18 | 16,135 | 1,000 | 2,000 | 7,660 | 5,475 | 23 | 3 | 1,344 | 31 | 14,470 |
| 3 Boots and shoes, custom work and repairing. | 18 | 3,501 | | | 1,176 | 2,325 | 18 | | | 10 | 4,120 |
| 4 Carriages and wagons ----- | 6 | 33,350 | 5,750 | 16,500 | 13,950 | 47,150 | 8 | 3 | 2,100 | 50 | 22,241 |
| 5 Clothing, men's, custom work and repairing. | 14 | 24,870 | | | 2,960 | 21,910 | 16 | 2 | 1,820 | 63 | 33,344 |
| 6 Confectionery ----- | 4 | 30,550 | | | 5,800 | 24,750 | 5 | 12 | 6,690 | 59 | 14,514 |
| 7 Dyeing and cleaning ----- | 3 | 4,945 | 1,500 | 250 | 2,100 | 1,095 | 3 | | | 6 | 2,480 |
| 8 Foundry and machine shop products ----- | 4 | 180,165 | 20,000 | 28,000 | 48,192 | 33,973 | 20 | 20 | 17,836 | 126 | 57,500 |
| 9 Ice, artificial ----- | 3 | 215,713 | 14,500 | 34,500 | 153,534 | 18,179 | 2 | 5 | 5,400 | 65 | 19,400 |
| 10 Lock and gun smithing ----- | 4 | 1,240 | | | 960 | 280 | 4 | | | 4 | 1,248 |
| 11 Lumber, planing mill products, including sash, doors, and blinds. | 5 | 266,910 | 9,800 | 24,650 | 64,000 | 168,460 | 7 | 21 | 18,600 | 215 | 35,644 |
| 12 Millinery, custom work ----- | 4 | 19,100 | | | 1,100 | 18,000 | 6 | 3 | 2,700 | 34 | 12,400 |
| 13 Mineral and soda waters ----- | 4 | 9,550 | 1,400 | 600 | 6,750 | 800 | 4 | 1 | 720 | 7 | 2,927 |
| 14 Oil, cottonseed and cake ----- | 3 | 772,295 | 127,992 | 198,018 | 378,097 | 63,188 | 28 | 28 | 32,581 | 172 | 54,073 |
| 15 Painting, house, sign, etc ----- | 6 | 13,076 | | | 1,425 | 11,650 | 9 | 3 | 1,780 | 30 | 13,825 |
| 16 Photography ----- | 5 | 7,850 | | | 6,100 | 1,750 | 6 | | | 10 | 4,666 |
| 17 Plumbing, and gas and steam fitting ----- | 4 | 60,233 | | | 3,100 | 57,133 | 4 | 8 | 8,640 | 71 | 40,158 |
| 18 Printing and publishing, book and job. | 5 | 80,510 | | | 59,500 | 21,010 | 6 | 11 | 10,332 | 59 | 35,810 |
| 19 Printing and publishing, newspapers and periodicals. | 10 | 220,400 | 1,600 | 1,000 | 123,800 | 94,000 | 8 | 36 | 31,720 | 108 | 70,850 |
| 20 Saddlery and harness ----- | 5 | 4,400 | | | 1,550 | 2,850 | 5 | 1 | 720 | 8 | 2,848 |
| 21 Tinsmithing, coppersmithing, and sheet-iron working. | 6 | 59,700 | 25,000 | 15,000 | 8,125 | 11,575 | 8 | 1 | 1,500 | 28 | 13,364 |
| 22 Watch, clock, and jewelry repairing ----- | 5 | 23,000 | 3,000 | 2,000 | 3,350 | 14,650 | 5 | | | 11 | 9,480 |
| 23 All other industries ¹ ----- | 35 | 1,335,841 | 107,420 | 145,359 | 513,875 | 570,187 | 27 | 134 | 105,960 | 1,581 | 869,859 |

¹ Embraces awnings, tents, and sails, 1; bicycle and tricycle repairing, 2; brick and tile, 2; carpentering, 2; carpets, rag, 1; carriage and wagon materials, 1; cars and general shop construction and repairs by steam railroad companies, 2; cordage and twine, 1; cotton, compressing, 1; druggists' preparations, not including prescriptions, 1; furniture, cabinetmaking, repairing, and upholstering, 1; furniture, factory product, 1; gas, illuminating and heating, 1; hand stamps, 1;

TABLE 9.—MANUFACTURES IN CITIES

| | | | | | | | | | | | |
|--------------------------|-----|-------------|-----------|-----------|-------------|-------------|-----|-----|-----------|-------|-------------|
| 1 Total for cities ----- | 359 | \$4,247,655 | \$363,592 | \$687,934 | \$1,420,482 | \$1,255,647 | 367 | 216 | \$197,923 | 2,540 | \$1,056,839 |
| 2 Fort Smith ----- | 194 | 1,131,924 | 121,582 | 237,360 | 402,452 | 370,530 | 206 | 74 | 72,894 | 1,012 | 394,868 |
| 3 Helena ----- | 48 | 563,146 | 33,990 | 112,074 | 278,133 | 133,949 | 43 | 28 | 29,667 | 272 | 103,702 |
| 4 Pine Bluff ----- | 91 | 2,470,025 | 716,320 | 321,850 | 709,096 | 722,759 | 87 | 106 | 89,743 | 1,111 | 488,646 |
| 5 Van Buren ----- | 31 | 82,560 | 11,700 | 16,650 | 30,801 | 23,409 | 31 | 3 | 5,614 | 145 | 65,278 |

BY SPECIFIED INDUSTRIES: 1900.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-------------|------------------------------|----------|------------------------------|---------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average num- ber. | Wages. | Average num- ber. | Wages. | Average num- ber. | Wages. | | | | | | | | | | |
| 2,512 | \$1,839,015 | 191 | \$40,915 | 48 | \$4,792 | \$295,156 | \$47,166 | \$19,358 | \$221,268 | \$7,364 | \$1,990,081 | \$1,902,129 | \$87,952 | \$4,644,232 | 1 |
| 34 | 14,470 | | | | | 3,484 | 2,625 | 150 | 709 | | 17,033 | 16,026 | 1,012 | 51,204 | 2 |
| 10 | 4,120 | | | | | 2,353 | 1,968 | 25 | 360 | | 6,128 | 6,033 | 40 | 21,889 | 3 |
| 50 | 22,241 | | | | | 3,536 | 856 | 580 | 2,100 | | 36,419 | 35,014 | 1,405 | 73,995 | 4 |
| 44 | 27,954 | 17 | 5,302 | 2 | 88 | 3,560 | 4,300 | 203 | 4,057 | | 36,293 | 35,893 | 400 | 103,777 | 5 |
| 22 | 10,490 | 37 | 4,024 | | | 6,618 | 3,120 | 148 | 3,350 | | 63,824 | 62,014 | 1,310 | 103,980 | 6 |
| 4 | 1,760 | 2 | 720 | | | 900 | 660 | 50 | 190 | | 785 | 650 | 135 | 8,270 | 7 |
| 123 | 57,500 | | | | | 13,617 | 3,400 | 1,261 | 3,956 | | 63,540 | 57,530 | 6,010 | 130,442 | 8 |
| 65 | 19,400 | | | | | 19,575 | 660 | 1,387 | 17,528 | | 12,712 | 3,410 | 9,302 | 78,234 | 9 |
| 3 | 960 | 1 | 288 | | | 605 | 352 | 15 | 238 | | 650 | 600 | 50 | 5,625 | 10 |
| 214 | 85,344 | 1 | 800 | | | 21,284 | 2,886 | 948 | 14,950 | 2,500 | 281,470 | 280,470 | 1,000 | 400,700 | 11 |
| | | 34 | 12,400 | | | 3,300 | 1,790 | 250 | 1,260 | | 30,300 | 30,300 | | 62,880 | 12 |
| 7 | 2,927 | | | | | 661 | 361 | 61 | 239 | | 7,093 | 6,963 | 130 | 19,180 | 13 |
| 172 | 54,073 | | | | | 40,760 | | 4,446 | 36,314 | | 428,161 | 409,262 | 18,899 | 674,259 | 14 |
| 29 | 13,616 | | | 1 | 180 | 2,184 | 1,033 | 137 | 964 | | 12,410 | 12,290 | 120 | 41,951 | 15 |
| 9 | 4,330 | 1 | 327 | | | 1,962 | 1,320 | 54 | 538 | | 4,524 | 4,393 | 131 | 19,450 | 16 |
| 71 | 40,158 | | | | | 3,286 | 1,920 | 129 | 1,237 | | 72,330 | 72,500 | 330 | 142,934 | 17 |
| 51 | 34,630 | 5 | 550 | 3 | 600 | 6,945 | 3,520 | 325 | 2,780 | 320 | 47,230 | 45,585 | 1,645 | 129,000 | 18 |
| 90 | 63,490 | 17 | 6,710 | 1 | 150 | 44,637 | 5,040 | 920 | 34,467 | 4,260 | 40,940 | 37,872 | 3,068 | 286,346 | 19 |
| 8 | 2,848 | | | | | 2,240 | 1,620 | 73 | 547 | | 4,385 | 4,325 | 60 | 12,934 | 20 |
| 28 | 13,364 | | | | | 2,139 | 1,164 | 240 | 785 | | 31,312 | 30,996 | 316 | 62,299 | 21 |
| 11 | 9,480 | | | | | 1,317 | 834 | 123 | 305 | | 12,450 | 12,145 | 314 | 35,398 | 22 |
| 1,464 | 855,821 | 76 | 10,264 | 41 | 3,774 | 105,093 | 7,637 | 7,823 | 89,344 | 234 | 779,578 | 737,803 | 41,775 | 2,038,935 | 23 |

ironwork, architectural and ornamental, 1; jewelry, 1; liquors, malt, 1; lumber and timber products, 2; marble and stone work, 1; mattresses and spring beds, 1; monuments and tombstones, 1; paper hanging, 1; roofing and roofing materials, 1; saws, 1; sewing machine repairing, 2; slaughtering and meat packing, whole sale, 1; tobacco, cigars and cigarettes, 1; trunks and valises, 1; upholstering materials, 1.

UNDER 20,000 IN POPULATION: 1900.

| | | | | | | | | | | | | | | | |
|-------|-----------|-----|----------|----|----------|-----------|----------|----------|-----------|----------|-------------|-------------|----------|-------------|---|
| 2,309 | \$987,800 | 144 | \$44,733 | 87 | \$24,556 | \$273,292 | \$45,567 | \$20,529 | \$176,328 | \$30,868 | \$2,257,378 | \$2,193,793 | \$63,530 | \$4,737,239 | 1 |
| 861 | 347,856 | 83 | 25,589 | 68 | 20,918 | 123,891 | 25,849 | 7,045 | 61,797 | 29,200 | 390,191 | 368,154 | 22,037 | 2,087,044 | 2 |
| 250 | 99,333 | 18 | 8,630 | 4 | 739 | 44,893 | 5,585 | 4,841 | 33,259 | 1,258 | 437,047 | 421,980 | 16,067 | 703,076 | 3 |
| 1,067 | 473,404 | 38 | 8,954 | 6 | 1,188 | 97,445 | 11,091 | 8,153 | 77,791 | 410 | 573,921 | 550,484 | 23,437 | 1,765,590 | 4 |
| 131 | 62,007 | 5 | 1,560 | 9 | 1,711 | 7,063 | 3,092 | 490 | 8,481 | | 56,219 | 53,130 | 3,089 | 177,579 | 5 |

CENSUS BULLETIN.

No. 111.

WASHINGTON, D. C.

November 12, 1901.

MANUFACTURES.

NEW HAMPSHIRE.

HON. WILLIAM R. MERRIAM,

Director of the Census.

SIR: I transmit herewith, for publication in bulletin form, the statistics of manufacturing and mechanical industries for the state of New Hampshire for the census year 1900, taken in accordance with the provisions of section 7 of the act of March 3, 1899. This section requires that "The schedules of inquiries relating to the products of manufacturing and mechanical establishments shall embrace the name and location of each establishment; character of organization, whether individual, cooperative, or other form; date of commencement of operations; character of business or kind of goods manufactured; amount of capital invested; number of proprietors, firm members, copartners, or officers, and the amount of their salaries; number of employees, and the amount of their wages; quantity and cost of materials used in manufactures; amount of miscellaneous expenses; quantity and value of products; time in operation during the census year; character and quantity of power used; and character and number of machines employed."

In each of the above particulars the requirements of the law have been observed, but certain of the data thus elicited are reserved for publication in the final volumes.

These statistics were gathered partly by the enumerators, and partly by special agents under the general supervision of Mr. William H. Stinson, of Concord, who was chief special agent in charge of the collection of the manufacturing statistics of New Hampshire. Mr. Stinson also rendered valuable assistance in the preparation of the text for the accompanying report.

A number of cities and towns in the state were withdrawn from the enumerators and their manufacturing statistics collected by special agents, in accordance with the further provision of section 7 of the Census Act.

Two cities in New Hampshire contain a population exceeding 20,000 each: Manchester and Nashua. The manufacturing statistics of these 2 cities are presented by specified industries, and the statistics of Manchester are presented in comparison with the returns for the Tenth and Eleventh censuses. The statistics of Nashua were not shown separately in 1880 or 1890, and comparison with

those years are, therefore, not possible in this case. Wherever the phrase "urban manufactures" is used in this bulletin, it applies only to those cities or towns which were withdrawn from the enumerators and committed to special agents, and only to the manufacturing establishments within the corporate limits of such places.

The statistics of New Hampshire are presented in 9 tables: Table 1 showing comparative figures for the state at the several censuses; Table 2 showing all the industries of the state divided between hand trades and the manufactures proper, and also the statistics of educational and penal institutions, and establishments with a product of less than \$500, which two latter classes were not reported at previous censuses; Table 3 showing the statistics of the 10 leading industries of the state for 1890 and 1900; Table 4 showing the totals for the city of Manchester at the censuses of 1880, 1890, and 1900; Table 5 showing the urban manufactures of the state in comparison with the totals for the entire state and the state exclusive of the cities and towns withdrawn from the enumerators; Table 6 showing the statistics for the state by counties; Table 7 showing the statistics for the state by specified industries; Table 8 showing the cities of Manchester and Nashua by specified industries; and Table 9 showing the totals for all industries in each of the cities and towns withdrawn from the enumerators (exclusive of those shown in Table 8).

Table 1 shows the growth of manufactures in New Hampshire for the half century which terminates with the Twelfth Census. The manufacturing statistics of the censuses prior to 1850 were too imperfect and fragmentary in character to make it proper to reproduce them in such a table as a measure of industrial growth in the first half of the century. Owing to changes in the method of taking the census, comparisons between the earlier and later decades, represented in Table 1, should be drawn only in the most general way. Nevertheless, the rate of growth in New Hampshire manufactures may be fairly inferred from the figures given.

In drafting the schedules of inquiry for the census of 1900 care was taken to preserve the basis of comparison with prior censuses. Comparison may be made safely with respect to all the items of inquiry except those relating to

capital, salaried officials, clerks, etc., and their salaries, the average number of employees, and the total amount of wages paid. Live capital, that is, cash on hand, bills receivable, unsettled ledger accounts, raw materials, stock in process of manufacture, finished products on hand, and other sundries, was first called for at the census of 1890. No definite attempt was made, prior to the census of 1890, to secure a return of live capital invested.

Changes were made in the inquiries relating to employees and wages in order to eliminate defects found to exist on the form of inquiry adopted in 1890. At the census of 1890 the average number of persons employed during the entire year was called for, and also the average number employed at stated weekly rates of pay, and the average number was computed for the actual time the establishments were reported as being in operation. At the census of 1900 the greatest and least numbers of employees were reported, and also the average number employed during each month of the year. The average number of wage-earners (men, women, and children) employed during the entire year was ascertained by using 12, the number of calendar months, as a divisor into the total of the average numbers reported for each month. This difference in the method of ascertaining the average number of wage-earners during the entire year may have resulted in a variation in the number, and should be considered in making comparisons.

At the census of 1890 the number and salaries of proprietors and firm members actively engaged in the business or in supervision were reported, combined with clerks and other officials. In cases where proprietors and firm members were reported without salaries, the amount that would ordinarily be paid for similar services was estimated. At the census of 1900 only the number of proprietors and firm members actively engaged in the industry or in supervision was ascertained, and no salaries were reported for this class. It is therefore impossible to compare the number and salaries of salaried officials of any character for the two censuses.

Furthermore, the schedules for 1890 included in the wage-earning class, overseers, foremen, and superintendents (not general superintendents or managers), while the census of 1900 separates from the wage-earning class such salaried employees as general superintendents, clerks, and salesmen. It is possible and probable that this change in the form of the question has resulted in eliminating from the wage-earners, as reported by the present census, many high-salaried employees included in that group for the census of 1890.

In some instances, the number of proprietors and firm members, shown in the accompanying tables, falls short of the number of establishments reported. This is accounted for by the fact that no proprietors or firm members are reported for corporations or cooperative establishments. The number of salaried officials, clerks, etc., is the greatest number reported employed at any one time during the year, and this number may appear excessive as compared with the amount of salaries paid. The seeming inconsis-

tency is due to the large number of establishments reporting clerks employed but a short period, who received salaries that would be small if reckoned as for the entire year.

The reports show a capital of \$100,929,661 invested in manufactures and mechanical industries in the 4,671 establishments reporting for the state. This sum represents the value of land, buildings, machinery, tools, and implements, and the live capital utilized, but does not include the capital stock of any of the manufacturing corporations of the state. The value of the products is \$118,669,308, to produce which involved an outlay of \$2,290,210 for salaries of officials, clerks, etc.; \$27,620,247 for wages; \$6,356,131 for miscellaneous expenses, including rent, taxes, etc.; and \$66,348,594 for materials used, mill supplies, freight, and fuel. It is not to be assumed, however, that the difference between the aggregate of these sums and the value of the product is, in any sense, indicative of the profits in the manufacture of the products during the census year. The census schedule takes no cognizance of the cost of selling manufactured articles, or of interest on capital invested, or of the mercantile losses incurred in the business, or of depreciation in plant. The value of the products given is the value as obtained or fixed at the shop or factory. This statement is necessary in order to avoid erroneous conclusions from the figures presented.

The value of products for the state, \$118,669,308, is the gross value, and not the net or true value. The difference between these two should be carefully noted. The gross value is found by adding the values of products in the separate establishments. But the finished product of one establishment is often the raw material for another. In such cases the value of the former reappears in the latter and thus the original cost of certain materials may be included several times in the gross value. The net or true value is found by subtracting from the gross value the value of all materials purchased in a partly manufactured form. In this way the duplications in the gross value are eliminated.

At the census of 1890 the schedule was so framed that it was impossible to find the net or true value. In the present census the schedule asked for the value of the materials in two classes, those purchased in the crude state and those purchased in the partly manufactured form. From the answers to these questions the net or true value of products may be computed. Thus, for New Hampshire, the gross value of products for 1900 was \$118,669,308. The value of materials purchased in a partly manufactured form was \$41,443,740. The difference between them, \$77,225,568, is the net or true value of products, and represents the increase in the value of raw materials resulting from the various processes of manufacture.

Very respectfully,



Chief Statistician for Manufactures.

NEW HAMPSHIRE.

Table 1 shows the manufacturing and mechanical industries of the state of New Hampshire as returned at the censuses of 1850 to 1900, inclusive, with the percentages of increase for each decade. This table also presents the average number of wage-earners employed by manufactur-

ing establishments, in comparison with the total population of the state, and the value of the land and buildings owned and reported by manufacturers as capital, in comparison with the assessed value of all real estate and improvements.

TABLE 1.—COMPARATIVE SUMMARY, 1850 TO 1900, WITH PER CENT OF INCREASE FOR EACH DECADE.

| | DATE OF CENSUS. | | | | | | PER CENT OF INCREASE. | | | | |
|---|-----------------|---------------|---------------|--------------|--------------|--------------|-----------------------|--------------|--------------|--------------|--------------|
| | 1900 | 1890 | 1880 | 1870 | 1860 | 1850 | 1890 to 1900 | 1880 to 1890 | 1870 to 1880 | 1860 to 1870 | 1850 to 1860 |
| Number of establishments | 4,671 | 3,229 | 3,181 | 3,342 | 2,592 | 3,211 | 41.7 | 1.5 | 14.8 | 28.9 | 119.3 |
| Capital | \$100,929,661 | \$79,875,190 | \$51,112,263 | \$36,023,743 | \$23,274,094 | \$18,242,114 | 27.2 | 55.3 | 41.9 | 54.8 | 27.6 |
| Salaries of officials, clerks, etc., number | 2,193 | 2,350 | (3) | (3) | (3) | (3) | 132.5 | | | | |
| Salaries | \$2,290,210 | \$2,320,764 | (3) | (3) | (3) | (3) | 11.3 | | | | |
| Wage-earners, average number | 70,419 | 60,111 | 48,881 | 40,783 | 32,340 | 27,092 | 17.1 | 23.1 | 19.7 | 26.1 | 19.4 |
| Total wages | \$27,620,247 | \$21,927,290 | \$14,814,793 | \$13,823,091 | \$8,110,561 | \$6,123,876 | 26.0 | 48.0 | 7.2 | 70.4 | 32.4 |
| Men, 16 years and over | 46,847 | 37,509 | 29,356 | 25,829 | 18,379 | 14,103 | 24.9 | 27.8 | 13.7 | 40.5 | 30.3 |
| Wages | \$20,704,590 | \$15,706,723 | (3) | (3) | (3) | (3) | 31.8 | | | | |
| Women, 16 years and over | 21,521 | 20,933 | 16,184 | 12,775 | 13,961 | 12,989 | 4.7 | 29.3 | 20.7 | 18.5 | 7.5 |
| Wages | \$6,581,156 | \$5,973,349 | (3) | (3) | (3) | (3) | 10.2 | | | | |
| Children, under 16 years | 1,651 | 1,609 | (3) | (3) | (3) | (3) | 11.1 | 149.3 | 51.0 | | |
| Wages | \$331,501 | \$247,213 | (3) | (3) | (3) | (3) | 34.1 | | | | |
| Miscellaneous expenses | \$6,856,131 | \$4,363,192 | (3) | (3) | (3) | (3) | 45.7 | | | | |
| Cost of materials used | \$66,348,594 | \$47,794,152 | \$43,552,462 | \$44,577,967 | \$20,539,857 | \$12,745,466 | 38.9 | 9.6 | 12.3 | 117.0 | 61.2 |
| Value of products, including custom work and repairing | \$118,669,308 | \$85,770,540 | \$73,978,028 | \$71,033,249 | \$37,586,453 | \$23,164,503 | 38.4 | 15.9 | 4.1 | 89.0 | 62.3 |
| Total population | 411,588 | 376,530 | 346,991 | 318,300 | 326,073 | 317,976 | 9.3 | 8.5 | 9.0 | 12.4 | 2.5 |
| Wage-earners engaged in manufactures | 70,419 | 60,111 | 48,881 | 40,783 | 32,340 | 27,092 | 17.1 | 23.1 | 19.7 | 26.1 | 19.4 |
| Per cent of total population | 17.1 | 16.0 | 14.1 | 12.8 | 9.9 | 8.5 | | | | | |
| Assessed value of real estate | \$162,813,289 | \$141,729,716 | \$122,733,124 | \$85,281,288 | \$59,638,346 | \$67,839,108 | 14.9 | 15.5 | 44.0 | 42.9 | 12.1 |
| Value of land and buildings invested in manufactures ⁶ | \$24,519,807 | \$19,277,415 | (3) | (3) | (3) | (3) | 27.2 | | | | |
| Per cent of assessed value | 15.1 | 13.6 | | | | | | | | | |

¹ Decrease.

² Includes proprietors and firm members, with their salaries; number only reported in 1900. (See Table 7.)

³ Not reported separately.

⁴ Not reported.

⁵ As given in "Valuation and Taxation, State of New Hampshire, for 1900," page 41.

⁶ Does not include value of rented property.

Table 1 reveals the generally steady growth of the manufacturing industries of New Hampshire during the half century. This progress becomes the more striking when compared with the slow growth of population. Since 1850 the population has increased only 29.4 per cent, but the average number of wage-earners has increased from 27,092 to 70,419, a gain of 159.9 per cent. The wage-earners in 1900 constituted 17.1 per cent of the total population, while in 1850 they constituted only 8.5 per cent. Probably the best indication of the importance of the wage-earning class is afforded by the greatest number employed at any one time during the year. In 1900 this was 86,776, or 21.1 per cent of the total population of the state. The increase in the number of wage-earners decade by decade indicates that the growth in manufactures throughout the entire period was rapid and fairly uniform. The value of products and the amount paid for wages as given in the table show greater fluctuations. The values for 1870, however, were expressed in a currency which was at a discount in gold, and should, therefore, be reduced by about

one-fifth for purposes of comparison with other census years. The decade from 1890 to 1900 shows an increase in the value of products of 38.4 per cent, which is greater than for any decade since 1870.

The result of this half century of development is that manufacturing has now become the leading industry of New Hampshire, while in 1850 the leading position was held by agriculture. The manufactures are mostly located in the southern part of the state. The proximity of this section to the business and financial center of New England, the abundant waterpower, and the excellent harbor at Portsmouth are important elements which have contributed to the development of its manufactures.

Table 2 divides the industries of the state between the hand trades and the manufactures proper. This table also gives the statistics for educational and penal institutions, and establishments with a product of less than \$500; these were not reported at previous censuses, and therefore are omitted from the other tables and their use confined to Table 2.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

| CLASSES. | Number of establishments. | Capital. | Proprietors and firm members. | WAGE-EARNERS. | | Miscellaneous expenses. | COST OF MATERIALS USED. | | | | Value of products, including custom work and repairing. |
|---|---------------------------|---------------|-------------------------------|-----------------|--------------|-------------------------|-------------------------|-------------------------|---|---------------------|---|
| | | | | Average number. | Total wages. | | Total. | Purchased in raw state. | Purchased in partially manufactured form. | Fuel, freight, etc. | |
| Total | 5,267 | \$101,370,866 | 5,754 | 70,786 | \$27,654,404 | \$6,871,491 | \$66,505,701 | \$22,135,667 | \$41,573,124 | \$2,796,910 | \$118,935,902 |
| Hand trades ¹ | 2,211 | 3,192,894 | 2,417 | 5,158 | 2,312,078 | 392,850 | 3,361,685 | 7,278 | 3,251,778 | 102,629 | 8,308,491 |
| Educational and penal institutions | 3 | 130,790 | | 186 | 20,508 | 2,911 | 107,849 | 19,500 | 87,444 | 905 | 153,310 |
| Establishments with a product of less than \$500. | 598 | 310,415 | 627 | 181 | 13,649 | 12,449 | 49,258 | 7,270 | 41,940 | 48 | 163,234 |
| All other establishments | 2,460 | 97,736,767 | 2,710 | 65,261 | 25,308,169 | 5,963,231 | 62,936,909 | 22,101,619 | 38,191,662 | 2,693,328 | 110,360,817 |

¹ Includes bicycle and tricycle repairing, 65; blacksmithing and wheelwrighting, 533; boots and shoes, custom work and repairing, 193; carpentering, 231; clothing, men's, custom work and repairing, 129; clothing, women's, dressmaking, 209; dyeing and cleaning, 9; furniture, cabinetmaking, repairing, and upholstering, 48; lock and gun smithing, 17; masonry, brick and stone, 96; millinery, custom work, 191; painting, house, sign, etc., 231; paper hanging, 7; plastering and stuccowork, 4; plumbing, and gas and steam fitting, 108; sewing machine repairing, 5; taxidermy, 3; watch, clock, and jewelry repairing, 127.

Of the 5,267 establishments of all classes, shown in this table, 2,804, or 53.2 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than \$500." The value of the products for these establishments, consisting principally of the sums received for custom work and repairing, amounted to

\$8,471,775, or only 7.1 per cent of the total value of the products of the state.

In addition to the 5,267 active establishments in the state during the census year, with a capital of \$101,370,866, shown in Table 2, there were 48 idle establishments, with a capital of \$822,951, divided as follows:

| INDUSTRIES. | Number of idle establishments. | Capital. | INDUSTRIES. | Number of idle establishments. | Capital. |
|-----------------------------------|--------------------------------|-----------|-----------------------------------|--------------------------------|----------|
| Boots and shoes, factory product | 2 | \$100,000 | Marble and stone work | 2 | \$24,000 |
| Brick and tile | 5 | 11,250 | Painting, house, sign, etc. | 1 | 10,000 |
| Electrical apparatus and supplies | 1 | 31,598 | Wood, turned and carved | 1 | 20,000 |
| Flouring and grist mill products | 2 | 11,000 | Woodware, not elsewhere specified | 1 | 20,000 |
| Foundry and machine shop products | 2 | 195,000 | Woolen goods | 3 | 274,850 |
| Kaolin and other earth grinding | 1 | 14,300 | Worsted goods | 1 | 29,000 |
| Lumber and timber products | 12 | 50,295 | All other | 14 | 81,958 |

TABLE 3.—COMPARATIVE SUMMARY OF TEN LEADING INDUSTRIES.

| INDUSTRIES. | Year. | Number of establishments. | Capital. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | Value of products, including custom work and repairing. |
|---|-------|---------------------------|--------------|-----------------|--------------|-------------------------|-------------------------|---|
| | | | | Average number. | Total wages. | | | |
| Total for selected industries for state | 1900 | 1,040 | \$76,847,141 | 49,828 | \$18,564,054 | \$3,762,119 | \$52,059,848 | \$85,468,460 |
| | 1890 | 1,001 | 60,054,099 | 45,271 | 15,871,810 | 3,099,687 | 37,809,452 | 68,855,641 |
| Increase, 1890 to 1900 | | 39 | 16,793,042 | 4,557 | 2,692,244 | 662,432 | 14,250,396 | 21,632,809 |
| Per cent of increase | | 3.9 | 28.0 | 10.1 | 17.0 | 21.4 | 37.7 | 33.9 |
| Per cent of total of all industries in state | 1900 | 22.3 | 76.1 | 70.8 | 67.2 | 59.2 | 73.5 | 72.0 |
| | 1890 | 31.0 | 75.7 | 75.3 | 72.4 | 71.0 | 29.2 | 74.4 |
| Boots and shoes, factory product | 1900 | 67 | 8,123,481 | 12,007 | 4,971,951 | 453,706 | 16,569,725 | 23,405,558 |
| | 1890 | 64 | 3,956,774 | 7,912 | 3,337,167 | 256,643 | 6,749,322 | 11,936,003 |
| Cheese, butter, and condensed milk, factory product | 1900 | 53 | 311,308 | 119 | 68,323 | 21,229 | 1,226,388 | 1,467,503 |
| | 1890 | 23 | 71,992 | 51 | 24,495 | 7,777 | 420,767 | 494,466 |
| Cotton goods | 1900 | 23 | 29,261,835 | 20,454 | 6,759,422 | 1,502,420 | 11,960,102 | 22,998,249 |
| | 1890 | 27 | 26,801,933 | 19,383 | 6,242,204 | 1,340,222 | 12,962,939 | 21,958,002 |
| Flouring and grist mill products | 1900 | 149 | 1,004,990 | 185 | 82,214 | 33,084 | 2,201,909 | 2,505,936 |
| | 1890 | 121 | 905,075 | 171 | 78,737 | 44,742 | 2,061,208 | 2,358,616 |
| Foundry and machine shop products | 1900 | 37 | 2,394,474 | 1,979 | 945,154 | 198,077 | 1,211,837 | 3,049,334 |
| | 1890 | 76 | 3,658,689 | 2,034 | 970,884 | 131,513 | 1,296,963 | 2,895,716 |
| Hosiery and knit goods | 1900 | 22 | 2,525,286 | 2,492 | 790,558 | 175,118 | 1,319,170 | 2,592,829 |
| | 1890 | 37 | 2,706,065 | 3,121 | 931,519 | 241,201 | 1,777,595 | 3,431,922 |
| Leather, tanned, curried, and finished | 1900 | 12 | 1,900,277 | 552 | 219,292 | 145,003 | 2,053,367 | 2,664,942 |
| | 1890 | 18 | 1,303,992 | 668 | 301,077 | 93,238 | 2,303,363 | 2,938,209 |
| Lumber and timber products | 1900 | 553 | 11,332,114 | 4,188 | 1,654,965 | 238,129 | 4,927,399 | 9,218,310 |
| | 1890 | 570 | 7,592,167 | 5,370 | 1,600,993 | 305,137 | 2,607,473 | 5,641,445 |
| Paper and wood pulp | 1900 | 29 | 3,163,031 | 2,391 | 1,036,856 | 539,955 | 3,953,334 | 7,204,733 |
| | 1890 | 15 | 1,221,491 | 520 | 220,122 | 65,747 | 715,081 | 1,282,022 |
| Wool manufactures | 1900 | 45 | 11,230,295 | 5,461 | 2,045,316 | 455,398 | 8,636,567 | 10,331,056 |
| | 1890 | 50 | 11,335,921 | 6,038 | 2,165,112 | 613,467 | 6,914,741 | 10,769,240 |

The 10 leading industries of the state in 1900, shown in Table 3, embrace 1,040 establishments, or 22.3 per cent of the total number in the state; \$76,847,141, or 76.1 per cent of the total capital; 49,828, or 70.8 per cent of the total number of wage-earners; \$18,564,054, or 67.2 per cent of the total wages; and \$85,488,450, or 72 per cent of the total value of products. In the discussion of Table 3 which follows, these industries are ranked with reference to the value of the products. It appears that the leading industry of the state is the manufacture of boots and shoes. The 67 establishments reported for this industry gave employment to 12,007 wage-earners, or 17.1 per cent of the wage-earners employed in the state, and the products were valued at \$23,405,558, or 19.7 per cent of the total value of the products of the state. In 1890 the products were valued at \$11,986,003. The increase from 1890 to 1900 was \$11,419,555, or 95.3 per cent.

The boot and shoe factories are largely located in cities and towns in the southern part of the state where the industry early gained a foothold, due to the proximity of these places to Lynn and Haverhill, shoe centers of Massachusetts. Until the application of machinery to the industry, after the war of the Rebellion, stock for shoes was cut in the factories located in these centers, and put out for manufacture to the people in the adjoining towns of the state and in New Hampshire. So great became the demand for this kind of labor between the years 1825 and 1850 that "nearly every boy in the southeastern towns of New Hampshire who could hold a lapstone was either an apprentice or a full-fledged workman."¹ The work was carried on either in the houses of farmers or in small shops. In 1856, in the typical town of Northwood, there were at least 100 of these small shoemaking shops. The introduction of machinery displaced this labor and the various towns established local factories to retain their shoemaking population. There is record of the building of 27 shoe factories between 1870 and 1895 by associations of business men in almost as many cities and towns of the state. These were leased to experienced shoe manufacturers, usually from Lynn or Haverhill, and were generally exempted from local taxation for ten years.²

The manufacture of cotton goods, for years the leading industry of the state, now ranks second with 23 establishments, having a capital of \$29,261,835; 20,454 wage-earners; and products valued at \$22,988,249; as compared in 1890, with 27 establishments; \$26,801,933 capital; 19,383 wage-earners; and products valued at \$21,958,002. The importance of the industry is due largely to the water-power of the state. In 1804, fourteen years after Samuel Slater built the first successful cotton factory in the country at Pawtucket, R. I., one of his employees, Charles Robbins, constructed a mill at New Ipswich, N. H.³ Five years

later Benjamin Pritchard, housewright of the New Ipswich mill, established a mill where the city of Manchester now stands.⁴ The growth of the industry has been steady. "In 1826 four hundred distinct buildings for the manufacture of cotton had been built in the United States, and of these 50 belonged to New Hampshire,"⁵ while the value of the land and buildings used for this purpose in the state in 1900, together with the machinery, amounted to \$15,685,459.

Wool manufactures rank third in importance with 45 establishments, having a capital of \$11,280,295; 5,461 wage-earners; and products valued at \$10,381,056, as compared in 1890 with 50 establishments; 6,038 wage-earners; and products valued at \$10,769,240. In 1801 at New Ipswich, James Sanderson established the first carding mill in the state. This developed gradually into a full-fledged woolen mill.⁶ In 1823 there were 307 carding machines in the state, 256 fulling mills, and 18 woolen factories.⁷ The value of the products shows a decrease of 3.6 per cent since 1890, due in part to the lower prices of woolen and worsted goods.

The manufacture of lumber and timber products ranks fourth among the industries of the state with 553 establishments having a capital of \$11,382,114; 4,188 wage-earners; and products valued at \$9,218,310. The value of the products in 1890 was \$5,641,445, showing an increase during the last decade of \$3,576,865, or 63.4 per cent. This is the oldest manufacturing industry in the state. New Hampshire, unlike several of the neighboring colonies, was founded for the purposes of trade, the intention of Captain Mason, the proprietor of the region, being to exploit its lumber and fisheries. He accordingly procured from Denmark several men "skilled in the sawing of plank" who established previous to 1635, near Portsmouth, what is claimed to be the first sawmill in New England of which there is any distinct record.⁸ The original forests of white pine, chiefly in the Connecticut Valley, are now practically exhausted, but over large areas there has been a second growth and this, together with the spruce of the northern part of the state, is being used by the mills.⁹ In 1896 it was estimated that forests still covered more than 60 per cent of the area of the state.¹⁰

The manufacture of paper and wood pulp is fifth in rank with 29 establishments, having a capital of \$8,163,081; 2,391 wage-earners; and products valued at \$7,204,733, including sulphite fiber, valued at \$2,711,278; news paper, valued at \$2,078,604; and bogus or wood manila paper, valued at \$629,401. There was a very decided growth

⁴ Ibid., page 150.

⁵ History of New Hampshire, by Edwin D. Sanborn, page 376.

⁶ Bulletin of the National Association of Wool Manufacturers, Vol. XXIX, page 238.

⁷ Gazetteer of the State of New Hampshire, 1823, by John Farmer and J. B. Moore, page 30.

⁸ History of Mason, New Hampshire, by J. B. Hill, pages 10 and 11, and History of American Manufactures, by J. L. Bishop, Vol. I, page 95.

⁹ Census of 1880, Vol. IX, The Forests of North America, page 496.

¹⁰ The New England States, Vol. III, page 1680.

¹ Report of the New Hampshire Bureau of Labor, 1895-1896, page 9.

² Ibid., pages 17 to 37.

³ The New England States, edited by W. T. Davis, Vol. I, page 149.

in these manufactures during the last decade, the value of the products in 1890 being \$1,282,022, an increase during this period of \$5,922,711, or 462 per cent. The industry existed in the state as early as 1823, and 12 paper mills were reported for that year.¹ In addition to the waterpower of the state available for this manufacture, there is also an abundance of spruce, the variety of wood more largely used than any other for material in this industry. Wood, wood pulp, and wood fiber have in recent years become the most important materials used in the manufacture of paper, and in 1900 constituted 40 per cent of the total cost of materials used in this industry in the United States.

The foundry and machine shop industry ranks sixth with 87 establishments, having a capital of \$2,894,474; 1,979 wage-earners; and products valued at \$3,049,334, as compared in 1890 with 76 establishments; \$3,658,689 capital; 2,034 wage-earners; and products valued at \$2,895,716. This industry has had a steady growth during recent years.

The tanning and currying of leather ranks seventh with 12 establishments, having a capital of \$1,900,277; 552 wage-earners; and products valued at \$2,664,942, as compared in 1890 with 18 establishments; \$1,303,992 capital; 668 wage-earners; and products valued at \$2,988,209. The abundance of bark suitable for tanning purposes, early made the tanning of leather a considerable industry. What is said to be "practically the first incorporated company in this business" in the country was formed in 1809, under the name of the Hampshire Leather Manufacturing Company of Massachusetts, to operate extensive tanneries in New Hampshire belonging to Colonel William Edwards. This noted leather manufacturer had established himself in the state as early as 1790, and because of the extensive improvements he introduced in the mechanism and arrangement of the tannery, left a considerable impress upon the business of that period.² In 1823 there were 193 "bark mills" and 304 tanneries in the state.³ In 1880 the value of the leather, tanned and curried, reached its maximum, \$4,477,350, and has declined since that date owing to the increasing scarcity of bark.

The manufacture of hosiery and knit goods ranks eighth with 22 establishments, having a capital of \$2,525,286; 2,492 wage-earners; and products valued at \$2,592,829, as compared in 1890 with 37 establishments; \$2,706,065 capital; 3,121 wage-earners; and products valued at \$3,481,922. The industry became properly a branch of manufacturing by the successful use of a power machine at Cohoes, N. Y., in 1832, and in 1839 the largest stocking factory in New

England began operations at Portsmouth, N. H.⁴ In 1861 the first knitting mill was erected at Laconia, a town which has since become noted as a center for the industry.⁵

Flour and grist milling ranks ninth with 149 establishments, having a capital of \$1,004,990; 185 wage-earners; and products valued at \$2,505,936. This was naturally one of the earliest industries in the state. In 1661 permission to erect a windmill for grinding corn was granted to Captain Pendleton by the selectmen of Portsmouth.⁶ The value of the products in 1900, as compared with 1890, shows an increase of \$147,320, or 6.2 per cent.

The last of the industries included in Table 3, is the factory manufacture of cheese, butter, and condensed milk. The number of establishments reported is 53, with 119 wage-earners, and a product valued at \$1,467,503. The increase in the value of the product in 1900 over 1890 is \$973,037, or 196.8 per cent.

URBAN MANUFACTURES.

Table 4 shows the totals for the manufacturing and mechanical industries of the city of Manchester as returned at the censuses of 1880, 1890, and 1900, with the percentages of increase.

TABLE 4.—COMPARATIVE SUMMARY, MANCHESTER, 1880, 1890, AND 1900, WITH PER CENT OF INCREASE.

| | DATE OF CENSUS. | | | PER CENT OF INCREASE. | |
|---|-----------------|--------------|------------------|-----------------------|--------------|
| | 1900 | 1890 | 1880 | 1890 to 1900 | 1880 to 1890 |
| Number of establishments..... | 577 | 386 | 121 | 49.5 | 219.0 |
| Capital..... | \$22,426,125 | \$22,424,968 | \$15,149,153 | (¹) | 48.0 |
| Wage-earners, average number..... | 19,032 | 15,351 | 10,838 | 24.0 | 41.6 |
| Total wages..... | \$7,030,966 | \$5,950,234 | \$3,370,404 | 18.2 | 76.5 |
| Miscellaneous expenses..... | \$1,548,205 | \$1,072,875 | (²) | 44.3 | --- |
| Cost of materials used..... | \$14,755,640 | \$11,872,289 | \$7,901,066 | 24.3 | 50.3 |
| Value of products, including custom work and repairing..... | \$26,607,600 | \$20,187,925 | \$14,136,305 | 31.8 | 42.8 |

¹ Less than one-tenth of 1 per cent.

² Not reported.

It appears from Table 4 that there has been a considerable increase during the past decade in the manufactures of the city. The number of establishments increased from 386 to 577, or 49.5 per cent; the average number of wage-earners from 15,351 to 19,032, or 24 per cent; and the value of the products from \$20,187,925 to \$26,607,600, or 31.8 per cent. There were 577 establishments in Manchester in 1900, or 12.4 per cent of the entire number in the state. These establishments had a combined capital amounting to \$22,426,125, or 22.2 per cent of all the capital employed in the state. Of the wage-earners, 19,032, or 27 per cent of all in the state were employed

¹ Gazetteer of the State of New Hampshire, 1823, by John Farmer and J. B. Moore, page 30.

² One Hundred Years of American Commerce, edited by C. M. Depew, Vol. 2, page 495.

³ Gazetteer of the State of New Hampshire, 1823, page 30.

⁴ Eighth Census of the United States, 1860, Manufactures, Introduction, page 43.

⁵ The Illustrated Laconian, compiled by C. W. Vaughan, page 176.

⁶ History of American Manufactures, Vol. I, page 118.

in Manchester. The total amount of wages paid in the city amounted to \$7,030,966, or 25.5 per cent of all wages paid in the state. The value of products, including custom work and repairing, during 1900 was \$26,607,600, or 22.4 per cent of the total products of the state.

Table 5 presents the totals for the manufacturing industries of the 29 cities and towns withdrawn from the enumerators and places them in comparison with the totals for the entire state, and the state exclusive of these cities and towns.

TABLE 5.—URBAN MANUFACTURES.

| | Number of establishments. | Capital. | Proprietors and firm members. | WAGE-EARNERS. | | Miscellaneous expenses. | Cost of materials used. | Value of products, including custom work and repairing. |
|---|---------------------------|---------------|-------------------------------|-----------------|--------------|-------------------------|-------------------------|---|
| | | | | Average number. | Total wages. | | | |
| Total for state | 4,671 | \$100,929,661 | 5,127 | 70,419 | \$27,620,247 | \$6,356,131 | \$66,848,594 | \$118,669,308 |
| Total for urban manufactures | 3,065 | 77,225,278 | 3,326 | 55,905 | 22,117,562 | 5,422,721 | 52,278,750 | 92,874,506 |
| Berlin | 66 | 5,098,457 | 73 | 1,707 | 720,776 | 368,142 | 2,964,363 | 5,228,979 |
| Claremont | 89 | 1,767,883 | 91 | 1,428 | 579,624 | 100,826 | 1,429,543 | 2,502,632 |
| Concord | 298 | 4,811,982 | 355 | 3,101 | 1,612,966 | 412,129 | 2,563,967 | 5,357,408 |
| Derry | 26 | 344,504 | 29 | 887 | 369,089 | 26,892 | 1,268,872 | 1,745,489 |
| Dover | 184 | 6,784,230 | 197 | 3,289 | 1,460,278 | 374,052 | 3,624,068 | 6,311,168 |
| Exeter | 104 | 1,507,485 | 106 | 1,290 | 582,756 | 80,757 | 1,539,743 | 2,587,896 |
| Farmington | 57 | 393,509 | 64 | 505 | 189,281 | 14,918 | 442,365 | 786,819 |
| Franklin | 92 | 1,976,868 | 101 | 1,291 | 498,773 | 83,301 | 803,515 | 1,708,889 |
| Greenville | 15 | 728,004 | 13 | 477 | 167,501 | 30,362 | 446,029 | 685,010 |
| Haverhill | 44 | 257,007 | 46 | 170 | 68,103 | 8,940 | 215,523 | 334,619 |
| Keene | 160 | 2,305,729 | 163 | 1,832 | 842,373 | 131,557 | 1,682,221 | 3,088,149 |
| Laconia | 139 | 1,964,510 | 147 | 1,682 | 641,306 | 113,970 | 1,293,192 | 2,389,202 |
| Lancaster | 46 | 248,429 | 56 | 1,03 | 74,351 | 38,895 | 240,036 | 442,789 |
| Lebanon | 80 | 1,351,326 | 96 | 747 | 277,898 | 41,659 | 887,600 | 1,534,628 |
| Littleton | 71 | 670,392 | 81 | 675 | 215,877 | 27,103 | 568,993 | 952,829 |
| Manchester | 577 | 22,426,125 | 605 | 19,032 | 7,030,966 | 1,548,205 | 14,755,640 | 26,607,600 |
| Milford | 77 | 856,565 | 91 | 646 | 276,876 | 74,915 | 524,790 | 1,027,824 |
| Nashua | 251 | 9,587,390 | 253 | 6,442 | 2,625,898 | 574,497 | 6,470,716 | 11,037,676 |
| Newmarket | 29 | 1,261,519 | 29 | 790 | 267,124 | 57,884 | 575,577 | 1,044,793 |
| Newport | 68 | 610,424 | 70 | 737 | 278,771 | 39,781 | 789,017 | 1,274,829 |
| Pembroke | 41 | 592,855 | 45 | 702 | 227,820 | 11,310 | 417,418 | 775,563 |
| Peterboro | 43 | 643,599 | 45 | 364 | 133,462 | 20,469 | 285,982 | 531,846 |
| Pittsfield | 51 | 564,373 | 56 | 601 | 224,213 | 16,562 | 625,112 | 1,092,069 |
| Portsmouth | 176 | 4,167,545 | 189 | 1,809 | 884,309 | 851,647 | 2,204,376 | 4,813,138 |
| Rochester | 96 | 2,095,788 | 111 | 1,913 | 741,215 | 127,905 | 2,555,818 | 3,812,512 |
| Somersworth | 88 | 3,133,909 | 89 | 2,720 | 806,320 | 185,680 | 2,062,927 | 3,605,666 |
| Tilton | 41 | 170,622 | 45 | 219 | 90,663 | 13,097 | 152,484 | 326,055 |
| Winchester | 34 | 551,793 | 38 | 350 | 144,878 | 27,103 | 488,512 | 787,829 |
| Wolfboro | 32 | 343,456 | 43 | 276 | 114,596 | 20,168 | 394,320 | 586,210 |
| Total for state, exclusive of urban manufactures | 1,606 | 23,704,383 | 1,801 | 14,514 | 5,502,685 | 933,410 | 14,074,844 | 25,794,802 |
| Per cent of urban manufactures to total for state | 65.6 | 76.5 | 64.9 | 79.4 | 80.1 | 85.3 | 78.8 | 78.3 |

Of the 4,671 establishments in the state, 3,065, or 65.6 per cent, are located in these 29 cities and towns. The capital reported for these establishments is \$77,225,278, or 76.5 per cent of that for the entire state. They furnished employment to 55,905 wage-earners, or 79.4 per cent of the total number; paid \$22,117,562 in wages, or 80.1 per cent of the total amount; and the value of their products, \$92,874,506, formed 78.3 per cent of the total for the state.

Table 6 shows the totals for the state by counties.

Table 7 shows the totals for the state by specified industries.

Table 8 shows the totals for the cities of Manchester and Nashua by specified industries.

Table 9 shows the totals for all industries in the cities and towns withdrawn from the enumerators, exclusive of those shown in Table 8.

TABLE 6.—MANUFACTURES

| COUNTIES AND MANUFACTURING AND MECHANICAL INDUSTRIES. | | Number of estab- lish- ments. | CAPITAL. | | | | | Propri- etors and firm mem- bers. | SALARIED OF- FICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|--|-----------------|--|---------------|--------------|--------------|--|-----------------------|--|--|-------------|---|--------------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and imple- ments. | Cash and sundries. | | Num- ber. | Salaries. | Total. | |
| | | | | | | | | | | | Average num- ber. | Wages. |
| 1 | The State----- | 4,671 | \$100,929,661 | \$10,108,063 | \$14,411,744 | \$25,919,073 | \$50,490,781 | 5,127 | 2,193 | \$2,200,210 | 70,419 | \$27,620,247 |
| 2 | Belknap----- | 249 | 2,809,754 | 248,260 | 354,435 | 750,467 | 1,456,592 | 266 | 84 | 77,149 | 2,677 | 1,001,837 |
| 3 | Carroll----- | 163 | 1,223,802 | 835,910 | 121,540 | 208,444 | 557,908 | 183 | 21 | 15,243 | 830 | 314,332 |
| 4 | Cheshire----- | 398 | 5,701,272 | 451,733 | 952,024 | 1,420,923 | 2,867,592 | 438 | 185 | 161,877 | 4,320 | 1,817,374 |
| 5 | Coos----- | 278 | 10,471,801 | 2,089,816 | 1,808,959 | 3,050,519 | 4,022,507 | 321 | 125 | 147,886 | 8,615 | 1,488,854 |
| 6 | Grafton----- | 477 | 7,090,272 | 1,881,066 | 879,020 | 1,460,749 | 2,919,437 | 523 | 179 | 156,685 | 3,495 | 1,264,185 |
| 7 | Hillsboro----- | 1,178 | 35,780,788 | 2,500,072 | 4,615,192 | 10,017,222 | 19,648,302 | 1,251 | 680 | 784,150 | 28,925 | 11,019,768 |
| 8 | Merrimack----- | 664 | 10,916,634 | 944,995 | 1,644,064 | 2,843,269 | 5,484,305 | 751 | 301 | 280,041 | 8,164 | 3,420,441 |
| 9 | Rockingham----- | 545 | 9,172,974 | 706,469 | 2,184,908 | 2,093,296 | 4,238,301 | 597 | 249 | 257,376 | 6,448 | 2,740,381 |
| 10 | Strafford----- | 478 | 18,800,876 | 774,204 | 1,933,219 | 3,058,907 | 8,034,545 | 527 | 247 | 281,321 | 9,552 | 8,504,109 |
| 11 | Sullivan----- | 246 | 2,961,488 | 225,588 | 468,383 | 1,006,277 | 1,261,290 | 270 | 122 | 120,032 | 2,393 | 959,016 |

TABLE 7.—MANUFACTURES BY

| | | | | | | | | | | | |
|--|-------|---------------|--------------|--------------|--------------|--------------|-------|-------|-------------|--------|--------------|
| 1 All industries..... | 4,671 | \$100,929,661 | \$10,108,063 | \$14,411,744 | \$25,919,073 | \$50,490,781 | 5,127 | 2,193 | \$2,290,210 | 70,419 | \$27,620,247 |
| 2 Agricultural implements..... | 12 | 112,003 | 6,870 | 16,600 | 27,000 | 61,533 | 15 | 4 | 2,300 | 45 | 16,026 |
| 3 Awnings, tents, and sails..... | 4 | 3,850 | 400 | 800 | 650 | 2,000 | 4 | | | 7 | 2,875 |
| 4 Baskets, and rattan and willow ware..... | 4 | 20,320 | 1,000 | 7,800 | 5,500 | 6,520 | 4 | | | 28 | 10,872 |
| 5 Bicycle and tricycle repairing..... | 65 | 66,950 | 2,810 | 3,190 | 24,420 | 36,530 | 77 | 1 | 300 | 37 | 15,147 |
| 6 Blacksmithing and wheelwrighting..... | 538 | 613,433 | 63,553 | 162,254 | 148,024 | 239,602 | 563 | 1 | 450 | 373 | 192,545 |
| 7 Bookbinding and blank book making..... | 7 | 64,400 | | | 6,000 | 58,400 | 6 | 1 | 300 | 15 | 5,953 |
| 8 Boot and shoe cut stock..... | 10 | 44,965 | 1,360 | 9,140 | 6,265 | 28,200 | 13 | 3 | 2,050 | 220 | 73,582 |
| 9 Boot and shoe findings..... | 7 | 131,338 | 9,400 | 26,340 | 69,650 | 55,948 | 7 | 8 | 7,200 | 189 | 60,326 |
| 10 Boots and shoes, custom work and repairing..... | 193 | 80,802 | 3,230 | 9,150 | 23,666 | 38,556 | 197 | | | 137 | 60,561 |
| 11 Boots and shoes, factory product..... | 67 | 8,123,481 | 124,137 | 473,961 | 1,063,569 | 6,461,704 | 86 | 362 | 357,046 | 12,007 | 4,971,954 |
| 12 Bottling..... | 48 | 206,823 | 18,650 | 28,450 | 75,381 | 34,342 | 59 | 8 | 4,163 | 147 | 80,145 |
| 13 Boxes, fancy and paper..... | 16 | 151,082 | 3,900 | 9,300 | 58,745 | 79,137 | 20 | 11 | 5,760 | 214 | 70,889 |
| 14 Boxes, wooden packing..... | 31 | 546,955 | 28,250 | 68,400 | 142,441 | 307,864 | 41 | 23 | 15,801 | 712 | 282,898 |
| 15 Bread and other bakery products..... | 116 | 278,864 | 20,850 | 60,800 | 73,987 | 113,727 | 131 | 32 | 14,618 | 338 | 167,923 |
| 16 Brick and tile..... | 55 | 655,713 | 166,900 | 118,953 | 111,120 | 263,740 | 71 | 34 | 17,746 | 591 | 227,615 |
| 17 Brooms and brushes..... | 8 | 71,025 | 3,475 | 3,050 | 7,150 | 57,350 | 6 | 15 | 13,908 | 79 | 22,594 |
| 18 Carpentering..... | 231 | 622,439 | 45,000 | 96,230 | 96,032 | 385,157 | 256 | 6 | 4,004 | 1,313 | 661,565 |
| 19 Carriage and wagon materials..... | 6 | 211,826 | 8,134 | 32,194 | 43,042 | 128,456 | 6 | 9 | 8,516 | 120 | 60,355 |
| 20 Carriages and wagons..... | 73 | 1,102,675 | 164,390 | 202,400 | 115,845 | 619,980 | 82 | 26 | 22,583 | 507 | 264,919 |
| 21 Cars and general shop construction and repairs by steam railroad companies..... | 9 | 850,873 | 130,808 | 207,412 | 265,003 | 247,650 | | 30 | 24,201 | 966 | 516,980 |
| 22 Charcoal..... | 4 | 1,742 | 150 | 50 | 152 | 1,390 | 3 | | | 2 | 673 |
| 23 Cheese, butter, and condensed milk, factory product..... | 53 | 311,308 | 15,725 | 128,414 | 86,816 | 80,353 | 27 | 34 | 11,490 | 119 | 58,323 |
| 24 Cleansing and polishing preparations..... | 4 | 17,581 | 1,100 | 800 | 4,150 | 11,531 | 2 | 14 | 7,600 | 12 | 4,781 |
| 25 Clothing, men's, custom work and repairing..... | 129 | 271,256 | 4,420 | 14,200 | 30,587 | 222,049 | 146 | 17 | 9,308 | 587 | 213,676 |
| 26 Clothing, men's, factory product..... | 9 | 258,834 | 6,300 | 31,778 | 11,976 | 203,782 | 13 | 25 | 20,572 | 245 | 68,989 |
| 27 Clothing, women's, dressmaking..... | 209 | 81,292 | 7,559 | 18,536 | 21,213 | 43,984 | 226 | 2 | 860 | 407 | 119,447 |
| 28 Clothing, women's, factory product..... | 5 | 146,762 | 4,200 | 18,135 | 19,272 | 105,155 | 23 | 25 | 689 | 434 | 134,027 |
| 29 Confectionery..... | 18 | 22,288 | 3 | 50 | 9,025 | 13,210 | 19 | 1 | 600 | 47 | 18,222 |
| 30 Cooperage..... | 23 | 687,063 | 71,350 | 164,971 | 102,030 | 348,712 | 25 | 19 | 13,420 | 758 | 201,583 |
| 31 Cotton goods..... | 23 | 29,261,835 | 1,302,874 | 4,375,217 | 10,007,368 | 13,576,376 | | 175 | 370,777 | 20,454 | 6,759,422 |
| 32 Cutlery and edge tools..... | 6 | 319,713 | 7,300 | 46,510 | 26,900 | 239,003 | 9 | 21 | 26,196 | 357 | 164,102 |
| 33 Dyeing and cleaning..... | 9 | 8,525 | | | 5,050 | 3,475 | 9 | 2 | 606 | 12 | 5,031 |
| 34 Dyeing and finishing textiles..... | 5 | 883,704 | 61,000 | 153,000 | 173,500 | 496,204 | 4 | 21 | 28,900 | 1,023 | 451,060 |
| 35 Electrical apparatus and supplies..... | 5 | 183,233 | 400 | 3,800 | 98,870 | 80,163 | 8 | 11 | 7,056 | 94 | 32,056 |
| 36 Electrical construction and repairs..... | 8 | 14,675 | 25 | 160 | 2,100 | 12,400 | 8 | 1 | 300 | 24 | 12,817 |
| 37 Flavoring extracts..... | 6 | 17,475 | 400 | 1,000 | 1,784 | 14,291 | 5 | | | 5 | 2,748 |
| 38 Flouring and grist mill products..... | 149 | 1,004,990 | 106,260 | 222,240 | 200,740 | 475,750 | 189 | 15 | 10,688 | 185 | 82,214 |
| 39 Foundry and machine shop products..... | 37 | 2,894,474 | 885,055 | 523,671 | 721,229 | 1,259,519 | 76 | 132 | 133,703 | 1,979 | 945,154 |
| 40 Fruits and vegetables, canning and preserving..... | 3 | 21,642 | 150 | 1,600 | 9,642 | 10,350 | 6 | 1 | 600 | 19 | 5,957 |
| 41 Furniture, cabinetmaking, repairing, and upholstering..... | 48 | 69,526 | 4,525 | 6,450 | 13,370 | 45,181 | 52 | 3 | 991 | 68 | 33,871 |
| 42 Furniture, factory product..... | 24 | 733,965 | 30,850 | 136,691 | 128,782 | 438,142 | 22 | 45 | 33,549 | 570 | 223,948 |
| 43 Gas, illuminating and heating..... | 13 | 1,518,718 | 130,500 | 336,200 | 845,251 | 200,707 | | 35 | 25,409 | 121 | 59,780 |
| 44 Gloves and mittens..... | 6 | 351,492 | 21,200 | 33,200 | 25,975 | 271,117 | 5 | 7 | 9,150 | 243 | 82,080 |
| 45 Hairwork..... | 3 | 3,550 | | | 225 | 3,325 | 3 | | | 10 | 4,060 |
| 46 Hand stamps..... | 3 | 4,280 | | 150 | 3,000 | 530 | 3 | | | 2 | 676 |
| 47 Hardware, saddlery..... | 3 | 182,061 | 5,000 | 25,000 | 38,000 | 114,061 | 6 | 13 | 13,400 | 134 | 62,744 |
| 48 Hosiery and knit goods..... | 22 | 2,525,285 | 208,756 | 974,085 | 656,251 | 1,286,134 | 16 | 51 | 58,011 | 2,492 | 790,558 |
| 49 Leather, tanned, curried, and finished..... | 12 | 1,000,277 | 95,685 | 224,824 | 176,833 | 1,309,925 | 14 | 51 | 54,275 | 552 | 219,282 |
| 50 Liquors, malt..... | 5 | 2,047,576 | 97,000 | 1,084,844 | 443,599 | 422,133 | | 34 | 61,578 | 280 | 185,300 |
| 51 Lock and gun smithing..... | 17 | 14,470 | 475 | 1,675 | 3,650 | 3,670 | 17 | | | 7 | 3,190 |
| 52 Looking-glass and picture frames..... | 12 | 20,485 | 50 | 1,750 | 2,985 | 15,700 | 15 | 1 | 600 | 15 | 7,692 |
| 53 Lumber and timber products..... | 553 | 11,332,114 | 4,200,123 | 789,710 | 2,175,982 | 4,210,294 | 681 | 112 | 91,167 | 4,188 | 1,654,955 |
| 54 Lumber, planing mill products, including sash, doors, and blinds..... | 57 | 1,142,201 | 111,725 | 190,194 | 235,633 | 593,599 | 70 | 49 | 32,686 | 871 | 373,550 |
| 55 Marble and stone work..... | 36 | 491,836 | 141,675 | 48,364 | 121,058 | 180,739 | 38 | 23 | 21,800 | 511 | 253,650 |
| 56 Masonry, brick and stone..... | 93 | 199,230 | 21,485 | 23,245 | 44,610 | 109,890 | 110 | 7 | 5,120 | 563 | 282,946 |

BY COUNTIES: 1900

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | | COST OF MATERIALS USED. | | | | Value of products, including custom work and repairing. |
|--|--------------|------------------------------|-------------|------------------------------|-----------|-------------------------|-------------------|--|--|-------------------|--------------|---|---|---------------|----|--|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | | |
| 46,847 | \$20,704,590 | 21,921 | \$6,584,156 | 1,651 | \$381,501 | \$6,356,181 | \$481,504 | \$717,116 | \$4,801,718 | \$355,798 | \$66,348,594 | \$64,512,124 | \$1,836,470 | \$118,669,808 | 1 | |
| 1,685 | 721,341 | 976 | 278,526 | 16 | 1,970 | 164,082 | 80,881 | 15,188 | 105,138 | 12,925 | 2,028,601 | 1,984,530 | 44,071 | 3,710,662 | 2 | |
| 709 | 281,238 | 120 | 82,994 | 1 | 100 | 44,230 | 8,076 | 5,781 | 29,957 | 416 | 847,702 | 840,839 | 7,363 | 1,481,267 | 3 | |
| 3,438 | 1,685,430 | 747 | 257,049 | 135 | 24,895 | 326,721 | 31,469 | 29,970 | 257,144 | 8,138 | 3,780,167 | 3,698,288 | 81,884 | 6,967,311 | 4 | |
| 3,255 | 1,895,809 | 343 | 89,918 | 17 | 8,127 | 568,984 | 13,073 | 49,650 | 374,217 | 127,044 | 5,160,567 | 4,773,685 | 386,882 | 9,416,296 | 5 | |
| 2,529 | 1,017,032 | 924 | 239,836 | 42 | 7,318 | 187,051 | 24,988 | 28,661 | 129,290 | 4,112 | 4,309,020 | 4,235,458 | 73,532 | 7,348,486 | 6 | |
| 17,168 | 7,473,271 | 11,113 | 3,403,303 | 649 | 143,194 | 2,369,412 | 199,280 | 336,028 | 1,798,581 | 85,573 | 24,381,144 | 23,768,841 | 567,303 | 43,378,281 | 7 | |
| 6,082 | 2,847,810 | 1,802 | 527,929 | 280 | 44,702 | 688,070 | 67,480 | 58,414 | 422,941 | 89,285 | 6,570,139 | 6,372,469 | 197,670 | 12,778,818 | 8 | |
| 4,628 | 2,139,125 | 1,756 | 586,486 | 64 | 14,770 | 1,148,749 | 87,823 | 71,777 | 1,001,988 | 37,661 | 7,275,368 | 7,104,677 | 170,686 | 13,150,443 | 9 | |
| 5,940 | 2,649,649 | 3,298 | 890,780 | 314 | 53,680 | 741,844 | 52,159 | 102,606 | 557,889 | 29,190 | 9,479,196 | 9,288,218 | 240,983 | 15,998,940 | 10 | |
| 1,418 | 643,885 | 842 | 277,886 | 133 | 37,745 | 171,988 | 16,825 | 19,041 | 124,623 | 11,499 | 2,566,695 | 2,500,599 | 66,096 | 4,438,804 | 11 | |

SPECIFIED INDUSTRIES: 1900.

| | | | | | | | | | | | | | | | |
|--------|--------------|--------|-------------|-------|-----------|-------------|-----------|-----------|-------------|-----------|--------------|--------------|-------------|---------------|----|
| 46,847 | \$20,704,590 | 21,921 | \$6,584,156 | 1,651 | \$331,501 | \$6,356,181 | \$481,504 | \$717,116 | \$4,801,718 | \$355,798 | \$66,348,594 | \$64,512,124 | \$1,886,470 | \$118,669,808 | 1 |
| 44 | 16,326 | 1 | 800 | | | 3,465 | 300 | 359 | 2,770 | 50 | 22,864 | 20,574 | 1,790 | 79,891 | 2 |
| 6 | 1,850 | 1 | 525 | | | 643 | 475 | 58 | 55 | 60 | 3,876 | 3,792 | 84 | 9,600 | 3 |
| 27 | 10,772 | | | 1 | 100 | 701 | 386 | 123 | 192 | | 7,103 | 6,925 | 178 | 28,211 | 4 |
| 37 | 15,147 | | | | | 8,227 | 5,943 | 323 | 1,956 | | 39,565 | 38,252 | 1,313 | 99,289 | 5 |
| 878 | 192,545 | | | | | 34,420 | 21,689 | 4,226 | 8,259 | 246 | 269,968 | 250,812 | 19,151 | 913,783 | 6 |
| 8 | 4,228 | 7 | 1,725 | | | 3,866 | 1,398 | 135 | 738 | 1,600 | 10,381 | 10,166 | 216 | 26,600 | 7 |
| 148 | 59,294 | 53 | 11,188 | 19 | 3,150 | 2,880 | 601 | 135 | 2,114 | | 82,099 | 80,921 | 1,178 | 191,340 | 8 |
| 98 | 35,401 | 95 | 24,825 | 1 | 100 | 5,766 | 1,418 | 498 | 3,555 | | 60,785 | 58,094 | 2,641 | 169,127 | 9 |
| 135 | 59,685 | 2 | 926 | | | 15,262 | 11,713 | 443 | 2,591 | 515 | 78,492 | 75,836 | 2,606 | 249,337 | 10 |
| 7,755 | 3,540,273 | 3,866 | 1,384,143 | 886 | 97,538 | 453,706 | 32,580 | 17,289 | 398,957 | 4,930 | 16,569,725 | 16,497,944 | 71,781 | 23,405,558 | 11 |
| 147 | 80,145 | | | | | 18,854 | 7,525 | 1,558 | 9,771 | | 473,862 | 469,429 | 3,333 | 746,559 | 12 |
| 55 | 24,086 | 159 | 46,808 | | | 10,807 | 3,581 | 782 | 6,129 | 425 | 137,594 | 134,456 | 3,139 | 262,193 | 13 |
| 677 | 277,744 | 16 | 3,328 | 19 | 1,826 | 31,612 | 4,210 | 4,103 | 22,949 | 360 | 510,916 | 508,472 | 2,444 | 979,758 | 14 |
| 284 | 158,628 | 47 | 13,125 | 7 | 1,175 | 30,042 | 18,606 | 2,147 | 9,289 | | 469,529 | 453,248 | 16,281 | 859,633 | 15 |
| 587 | 227,012 | 2 | 399 | 2 | 204 | 26,287 | 4,210 | 4,719 | 15,868 | 1,500 | 146,675 | 11,546 | 135,129 | 537,752 | 16 |
| 45 | 15,644 | 30 | 6,425 | 4 | 525 | 4,350 | 1,326 | 389 | 2,605 | 80 | 65,604 | 65,462 | 142 | 165,957 | 17 |
| 1,318 | 661,505 | | | | | 36,036 | 7,429 | 5,396 | 14,083 | 59,128 | 1,000,451 | 986,601 | 3,850 | 2,202,150 | 18 |
| 120 | 60,355 | | | | | 12,597 | | 1,608 | 10,989 | | 80,754 | 75,544 | 5,210 | 133,911 | 19 |
| 505 | 264,099 | 2 | 820 | | | 40,804 | 8,227 | 5,778 | 30,939 | 920 | 278,691 | 270,652 | 8,039 | 754,423 | 20 |
| 966 | 516,990 | | | | | 36,763 | | 5,018 | 31,750 | | 523,347 | 508,567 | 14,780 | 1,101,301 | 21 |
| 2 | 673 | | | | | 6 | | 6 | | | 994 | 994 | | 2,530 | 22 |
| 99 | 52,562 | 19 | 5,611 | 1 | 150 | 21,229 | 1,112 | 1,980 | 18,127 | 10 | 1,226,888 | 1,208,718 | 17,670 | 1,467,503 | 23 |
| 6 | 3,281 | 6 | 1,450 | | | 6,475 | 320 | 47 | 6,108 | | 12,587 | 12,237 | 350 | 39,005 | 24 |
| 172 | 96,797 | 414 | 116,799 | 1 | 80 | 36,611 | 25,748 | 1,603 | 8,870 | 890 | 290,033 | 286,277 | 3,756 | 709,112 | 25 |
| 24 | 13,882 | 220 | 55,032 | 1 | 75 | 18,413 | 660 | 897 | 9,020 | 7,836 | 253,300 | 251,882 | 1,468 | 418,824 | 26 |
| 7 | 2,703 | 400 | 116,744 | | | 16,383 | 13,876 | 421 | 2,386 | 200 | 102,344 | 99,729 | 2,615 | 361,103 | 27 |
| 25 | 14,680 | 409 | 119,397 | | | 7,576 | 720 | 460 | 6,396 | | 324,991 | 322,000 | 2,991 | 519,765 | 28 |
| 27 | 12,552 | 20 | 5,670 | | | 5,297 | 3,555 | 189 | 1,558 | 15 | 68,276 | 56,764 | 1,512 | 119,280 | 29 |
| 716 | 284,453 | 12 | 2,600 | 30 | 4,530 | 26,426 | 400 | 4,403 | 21,123 | 500 | 319,886 | 309,761 | 10,125 | 812,773 | 30 |
| 9,229 | 3,599,509 | 10,362 | 2,996,626 | 863 | 163,287 | 1,502,420 | 1,500 | 314,357 | 1,173,856 | 12,707 | 11,980,102 | 11,533,340 | 426,762 | 22,995,249 | 31 |
| 333 | 158,530 | 23 | 5,385 | 1 | 187 | 16,997 | 300 | 2,499 | 12,035 | 2,163 | 113,118 | 110,718 | 2,405 | 365,581 | 32 |
| 10 | 4,406 | 2 | 625 | | | 2,124 | 1,734 | 15 | 375 | | 3,613 | 2,618 | 900 | 18,310 | 33 |
| 789 | 394,919 | 239 | 57,041 | | | 111,478 | 250 | 14,478 | 96,750 | | 680,469 | 561,968 | 74,501 | 1,328,319 | 34 |
| 58 | 22,331 | 41 | 10,625 | | | 3,704 | 1,850 | 354 | 1,500 | | 81,614 | 81,114 | 500 | 181,793 | 35 |
| 24 | 12,817 | | | | | 1,027 | 634 | 48 | 845 | | 17,301 | 17,164 | 137 | 41,382 | 36 |
| 5 | 2,748 | | | | | 1,079 | 375 | 60 | 644 | | 11,976 | 11,778 | 198 | 29,615 | 37 |
| 185 | 82,214 | | | | | 33,084 | 8,721 | 8,093 | 16,380 | | 2,201,909 | 2,191,548 | 10,361 | 2,505,936 | 38 |
| 1,927 | 930,344 | 61 | 14,610 | 1 | 200 | 193,077 | 10,838 | 19,184 | 159,922 | 8,133 | 1,211,587 | 1,161,690 | 60,197 | 5,049,334 | 39 |
| 11 | 4,700 | 8 | 1,257 | | | 270 | 260 | 20 | 19,944 | | 21,111 | 19,944 | 1,167 | 29,964 | 40 |
| 60 | 31,485 | 8 | 2,386 | | | 7,070 | 4,372 | 598 | 2,092 | 13 | 60,782 | 59,415 | 1,317 | 146,736 | 41 |
| 511 | 209,751 | 44 | 11,040 | 15 | 3,157 | 52,655 | 4,750 | 3,383 | 44,447 | 75 | 821,447 | 315,694 | 5,753 | 734,428 | 42 |
| 121 | 59,780 | | | | | 129,992 | 45,206 | 14,732 | 70,094 | | 85,839 | 80,876 | 5,063 | 355,794 | 43 |
| 140 | 55,329 | 89 | 24,950 | 14 | 1,792 | 10,728 | 50 | 1,676 | 9,000 | | 171,802 | 169,833 | 1,464 | 296,557 | 44 |
| 4 | 1,986 | 6 | 2,080 | | | 1,838 | 1,276 | 27 | 85 | | 2,658 | 2,615 | 43 | 10,450 | 45 |
| 1 | 468 | 1 | 203 | | | 500 | 228 | 7 | 265 | | 2,022 | 1,977 | 45 | 6,975 | 46 |
| 129 | 61,184 | 5 | 1,560 | | | 19,233 | 3,600 | 182 | 15,451 | | 163,175 | 158,921 | 4,254 | 355,304 | 47 |
| 890 | 339,632 | 1,514 | 434,417 | 88 | 17,109 | 175,118 | 11,625 | 9,892 | 139,061 | 14,540 | 1,319,170 | 1,290,001 | 29,169 | 2,592,829 | 48 |
| 521 | 209,728 | 31 | 9,564 | | | 145,003 | 1,400 | 6,445 | 133,593 | 8,635 | 2,053,367 | 2,042,593 | 10,774 | 2,664,942 | 49 |
| 280 | 185,300 | | | | | 776,198 | | 86,008 | 742,185 | | 598,144 | 560,198 | 38,946 | 1,955,628 | 50 |
| 7 | 3,190 | | | | | 1,844 | 1,016 | 88 | 240 | | 4,719 | 4,316 | 403 | 19,160 | 51 |
| 10 | 5,892 | 5 | 1,800 | | | 3,121 | 1,488 | 165 | 1,468 | | 19,003 | 18,863 | 140 | 50,289 | 52 |
| 4,106 | 1,637,309 | 70 | 15,961 | 12 | 1,695 | 238,129 | 10,410 | 57,613 | 158,931 | 11,275 | 4,927,399 | 4,926,458 | 941 | 9,213,310 | 53 |
| 856 | 368,492 | 15 | 5,064 | | | 65,879 | 7,307 | 8,744 | 49,828 | | 924,687 | 918,792 | 5,795 | 1,590,510 | 54 |
| 510 | 253,375 | 1 | 275 | | | 23,508 | 1,546 | 1,288 | 14,307 | 6,267 | 142,037 | 133,799 | 8,238 | 564,654 | 55 |
| 563 | 282,946 | | | | | 54,885 | 2,305 | 1,279 | 7,896 | 48,405 | 227,837 | 226,382 | 1,455 | 707,209 | 56 |

TABLE 7.—MANUFACTURES BY

| MANUFACTURING AND MECHANICAL INDUSTRIES. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|---|---------------------------|-----------|---------|------------|------------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | Total. | Land. | Buildings. | Machinery, tools, and imple-ments. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | Average num-ber. | Wages. |
| 57 Mattresses and spring beds..... | 4 | \$28,900 | \$2,000 | \$6,000 | \$6,850 | \$14,050 | 6 | 1 | \$520 | 31 | \$12,497 |
| 58 Millinery, custom work..... | 191 | 318,250 | 7,750 | 17,250 | 19,816 | 273,484 | 215 | 23 | 9,448 | 390 | 117,086 |
| 59 Mineral and soda waters..... | 7 | 196,068 | 91,647 | 21,400 | 17,100 | 65,921 | 9 | 11 | 25,094 | 32 | 12,385 |
| 60 Monuments and tombstones..... | 90 | 421,749 | 36,664 | 36,494 | 59,428 | 289,163 | 126 | 16 | 12,905 | 547 | 276,272 |
| 61 Musical instruments, pianos and materials. | 4 | 262,745 | 7,200 | 41,145 | 37,019 | 174,381 | 3 | 16 | 17,268 | 235 | 99,668 |
| 62 Needles and pins..... | 5 | 209,254 | 14,000 | 31,000 | 55,617 | 108,637 | 2 | 9 | 8,999 | 408 | 145,020 |
| 63 Optical goods..... | 5 | 53,475 | | | 15,875 | 37,600 | 5 | 5 | 3,120 | 40 | 16,550 |
| 64 Painting, house, sign, etc..... | 231 | 237,078 | 18,510 | 29,110 | 43,363 | 151,095 | 255 | 11 | 4,707 | 648 | 290,933 |
| 65 Paper and wood pulp..... | 29 | 8,163,081 | 830,200 | 1,435,360 | 2,974,608 | 2,922,813 | 20 | 118 | 173,060 | 2,391 | 1,036,856 |
| 66 Paper hanging..... | 7 | 2,699 | | | 724 | 1,975 | 8 | | | 7 | 8,890 |
| 67 Patent medicines and compounds..... | 14 | 60,713 | 300 | 2,775 | 9,253 | 48,385 | 12 | 6 | 7,523 | 26 | 10,078 |
| 68 Paving and paving materials..... | 13 | 65,421 | 8,350 | 3,280 | 16,424 | 37,367 | 12 | 5 | 3,210 | 125 | 59,277 |
| 69 Photography..... | 74 | 172,898 | 7,213 | 22,000 | 63,185 | 80,500 | 82 | 3 | 725 | 150 | 53,765 |
| 70 Plastering and stuccowork..... | 4 | 2,675 | 200 | | 525 | 1,950 | 5 | | | 6 | 2,350 |
| 71 Plumbers' supplies..... | 3 | 33,300 | | | 3,300 | 25,000 | 4 | 3 | 2,600 | 49 | 19,045 |
| 72 Plumbing, and gas and steam fitting..... | 108 | 491,754 | 6,900 | 33,206 | 61,653 | 389,995 | 133 | 45 | 29,273 | 483 | 254,633 |
| 73 Printing and publishing, book and job..... | 52 | 132,273 | 2,075 | 7,950 | 90,749 | 31,499 | 60 | 2 | 1,750 | 90 | 36,584 |
| 74 Printing and publishing, newspapers and periodicals. | 75 | 1,018,763 | 103,179 | 103,700 | 467,622 | 344,252 | 74 | 65 | 63,084 | 571 | 261,871 |
| 75 Roofing and roofing materials..... | 11 | 18,730 | 300 | 300 | 4,100 | 14,030 | 12 | 1 | 900 | 31 | 16,632 |
| 76 Saddlery and harness..... | 106 | 335,778 | 32,950 | 25,510 | 35,392 | 241,926 | 111 | 2 | 643 | 201 | 93,844 |
| 77 Sausage..... | 6 | 8,845 | 800 | 1,400 | 3,395 | 3,250 | 8 | | | 12 | 6,165 |
| 78 Sewing machine repairing..... | 5 | 970 | | | 190 | 780 | 2 | 1 | 200 | 16 | 2,350 |
| 79 Ship and boat building, wooden..... | 6 | 10,665 | 1,500 | 2,000 | 1,725 | 5,300 | 6 | | | 6 | 8,600 |
| 80 Soap and candles..... | 13 | 24,810 | 3,125 | 8,075 | 7,370 | 6,240 | 15 | 1 | 900 | 14 | 5,890 |
| 81 Starch..... | 4 | 8,100 | 925 | 5,000 | 1,725 | 450 | 7 | | | 4 | 1,465 |
| 82 Surgical appliances..... | 4 | 16,800 | 700 | 4,100 | 4,900 | 7,100 | 5 | 1 | 260 | 26 | 8,030 |
| 83 Taxidermy..... | 3 | 1,450 | 200 | 500 | 125 | 625 | 3 | | | 1 | 400 |
| 84 Tinsmithing, coppersmithing, and sheet-iron working..... | 52 | 167,507 | 17,825 | 35,150 | 26,030 | 77,902 | 60 | 1 | 600 | 92 | 44,814 |
| 85 Tobacco, cigars and cigarettes..... | 42 | 147,199 | 4,275 | 11,000 | 5,280 | 126,644 | 48 | 4 | 2,150 | 284 | 146,842 |
| 86 Tools, not elsewhere specified..... | 3 | 84,370 | 9,100 | 22,440 | 24,553 | 28,277 | 5 | 2 | 1,650 | 68 | 30,536 |
| 87 Toys and games..... | 6 | 85,640 | 2,150 | 15,100 | 14,000 | 54,390 | 7 | 6 | 3,300 | 101 | 36,173 |
| 88 Trunks and valises..... | 3 | 8,850 | 1,100 | 1,400 | 1,550 | 4,800 | 3 | | | 7 | 8,664 |
| 89 Upholstering materials..... | 9 | 111,839 | 18,650 | 15,000 | 23,500 | 54,689 | 13 | | | 75 | 29,047 |
| 90 Vinegar and cider..... | 30 | 83,732 | 4,523 | 30,715 | 37,634 | 10,860 | 30 | 16 | 4,394 | 21 | 7,711 |
| 91 Watch, clock, and jewelry repairing..... | 127 | 100,295 | 4,175 | 11,325 | 40,130 | 44,665 | 188 | | | 103 | 52,407 |
| 92 Wirework, including wire rope and cable. | 4 | 10,985 | | | 4,760 | 6,225 | 5 | | | 1 | 620 |
| 93 Wood, turned and carved..... | 33 | 241,616 | 27,513 | 52,750 | 79,914 | 81,439 | 41 | 8 | 12,300 | 547 | 171,110 |
| 94 Woodenware, not elsewhere specified..... | 3 | 35,279 | 3,000 | 4,000 | 11,756 | 16,523 | 2 | 1 | 780 | 18 | 6,909 |
| 95 Woolen goods..... | 43 | 8,160,673 | 753,850 | 1,187,433 | 1,872,793 | 4,346,537 | 37 | 129 | 152,574 | 4,012 | 1,571,520 |
| 96 All other industries ¹ | 77 | 6,409,446 | 228,612 | 662,330 | 943,872 | 4,574,682 | 65 | 168 | 171,166 | 8,082 | 1,195,028 |

¹ Embraces axle grease, 1; belting and hose, leather, 1; bicycles and tricycles, 1; brass castings and brass finishing, 2; brassware, 1; buttons, 1; carpets, rag, 1; cars and general shop construction and repairs by street railroad companies, 1; cars, steam railroad, not including operations of railroad companies, 1; chemicals, 1; china decorating, 1; coffee and spice, roasting and grinding, 1; coffins, burial cases, and undertakers' goods, 1; druggists' preparations, not including prescriptions, 2; electroplating, 2; engraving and diesinking, 2; files, 1; fire extinguishers, chemical, 1; fish, canning and preserving, 1; food preparations, 2; fur goods, 1; glue, 2; grease and tallow, 1; hardware, 1; hats and caps, not including fur hats, and wool hats, 1; hones and whetstones, 1; house furnishing goods, not elsewhere specified, 1; instruments, professional and scientific, 2; iron and steel, forgings, 1; iron and steel, nails and spikes, cut and wrought, including wire nails, 1; jewelry, 1;

TABLE 8.—MANUFACTURES IN CITIES

MANCHESTER.

| 1 | All industries..... | 577 | \$22,426,125 | \$1,708,846 | \$2,417,374 | \$6,122,417 | \$12,177,488 | 605 | 844 | \$156,258 | 10,082 | \$7,030,966 |
|----|---|-----|--------------|-------------|-------------|-------------|--------------|-----|-----|-----------|--------|-------------|
| 2 | Bicycle and tricycle repairing..... | 9 | 6,410 | | | 3,285 | 3,125 | 11 | | | 9 | 3,990 |
| 3 | Blacksmithing and wheelwrighting..... | 29 | 25,800 | 875 | 2,700 | 8,750 | 13,975 | 81 | 1 | 450 | 60 | 33,803 |
| 4 | Boots and shoes, custom work and repairing..... | 52 | 17,539 | | | 6,080 | 11,459 | 52 | | | 58 | 30,523 |
| 5 | Boots and shoes, factory product..... | 6 | 1,169,181 | | | 153,217 | 1,015,964 | 7 | 92 | 96,115 | 2,002 | 837,292 |
| 6 | Bottling..... | 20 | 49,406 | 5,600 | 7,030 | 12,256 | 24,000 | 25 | 1 | 600 | 52 | 27,334 |
| 7 | Bread and other bakery products..... | 31 | 33,125 | 1,000 | 1,000 | 11,800 | 19,325 | 37 | 2 | 975 | 81 | 37,975 |
| 8 | Carpentering..... | 25 | 174,736 | 12,640 | 12,810 | 15,895 | 183,391 | 27 | | | 354 | 170,101 |
| 9 | Carriages and wagons..... | 9 | 247,549 | 54,550 | 32,750 | 13,500 | 146,749 | 9 | 12 | 7,358 | 110 | 56,297 |
| 10 | Clothing, men's, custom work and repairing..... | 32 | 68,395 | | | 9,970 | 58,425 | 35 | 9 | 4,194 | 153 | 60,011 |
| 11 | Clothing, women's, dressmaking..... | 63 | 20,662 | 1,250 | 2,300 | 4,772 | 12,340 | 67 | | | 121 | 41,001 |
| 12 | Cotton goods..... | 4 | 12,699,055 | 840,000 | 1,490,800 | 4,510,500 | 5,857,755 | | 48 | 143,500 | 10,616 | 3,553,413 |
| 13 | Foundry and machine shop products..... | 9 | 556,613 | 152,000 | 63,000 | 139,549 | 202,064 | 7 | 17 | 23,230 | 422 | 202,805 |
| 14 | Furniture, cabinetmaking, repairing, and upholstering..... | 10 | 26,950 | 2,500 | 2,000 | 2,980 | 19,470 | 10 | 1 | 300 | 26 | 14,155 |
| 15 | Hairwork..... | 3 | 3,550 | | | 225 | 3,325 | 3 | | | 10 | 4,066 |
| 16 | Hosiery and knit goods..... | 4 | 671,695 | 74,756 | 47,638 | 168,049 | 381,152 | 2 | 17 | 18,550 | 562 | 188,041 |
| 17 | Leather, tanned, curried, and finished..... | 4 | 313,476 | 40,000 | 50,000 | 56,300 | 167,176 | 4 | 6 | 8,632 | 61 | 23,050 |
| 18 | Lock and gun smithing..... | 4 | 1,000 | | | 450 | 550 | 4 | | | 3 | 1,850 |
| 19 | Looking-glass and picture frames..... | 4 | 2,970 | | | 470 | 2,500 | 6 | | | 2 | 940 |
| 20 | Lumber and timber products..... | 5 | 135,135 | 48,725 | 4,110 | 15,700 | 66,600 | 7 | | | 37 | 17,420 |
| 21 | Lumber, planing mill products, including sash, doors, and blinds..... | 5 | 255,805 | 48,500 | 79,344 | 42,892 | 85,069 | 4 | 6 | 4,374 | 115 | 57,997 |

SPECIFIED INDUSTRIES: 1900—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES--continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|---|-----------|------------------------------|---------|------------------------------|--------|-------------------------|-------------------|--|--|------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 23 | \$10,131 | 7 | \$2,280 | 1 | \$86 | \$1,646 | \$559 | \$202 | \$885 | | \$29,488 | \$27,747 | \$1,741 | \$53,121 | 57 |
| 2 | 1,954 | 386 | 115,014 | 2 | 118 | 53,259 | 40,945 | 2,397 | 9,812 | \$105 | 405,849 | 401,781 | 4,068 | 770,879 | 58 |
| 30 | 11,362 | 2 | 1,023 | | | 69,051 | 686 | 672 | 67,743 | | 71,070 | 70,596 | 474 | 210,108 | 59 |
| 547 | 376,272 | | | | | 46,902 | 6,248 | 1,876 | 11,217 | 27,561 | 249,337 | 241,421 | 7,916 | 858,391 | 60 |
| 235 | 99,668 | | | | | 10,995 | 1,000 | 698 | 9,297 | | 98,775 | 97,995 | 780 | 393,257 | 61 |
| 281 | 99,263 | 177 | 45,757 | | | 5,825 | 225 | 968 | 4,632 | | 27,925 | 25,488 | 2,442 | 261,822 | 62 |
| 30 | 13,439 | 10 | 3,111 | | | 5,543 | 1,750 | 118 | 3,680 | | 29,527 | 29,247 | 280 | 67,190 | 63 |
| 648 | 290,933 | | | | | 22,351 | 14,358 | 1,158 | 5,923 | 912 | 198,889 | 195,432 | 3,457 | 726,238 | 64 |
| 223 | 988,936 | 168 | 47,920 | | | 539,955 | 1,910 | 50,995 | 365,898 | 121,152 | 3,953,334 | 3,451,769 | 501,565 | 7,204,733 | 65 |
| 7 | 8,890 | | | | | 368 | 269 | 81 | 68 | | 3,548 | 3,516 | 32 | 12,009 | 66 |
| 16 | 7,779 | 9 | 2,294 | | | 62,382 | 953 | 329 | 61,100 | | 27,208 | 26,803 | 405 | 166,797 | 67 |
| 125 | 59,277 | | | | | 1,972 | 511 | 451 | 1,010 | | 33,764 | 31,943 | 1,821 | 143,834 | 68 |
| 55 | 29,269 | 89 | 22,066 | 6 | 2,400 | 21,885 | 13,576 | 747 | 5,105 | 2,847 | 69,703 | 67,369 | 2,334 | 246,662 | 69 |
| 5 | 1,750 | 1 | 600 | | | 151 | 114 | 2 | 35 | | 1,888 | 1,856 | 33 | 7,300 | 70 |
| 49 | 19,045 | | | | | 1,145 | 795 | | 350 | | 37,060 | 35,420 | 1,640 | 65,241 | 71 |
| 482 | 254,583 | | | 1 | 100 | 37,540 | 21,182 | 3,259 | 12,009 | 1,000 | 631,855 | 627,443 | 4,412 | 1,176,336 | 72 |
| 72 | 31,851 | 17 | 4,583 | 1 | 150 | 9,119 | 5,483 | 822 | 2,444 | 370 | 88,636 | 85,624 | 3,012 | 138,116 | 73 |
| 395 | 196,346 | 170 | 64,548 | 6 | 977 | 63,072 | 16,517 | 5,285 | 38,845 | 2,425 | 166,524 | 162,412 | 14,112 | 762,560 | 74 |
| 31 | 16,632 | | | | | 1,408 | 770 | 135 | 503 | | 24,756 | 24,321 | 435 | 57,140 | 75 |
| 192 | 90,357 | 9 | 2,987 | | | 24,307 | 9,819 | 1,783 | 12,610 | 95 | 181,077 | 177,657 | 3,420 | 393,301 | 76 |
| 11 | 5,865 | 1 | 300 | | | 698 | 340 | 81 | 277 | | 28,273 | 27,990 | 283 | 43,060 | 77 |
| 16 | 2,350 | | | | | 289 | 258 | 4 | 27 | | 1,264 | 1,250 | 14 | 6,100 | 78 |
| 5 | 3,600 | | | | | 368 | 110 | 41 | 217 | | 2,625 | 2,475 | 160 | 9,793 | 79 |
| 14 | 5,890 | | | | | 1,539 | 214 | 195 | 1,130 | | 14,293 | 13,393 | 900 | 34,023 | 80 |
| 4 | 1,465 | | | | | 425 | | 60 | 365 | | 14,337 | 14,047 | 340 | 18,500 | 81 |
| 20 | 7,340 | 6 | 1,590 | | | 488 | 98 | 125 | 260 | | 4,948 | 4,863 | 85 | 22,400 | 82 |
| 1 | 1,400 | | | | | 81 | 60 | 12 | 12 | | 240 | 215 | 25 | 1,900 | 83 |
| 91 | 44,214 | 1 | 600 | | | 9,905 | 5,258 | 1,413 | 3,234 | | 88,395 | 86,598 | 1,797 | 187,540 | 84 |
| 235 | 132,381 | 46 | 13,451 | 3 | 510 | 46,314 | 5,084 | 640 | 39,990 | | 275,569 | 274,217 | 1,352 | 540,698 | 85 |
| 53 | 25,800 | 18 | 4,296 | 2 | 440 | 6,203 | 60 | 418 | 5,725 | | 20,272 | 19,202 | 1,070 | 66,221 | 86 |
| 69 | 28,585 | 28 | 7,075 | 4 | 563 | 15,996 | 68 | 319 | 15,609 | | 71,193 | 69,125 | 2,068 | 135,863 | 87 |
| 7 | 3,664 | | | | | 656 | 420 | 115 | 121 | | 6,214 | 6,130 | 84 | 11,790 | 88 |
| 75 | 29,047 | | | | | 7,425 | 575 | 715 | 6,185 | | 64,180 | 64,149 | 40 | 123,298 | 89 |
| 21 | 7,711 | | | | | 4,950 | 150 | 539 | 4,261 | | 38,237 | 37,319 | 918 | 82,712 | 90 |
| 100 | 51,570 | 2 | 733 | 1 | 104 | 16,446 | 11,605 | 625 | 3,966 | 250 | 40,503 | 38,767 | 1,736 | 182,040 | 91 |
| 1 | 620 | | | | | 1,144 | 827 | 32 | 785 | | 4,205 | 4,191 | 14 | 10,289 | 92 |
| 544 | 170,804 | 1 | 100 | 2 | 206 | 13,504 | 1,892 | 1,848 | 9,264 | 500 | 199,547 | 196,906 | 2,641 | 489,348 | 93 |
| 18 | 6,909 | | | | | 1,514 | 700 | 134 | 680 | | 5,008 | 4,688 | 420 | 22,354 | 94 |
| 2,657 | 1,181,594 | 1,299 | 423,829 | 86 | 16,097 | 346,316 | 5,756 | 39,490 | 301,070 | | 4,741,396 | 4,613,995 | 127,401 | 7,624,062 | 95 |
| 1,829 | 826,057 | 1,183 | 356,701 | 70 | 12,870 | 360,441 | 14,885 | 32,142 | 295,346 | 18,068 | 3,743,860 | 3,628,406 | 115,454 | 6,120,253 | 96 |

jewelry and instrument cases, 1; kaolin and other earth grinders, 1; kindling wood, 1; labels and tags, 1; lasts, 1; leather goods, 2; linen goods, 1; liquors, distilled, 1; liquors, vinous, 1; musical instruments and materials, not specified, 1; musical instruments, organs and materials, 1; paper goods, not elsewhere specified, 1; perfumery and cosmetics, 2; pickles, preserves, and sauces, 1; pipes, tobacco, 1; pocketbooks, 1; pottery, terra cotta, and fire-clay products, 2; printing materials, 1; refrigerators, 1; saws, 2; sewing machines and attachments, 1; shirts, 1; shoddy, 2; silk and silk goods, 2; silverware, 1; slaughtering and meat packing, wholesale, 1; sporting goods, 2; stationery goods, not elsewhere specified, 1; sugar and molasses, refining, 1; wheelbarrows, 1; worsted goods, 2.

BY SPECIFIED INDUSTRIES: 1900.

MANCHESTER.

| | | | | | | | | | | | | | | | |
|--------|-------------|-------|-------------|-----|-----------|-------------|-----------|-----------|-------------|----------|--------------|--------------|-----------|--------------|----|
| 10,302 | \$4,410,687 | 8,236 | \$2,511,181 | 494 | \$109,098 | \$1,548,205 | \$136,448 | \$236,948 | \$1,161,916 | \$12,893 | \$14,755,640 | \$14,833,556 | \$372,084 | \$26,607,600 | 1 |
| 9 | 3,990 | | | | | 1,279 | 1,086 | 20 | 173 | | 5,098 | 4,788 | 310 | 16,870 | 2 |
| 60 | 33,803 | | | | | 4,531 | 3,930 | 92 | 509 | | 25,352 | 23,557 | 1,795 | 87,454 | 3 |
| 57 | 29,911 | 1 | 612 | | | 2,764 | 2,219 | 50 | 495 | | 16,995 | 16,407 | 588 | 75,774 | 4 |
| 1,320 | 617,726 | 620 | 206,230 | 62 | 13,336 | 76,135 | 9,441 | 2,189 | 64,555 | | 2,901,050 | 2,801,970 | 12,080 | 4,052,204 | 5 |
| 52 | 27,834 | | | | | 5,780 | 3,053 | 338 | 2,389 | | 201,466 | 200,015 | 1,451 | 286,502 | 6 |
| 63 | 32,186 | 17 | 5,664 | 1 | 125 | 5,892 | 4,424 | 213 | 755 | | 138,717 | 135,621 | 3,196 | 219,378 | 7 |
| 354 | 170,101 | | | | | 8,243 | 1,549 | 2,481 | 4,213 | | 257,624 | 257,006 | 618 | 523,416 | 8 |
| 108 | 55,477 | 2 | 820 | | | 6,777 | 1,187 | 392 | 4,038 | | 52,077 | 51,125 | 952 | 165,966 | 9 |
| 55 | 32,568 | 98 | 27,448 | | | 10,649 | 8,561 | 340 | 1,648 | 100 | 70,265 | 69,619 | 646 | 130,037 | 10 |
| | | 121 | 41,001 | | | 3,443 | 2,949 | 40 | 319 | 135 | 25,476 | 25,032 | 444 | 99,711 | 11 |
| 4,685 | 1,785,654 | 5,578 | 1,687,116 | 353 | 80,643 | 807,339 | | 168,456 | 638,933 | | 5,849,329 | 5,655,321 | 194,008 | 11,723,508 | 12 |
| 412 | 199,905 | 10 | 2,400 | | | 22,090 | 4,830 | 6,177 | 11,083 | | 241,876 | 238,560 | 8,316 | 511,208 | 13 |
| 22 | 12,069 | | 1,486 | | | 1,906 | 1,176 | 220 | 509 | | 24,997 | 24,560 | 411 | 51,256 | 14 |
| 4 | 1,986 | 6 | 2,080 | | | 1,338 | 1,276 | 27 | 35 | | 2,858 | 2,815 | 48 | 10,450 | 15 |
| 178 | 68,947 | 363 | 114,294 | 21 | 4,800 | 73,679 | 5,000 | 1,695 | 63,354 | 3,500 | 483,044 | 476,442 | 7,202 | 884,343 | 16 |
| 61 | 23,050 | | | | | 18,783 | 1,400 | 1,113 | 12,635 | | 423,143 | 419,322 | 3,321 | 499,184 | 17 |
| 3 | 1,850 | | | | | 220 | 208 | 2 | 10 | | 781 | 740 | 41 | 4,800 | 18 |
| 2 | 940 | | | | | 1,364 | 806 | 33 | 525 | | 8,687 | 8,647 | 40 | 15,500 | 19 |
| 37 | 17,420 | | | | | 5,915 | | 1,230 | 1,285 | 3,400 | 97,364 | 97,328 | 36 | 165,780 | 20 |
| 115 | 57,997 | | | | | 15,715 | 150 | 2,857 | 12,703 | | 116,679 | 115,829 | 850 | 213,024 | 21 |

TABLE 8.—MANUFACTURES IN CITIES

MANCHESTER—Continued.

| | MANUFACTURING AND MECHANICAL INDUSTRIES, AND CITIES AND TOWNS. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|----|--|---------------------------|-----------|---------|------------|-----------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and implements. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average number. | Wages. |
| 22 | Marble and stone work | 7 | \$31,900 | \$4,500 | \$800 | \$7,900 | \$18,700 | 8 | 7 | \$5,000 | 85 | \$20,982 |
| 23 | Masonry, brick and stone | 12 | 16,850 | 900 | 8,200 | 5,150 | 7,600 | 14 | | | 89 | 19,085 |
| 24 | Millinery, custom work | 28 | 68,740 | | | 3,890 | 63,850 | 33 | 2 | 720 | 112 | 36,620 |
| 25 | Painting, house, sign, etc | 24 | 46,097 | 5,000 | 5,000 | 6,487 | 29,610 | 29 | 3 | 1,730 | 134 | 63,314 |
| 26 | Photography | 9 | 11,950 | | | 7,675 | 4,275 | 10 | 2 | 350 | 18 | 6,951 |
| 27 | Plumbing, and gas and steam fitting | 29 | 155,314 | | 1,206 | 16,828 | 137,280 | 31 | 18 | 12,715 | 123 | 64,056 |
| 28 | Printing and publishing, book and job | 13 | 29,125 | | | 19,850 | 9,775 | 13 | | | 30 | 14,100 |
| 29 | Printing and publishing, newspapers and periodicals. | 7 | 310,570 | 75,000 | 45,000 | 91,250 | 99,320 | 8 | 22 | 23,757 | 139 | 80,500 |
| 30 | Roofing and roofing materials. | 4 | 5,900 | | | 1,300 | 4,600 | 5 | | | 16 | 8,760 |
| 31 | Saddlery and harness | 10 | 84,534 | | | 3,675 | 39,859 | 11 | 1 | 468 | 59 | 29,943 |
| 32 | Sausage | 4 | 4,945 | | | 3,095 | 1,850 | 6 | | | 11 | 5,215 |
| 33 | Tinsmithing, coppersmithing, and sheet-iron working. | 4 | 11,625 | | | 3,625 | 3,000 | 4 | | | 21 | 8,800 |
| 34 | Tobacco, cigars and cigarettes | 16 | 102,150 | 8,900 | 10,600 | 1,125 | 86,525 | 19 | 1 | 650 | 137 | 96,469 |
| 35 | Watch, clock, and jewelry repairing | 13 | 10,675 | | | 3,950 | 6,725 | 20 | | | 24 | 14,315 |
| 36 | Wood, turned and carved | 8 | 90,577 | 16,500 | 21,000 | 19,577 | 33,500 | 1 | 6 | 9,300 | 356 | 95,442 |
| 37 | All other industries ¹ | 62 | 5,016,221 | 321,250 | 585,066 | 751,400 | 3,408,505 | 50 | 69 | 93,220 | 2,879 | 1,105,000 |

¹ Embraces awnings, tents, and sails, 1; baskets, and rattan and willow ware, 1; bookbinding and blank book making, 1; boot and shoe, cut stock, 1; boxes, fancy and paper, 1; boxes, wooden packing, 1; brass castings and brass finishing, 1; brooms and brushes, 1; carpets, rag, 1; cars and general shop construction and repairs by steam railroad companies, 1; cars and general shop construction and repairs by street railroad companies, 1; cheese, butter, and condensed milk, factory product, 1; china decorating, 1; clothing, women's, factory product, 1; coffee and spice, roasting and grinding, 1; coffins, burial cases, and undertakers' goods, 1; confectionery, 2; cooperage, 1; dyeing and cleaning, 2; dyeing and finishing textiles, 1; electrical apparatus and supplies, 2; electrical construction and

NASHUA.

| | | | | | | | | | | | | |
|----|--|-----|-------------|-----------|-------------|-------------|-------------|-----|-----|-----------|-------|-------------|
| 1 | All industries | 251 | \$9,587,890 | \$385,900 | \$1,313,939 | \$2,720,856 | \$5,106,645 | 253 | 207 | \$204,657 | 6,442 | \$2,625,898 |
| 2 | Bicycle and tricycle repairing | 6 | 3,215 | | | 1,515 | 1,700 | 7 | 1 | 300 | 5 | 2,085 |
| 3 | Blacksmithing and wheelwrighting | 12 | 9,075 | | | 4,800 | 4,275 | 13 | | | 16 | 10,154 |
| 4 | Boots and shoes, custom work and repairing | 19 | 4,110 | | | 2,600 | 1,510 | 19 | | | 4 | 1,565 |
| 5 | Bottling | 4 | 23,800 | 1,000 | 2,000 | 10,800 | 10,000 | 5 | | | 18 | 1,900 |
| 6 | Bread and other bakery products | 10 | 47,000 | 6,500 | 13,000 | 18,250 | 14,250 | 9 | 3 | 2,800 | 59 | 31,790 |
| 7 | Carpentering | 11 | 49,350 | 1,100 | 6,000 | 14,350 | 27,900 | 11 | 1 | 550 | 71 | 41,805 |
| 8 | Clothing, men's, custom work and repairing | 9 | 27,087 | | | 2,723 | 24,364 | 11 | 2 | 1,200 | 50 | 19,410 |
| 9 | Clothing, women's, dressmaking | 20 | 4,544 | 500 | 1,000 | 1,317 | 1,227 | 21 | 1 | 360 | 55 | 15,536 |
| 10 | Confectionery | 5 | 7,400 | | | 3,400 | 4,000 | 5 | | | 15 | 6,210 |
| 11 | Foundry and machine shop products | 12 | 692,713 | 85,800 | 125,169 | 139,101 | 342,643 | 7 | 38 | 35,927 | 567 | 255,172 |
| 12 | Furniture, factory product | 4 | 82,700 | 8,500 | 22,800 | 13,600 | 37,800 | 2 | 4 | 2,453 | 46 | 18,093 |
| 13 | Lock and gun smithing | 3 | 2,025 | | | 1,500 | 525 | 3 | | | | |
| 14 | Lumber, planing mill products, including sash, doors, and blinds | 8 | 309,734 | 25,000 | 29,000 | 56,931 | 193,753 | 5 | 11 | 9,450 | 264 | 101,623 |
| 15 | Masonry, brick and stone | 12 | 36,250 | 11,600 | 1,520 | 12,930 | 10,200 | 11 | 2 | 2,000 | 164 | 85,100 |
| 16 | Mattresses and spring beds | 3 | 28,400 | 2,000 | 6,000 | 6,850 | 13,550 | 5 | 1 | 520 | 27 | 11,497 |
| 17 | Millinery, custom work | 20 | 32,475 | | | 2,875 | 29,600 | 22 | 8 | 2,860 | 63 | 15,985 |
| 18 | Monuments and tombstones | 3 | 10,900 | 500 | 3,100 | 1,100 | 6,200 | 5 | | | 10 | 6,400 |
| 19 | Painting, house, sign, etc | 19 | 21,053 | | | 4,410 | 16,643 | 21 | 2 | 300 | 81 | 36,655 |
| 20 | Patent medicines and compounds | 3 | 19,425 | | | 625 | 18,800 | 2 | 3 | 6,215 | 7 | 2,723 |
| 21 | Paving and paving materials | 3 | 8,850 | | | 1,250 | 7,600 | 3 | 1 | 500 | 22 | 8,875 |
| 22 | Photography | 6 | 4,775 | | | 4,250 | 525 | 6 | | | 6 | 2,200 |
| 23 | Plumbing, and gas and steam fitting | 9 | 39,025 | | | 7,575 | 31,450 | 11 | 7 | 5,303 | 59 | 31,231 |
| 24 | Printing and publishing, book and job | 4 | 8,100 | | | 6,200 | 1,900 | 5 | | | 9 | 3,525 |
| 25 | Printing and publishing, newspapers and periodicals | 3 | 58,400 | | 100 | 29,500 | 28,300 | 1 | 5 | 5,504 | 32 | 16,342 |
| 26 | Saddlery and harness | 3 | 6,650 | | | 550 | 6,100 | 3 | | | 6 | 3,000 |
| 27 | Tobacco, cigars and cigarettes | 6 | 11,034 | | | 1,275 | 9,759 | 7 | 2 | 500 | 39 | 23,521 |
| 28 | Watch, clock, and jewelry repairing | 5 | 2,025 | | | 1,500 | 525 | 5 | | | 6 | 3,820 |
| 29 | All other industries ¹ | 31 | 8,037,273 | 243,400 | 1,104,300 | 2,373,529 | 4,316,044 | 28 | 115 | 127,415 | 4,741 | 1,870,276 |

¹ Embraces baskets, and rattan and willow ware, 1; boots and shoes, factory product, 2; boxes, fancy and paper, 1; boxes, wooden packing, 1; carriages and wagons, 1; cars and general shop construction and repairs by steam railroad companies, 1; clothing, men's, factory product, 1; cooperage, 1; cotton goods, 2; cutlery and edge tools, 1; dyeing and cleaning, 2; electrical construction and repairs, 1; flouring and grist mill products, 1; gas, illuminating and heating, 1; hand stamps, 1;

TABLE 9.—MANUFACTURES IN CITIES AND

| | | | | | | | | | | | | |
|----|----------------------------|-------|--------------|-------------|-------------|--------------|--------------|-------|-------|-------------|--------|--------------|
| 1 | Total for cities and towns | 2,237 | \$45,211,763 | \$3,082,314 | \$7,655,565 | \$11,538,468 | \$22,985,416 | 2,468 | 1,115 | \$1,121,738 | 30,431 | \$12,460,693 |
| 2 | Berlin | 66 | 5,098,457 | 410,250 | 746,150 | 1,932,168 | 1,959,389 | 73 | 58 | 83,286 | 1,707 | 720,776 |
| 3 | Claremont | 89 | 1,767,883 | 126,075 | 312,757 | 655,814 | 673,237 | 91 | 68 | 71,473 | 1,428 | 579,624 |
| 4 | Concord | 298 | 4,311,982 | 441,162 | 699,897 | 1,075,941 | 2,594,932 | 355 | 162 | 144,051 | 3,101 | 1,612,908 |
| 5 | Derry | 26 | 344,504 | 18,150 | 39,250 | 54,437 | 232,667 | 29 | 11 | 11,250 | 887 | 359,089 |
| 6 | Dover | 184 | 6,784,280 | 464,770 | 1,076,039 | 1,876,908 | 3,865,913 | 197 | 109 | 142,989 | 3,289 | 1,450,278 |
| 7 | Exeter | 104 | 1,507,485 | 90,146 | 222,527 | 404,631 | 781,181 | 106 | 43 | 39,265 | 1,290 | 582,756 |
| 8 | Farmington | 57 | 393,509 | 11,440 | 60,625 | 97,828 | 223,616 | 64 | 12 | 7,401 | 505 | 189,281 |
| 9 | Franklin | 92 | 1,975,868 | 191,350 | 412,781 | 474,742 | 896,992 | 101 | 82 | 45,294 | 1,291 | 493,773 |
| 10 | Greenville | 15 | 728,004 | 24,225 | 162,305 | 184,575 | 356,899 | 13 | 5 | 7,609 | 477 | 167,501 |
| 11 | Haverhill | 44 | 257,007 | 76,700 | 88,925 | 34,430 | 61,952 | 46 | 20 | 4,730 | 170 | 68,103 |

BY SPECIFIED INDUSTRIES: 1900—Continued.

MANCHESTER—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|----------|------------------------------|----------|------------------------------|--------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average number. | Wages. | Average number. | Wages. | Average number. | Wages. | | | | | | | | | | |
| 85 | \$20,982 | --- | --- | --- | --- | \$1,449 | \$191 | \$140 | \$1,068 | \$50 | \$20,805 | \$19,745 | \$560 | \$58,800 | 22 |
| 39 | 19,085 | --- | --- | --- | --- | 805 | 320 | 72 | 413 | --- | 14,757 | 14,587 | 170 | 44,251 | 23 |
| 2 | 779 | 110 | \$35,741 | --- | --- | 15,809 | 12,832 | 540 | 2,367 | 70 | 102,298 | 101,789 | 509 | 196,614 | 24 |
| 134 | 63,314 | --- | --- | --- | --- | 4,822 | 2,535 | 278 | 2,009 | --- | 49,605 | 49,276 | 329 | 149,183 | 25 |
| 10 | 6,046 | 8 | 905 | --- | --- | 8,787 | 3,157 | 44 | 586 | --- | 12,967 | 12,937 | 30 | 32,850 | 26 |
| 123 | 64,056 | --- | --- | --- | --- | 9,749 | 6,528 | 669 | 2,552 | --- | 150,164 | 149,240 | 924 | 281,256 | 27 |
| 23 | 11,900 | 6 | 2,050 | 1 | \$150 | 2,951 | 2,105 | 199 | 562 | 85 | 11,489 | 10,577 | 862 | 38,689 | 28 |
| 113 | 60,004 | 26 | 20,496 | --- | --- | 24,974 | 8,582 | 2,011 | 17,656 | 1,725 | 48,196 | 44,483 | 3,713 | 213,712 | 29 |
| 16 | 8,750 | --- | --- | --- | --- | 378 | 235 | 63 | 80 | --- | 9,891 | 9,190 | 201 | 24,100 | 30 |
| 57 | 27,627 | 2 | 1,716 | --- | --- | 2,888 | 1,736 | 201 | 946 | --- | 40,244 | 39,852 | 392 | 89,442 | 31 |
| 10 | 4,915 | 1 | 300 | --- | --- | 578 | 340 | 31 | 207 | --- | 25,908 | 25,700 | 208 | 37,460 | 32 |
| 20 | 8,200 | 1 | 600 | --- | --- | 1,774 | 1,140 | 70 | 564 | --- | 13,830 | 12,981 | 349 | 28,650 | 33 |
| 144 | 83,559 | 42 | 12,760 | 1 | 150 | 29,086 | 2,598 | 422 | 26,071 | --- | 226,992 | 226,362 | 630 | 400,538 | 34 |
| 24 | 14,815 | --- | --- | --- | --- | 1,863 | 1,357 | 63 | 318 | 125 | 7,461 | 7,327 | 134 | 32,720 | 35 |
| 356 | 95,442 | --- | --- | --- | --- | 4,194 | 600 | 891 | 2,703 | --- | 135,949 | 135,899 | 550 | 310,476 | 36 |
| 1,599 | 747,704 | 1,225 | 347,462 | 55 | 9,894 | 369,812 | 43,952 | 42,839 | 282,953 | 68 | 2,940,166 | 2,813,981 | 126,175 | 4,932,540 | 37 |

repairs, 1; electroplating, 1; engraving and diesinking, 2; fire extinguishers, chemical, 1; flavoring extracts, 1; fur goods, 1; furniture, factory product, 1; gas, illuminating and heating, 1; grease and tallow, 1; hand stamps, 1; hardware, 1; jewelry, 1; leather goods, 1; liquors, malt, 1; mineral and soda waters, 1; monuments and tombstones, 2; needles and pins, 2; optical goods, 2; paper and wood pulp, 2; paper hanging, 2; patent medicines and compounds, 1; paving and paving materials, 2; plastering and stucco work, 2; sewing machine repairing, 2; shirts, 1; sugar and molasses, refining, 1; taxidermy, 1; trunks and valises, 1; worsted goods, 1.

NASHUA.

| | | | | | | | | | | | | | | | |
|-------|-------------|-------|-----------|----|----------|-----------|----------|----------|-----------|-------|-------------|-------------|-----------|--------------|----|
| 4,221 | \$1,924,175 | 2,134 | \$679,626 | 87 | \$22,097 | \$574,497 | \$45,759 | \$67,332 | \$461,008 | \$408 | \$6,470,716 | \$6,353,233 | \$117,483 | \$11,037,676 | 1 |
| 5 | 2,085 | | | | | 982 | 704 | 43 | 235 | | 5,207 | 4,930 | 277 | 12,945 | 2 |
| 16 | 10,154 | | | | | 2,231 | 1,966 | 100 | 165 | | 7,882 | 6,892 | 490 | 31,700 | 3 |
| 4 | 1,565 | | | | | 1,039 | 961 | 8 | 76 | | 4,635 | 4,283 | 249 | 16,320 | 4 |
| 18 | 1,900 | | | | | 1,900 | 1,120 | 149 | 691 | | 56,185 | 55,935 | 200 | 102,140 | 5 |
| 59 | 81,780 | | | | | 8,567 | 1,224 | 511 | 1,532 | | 74,250 | 71,250 | 8,000 | 138,180 | 6 |
| 71 | 41,305 | | | | | 1,193 | 584 | 82 | 527 | | 19,856 | 19,633 | 223 | 79,571 | 7 |
| 16 | 8,752 | 34 | 10,658 | | | 4,336 | 2,619 | 139 | 1,578 | | 13,407 | 13,155 | 252 | 59,630 | 8 |
| 9 | 4,600 | 55 | 15,536 | | | 1,910 | 1,664 | 24 | 222 | | 9,987 | 9,636 | 351 | 41,930 | 9 |
| 567 | 255,172 | 6 | 1,550 | | | 1,660 | 1,026 | 84 | 550 | | 18,300 | 18,350 | 450 | 33,700 | 10 |
| 46 | 18,093 | | | | | 64,194 | 400 | 3,560 | 59,866 | 868 | 329,823 | 302,215 | 21,608 | 847,834 | 11 |
| 264 | 101,528 | | | | | 5,633 | 420 | 533 | 4,680 | | 14,854 | 14,304 | 550 | 47,435 | 12 |
| 164 | 85,100 | | | | | 359 | 304 | 20 | 35 | | 892 | 800 | 92 | 3,550 | 13 |
| 20 | 9,431 | | | | | 24,636 | 3,000 | 2,591 | 19,095 | | 277,096 | 277,096 | | 445,500 | 14 |
| 164 | 85,100 | | | | | 433 | 128 | 212 | 93 | | 9,358 | 9,261 | 97 | 118,730 | 15 |
| 20 | 9,431 | 6 | 1,980 | 1 | 86 | 1,542 | 475 | 192 | 875 | | 26,887 | 25,362 | 1,525 | 48,721 | 16 |
| 10 | 6,400 | 63 | 15,935 | | | 6,981 | 5,881 | 183 | 882 | 35 | 50,742 | 49,955 | 787 | 97,532 | 17 |
| 81 | 36,655 | | | | | 666 | 354 | 112 | 200 | | 11,798 | 11,725 | 73 | 25,200 | 18 |
| 3 | 1,704 | | | | | 1,885 | 1,520 | 81 | 284 | | 12,653 | 12,338 | 315 | 70,320 | 19 |
| 22 | 8,876 | 4 | 1,019 | | | 43,912 | 568 | 246 | 48,098 | | 18,080 | 12,890 | 140 | 111,209 | 20 |
| 4 | 1,550 | 2 | 650 | | | 369 | 190 | 24 | 155 | | 4,925 | 4,775 | 150 | 18,300 | 21 |
| 59 | 31,231 | | | | | 1,434 | 1,320 | 10 | 104 | | 1,870 | 1,635 | 185 | 9,950 | 22 |
| 7 | 8,025 | 2 | 500 | | | 5,065 | 2,749 | 391 | 1,925 | | 97,367 | 96,766 | 601 | 164,894 | 23 |
| 25 | 13,118 | 7 | 3,224 | | | 863 | 628 | 69 | 166 | | 3,743 | 3,405 | 338 | 13,000 | 24 |
| 6 | 3,000 | | | | | 2,932 | 1,864 | 296 | 772 | | 10,463 | 9,412 | 1,051 | 57,044 | 25 |
| 88 | 23,380 | | | | | 919 | 744 | 125 | 50 | | 2,654 | 2,585 | 69 | 11,500 | 26 |
| 6 | 3,820 | 1 | 141 | | | 6,731 | 1,138 | 63 | 5,530 | | 17,003 | 16,836 | 117 | 56,839 | 27 |
| 2,701 | 1,219,882 | 1,954 | 623,383 | 86 | 22,011 | 719 | 650 | 11 | 58 | | 910 | 810 | 100 | 9,250 | 28 |
| | | | | | | 386,296 | 11,558 | 57,478 | 317,260 | | 5,376,039 | 5,291,846 | 84,193 | 8,364,752 | 29 |

hardware, saddlery, 1; hosiery and knit goods, 1; house furnishing goods, not elsewhere specified, 1; iron and steel, forgings, 1; leather, tanned, curried, and finished, 1; liquors, vinous, 1; marble and stone work, 2; paper goods, not elsewhere specified, 1; paper hanging, 1; refrigerators, 1; roofing and roofing materials, 2; slaughtering and meat packing, wholesale, 1; tinmithing, coppersmithing, and sheet-iron working, 1; woodenware, not elsewhere specified, 1.

TOWNS UNDER 20,000 IN POPULATION: 1900.

| | | | | | | | | | | | | | | | |
|--------|-------------|-------|-------------|-----|-----------|-------------|-----------|-----------|-------------|-----------|--------------|--------------|-----------|--------------|----|
| 20,886 | \$9,711,794 | 8,792 | \$2,600,680 | 758 | \$148,274 | \$3,300,019 | \$237,623 | \$292,800 | \$2,471,229 | \$298,867 | \$31,047,394 | \$30,097,325 | \$950,069 | \$55,229,230 | 1 |
| 1,432 | 646,634 | 260 | 71,167 | 15 | 2,975 | 363,142 | 5,803 | 29,071 | 215,039 | 118,229 | 2,964,363 | 2,658,002 | 306,361 | 5,228,979 | 2 |
| 839 | 376,034 | 459 | 166,165 | 130 | 37,425 | 100,826 | 7,244 | 13,107 | 72,015 | 8,460 | 1,429,533 | 1,330,956 | 48,577 | 2,502,632 | 3 |
| 2,776 | 1,503,277 | 821 | 109,119 | 4 | 570 | 412,129 | 48,001 | 19,245 | 260,289 | 84,594 | 2,668,967 | 2,500,523 | 63,439 | 5,357,403 | 4 |
| 680 | 256,372 | 307 | 102,717 | | | 26,892 | 1,665 | 1,001 | 24,026 | 200 | 1,268,872 | 1,259,377 | 9,495 | 1,745,489 | 5 |
| 2,167 | 1,075,001 | 1,106 | 371,458 | 16 | 3,819 | 374,052 | 27,141 | 49,739 | 282,987 | 14,185 | 3,624,068 | 3,502,636 | 121,432 | 6,311,158 | 6 |
| 839 | 425,120 | 888 | 153,694 | 18 | 3,942 | 80,757 | 8,866 | 7,919 | 61,251 | 2,721 | 1,539,743 | 1,518,499 | 21,244 | 2,537,896 | 7 |
| 311 | 134,727 | 194 | 54,554 | | | 14,918 | 3,252 | 1,533 | 9,371 | 762 | 442,365 | 438,281 | 4,084 | 736,819 | 8 |
| 779 | 349,767 | 466 | 134,282 | 46 | 9,724 | 33,301 | 5,416 | 13,342 | 64,038 | 505 | 303,545 | 760,134 | 43,411 | 1,708,839 | 9 |
| 322 | 123,799 | 135 | 40,203 | 20 | 3,499 | 30,362 | 1,805 | 8,088 | 20,334 | 35 | 446,029 | 423,183 | 22,841 | 685,010 | 10 |
| 162 | 61,523 | 7 | 1,455 | 1 | 120 | 8,940 | 1,236 | 1,554 | 6,150 | | 215,528 | 210,385 | 5,143 | 334,519 | 11 |

TABLE 9.—MANUFACTURES IN CITIES AND

| | CITIES AND TOWNS. | Number of establishments. | CAPITAL. | | | | | Proprietors and firm members. | SALARIED OFFICIALS, CLERKS, ETC. | | AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. | |
|----|-------------------|---------------------------|-------------|-----------|------------|------------------------------------|--------------------|-------------------------------|----------------------------------|-----------|---|-----------|
| | | | Total. | Land. | Buildings. | Machinery, tools, and imple-ments. | Cash and sundries. | | Number. | Salaries. | Total. | |
| | | | | | | | | | | | Average number. | Wages. |
| 12 | Keene..... | 160 | \$2,805,729 | \$182,788 | \$329,633 | \$573,194 | \$1,270,164 | 163 | 115 | \$98,536 | 1,882 | \$842,373 |
| 13 | Laconia..... | 139 | 1,964,510 | 141,167 | 257,975 | 513,847 | 1,051,521 | 147 | 42 | 49,193 | 1,682 | 641,306 |
| 14 | Lancaster..... | 46 | 248,429 | 12,850 | 35,881 | 64,996 | 134,702 | 55 | 12 | 10,840 | 163 | 74,351 |
| 15 | Lebanon..... | 80 | 1,351,326 | 212,025 | 269,691 | 338,238 | 531,372 | 96 | 45 | 39,430 | 747 | 277,398 |
| 16 | Littleton..... | 71 | 670,392 | 86,335 | 72,720 | 85,170 | 475,658 | 81 | 16 | 15,942 | 675 | 215,877 |
| 17 | Milford..... | 77 | 856,565 | 72,753 | 151,287 | 224,637 | 407,888 | 91 | 36 | 31,275 | 646 | 276,876 |
| 18 | Newmarket..... | 29 | 1,261,519 | 76,450 | 310,450 | 526,470 | 348,149 | 29 | 9 | 15,429 | 790 | 267,124 |
| 19 | Newport..... | 63 | 610,424 | 20,765 | 49,400 | 156,770 | 383,489 | 70 | 39 | 37,524 | 737 | 278,771 |
| 20 | Pembroke..... | 41 | 592,855 | 19,100 | 31,380 | 239,275 | 253,100 | 45 | 14 | 11,275 | 762 | 227,320 |
| 21 | Peterboro..... | 43 | 643,590 | 36,610 | 130,855 | 233,772 | 242,362 | 45 | 19 | 11,971 | 364 | 133,462 |
| 22 | Pittsfield..... | 51 | 564,373 | 44,565 | 80,425 | 175,276 | 264,107 | 56 | 13 | 10,013 | 601 | 224,213 |
| 23 | Portsmouth..... | 176 | 4,167,545 | 141,284 | 1,287,703 | 732,562 | 2,006,046 | 189 | 108 | 119,658 | 1,809 | 384,309 |
| 24 | Rochester..... | 96 | 2,095,788 | 126,320 | 224,175 | 338,073 | 1,407,220 | 111 | 65 | 59,689 | 1,913 | 741,215 |
| 25 | Somersworth..... | 83 | 3,133,909 | 21,139 | 398,306 | 789,500 | 1,944,964 | 89 | 24 | 24,468 | 2,720 | 806,320 |
| 26 | Tilton..... | 41 | 180,622 | 11,475 | 25,400 | 57,365 | 86,382 | 45 | 11 | 8,239 | 219 | 90,663 |
| 27 | Winchester..... | 34 | 551,798 | 30,550 | 105,490 | 114,688 | 301,065 | 38 | 13 | 11,000 | 350 | 144,878 |
| 28 | Wolfboro..... | 32 | 343,456 | 32,470 | 27,935 | 53,152 | 229,899 | 43 | 14 | 9,923 | 276 | 114,595 |

TOWNS UNDER 20,000 IN POPULATION: 1900—Continued.

| AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued. | | | | | | MISCELLANEOUS EXPENSES. | | | | | COST OF MATERIALS USED. | | | Value of products, including custom work and repairing. | |
|--|-----------|------------------------------|-----------|------------------------------|---------|-------------------------|-------------------|--|--|-------------------|-------------------------|---|---|--|----|
| Men, 16 years and over. | | Women, 16 years and over. | | Children, under 16 years. | | Total. | Rent of works. | Taxes, not in- cluding internal revenue. | Rent of offices, interest, etc. | Contract work. | Total. | Principal materials, including mill supplies and freight. | Fuel and rent of power and heat. | | |
| Average num- ber. | Wages. | Average num- ber. | Wages. | Average num- ber. | Wages. | | | | | | | | | | |
| 1,458 | \$718,452 | 350 | \$118,897 | 29 | \$5,524 | \$131,557 | \$24,676 | \$9,841 | \$96,820 | \$220 | \$1,682,221 | \$1,614,837 | \$37,384 | \$3,083,149 | 12 |
| 1,071 | 478,549 | 595 | 160,787 | 16 | 1,970 | 113,970 | 22,504 | 10,820 | 69,606 | 11,040 | 1,293,192 | 1,260,979 | 32,213 | 2,389,202 | 13 |
| 143 | 69,046 | 20 | 5,305 | | | 38,895 | 3,319 | 1,827 | 25,484 | 8,265 | 240,036 | 236,568 | 3,468 | 442,780 | 14 |
| 468 | 193,440 | 277 | 83,518 | 2 | 440 | 41,059 | 4,967 | 4,659 | 30,883 | 1,170 | 887,600 | 865,999 | 21,601 | 1,534,628 | 15 |
| 426 | 156,468 | 227 | 64,982 | 22 | 4,427 | 27,103 | 5,110 | 2,922 | 17,339 | 1,732 | 568,993 | 562,698 | 6,295 | 952,829 | 16 |
| 494 | 235,787 | 188 | 38,065 | 14 | 3,024 | 74,915 | 4,238 | 4,806 | 56,508 | 9,253 | 524,790 | 512,333 | 12,457 | 1,027,824 | 17 |
| 379 | 150,593 | 383 | 107,941 | 28 | 8,590 | 57,884 | 1,609 | 11,285 | 29,990 | 15,000 | 575,577 | 563,421 | 12,156 | 1,044,793 | 18 |
| 366 | 171,035 | 371 | 107,736 | | | 39,781 | 5,296 | 2,462 | 31,897 | 126 | 789,017 | 780,755 | 8,262 | 1,274,829 | 19 |
| 429 | 148,856 | 227 | 64,382 | 106 | 14,582 | 11,310 | 2,006 | 5,285 | 4,019 | | 417,418 | 400,311 | 17,107 | 775,563 | 20 |
| 228 | 95,865 | 134 | 37,425 | 2 | 672 | 20,469 | 3,317 | 3,668 | 13,209 | 275 | 285,982 | 278,352 | 7,630 | 531,345 | 21 |
| 389 | 167,005 | 212 | 57,208 | | | 16,562 | 1,944 | 3,363 | 11,255 | | 625,112 | 620,490 | 4,622 | 1,092,069 | 22 |
| 1,383 | 738,748 | 416 | 144,359 | 10 | 1,202 | 851,647 | 21,991 | 41,752 | 776,304 | 11,600 | 2,204,376 | 2,163,250 | 51,126 | 4,813,138 | 23 |
| 1,890 | 603,568 | 427 | 118,118 | 96 | 19,529 | 127,905 | 11,104 | 12,978 | 96,013 | 7,810 | 2,555,818 | 2,511,734 | 44,084 | 3,812,512 | 24 |
| 1,341 | 543,201 | 1,201 | 236,879 | 178 | 26,240 | 185,680 | 7,753 | 27,355 | 150,512 | 60 | 2,062,927 | 2,028,562 | 34,365 | 3,605,666 | 25 |
| 120 | 54,756 | 99 | 35,907 | | | 13,097 | 3,605 | 843 | 6,824 | 1,825 | 153,484 | 150,498 | 2,986 | 326,055 | 26 |
| 847 | 144,318 | 8 | 560 | | | 27,103 | 743 | 3,291 | 23,069 | | 488,512 | 484,294 | 4,218 | 787,829 | 27 |
| 202 | 90,348 | 74 | 24,247 | | | 20,163 | 3,457 | 984 | 15,422 | 300 | 394,326 | 390,258 | 4,068 | 589,210 | 28 |