

Chapter II.—GENERAL SUMMARY

INTRODUCTION

The Census of Manufactures dates back to 1810, when, on the recommendation of the Secretary of the Treasury, Congress amended the census act to authorize a canvass of manufactures and to provide funds for it. The United States became thereby the first Nation to establish a census of industry. Censuses of Manufactures were also taken in 1820 and in 1840 (but not in 1830). The census taken in 1850 (covering industrial activities in 1849) was, however, the first whose results are fairly comparable with those for later years. (See Table 2, page 18.) That Census and all subsequent ones taken within the Nineteenth Century covered the so-called hand and neighborhood industries in addition to factory industries, but, beginning with the census for 1904 (the first of the quinquennial series), the Census of Manufactures has been restricted, in the main, to factory industries. (See Ch. 1, sec. 8c.)

TABLE I.—INDEXES FOR POPULATION, WAGE EARNERS, AND PRODUCTION: 1899 TO 1933

[For explanation of the methods used in computing the indexes in this table, see Ch. I, sec. 21]

| CENSUS YEAR | Population | Wage earners | Production (quantity) | Production per wage earner |
|-------------|------------|--------------|-----------------------|----------------------------|
| 1899..... | 100 | 100 | 100 | 100 |
| 1904..... | 110 | 114 | 122 | 107 |
| 1909..... | 121 | 137 | 159 | 116 |
| 1914..... | 131 | 146 | 170 | 116 |
| 1919..... | 140 | 191 | 214 | 112 |
| 1921..... | 145 | 147 | 169 | 115 |
| 1923..... | 149 | 186 | 263 | 141 |
| 1925..... | 154 | 178 | 274 | 154 |
| 1927..... | 158 | 177 | 274 | 155 |
| 1929..... | 162 | 188 | 311 | 165 |
| 1931..... | 166 | 139 | 206 | 148 |
| 1933..... | 168 | 129 | 191 | 148 |

¹ Revised.

TABLE 2.—SUMMARY FOR THE UNITED STATES: 1849 TO 1933

[The figures for 1931 and certain earlier years have been revised as follows, in order to make them comparable with those for 1933. For establishments with products valued at \$5,000 or more (see footnote 5), 1914 to 1923, inclusive, revised by subtracting data for "Coffee and spices, roasting and grinding," industry (no data for this industry included in 1923 figures as originally published); statistics for 1927 to 1931, inclusive, revised by subtracting data for "Coffee and spices, roasting and grinding" and "Peanuts, walnuts, and other nuts, processed or shelled," industries (no comparable data for last-named industry available for years prior to 1927). Neither of these industries was canvassed at the census for 1933]

| | Number of establishments | Wage earners (average for the year) | Wages | Cost of materials, containers, fuel, and purchased electric energy ¹ | Value of products ¹ | Value added by manufacture ² |
|--|--------------------------|-------------------------------------|--------------------|---|--------------------------------|---|
| FACTORIES AND HAND AND NEIGHBORHOOD INDUSTRIES | | | | | | |
| 1849 ³ | 123, 025 | 957, 050 | \$236, 755, 464 | \$555, 123, 882 | \$1, 019, 106, 616 | \$463, 982, 784 |
| 1859 ³ | 140, 433 | 1, 311, 246 | \$278, 878, 966 | \$1, 031, 605, 092 | \$1, 885, 861, 676 | \$854, 256, 584 |
| Percent of increase, 1849 to 1859..... | 14.1 | 37.0 | 60.0 | 85.8 | 85.1 | 84.1 |
| 1869 ² | 252, 148 | 2, 053, 996 | \$620, 467, 474 | \$1, 990, 741, 794 | \$3, 385, 860, 354 | \$1, 395, 118, 560 |
| Percent of increase, 1859 to 1869..... | 79.6 | 56.6 | 63.8 | 93.0 | 70.5 | 63.3 |
| 1879 ² | 253, 852 | 2, 732, 595 | \$947, 958, 795 | \$3, 396, 823, 549 | \$5, 369, 579, 191 | \$1, 972, 755, 642 |
| Percent of increase, 1869 to 1879..... | 0.7 | 33.0 | 52.8 | 70.6 | 58.6 | 41.4 |
| 1889 ³ | 355, 405 | 4, 251, 535 | \$1, 891, 219, 696 | \$5, 162, 013, 878 | \$9, 372, 378, 843 | \$4, 210, 364, 965 |
| Percent of increase, 1879 to 1889..... | 40.0 | 55.6 | 93.5 | 52.0 | 74.5 | 113.4 |
| 1899 ² | 512, 191 | 5, 306, 143 | \$2, 320, 938, 168 | \$7, 343, 697, 875 | \$13, 000, 149, 159 | \$5, 656, 521, 284 |
| Percent of increase, 1889 to 1899..... | 44.1 | 24.8 | 22.7 | 42.3 | 38.7 | 34.3 |
| FACTORIES, EXCLUDING HAND AND NEIGHBORHOOD INDUSTRIES | | | | | | |
| 1899 ³ | 207, 514 | 4, 712, 763 | \$2, 008, 361, 119 | \$6, 575, 851, 491 | \$11, 406, 928, 701 | \$4, 831, 075, 210 |
| 1904 ² | 216, 180 | 5, 468, 383 | \$2, 610, 444, 953 | \$8, 500, 207, 810 | \$14, 793, 902, 563 | \$6, 283, 694, 763 |
| Percent of increase, 1899 to 1904..... | 4.2 | 16.0 | 30.0 | 29.3 | 28.7 | 30.3 |
| 1909 ² | 268, 491 | 6, 615, 046 | \$3, 427, 037, 884 | \$12, 142, 790, 878 | \$20, 672, 051, 870 | \$8, 529, 260, 992 |
| Percent of increase, 1904 to 1909..... | 24.2 | 21.0 | 42.9 | 39.7 | 39.7 | 26.5 |
| Percent of increase, 1899 to 1909..... | 29.4 | 40.4 | 70.6 | 84.7 | 81.2 | 70.5 |
| 1914 ³ | 272, 518 | 7, 023, 685 | \$4, 067, 718, 740 | \$14, 358, 955, 014 | \$24, 216, 514, 573 | \$9, 857, 579, 559 |
| Percent of increase, 1909 to 1914..... | 1.5 | 6.2 | 18.7 | 17.1 | 17.1 | 15.6 |
| Percent of increase, 1904 to 1914..... | 26.1 | 28.4 | 55.8 | 68.9 | 63.7 | 66.6 |
| 1914 ³ | 176, 468 | 6, 857, 677 | \$4, 063, 211, 048 | \$14, 161, 886, 987 | \$23, 837, 257, 989 | \$9, 675, 361, 052 |

GENERAL SUMMARY

| | | | | | | |
|---|---------|-----------|------------------|------------------|------------------|------------------|
| 1919 ^{5 6} | 213,631 | 8,089,536 | \$10,452,585,627 | \$36,988,875,992 | \$61,737,125,332 | \$24,748,249,340 |
| Percent of increase, 1914 to 1919 | 21.1 | 30.5 | 137.2 | 161.2 | 159.0 | 155.8 |
| 1921 ^{5 6} | 195,555 | 6,937,688 | \$8,102,952,102 | \$25,154,806,641 | \$43,427,223,807 | \$18,272,417,166 |
| Percent of decrease (-), 1919 to 1921 | -8.5 | -22.8 | -21.6 | -32.0 | -29.7 | -26.2 |
| 1923 ^{5 6} | 195,580 | 8,768,491 | \$10,999,281,784 | \$34,480,854,297 | \$60,288,470,607 | \$25,777,616,310 |
| Percent of increase, 1921 to 1923 | (7) | 26.4 | 34.3 | 37.1 | 38.8 | 41.1 |
| 1925 ⁵ | 187,390 | 8,384,261 | \$10,729,988,927 | \$35,935,647,704 | \$62,713,713,730 | \$26,778,066,026 |
| Percent of increase or decrease (-), 1923 to 1925 | -4.2 | -4.4 | -2.4 | 4.2 | 4.1 | 3.9 |
| 1927 ^{5 6} | 190,938 | 8,334,184 | \$10,835,977,945 | \$34,802,593,608 | \$62,278,116,181 | \$27,475,522,573 |
| Percent of increase or decrease (-), 1925 to 1927 | 1.9 | -0.6 | 1.0 | -3.2 | (7) | 2.6 |
| 1929 ^{5 6} | 208,862 | 8,821,757 | \$11,607,287,154 | \$38,177,900,046 | \$69,960,909,712 | \$31,783,009,666 |
| Percent of increase, 1927 to 1929 | 9.9 | 5.9 | 7.1 | (9) | 12.3 | (7) |
| 1931 ^{5 6} | 174,255 | 6,506,701 | \$7,173,231,655 | \$21,680,759,601 | \$41,038,402,307 | \$19,857,642,706 |
| Percent of decrease (-), 1929 to 1931 | -17.0 | -26.2 | -38.2 | -43.2 | -41.3 | -38.1 |
| 1933 ⁵ | 141,769 | 6,055,736 | \$5,261,576,029 | \$16,820,821,977 | \$31,358,840,338 | \$14,538,018,361 |
| Percent of decrease (-), 1931 to 1933 | -18.6 | -6.9 | -26.6 | -22.4 | -23.6 | -24.9 |

¹ See Ch. I, sec. 18.

² Value of products less cost of materials, containers, fuel, and purchased electric energy. (See Ch. I, sec. 20.)

³ For all establishments having products valued at \$500 or more. (See Ch. I, sec. 8d.)

⁴ Reduced to gold basis.

⁵ For all establishments having products valued at \$5,000 or more. (See Ch. I, sec. 8d.)

⁶ See footnote.

⁷ Less than 1/10 of 1 percent.

⁸ The "Cost of materials," etc., items for 1927 and earlier years, which include data on the cost of mill or shop supplies, are not strictly comparable with those for 1929 and 1931, which do not include such data, and therefore no percent of increase is shown for the period 1927-29.

⁹ Because of a change in the cost of materials item (See footnote 8), the figure for 1927 is not strictly comparable with those for 1929 and 1931, and therefore no percent of increase is given for the period 1927-29.

¹⁰ "Cost of materials," etc., revised to include amount of internal-revenue tax paid by tobacco manufacturers; "Value added by manufacture" revised accordingly. See inclusion of "Internal-revenue tax in cost of materials and value of products," p. 654.

TABLE 3.—SUMMARY BY GEOGRAPHIC DIVISIONS AND BY STATES: 1933

| DIVISION AND STATE | Number of establishments | Wage earners (average for the year) | Wages | | Cost of materials, containers, fuel, and purchased electric energy ¹ | Value of products ¹ | Value added by manufacture ² |
|---------------------------|--------------------------|-------------------------------------|----------------|----------------|---|--------------------------------|---|
| | | | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> |
| United States..... | 141,769 | 6,055,736 | 5,261,576,029 | 16,820,821,977 | 31,358,840,338 | 14,538,018,361 | |
| GEOGRAPHIC DIVISIONS: | | | | | | | |
| New England..... | 14,012 | 798,282 | 685,362,313 | 1,469,804,097 | 3,073,139,668 | 1,603,335,571 | |
| Middle Atlantic..... | 43,831 | 1,745,624 | 1,637,200,735 | 4,672,407,449 | 9,333,965,574 | 4,661,558,125 | |
| East North Central..... | 32,256 | 1,600,969 | 1,494,446,772 | 4,722,616,720 | 8,845,121,114 | 4,122,504,394 | |
| West North Central..... | 12,222 | 622,871 | 287,530,984 | 1,480,750,111 | 2,381,800,051 | 901,049,940 | |
| South Atlantic..... | 12,610 | 770,805 | 498,678,896 | 1,731,745,709 | 3,059,753,472 | 1,328,007,673 | |
| East South Central..... | 4,939 | 263,783 | 167,216,927 | 535,559,600 | 980,594,701 | 445,035,101 | |
| West South Central..... | 6,936 | 192,835 | 143,855,891 | 813,184,150 | 1,271,446,835 | 468,262,685 | |
| Mountain..... | 2,869 | 59,853 | 58,494,478 | 257,769,924 | 419,488,788 | 161,718,864 | |
| Pacific..... | 12,094 | 300,665 | 288,792,033 | 1,136,984,127 | 1,993,530,135 | 856,546,008 | |
| NEW ENGLAND: | | | | | | | |
| Maine..... | 995 | 59,518 | 45,867,147 | 115,205,281 | 219,118,597 | 103,913,310 | |
| New Hampshire..... | 678 | 49,255 | 38,784,073 | 86,519,145 | 162,912,910 | 76,393,765 | |
| Vermont..... | 530 | 15,083 | 12,456,113 | 26,488,553 | 56,623,538 | 30,134,985 | |
| Massachusetts..... | 8,145 | 398,592 | 364,523,624 | 800,611,332 | 1,668,733,387 | 868,122,055 | |
| Rhode Island..... | 1,254 | 92,512 | 76,123,742 | 163,734,127 | 331,046,401 | 167,312,274 | |
| Connecticut..... | 2,410 | 183,322 | 157,607,614 | 277,245,659 | 634,704,835 | 367,459,176 | |
| MIDDLE ATLANTIC: | | | | | | | |
| New York..... | 25,979 | 733,452 | 754,366,881 | 2,196,384,854 | 4,596,257,962 | 2,399,873,108 | |
| New Jersey..... | 5,759 | 295,574 | 283,242,414 | 878,932,604 | 1,686,128,634 | 807,196,030 | |
| Pennsylvania..... | 12,093 | 716,598 | 599,591,440 | 1,597,089,991 | 3,051,678,978 | 1,464,438,987 | |
| EAST NORTH CENTRAL: | | | | | | | |
| Ohio..... | 8,101 | 472,699 | 439,752,673 | 1,234,186,602 | 2,374,653,156 | 1,140,466,554 | |
| Indiana..... | 3,373 | 198,940 | 172,055,471 | 569,878,272 | 1,040,148,315 | 470,270,043 | |
| Illinois..... | 10,740 | 420,334 | 403,682,236 | 1,301,390,889 | 2,502,175,233 | 1,200,784,344 | |
| Michigan..... | 4,633 | 360,266 | 346,110,871 | 1,163,158,195 | 2,104,104,642 | 940,946,347 | |
| Wisconsin..... | 5,409 | 188,730 | 132,846,521 | 454,002,762 | 824,039,868 | 370,037,107 | |
| WEST NORTH CENTRAL: | | | | | | | |
| Minnesota..... | 3,312 | 69,633 | 64,023,712 | 328,193,445 | 529,733,055 | 201,539,610 | |
| Iowa..... | 2,217 | 52,137 | 46,227,773 | 241,067,355 | 381,668,158 | 140,600,793 | |
| Missouri..... | 3,813 | 141,176 | 120,466,048 | 498,162,112 | 881,184,340 | 383,022,228 | |
| North Dakota..... | 268 | 3,103 | 3,290,441 | 21,700,663 | 31,540,552 | 9,839,889 | |
| South Dakota..... | 348 | 4,731 | 4,507,523 | 32,505,657 | 40,265,812 | 13,760,155 | |
| Nebraska..... | 692 | 19,483 | 18,872,032 | 133,872,832 | 194,310,449 | 55,437,617 | |
| Kansas..... | 1,272 | 32,608 | 31,142,856 | 220,248,037 | 317,097,685 | 96,849,648 | |
| SOUTH ATLANTIC: | | | | | | | |
| Delaware..... | 328 | 15,825 | 13,934,691 | 34,424,486 | 70,410,936 | 35,686,450 | |
| Maryland..... | 2,476 | 100,236 | 82,563,281 | 278,374,077 | 618,707,419 | 240,333,342 | |
| District of Columbia..... | 386 | 7,969 | 11,135,041 | 20,859,804 | 61,284,125 | 40,424,321 | |
| Virginia..... | 1,884 | 100,673 | 70,443,749 | 302,639,700 | 509,196,141 | 206,556,441 | |
| West Virginia..... | 877 | 67,950 | 60,369,840 | 128,091,649 | 262,466,988 | 134,375,339 | |
| North Carolina..... | 2,084 | 200,202 | 119,523,150 | 558,713,159 | 877,852,732 | 319,139,573 | |
| South Carolina..... | 888 | 104,336 | 84,760,752 | 140,822,478 | 267,344,217 | 116,521,739 | |
| Georgia..... | 2,223 | 128,736 | 67,415,287 | 216,877,026 | 386,210,906 | 169,333,880 | |
| Florida..... | 1,474 | 44,873 | 24,450,105 | 50,943,420 | 110,280,008 | 65,336,586 | |
| EAST SOUTH CENTRAL: | | | | | | | |
| Kentucky..... | 1,274 | 56,085 | 44,292,327 | 174,568,360 | 297,808,329 | 123,240,029 | |
| Tennessee..... | 1,561 | 94,806 | 60,871,247 | 184,089,771 | 357,028,317 | 172,938,546 | |
| Alabama..... | 1,358 | 84,666 | 48,417,371 | 139,740,555 | 253,210,644 | 113,470,039 | |
| Mississippi..... | 746 | 27,823 | 13,685,982 | 37,160,974 | 72,647,411 | 35,386,437 | |
| WEST SOUTH CENTRAL: | | | | | | | |
| Arkansas..... | 819 | 25,955 | 14,039,389 | 44,263,203 | 81,105,402 | 36,842,199 | |
| Louisiana..... | 1,314 | 53,052 | 35,643,072 | 194,050,690 | 312,175,863 | 118,124,673 | |
| Oklahoma..... | 1,155 | 27,564 | 20,746,700 | 125,426,261 | 191,413,723 | 65,988,462 | |
| Texas..... | 3,648 | 91,374 | 73,426,730 | 449,444,996 | 686,752,347 | 237,307,351 | |
| MOUNTAIN: | | | | | | | |
| Montana..... | 386 | 8,244 | 8,800,112 | 54,313,896 | 75,057,907 | 20,744,011 | |
| Idaho..... | 347 | 7,682 | 7,082,110 | 27,063,216 | 45,064,577 | 17,971,361 | |
| Wyoming..... | 160 | 3,833 | 5,064,518 | 26,484,248 | 35,204,631 | 8,720,283 | |
| Colorado..... | 1,067 | 21,287 | 20,060,158 | 74,831,511 | 136,868,377 | 61,536,866 | |
| New Mexico..... | 160 | 2,966 | 2,332,598 | 4,843,240 | 9,579,875 | 4,736,635 | |
| Arizona..... | 223 | 4,181 | 4,153,025 | 10,086,523 | 28,573,806 | 12,487,283 | |
| Utah..... | 440 | 10,213 | 9,298,801 | 49,363,109 | 90,967,695 | 31,864,585 | |
| Nevada..... | 86 | 1,417 | 1,763,156 | 5,284,181 | 9,172,020 | 3,917,839 | |
| PACIFIC: | | | | | | | |
| Washington..... | 2,307 | 67,752 | 62,116,862 | 170,613,470 | 331,225,041 | 160,611,571 | |
| Oregon..... | 1,358 | 41,052 | 34,786,861 | 87,570,340 | 174,123,763 | 86,553,423 | |
| California..... | 8,429 | 191,861 | 191,888,310 | 878,800,317 | 1,488,181,331 | 609,381,014 | |

¹ See Ch. I, sec. 18.² Value of products less cost of materials, containers, fuel, and purchased electric energy. See Ch. I, sec. 20.

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, 1927 TO 1933, AND FOR INDUSTRY GROUPS AND INDUSTRIES, 1933

GENERAL SUMMARY

| | Num-ber of estab-lish-ments | Pro-pri-ators and firm mem-bers | Salaried employees | Wage earners (average for the year) | Salaries | Wages | Cost of mate-rials, contain-ers, fuel, and purchased elec-tric energy ¹ | Value of products ¹ | Value added by manufac-ture ¹ |
|---|-----------------------------|---------------------------------|--------------------|-------------------------------------|-----------------|-----------------|--|--------------------------------|--|
| All industries: | | | | | | | | | |
| 1933..... | 141,769 | 72,267 | 802,626 | 6,055,736 | \$1,356,532,770 | \$5,261,576,029 | \$16,820,821,977 | \$31,338,840,338 | \$14,538,018,361 |
| 1932..... | 174,255 | (3) | 6,506,701 | 3,141 | (3) | 7,173,231,655 | 21,680,759,601 | 41,038,402,307 | 19,357,642,708 |
| 1931..... | 209,862 | 132,725 | 1,353,908 | 8,324 | 3,381,917,562 | 11,607,287,154 | 38,197,909,046 | 69,960,969,666 | 31,783,069,666 |
| 1929..... | 190,938 | 132,203 | 1,206,037 | 8,334,184 | 3,216,244,782 | 10,835,977,945 | 34,802,593,608 | 62,278,116,712 | 37,475,552,573 |
| 1927..... | 40,285 | 25,126 | 98,144 | 666,237 | 151,270,858 | 620,557,720 | 4,210,015,149 | 6,604,036,429 | 2,364,021,280 |
| GROUP 1.—FOOD AND KINDRED PRODUCTS, TOTAL..... | | | | | | | | | |
| ANIMAL PRODUCTS, TOTAL..... | | | | | | | | | |
| Butter..... | 10,370 | 4,093 | 33,699 | 178,791 | 52,562,864 | 170,076,351 | 1,870,028,248 | 2,415,559,001 | 545,330,753 |
| Canned and preserved fish, crabs, shrimps, oysters, and clams..... | 3,166 | 810 | 4,472 | 16,498 | 5,444,989 | 15,051,646 | 316,842,997 | 385,512,135 | 68,669,138 |
| Cheese..... | 264 | 115 | 707 | 9,993 | 879,504 | 4,472,985 | 26,248,486 | 40,559,806 | 14,311,320 |
| Condensed and evaporated milk..... | 2,157 | 813 | 302 | 3,141 | 348,464 | 2,910,317 | 46,791,409 | 57,333,899 | 10,549,400 |
| Ice cream..... | 436 | 17 | 1,007 | 6,331 | 1,697,791 | 6,100,070 | 96,698,147 | 131,036,300 | 34,388,153 |
| Meat packing, wholesale..... | 2,118 | 1,081 | 5,432 | 14,567 | 8,069,929 | 16,144,078 | 1,002,334,738 | 1,683,359,304 | 458,385,304 |
| Poultry killing, dressing, and packing, wholesale..... | 1,078 | 596 | 19,324 | 113,186 | 32,697,776 | 112,266,794 | 1,002,859,178 | 1,490,059,438 | 287,549,810 |
| Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments..... | 437 | 139 | 1,194 | 7,471 | 1,513,840 | 4,862,362 | 31,852,752 | 66,196,977 | 14,304,225 |
| 714..... | 522 | 1,241 | 1,241 | 7,797 | 1,950,570 | 8,258,589 | 62,740,546 | 86,438,092 | 23,697,546 |
| VEGETABLE PRODUCTS EXCEPT BEVERAGES, TOTAL..... | | | | | | | | | |
| Bread and other bakery products..... | 22,890 | 18,335 | 48,517 | 423,716 | 75,550,161 | 376,507,790 | 2,161,748,740 | 3,510,035,494 | 1,348,291,754 |
| Canned and dried fruits and vegetables; preserves, jellies, fruit butters, pickles, and sauces..... | 14,830 | 13,866 | 16,471 | 182,382 | 25,010,911 | 106,672,192 | 427,464,965 | 919,777,532 | 492,312,567 |
| Cereal preparations..... | 2,072 | 952 | 6,346 | 84,274 | 9,594,514 | 45,238,839 | 268,419,882 | 439,938,206 | 171,583,324 |
| Chocolate and cocoa products, not including confectionery..... | 103 | 29 | 1,020 | 7,115 | 1,794,697 | 7,269,523 | 55,014,971 | 111,025,886 | 56,010,715 |
| Confectionery..... | 31 | 29 | 822 | 2,445 | 1,527,275 | 2,298,693 | 12,599,010 | 41,654,480 | 29,055,470 |
| Corn syrup, corn sugar, corn oil, and starch..... | 54 | 1 | 721 | 6,400 | 1,437,258 | 6,114,572 | 41,572,193 | 67,734,144 | 26,181,951 |
| Fats, prepared, for animals and fowls..... | 1,218 | 615 | 5,382 | 50,690 | 7,623,353 | 32,091,077 | 114,164,308 | 211,833,211 | 97,668,903 |
| Flour and other grain-mill products..... | 28 | 7 | 1,755 | 7,591 | 2,411,143 | 8,574,654 | 47,419,618 | 93,300,979 | 48,941,361 |
| Flavoring extracts and flavoring syrups..... | 710 | 418 | 2,549 | 8,791 | 3,630,041 | 7,865,616 | 122,070,363 | 181,343,173 | 39,272,810 |
| Food preparations not elsewhere classified..... | 383 | 164 | 1,283 | 2,287 | 2,052,678 | 2,183,847 | 20,333,119 | 54,185,946 | 35,635,827 |
| Macaroni, spaghetti, vermicelli, and noodles..... | 1,932 | 1,559 | 5,805 | 23,207 | 8,782,169 | 22,591,371 | 488,670,740 | 574,210,035 | 135,839,295 |
| Oleomargarine (margarine) not made in meat-packing establishments..... | 802 | 839 | 1,922 | 10,664 | 3,022,234 | 8,992,493 | 30,609,281 | 152,753,626 | 52,144,345 |
| 290..... | 281 | 152 | 152 | 5,492 | 1,010,785 | 4,294,618 | 20,385,288 | 35,891,909 | 15,408,621 |
| 16..... | 30 | 2 | 152 | 848 | 474,460 | 1,283,431 | 20,662,180 | 27,922,736 | 7,260,636 |
| 841..... | 285 | 841 | 285 | 841 | 474,460 | 855,479 | 8,311,993 | 12,765,620 | 4,453,627 |

For footnotes, see end of table.

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, 1927 TO 1933, AND FOR INDUSTRY GROUPS AND INDUSTRIES, 1933—Continued

| | Num-ber of estab-lish-ments | Pro-pri-eters and firm mem-bers | Salaried employees | Wage earners (average for the year) | Salaries | Wages | Cost of mate-rials, contain-ers, fuel, and purchased elec-tric energy ¹ | Value of products ¹ | Value added by manufac-ture ² |
|--|-----------------------------|---------------------------------|--------------------|-------------------------------------|---------------|------------------|--|--------------------------------|--|
| Rice cleaning and polishing | 50 | 18 | 352 | 1,686 | \$624, 142 | \$1, 022, 285 | \$22, 696, 668 | \$7, 986, 712 | |
| Shortening (other than hard), vegetable cooking oils, and salad oils | 49 | 2 | 786 | 3, 658 | 1, 367, 987 | 3, 216, 556 | 68, 149, 045 | 17, 680, 529 | |
| Sugar, beet | 84 | 8 | 1, 347 | 10, 706 | 2, 173, 635 | 10, 883, 753 | 76, 127, 188 | 51, 006, 084 | |
| Sugar, cane, not including products of refineries | 67 | 17 | 2, 301 | 2, 871 | 3, 349, 978 | 1, 227, 874 | 11, 593, 849 | 6, 639, 353 | |
| Sugar refining, cane | 19 | 6 | 1, 291 | 11, 495 | 2, 903, 406 | 12, 237, 321 | 281, 535, 944 | 55, 539, 231 | |
| Vinegar and cider | 121 | 1 | 1, 665 | 844 | 279, 894 | 73, 973, 579 | 3, 943, 165 | 2, 687, 343 | |
| BEVERAGES AND ICE, TOTAL | 7, 020 | 2, 698 | 15, 928 | 63, 732 | 23, 187, 833 | 73, 973, 579 | 178, 243, 161 | 509, 198, 773 | |
| Beverages, nonalcoholic | 2, 008 | 1, 645 | 3, 374 | 15, 123 | 5, 283, 271 | 14, 196, 713 | 41, 872, 760 | 69, 424, 473 | |
| Ice, manufactured | 3, 320 | 3, 849 | 9, 610 | 2, 332 | 8, 14, 429 | 22, 849, 195 | 26, 969, 456 | 112, 363, 063 | |
| Liquors, distilled, and ethyl alcohol | 521 | 61 | 5, 953 | 28, 501 | 8, 208, 577 | 33, 474, 869 | 23, 163, 563 | 36, 394, 571 | |
| Liquors, vinous | 212 | 138 | 370 | 1, 262 | 296, 201 | 871, 809 | 9, 301, 500 | 200, 782, 588 | |
| GROUP 2.—TEXTILES AND THEIR PRODUCTS, TOTAL | 19, 265 | 10, 812 | 82, 070 | 1, 474, 325 | 136, 885, 137 | 1, 017, 300, 860 | 2, 533, 168, 044 | 4, 811, 237, 757 | |
| TEXTILE-MILL PRODUCTS, TOTAL | 5, 647 | 1, 564 | 42, 113 | 954, 757 | 76, 649, 383 | 651, 108, 636 | 1, 388, 144, 114 | 2, 673, 214, 911 | |
| Carpets and rugs, wool, other than rug | 54 | 1 | 1, 300 | 21, 206 | 2, 677, 126 | 18, 185, 793 | 30, 031, 040 | 71, 424, 584 | |
| Cloth spinning and reamfinishing | 44 | 13 | 80 | 147, 683 | 1, 147, 983 | 1, 377, 633 | 85, 379 | 41, 892, 649 | |
| Cordage and twine | 110 | 18 | 93 | 11, 145 | 1, 775, 754 | 17, 382, 026 | 18, 239, 023 | 2, 769, 881 | |
| Cotton goods | 1, 057 | 74 | 8, 866 | 379, 445 | 15, 835, 714 | 216, 382, 026 | 476, 769, 023 | 891, 179, 352 | |
| Cotton small wares | 172 | 1 | 1, 081 | 13, 237 | 1, 743, 536 | 10, 059, 195 | 17, 538, 417 | 388, 889, 836 | |
| Dyeing and finishing textiles | 626 | 153 | 6, 309 | 66, 309 | 13, 547, 614 | 58, 432, 584 | 142, 801, 922 | 278, 942, 897 | |
| Felt goods, wool, hair, or lute | 51 | 8 | 529 | 5, 048 | 1, 318, 857 | 4, 981, 417 | 12, 285, 075 | 136, 149, 112 | |
| Haircloth | 9 | 5 | 34 | 603 | 47, 453 | 40, 610 | 1, 326, 086 | 2, 382, 350 | |
| Hats, fur-felt | 117 | 42 | 833 | 12, 540 | 1, 509, 477 | 11, 034, 648 | 19, 138, 176 | 40, 599, 787 | |
| Hats, wool-felt | 9 | 6 | 44 | 1, 681 | 104, 667 | 1, 294, 277 | 1, 838, 027 | 4, 369, 185 | |
| Jute goods | 20 | 2 | 298 | 4, 243 | 593, 770 | 2, 562, 829 | 4, 812, 781 | 12, 463, 348 | |
| Knit goods | 1, 577 | 555 | 10, 070 | 189, 698 | 16, 456, 565 | 132, 029, 916 | 287, 660, 627 | 498, 340, 514 | |
| Lace goods | 44 | 11 | 582 | 5, 911 | 1, 064, 469 | 5, 632, 294 | 5, 426, 366 | 260, 688, 887 | |
| Linon goods | 12 | 3 | 100 | 1, 593 | 1, 154, 624 | 2, 216, 304 | 2, 216, 304 | 11, 503, 011 | |
| Mats and matting, grass and coir | 7 | 22 | 221 | 40, 964 | 186, 434 | 227, 753 | 4, 369, 540 | 381, 665 | |
| Silk and rayon goods | 1, 087 | 424 | 4, 647 | 110, 322 | 7, 975, 981 | 74, 110, 095 | 143, 611, 431 | 290, 577, 667 | |
| Woolen goods | 3, 344 | 99 | 2, 180 | 48, 536 | 4, 311, 112 | 38, 721, 072 | 79, 020, 883 | 71, 176, 231 | |
| Wool pulling | 16 | 2 | 47 | 678 | 90, 254 | 669, 749 | 7, 067, 308 | 3, 138, 350 | |
| Wool scouring | 20 | 6 | 151 | 1, 395 | 365, 288 | 1, 417, 532 | 1, 189, 211 | 3, 215, 045 | |
| Wool shoddy | 44 | 14 | 127 | 1, 527 | 227, 573 | 1, 233, 135 | 6, 280, 615 | 4, 186, 102 | |
| Worsted goods | 227 | 54 | 3, 266 | 78, 691 | 6, 705, 592 | 63, 166, 878 | 180, 452, 440 | 307, 682, 878 | |

GENERAL SUMMARY

| WEARING APPAREL MADE FROM PURCHASED FABRICS, TOTAL..... | 10,642 | 7,300 | 32,894 | 462,857 | 48,081,244 | 322,813,436 | 940,902,322 | 1,797,548,293 | 856,645,971 |
|--|--------|-------|--------|---------|------------|-------------|-------------|---------------|-------------|
| Clothing (except work clothing), men's, youths', and boys', not elsewhere classified..... | 2,219 | 1,857 | 8,978 | 119,253 | 13,546,768 | 92,285,691 | 214,640,033 | 445,220,429 | 230,530,396 |
| Clothing, men's, buttonholes..... | 17 | 21 | 238 | 7,649 | 19,688,833 | 127,417,920 | 466,423,978 | 264,782 | 238,084 |
| Clothing, women's, not elsewhere classified..... | 5,588 | 3,822 | 12,636 | 159,532 | 3,387,564 | 26,071,489 | 82,469,021 | 846,239,766 | 389,873,698 |
| Clothing, work (including work shirts), men's..... | 11 | 6 | 102 | 1,213 | 2,749,657 | 9,388,235 | 29,064,650 | 136,355,943 | 52,866,622 |
| Collars, men's..... | 179 | 79 | 1,765 | 14,017 | 1,744,726 | 9,520,921 | 31,423,016 | 65,092,444 | 1,034,504 |
| Corsets and allied garments..... | 363 | 236 | 1,227 | 16,676 | 388,672 | 3,547,475 | 8,742,536 | 24,236,129 | 7,269,508 |
| Furnishing goods, men's, not elsewhere classified..... | 91 | 40 | 289 | 8,386 | 391,848 | 2,422,126 | 8,069,908 | 16,012,044 | 7,863,658 |
| Gloves and mittens, cloth or leather combined, made from purchased fabrics..... | 74 | 35 | 238 | 4,701 | 505,104 | 2,968,064 | 8,181,088 | 14,953,368 | 6,477,800 |
| Handkerchiefs..... | 299 | 277 | 382 | 4,053 | 2,812,037 | 20,312,822 | 84,659,134 | 12,965,908 | 6,477,800 |
| Hats and caps, except felt and straw, men's..... | 834 | 351 | 1,863 | 22,874 | 3,173,896 | 26,112,677 | 93,657,400 | 77,946,908 | 42,701,859 |
| Millinery..... | 585 | 297 | 2,397 | 53,816 | 567,893 | 1,827,062 | 7,985,942 | 119,716,978 | 60,059,578 |
| Shirts (except work shirts) and nightwear, men's..... | 62 | 43 | 386 | 2,617 | 567,893 | 1,827,062 | 7,985,942 | 12,780,830 | 4,784,888 |
| Suspenders, garters, and other elastic woven goods, made from purchased fabrics..... | 2,976 | 1,948 | 7,063 | 56,712 | 11,154,510 | 43,378,788 | 204,121,608 | 340,474,553 | 136,352,945 |
| TOTAL..... | 22 | 333 | 1,952 | 595,333 | 595,333 | 1,955,361 | 8,147,532 | 13,583,691 | 5,436,109 |
| Artificial leather..... | 13 | 178 | 2,271 | 350,906 | 350,906 | 2,546,355 | 10,852,595 | 22,714,342 | 13,150,494 |
| Asphalted-felt-base floor covering..... | 751 | 554 | 907 | 4,509 | 1,136,231 | 3,972,932 | 10,852,595 | 21,411,819 | 10,829,294 |
| Awning, tents, sails, and canvas covers..... | 169 | 77 | 1,214 | 10,543 | 2,549,127 | 6,977,305 | 69,636,608 | 92,114,707 | 22,578,162 |
| Bags, other than paper, not made in textile mills..... | 5 | 32 | 171 | 50,723 | 50,723 | 142,925 | 537,042 | 1,016,852 | 479,810 |
| Belted other than leather and rubber, not made in textile mills..... | 26 | 16 | 180 | 677 | 214,126 | 463,767 | 669,025 | 1,241,625 | 1,241,625 |
| Carpets and rugs, rag..... | 547 | 495 | 308 | 4,652 | 387,197 | 3,874,453 | 12,194,163 | 8,928,415 | 8,928,415 |
| Embroideries..... | 42 | 20 | 85 | 573 | 106,235 | 392,002 | 953,701 | 2,111,832 | 1,188,131 |
| Flags and banners..... | 76 | 45 | 140 | 1,898 | 247,503 | 1,464,890 | 6,198,794 | 9,716,201 | 3,517,407 |
| Hat and cap materials, men's..... | 9 | 1 | 23 | 539 | 51,044 | 355,110 | 823,988 | 1,568,099 | 744,511 |
| Horse blankets, fly nets, and related products..... | 708 | 377 | 1,681 | 14,677 | 2,340,867 | 9,787,042 | 55,690,180 | 84,722,519 | 29,032,339 |
| House-furnishing goods not elsewhere classified and miscellaneous articles made of textiles..... | 5 | 5 | 224 | 2,821 | 622,059 | 2,800,477 | 6,765,787 | 19,097,732 | 12,943,746 |
| Linenum..... | 13 | 3 | 423 | 314,944 | 1,071,547 | 1,895,317 | 6,868,795 | 12,662,008 | 5,788,873 |
| Nets (fish) and seines..... | 8 | 1 | 192 | 1,251 | 543,694 | 1,461,007 | 6,868,795 | 12,662,008 | 5,788,873 |
| Oilcloth..... | 56 | 284 | 1,921 | 294,368 | 684,164 | 1,057,791 | 2,836,000 | 4,778,269 | 1,778,269 |
| Regalia, robes, vestments, and badges..... | 365 | 261 | 856 | 5,113 | 1,215,868 | 4,074,783 | 11,022,353 | 23,120,135 | 11,197,782 |
| Trimmings (not made in textile mills) and stamped art goods for embroidering..... | 37 | 16 | 685 | 115,742 | 1,654,401 | 1,654,401 | 1,654,401 | 3,100,083 | 1,445,572 |
| Upholstering materials not elsewhere classified..... | 124 | 55 | 319 | 3,086 | 502,265 | 1,686,487 | 8,887,133 | 14,767,700 | 6,880,567 |
| Waste, processed..... | 12,295 | 7,169 | 36,417 | 454,171 | 52,884,918 | 289,096,768 | 509,181,862 | 1,127,404,683 | 618,222,831 |
| GROUP 3.—FOREST PRODUCTS, TOTAL..... | 4,670 | 4,112 | 10,673 | 216,461 | 15,181,070 | 119,116,606 | 130,595,454 | 368,984,539 | 238,389,085 |
| BASIC INDUSTRIES, TOTAL..... | 67 | 69 | 809 | 108,161 | 108,161 | 431,638 | 862,801 | 2,094,186 | 1,231,385 |
| Excelsior..... | 3,783 | 3,179 | 9,488 | 189,367 | 14,280,762 | 113,183,481 | 123,450,395 | 350,463,587 | 227,013,192 |
| Lumber and timber products not elsewhere classified..... | 843 | 911 | 1,116 | 26,285 | 792,147 | 5,501,487 | 6,282,258 | 16,426,766 | 10,144,508 |
| Turpentine and rosin..... | | | | | | | | | |

For footnotes see end of table.

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, 1927 TO 1933, AND FOR INDUSTRY GROUPS AND INDUSTRIES, 1933—Continued

| | Num- ber of estab- lish- ments | Pro- pri- tors and firm mem- bers | Salari- ed employees | Wage earners (average for the year) | Salaries | Wages | Cost of mate- rials contain- ing fuel and purchased elec- tric energy ¹ | Value of products ¹ | Value added by manufac- ture ² |
|---|--|---|----------------------------|---|----------------|----------------|--|-----------------------------------|---|
| WOOD-REWORKING INDUSTRIES, TOTAL..... | | | | | | | | | |
| Leads and related products..... | 3, 106 | 1, 350 | 7, 537 | 53, 863 | \$10, 276, 923 | \$30, 174, 705 | \$89, 843, 628 | \$177, 116, 006 | \$87, 272, 378 |
| Planing-mill products (including general millwork), made in planing mills not connected with sawmills..... | 47 | 14 | 168 | 1, 404 | 318, 672 | 1, 687, 478 | 1, 307, 541 | 5, 044, 086 | 3, 736, 545 |
| Window and door screens and weather strip..... | 2, 356 | 962 | 5, 774 | 35, 388 | 7, 667, 049 | 28, 116, 897 | 67, 879, 706 | 124, 235, 186 | 56, 355, 480 |
| Wood turned and shaped and other wooden goods, not elsewhere classified..... | 123 | 63 | 310 | 1, 571 | 4, 495, 316 | 1, 223, 863 | 2, 910, 679 | 6, 313, 891 | 3, 403, 212 |
| | 580 | 291 | 1, 285 | 15, 500 | 1, 795, 386 | 10, 147, 467 | 17, 745, 702 | 41, 622, 843 | 23, 777, 141 |
| | 1, 217 | 531 | 2, 695 | 42, 007 | 4, 204, 305 | 24, 182, 541 | 59, 077, 508 | 108, 951, 906 | 49, 874, 368 |
| WOODEN CONTAINER INDUSTRIES, TOTAL..... | | | | | | | | | |
| Baskets and rattan and willow ware, not including furniture..... | 184 | 100 | 440 | 8, 371 | 615, 655 | 3, 024, 531 | 4, 899, 657 | 12, 435, 404 | 7, 535, 747 |
| Boxes, cigar, wooden..... | 77 | 43 | 148 | 3, 426 | 283, 215 | 1, 782, 095 | 2, 208, 792 | 5, 904, 232 | 3, 695, 440 |
| Boxes, wooden, except cigar boxes..... | 595 | 268 | 1, 539 | 21, 753 | 2, 365, 354 | 12, 515, 261 | 29, 056, 192 | 54, 394, 596 | 25, 938, 404 |
| Cooperage..... | 301 | 120 | 568 | 8, 457 | 835, 581 | 6, 260, 654 | 22, 912, 867 | 35, 617, 674 | 12, 704, 807 |
| | 2, 566 | 1, 017 | 11, 773 | 108, 298 | 16, 537, 254 | 78, 420, 945 | 145, 924, 381 | 305, 959, 583 | 160, 085, 202 |
| FURNITURE AND RELATED INDUSTRIES, TOTAL..... | | | | | | | | | |
| Billiard and pool tables, bowling alleys, and accessories..... | 17 | 8 | 56 | 407 | 72, 816 | 227, 844 | 514, 387 | 1, 123, 037 | 608, 650 |
| Furniture, including store and office fixtures..... | 2, 411 | 957 | 11, 372 | 105, 483 | 16, 042, 668 | 76, 346, 466 | 142, 587, 238 | 297, 729, 981 | 155, 142, 743 |
| Mirror and picture frames..... | 138 | 52 | 345 | 2, 403 | 421, 770 | 1, 846, 635 | 2, 822, 756 | 7, 106, 565 | 4, 283, 809 |
| | 730 | 169 | 3, 769 | 33, 545 | 6, 084, 866 | 23, 201, 971 | 83, 740, 891 | 166, 392, 659 | 82, 651, 768 |
| OTHER ALLIED INDUSTRIES, TOTAL..... | | | | | | | | | |
| Caskets, coffins, burial cases, and other morticians' goods..... | 396 | 133 | 1, 702 | 12, 155 | 3, 110, 862 | 11, 836, 833 | 25, 674, 300 | 58, 740, 125 | 33, 065, 765 |
| Cork products..... | 30 | 8 | 262 | 2, 797 | 469, 529 | 2, 167, 824 | 5, 277, 165 | 11, 603, 880 | 6, 326, 440 |
| Matchboxes..... | 13 | 261 | 4, 726 | 4, 726 | 472, 990 | 4, 036, 933 | 11, 679, 126 | 26, 372, 522 | 14, 693, 396 |
| Pulp goods and molded composition products..... | 101 | 16 | 841 | 6, 840 | 1, 389, 655 | 5, 926, 897 | 10, 023, 281 | 25, 731, 321 | 15, 708, 040 |
| Wood preserving..... | 135 | 2 | 673 | 7, 027 | 1, 241, 640 | 4, 233, 424 | 31, 086, 959 | 43, 944, 811 | 12, 857, 852 |
| | 2, 667 | 423 | 24, 239 | 196, 380 | 46, 194, 089 | 172, 841, 982 | 654, 646, 541 | 1, 172, 742, 984 | 518, 096, 443 |
| GROUP 4.—PAPER AND ALLIED PRODUCTS, TOTAL..... | | | | | | | | | |
| PAPER AND PULP, TOTAL..... | 781 | 38 | 10, 664 | 107, 298 | 22, 641, 879 | 99, 194, 024 | 393, 663, 024 | 695, 654, 391 | 301, 991, 367 |
| Paper..... | 600 | 37 | 9, 081 | 87, 924 | 19, 349, 000 | 81, 080, 632 | 311, 763, 966 | 560, 982, 625 | 249, 195, 659 |
| Pulp (wood and other fiber)..... | 181 | 1 | 1, 573 | 20, 074 | 3, 292, 879 | 18, 103, 342 | 81, 896, 058 | 134, 691, 766 | 52, 795, 708 |

GENERAL SUMMARY

| CONVERTED PAPER PRODUCTS, TOTAL..... | 1,916 | 385 | 13,585 | 89,082 | 22,552,810 | 73,647,958 | 260,983,517 | 477,088,593 | 216,105,076 |
|---|--------|--------|---------|---------|-------------|-------------|-------------|---------------|---------------|
| Bags, paper, exclusive of those made in paper mills..... | 96 | 8 | 802 | 7,665 | 1,345,024 | 5,812,998 | 20,295,537 | 49,379,367 | 20,083,830 |
| Boxes, paper, not elsewhere classified..... | 1,104 | 250 | 5,891 | 47,220 | 9,988,163 | 37,613,844 | 121,325,719 | 223,004,260 | 96,678,541 |
| Cardboard, not made in paper mills..... | 12 | 118 | 113 | 462 | 184,730 | 1,451,880 | 1,405,576 | 2,793,437 | 1,387,861 |
| Card cutting and designing..... | 64 | 21 | 320 | 1,804 | 609,594 | 4,029,475 | 10,137,700 | 6,108,295 | 6,108,295 |
| Envelopes..... | 1,414 | 1,414 | 7,981 | 7,981 | 2,391,612 | 6,764,947 | 15,917,974 | 33,895,511 | 17,977,537 |
| Paper goods not elsewhere classified..... | 438 | 86 | 4,573 | 20,681 | 8,287,689 | 18,363,661 | 77,188,157 | 142,078,804 | 64,920,647 |
| Wall paper..... | 39 | 2 | 467 | 3,239 | 826,003 | 3,115,690 | 6,851,079 | 15,790,514 | 8,948,485 |
| GROUP 5.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES, TOTAL..... | 19,395 | 10,775 | 137,275 | 264,106 | 226,805,325 | 365,625,374 | 377,844,587 | 1,733,437,479 | 1,355,592,892 |
| PRINTING AND PUBLISHING, TOTAL..... | 16,887 | 9,621 | 127,240 | 213,786 | 209,804,061 | 292,471,783 | 325,939,287 | 1,524,989,686 | 1,109,050,389 |
| Printing and publishing, book, music, and job..... | 9,224 | 5,392 | 25,961 | 104,699 | 40,942,009 | 128,982,283 | 141,393,213 | 519,690,325 | 378,751,112 |
| Printing and publishing, newspaper and periodical..... | 7,663 | 4,239 | 101,279 | 109,087 | 168,862,032 | 103,487,500 | 184,700,084 | 1,004,999,361 | 820,296,277 |
| ALLIED INDUSTRIES, TOTAL..... | 2,588 | 1,144 | 10,035 | 50,320 | 17,001,267 | 68,158,591 | 51,905,290 | 208,447,793 | 156,542,503 |
| Bookbinding and blank-book making..... | 863 | 560 | 2,698 | 16,865 | 3,946,886 | 16,000,886 | 15,685,833 | 56,010,795 | 40,234,962 |
| Engraving (other than steel, copperplate, or wood), chasing, etching, and diecasting..... | 16 | 1 | 36 | 224 | 68,432 | 242,885 | 867,865 | 1,684,010 | 816,746 |
| Engraving, steel, copperplate, and wood, and plate printing..... | 77 | 57 | 163 | 1,089 | 226,882 | 1,093,507 | 920,685 | 3,425,494 | 2,504,809 |
| Lithography..... | 343 | 186 | 960 | 5,033 | 1,539,641 | 5,264,803 | 3,637,209 | 16,222,544 | 12,585,335 |
| Photo-engraving, not done in printing establishments..... | 346 | 154 | 2,799 | 14,579 | 5,227,049 | 18,122,836 | 21,448,938 | 68,188,447 | 46,739,449 |
| Printers' supplies..... | 600 | 203 | 2,314 | 7,907 | 3,875,357 | 14,788,323 | 5,601,528 | 37,582,692 | 31,981,064 |
| Stereotyping and electrotyping, not done in printing establishments..... | 86 | 29 | 278 | 889 | 583,959 | 1,062,177 | 1,134,120 | 5,327,490 | 4,193,379 |
| GROUP 6.—CHEMICALS AND ALLIED PRODUCTS, TOTAL..... | 207 | 52 | 787 | 3,784 | 1,583,061 | 6,488,224 | 2,609,052 | 20,005,812 | 17,396,780 |
| CHEMICALS AND ALLIED PRODUCTS OTHER THAN ANIMAL, VEGETABLE, AND COMPOUNDED OILS, TOTAL..... | 6,527 | 1,347 | 48,229 | 237,480 | 90,768,648 | 220,771,146 | 968,473,553 | 2,117,513,188 | 1,149,040,635 |
| AMMUNITION AND RELATED PRODUCTS..... | 24 | 1,319 | 45,488 | 220,507 | 86,111,552 | 212,519,234 | 838,521,787 | 1,047,490,717 | 1,108,968,930 |
| Baking powder, yeast, and other leavening compounds..... | 40 | 4 | 584 | 2,690 | 1,300,508 | 4,848,392 | 10,472,684 | 27,800,774 | 17,388,090 |
| Blackening, stains, and dressings..... | 154 | 64 | 478 | 1,625 | 773,421 | 1,504,329 | 6,909,441 | 31,975,282 | 18,863,415 |
| Bluing..... | 16 | 6 | 34 | 77 | 71,678 | 86,018 | 322,681 | 1,052,858 | 12,146,309 |
| Bone black, carbon black, and lampblack..... | 48 | 121 | 1,449 | 1,449 | 271,197 | 1,205,529 | 4,010,163 | 8,506,709 | 4,496,546 |
| Candles..... | 19 | 138 | 678 | 184,570 | 561,248 | 1,844,417 | 4,128,082 | 2,283,665 | 2,283,665 |
| Chemicals not elsewhere classified..... | 641 | 48 | 10,246 | 63,100 | 22,612,123 | 59,228,692 | 221,453,486 | 476,502,663 | 265,049,177 |
| Cleaning and polishing preparations..... | 327 | 100 | 1,202 | 2,755 | 1,900,145 | 2,721,985 | 14,752,539 | 26,295,779 | 26,295,779 |
| Compressed and liquefied gases..... | 326 | 2 | 1,430 | 2,763 | 2,416,661 | 3,164,300 | 8,585,707 | 32,077,048 | 23,421,401 |
| Druggists' preparations..... | 411 | 106 | 4,264 | 12,920 | 7,814,888 | 13,154,362 | 43,571,268 | 146,777,945 | 103,204,657 |
| Drug grinding..... | 22 | 5 | 107 | 630 | 282,308 | 613,593 | 3,448,408 | 6,399,236 | 2,950,828 |
| Explosives..... | 66 | 2 | 4,523 | 4,168 | 1,244,567 | 4,136,128 | 12,704,528 | 35,105,999 | 22,401,471 |
| Fertilizers..... | 522 | 86 | 2,316 | 13,063 | 3,884,432 | 7,274,317 | 69,063,111 | 94,939,311 | 25,886,200 |

For footnotes, see end of table.

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, 1927 TO 1933, AND FOR INDUSTRY GROUPS AND INDUSTRIES, 1933—Continued

| | Num-ber of estab-lish-ments | Pro-pri-eters and firm mem-bers | Salaried employ-ees | Wage earners (average for the year) | Salaries | Wages | Cost of mate-rials, contain-ers, fuel, and purchased elec-tric energy 1 | Value of products 1 | Value added by manufac-ture 1 |
|--|-----------------------------|---------------------------------|---------------------|-------------------------------------|---------------|---------------|---|---------------------|-------------------------------|
| Fireworks..... | 30 | 6 | 105 | 919 | \$160, 273 | \$702, 472 | \$969, 956 | \$2, 519, 952 | \$1, 549, 906 |
| Glue and gelatin..... | 63 | 8 | 431 | 2, 013 | 314, 640 | 2, 022, 873 | 8, 328, 468 | 17, 162, 712 | 8, 834, 244 |
| Grease and tallow, not including lubricating greases..... | 201 | 114 | 694 | 3, 983 | 1, 553, 390 | 4, 068, 693 | 14, 141, 142 | 26, 238, 320 | 12, 097, 178 |
| Ink, printing..... | 160 | 32 | 925 | 3, 983 | 1, 490, 322 | 2, 663, 369 | 12, 603, 500 | 26, 166, 304 | 13, 562, 804 |
| Ink, writing..... | 22 | 9 | 179 | 855 | 234, 556 | 321, 281 | 1, 226, 495 | 2, 522, 118 | 1, 295, 623 |
| Mucilage, paste, and other adhesives, except glue and rubber cement..... | 55 | 28 | 114 | 213 | 167, 765 | 236, 939 | 1, 294, 528 | 2, 478, 485 | 1, 183, 957 |
| Paints and varnishes..... | 97 | 174 | 7, 296 | 22, 890 | 153, 026, 437 | 230, 441, 956 | 153, 026, 437 | 289, 441, 956 | 136, 415, 519 |
| Patent or proprietary medicines and compounds..... | 965 | 283 | 4, 530 | 8, 740 | 7, 502, 913 | 7, 500, 017 | 38, 232, 778 | 138, 145, 064 | 99, 912, 283 |
| Perfumes, cosmetics, and other toilet preparations..... | 490 | 164 | 2, 283 | 8, 978 | 3, 806, 280 | 7, 469, 884 | 33, 174, 743 | 63, 874, 249 | 63, 874, 249 |
| Rayon and allied products..... | 34 | 9 | 2, 395 | 44, 306 | 5, 095, 259 | 44, 031, 316 | 44, 031, 316 | 156, 931, 519 | 112, 900, 203 |
| Salt..... | 50 | --- | 413 | 5, 036 | 9, 944, 572 | 4, 814, 150 | 9, 153, 885 | 23, 011, 281 | 19, 387, 896 |
| Soap..... | 235 | 68 | 3, 524 | 14, 304 | 6, 310, 898 | 14, 140, 241 | 93, 507, 390 | 200, 127, 929 | 106, 620, 539 |
| Tanning materials, natural dyestuffs, mordants and assist-ants, and sizes..... | 124 | 20 | 498 | 2, 141 | 1, 121, 425 | 2, 212, 359 | 13, 518, 005 | 23, 322, 328 | 9, 804, 323 |
| Wood distillation and charcoal manufacture..... | 54 | 8 | 291 | 2, 731 | 482, 840 | 1, 781, 944 | 5, 072, 824 | 11, 086, 722 | 5, 962, 898 |
| ANIMAL, VEGETABLE, AND COMPOUNDED OILS, TOTAL..... | 567 | 28 | 2, 741 | 16, 973 | 4, 657, 096 | 8, 251, 912 | 129, 950, 766 | 170, 022, 471 | 40, 071, 705 |
| Oil, cake, and meal, cottonseed..... | 475 | 17 | 2, 231 | 14, 242 | 3, 625, 245 | 5, 375, 712 | 78, 229, 307 | 104, 211, 631 | 25, 982, 324 |
| Oil, cake, and meal, linseed..... | 72 | --- | 144 | 1, 625 | 318, 975 | 684, 254 | 33, 853, 334 | 40, 462, 842 | 6, 000, 508 |
| Oil, essential..... | 12 | --- | 66 | 1, 175 | 146, 397 | 221, 688 | 2, 243, 096 | 3, 093, 861 | 850, 765 |
| Oils not elsewhere classified..... | 58 | 9 | 300 | 631 | 566, 479 | 970, 258 | 15, 625, 029 | 22, 254, 137 | 6, 629, 108 |
| GROUP 7.—PRODUCTS OF PETROLEUM AND COAL, TOTAL..... | 1, 211 | 63 | 31, 175 | 110, 453 | 57, 069, 542 | 144, 648, 744 | 1, 285, 500, 676 | 1, 871, 493, 835 | 585, 933, 159 |
| Coke-oven products..... | 97 | 5 | 1, 422 | 13, 066 | 3, 150, 078 | 15, 528, 645 | 123, 275, 080 | 165, 731, 226 | 42, 456, 146 |
| Fuel briquettes..... | 24 | --- | 26 | 206 | 106, 137 | 261, 590 | 1, 885, 567 | 2, 943, 799 | 1, 058, 232 |
| Gas, manufactured, illuminating and heating..... | 543 | --- | 19, 256 | 26, 250 | 31, 148, 985 | 36, 980, 100 | 79, 188, 680 | 295, 480, 357 | 216, 291, 677 |
| Lubricating oils and greases, not made in petroleum refin-eries..... | 158 | 30 | 620 | 1, 794 | 1, 097, 243 | 2, 083, 928 | 16, 773, 979 | 98, 701, 505 | 11, 927, 626 |
| Petroleum refining..... | 389 | 28 | 9, 815 | 69, 047 | 21, 567, 059 | 89, 798, 481 | 1, 064, 437, 370 | 1, 378, 636, 948 | 314, 190, 878 |
| GROUP 8.—RUBBER PRODUCTS, TOTAL..... | 408 | 79 | 14, 874 | 106, 283 | 26, 823, 038 | 99, 116, 652 | 211, 396, 716 | 472, 743, 587 | 261, 346, 871 |
| Boots and shoes, rubber..... | 13 | --- | 2, 029 | 18, 102 | 3, 168, 495 | 14, 440, 403 | 14, 124, 109 | 42, 018, 877 | 27, 894, 768 |
| Rubber goods other than tires, inner tubes, and boots and shoes..... | 351 | 78 | 4, 594 | 35, 205 | 7, 243, 602 | 29, 938, 836 | 57, 880, 537 | 131, 411, 447 | 73, 530, 910 |
| Rubber tires and inner tubes..... | 44 | 1 | 8, 251 | 52, 976 | 16, 911, 001 | 54, 737, 313 | 139, 392, 070 | 269, 313, 263 | 159, 921, 193 |

GENERAL SUMMARY

| GROUP 9.—LEATHER AND ITS MANUFACTURES, TOTAL— Leather: Tanned, curried, and finished. | 3, 265 | 1, 417 | 19, 951 | 282, 000 | 31, 583, 525 | 222, 487, 448 | 544, 737, 292 | 996, 772, 988 | 452, 085, 696 |
|--|--------|--------|---------|----------|--------------|---------------|---------------|---------------|---------------|
| FINISHED PRODUCTS OF LEATHER, TOTAL..... | 374 | 91 | 2, 817 | 44, 191 | 5, 833, 438 | 43, 075, 957 | 138, 176, 928 | 237, 202, 248 | 99, 026, 320 |
| Belting and packing leather..... | 152 | 54 | 477 | 1, 684 | 768, 680 | 1, 782, 911 | 7, 017, 728 | 14, 879, 803 | 7, 862, 075 |
| Boot and shoe cut stock not made in boot and shoe factories..... | 159 | 100 | 605 | 6, 544 | 1, 038, 116 | 3, 807, 634 | 43, 677, 593 | 56, 279, 666 | 12, 662, 163 |
| Boot and shoe findings not made in boot and shoe factories..... | 328 | 378 | 927 | 10, 254 | 1, 639, 073 | 8, 109, 858 | 18, 246, 693 | 37, 013, 600 | 18, 766, 907 |
| Gloves and shoes, other than rubber..... | 1, 132 | 327 | 11, 851 | 160, 914 | 17, 830, 315 | 142, 054, 152 | 286, 369, 143 | 563, 425, 166 | 267, 122, 023 |
| Gloves and mittens, leather..... | 134 | 146 | 630 | 3, 129 | 966, 834 | 6, 433, 710 | 11, 376, 732 | 23, 470, 054 | 12, 093, 322 |
| Leather goods not elsewhere classified..... | 294 | 186 | 732 | 4, 947 | 927, 899 | 3, 516, 478 | 9, 175, 649 | 18, 425, 258 | 9, 249, 609 |
| Pocketbooks, purses, and cases..... | 215 | 115 | 715 | 8, 107 | 1, 011, 385 | 5, 954, 282 | 15, 348, 920 | 28, 845, 912 | 12, 996, 134 |
| Saddlery harness, and trappings..... | 747 | 176 | 462 | 2, 515 | 555, 301 | 2, 053, 726 | 6, 146, 920 | 10, 864, 157 | 4, 218, 245 |
| Trunks, suitcases, and bags..... | 270 | 144 | 714 | 5, 117 | 1, 042, 484 | 3, 748, 720 | 9, 328, 084 | 17, 367, 982 | 8, 039, 898 |
| GROUP 10.—STONE, CLAY, AND GLASS PRODUCTS, TOTAL..... | 4, 528 | 1, 698 | 19, 273 | 173, 000 | 33, 675, 594 | 142, 141, 636 | 12, 154, 614 | 609, 699, 486 | 396, 544, 872 |
| INDUSTRIES USING STONE AS A MATERIAL, TOTAL..... | 2, 516 | 1, 137 | 8, 681 | 58, 226 | 15, 103, 836 | 51, 874, 698 | 91, 735, 686 | 261, 043, 959 | 169, 308, 273 |
| Abrasive wheels, stones, paper, and cloth, and related products..... | 77 | 14 | 977 | 4, 890 | 1, 672, 229 | 4, 980, 561 | 11, 348, 697 | 30, 158, 941 | 18, 810, 244 |
| Asbestos products other than steam packing and pipe and boiler covering..... | 58 | 6 | 898 | 9, 084 | 1, 626, 019 | 5, 074, 645 | 10, 788, 515 | 25, 254, 804 | 14, 466, 089 |
| Cement..... | 148 | 8 | 2, 048 | 13, 329 | 4, 409, 646 | 13, 869, 605 | 26, 981, 839 | 86, 921, 018 | 59, 989, 179 |
| Concrete products..... | 766 | 282 | 1, 052 | 4, 422 | 1, 488, 102 | 3, 592, 437 | 9, 288, 853 | 20, 537, 942 | 11, 249, 079 |
| Lime..... | 157 | 29 | 527 | 3, 972 | 798, 813 | 4, 079, 429 | 6, 543, 163 | 16, 200, 313 | 9, 657, 150 |
| Marble, granite, slate, and other stone products..... | 1, 129 | 755 | 2, 802 | 16, 941 | 3, 718, 170 | 16, 776, 609 | 17, 776, 609 | 55, 040, 674 | 37, 264, 065 |
| Sand-lime brick..... | 10 | 23 | 23 | 84 | 35, 922 | 61, 064 | 74, 039 | 205, 129 | 131, 090 |
| Wallboard, insulating board, gypsum and other plasters, and floor composition..... | 161 | 43 | 744 | 4, 404 | 1, 357, 935 | 3, 456, 992 | 8, 983, 961 | 26, 725, 338 | 17, 741, 377 |
| INDUSTRIES USING CLAY AS A MATERIAL, TOTAL..... | 1, 374 | 291 | 5, 277 | 58, 456 | 8, 584, 379 | 39, 485, 881 | 38, 424, 204 | 122, 830, 555 | 84, 406, 351 |
| China firing and decorating, not done in potteries..... | 14 | 10 | 22 | 112 | 26, 323 | 127, 449 | 377, 902 | 761, 718 | 383, 816 |
| Clay products (other than pottery) and nonclay refractories..... | 928 | 154 | 3, 018 | 31, 024 | 4, 598, 442 | 18, 966, 972 | 19, 993, 771 | 64, 603, 242 | 44, 609, 471 |
| Granite, ground and refined..... | 10 | 3 | 16 | 165 | 84, 044 | 146, 320 | 762, 878 | 1, 489, 610 | 726, 752 |
| Minerals and earths, ground or otherwise treated..... | 107 | 4 | 312 | 1, 874 | 601, 545 | 1, 664, 546 | 6, 389, 305 | 9, 684, 068 | 5, 264, 763 |
| Pottery, including porcelain wares..... | 231 | 50 | 1, 767 | 23, 632 | 3, 110, 470 | 17, 891, 383 | 12, 178, 959 | 43, 717, 679 | 31, 538, 740 |
| Stoneware and art goods (except concrete), factory production..... | 84 | 70 | 112 | 686 | 193, 555 | 789, 211 | 721, 409 | 2, 874, 218 | 1, 852, 809 |
| GLASS AND MANUFACTURES OF GLASS, TOTAL..... | 638 | 270 | 5, 415 | 56, 317 | 9, 987, 379 | 50, 781, 057 | 81, 994, 724 | 224, 824, 972 | 142, 880, 248 |
| Glass..... | 213 | 19 | 4, 800 | 49, 797 | 8, 636, 392 | 45, 221, 754 | 63, 409, 894 | 191, 947, 716 | 128, 597, 822 |
| Mirrors and other glass products made of purchased glass..... | 425 | 251 | 915 | 6, 520 | 1, 350, 987 | 5, 559, 303 | 18, 584, 830 | 32, 877, 256 | 14, 292, 426 |

For footnotes, see end of table.

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, 1927 TO 1933, AND FOR INDUSTRY GROUPS AND INDUSTRIES, 1933—Continued

| | Num-ber of estab-lish-ments | Pro-duc-tors and mem-bers | Salaried employees | Wage earners (average for the year) | Salaries | Wages | Cost of mate-rials, contain-ers, fuel, and purchased elec-tric energy 1 | Value of pro-ducts 1 | Value added by manu-fac-ture 2 |
|--|-----------------------------|---------------------------|--------------------|-------------------------------------|-----------------|-----------------|---|----------------------|--------------------------------|
| GROUP 11.—IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY, TOTAL..... | 5, 133 | 1, 190 | 63, 376 | 554, 108 | \$111, 916, 890 | \$500, 379, 049 | \$1, 400, 829, 861 | \$2, 463, 000, 843 | \$1, 062, 170, 982 |
| CRUDE IRON AND STEEL AND ROLLED PRODUCTS, TOTAL..... | 466 | 3 | 24, 474 | 288, 945 | 47, 506, 155 | 270, 366, 649 | 876, 045, 503 | 1, 357, 574, 364 | 481, 528, 861 |
| Blas-t-fur-nace products..... | 72 | 3 | 1, 087 | 12, 098 | 2, 210, 078 | 11, 663, 675 | 183, 956, 580 | 213, 685, 290 | 29, 728, 710 |
| Steel-works and rolling-mill products..... | 394 | 3 | 23, 387 | 276, 847 | 45, 296, 077 | 258, 802, 974 | 682, 088, 923 | 1, 143, 889, 074 | 451, 800, 151 |
| OTHER IRON AND STEEL PRODUCTS, TOTAL..... | 4, 667 | 1, 187 | 38, 902 | 265, 166 | 64, 410, 735 | 230, 012, 400 | 524, 784, 358 | 1, 105, 426, 479 | 580, 642, 121 |
| Iron and steel products exclusive of those made in steel works and rolling mills or in plants operated in connection with rolling mills: | 103 | 16 | 1, 365 | 8, 486 | 2, 606, 680 | 7, 155, 009 | 15, 350, 425 | 32, 873, 719 | 17, 523, 294 |
| Bolts, nuts, washers, and rivets..... | 181 | 28 | 1, 184 | 7, 953 | 2, 300, 683 | 7, 354, 390 | 16, 895, 827 | 32, 523, 029 | 15, 627, 202 |
| Forgings, iron and steel..... | 54 | 16 | 1, 100 | 7, 761 | 135, 658 | 661, 297 | 1, 163, 523 | 2, 690, 783 | 1, 827, 260 |
| Galvanizing and other coating..... | 39 | 3 | 205 | 1, 695 | 362, 476 | 1, 589, 654 | 2, 704, 013 | 6, 973, 275 | 4, 269, 262 |
| Nails, spikes, etc. (exclusive of those made in the "Wire drawn from purchased rods" industry)..... | 60 | 17 | 396 | 2, 112 | 609, 305 | 1, 971, 871 | 5, 543, 128 | 10, 412, 560 | 4, 899, 432 |
| Structural and ornamental metal work..... | 962 | 309 | 5, 170 | 21, 377 | 7, 659, 731 | 18, 624, 134 | 63, 169, 061 | 107, 612, 309 | 44, 443, 248 |
| Wrought pipe, welded and heavy riveted..... | 44 | 4 | 617 | 6, 552 | 1, 310, 708 | 5, 579, 726 | 20, 821, 353 | 84, 956, 664 | 14, 135, 321 |
| Cast-iron pipe and fittings..... | 71 | 7 | 9, 454 | 9, 454 | 1, 138, 615 | 5, 847, 187 | 8, 991, 820 | 20, 915, 752 | 11, 623, 682 |
| Doors, shutters, and window sash and frames, molding, and trim, metal..... | 125 | 21 | 972 | 3, 572 | 1, 518, 782 | 3, 123, 156 | 5, 953, 312 | 13, 376, 591 | 7, 423, 279 |
| Firearms..... | 22 | 5 | 568 | 3, 382 | 1, 867, 988 | 3, 163, 648 | 2, 169, 328 | 9, 214, 095 | 7, 044, 767 |
| Hardware not elsewhere classified..... | 381 | 98 | 4, 017 | 32, 550 | 6, 523, 049 | 26, 037, 132 | 30, 040, 181 | 85, 077, 477 | 55, 037, 296 |
| Pumbers' supplies, not including pipe or vitreous-china sanitary ware..... | 292 | 52 | 1, 938 | 15, 893 | 2, 930, 492 | 12, 921, 717 | 17, 561, 300 | 46, 885, 908 | 29, 324, 698 |
| Sales and vaults..... | 21 | 5 | 275 | 1, 993 | 2, 414, 307 | 10, 648, 411 | 7, 997, 557 | 2, 917, 905 | 1, 980, 348 |
| Screw-machine products and wood screws..... | 255 | 92 | 1, 537 | 10, 236 | 2, 552, 954 | 8, 950, 979 | 13, 485, 134 | 33, 449, 468 | 19, 964, 324 |
| Steam and hot-water heating apparatus and steam fittings..... | 227 | 20 | 3, 473 | 22, 301 | 6, 152, 096 | 19, 641, 144 | 20, 080, 855 | 69, 294, 068 | 49, 173, 203 |
| Steel barrels, kegs, and drums..... | 58 | 7 | 498 | 6, 517 | 6, 932, 656 | 6, 025, 934 | 18, 035, 099 | 30, 399, 426 | 12, 364, 327 |
| Stoves and ranges (other than electric) and warm-air fur-naces..... | 543 | 104 | 5, 008 | 30, 193 | 7, 691, 413 | 26, 968, 953 | 46, 283, 536 | 117, 736, 718 | 71, 453, 182 |
| Tin cans and other tinware not elsewhere classified..... | 194 | 18 | 2, 540 | 23, 343 | 4, 910, 641 | 22, 692, 907 | 137, 046, 144 | 207, 946, 457 | 70, 900, 813 |

GENERAL SUMMARY

| | | | | | | | |
|--|-------|--------|-----------|------------|-------------|---------------|-------------|
| Tools and cutlery: Cutlery (not including silver and plated cutlery) and edge tools..... | 200 | 1,181 | 10,807 | 2,229,788 | 8,847,633 | 38,717,841 | 30,070,872 |
| Files..... | 23 | 204 | 2,634 | 464,693 | 2,431,430 | 7,300,940 | 5,823,930 |
| Saws..... | 71 | 601 | 2,528 | 865,897 | 2,347,202 | 9,926,388 | 6,923,317 |
| Tools, not including edge tools, machine tools, files, or saws..... | 204 | 1,706 | 9,588 | 2,516,133 | 8,157,961 | 34,199,007 | 23,673,136 |
| Wire drawn from purchased rods..... | 78 | 1,933 | 3,447,711 | 3,447,711 | 14,321,233 | 75,475,581 | 35,860,046 |
| Wirework not elsewhere classified..... | 429 | 2,637 | 17,633 | 4,278,279 | 14,154,682 | 74,550,498 | 39,300,226 |
| GROUP 12—NONFERROUS METALS AND THEIR PRODUCTS, TOTAL..... | 4,919 | 27,997 | 188,271 | 46,001,355 | 166,724,547 | 1,068,753,411 | 427,626,848 |
| SMELTING AND REFINING, TOTAL..... | 214 | 2,960 | 18,236 | 5,716,865 | 17,022,889 | 359,011,960 | 56,684,331 |
| Primary, total..... | 59 | 1,997 | 14,567 | 3,869,125 | 13,549,271 | 273,285,575 | 41,400,896 |
| Smelting and refining, copper..... | 19 | 889 | 5,596 | 1,776,679 | 5,386,550 | 158,610,406 | 15,938,153 |
| Smelting and refining, lead..... | 14 | 390 | 2,105 | 743,486 | 2,324,913 | 70,453,429 | 9,919,729 |
| Smelting and refining, zinc..... | 26 | 618 | 6,866 | 1,948,960 | 5,837,808 | 44,221,740 | 15,543,014 |
| Secondary, total..... | 155 | 963 | 3,669 | 1,847,740 | 3,473,618 | 85,726,385 | 15,283,435 |
| Gold, silver, and platinum, refining and alloying..... | 61 | 346 | 745 | 694,411 | 980,020 | 44,603,744 | 5,567,456 |
| Smelting and refining nonferrous metals other than gold, silver, and platinum, not from the ore..... | 94 | 617 | 2,924 | 1,453,329 | 2,493,598 | 41,122,641 | 9,715,979 |
| ALLOYS AND MANUFACTURES OF METALS AND ALLOYS, TOTAL..... | 4,705 | 25,037 | 170,036 | 40,284,490 | 149,698,658 | 709,741,451 | 370,942,517 |
| Aluminum products..... | 109 | 1,865 | 13,634 | 2,961,513 | 11,900,016 | 61,463,949 | 27,436,807 |
| Clocks, watches, time-recording devices, and materials and parts except watchcases..... | 53 | 1,392 | 12,850 | 2,241,837 | 10,003,392 | 31,656,023 | 22,187,569 |
| Collapsible tubes..... | 17 | 131 | 1,750 | 252,621 | 1,482,341 | 6,924,109 | 3,080,649 |
| Electroplating..... | 423 | 303 | 3,956 | 579,685 | 3,715,379 | 10,032,076 | 7,679,874 |
| Fire extinguishers, chemical..... | 22 | 7 | 589 | 453,963 | 603,628 | 3,775,061 | 2,054,578 |
| Gold leaf and foil..... | 31 | 25 | 59 | 83,139 | 343,000 | 1,401,566 | 717,799 |
| Jewelry findings and materials..... | 60 | 304 | 1,811 | 508,986 | 1,604,012 | 9,249,919 | 3,746,868 |
| Jewelry..... | 779 | 2,405 | 13,069 | 3,021,171 | 11,323,027 | 42,651,611 | 26,985,516 |
| Lighting equipment..... | 357 | 1,921 | 10,538 | 3,119,117 | 9,596,299 | 46,173,480 | 26,932,524 |
| Needles, pins, hooks and eyes, and snap fasteners..... | 45 | 732 | 6,412 | 1,364,392 | 5,767,885 | 22,767,609 | 16,933,697 |
| Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified..... | 875 | 6,717 | 47,794 | 12,952,696 | 43,729,228 | 239,155,966 | 110,799,872 |
| Sheet-metal work, not specifically classified..... | 1,229 | 3,045 | 13,050 | 4,279,756 | 35,463,376 | 68,807,223 | 33,343,847 |
| Sheetware and plated ware..... | 1,126 | 1,163 | 9,177 | 1,681,947 | 8,228,642 | 34,332,544 | 21,907,342 |
| Stamped ware, enameled ware, and metal stampings; enameling, japanning, and lacquering..... | 552 | 4,185 | 32,302 | 6,173,028 | 26,633,559 | 117,372,036 | 62,639,871 |
| Tin and other foils, not including gold foil..... | 7 | 181 | 1,337 | 396,452 | 1,189,058 | 11,330,927 | 3,650,658 |
| Watchcases..... | 20 | 1,169 | 1,169 | 209,132 | 1,006,388 | 2,657,402 | 1,897,059 |

For footnotes, see end of table.

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, 1927 TO 1933, AND FOR INDUSTRY GROUPS AND INDUSTRIES, 1933—Continued

| | Num-ber of estab-lish-ments | Pro-prie-tors and firm man-agers | Salari-ated employ-ees | Wage earners (average for the year) | Salaries | Wages | Cost of mate-rials, contain-ers, fuel, and purchased elec-tric energy ¹ | Value of products ¹ | Value added by manufac-ture ² |
|--|-----------------------------|----------------------------------|------------------------|-------------------------------------|---------------|---------------|--|--------------------------------|--|
| GROUP 13.—MACHINERY, NOT INCLUDING TRANSPORTATION EQUIPMENT, TOTAL | | | | | | | | | |
| Agricultural implements..... | 9,710 | 4,331 | 115,044 | 538,563 | \$193,779,295 | \$501,770,426 | \$789,239,157 | \$2,069,418,923 | \$1,280,179,766 |
| Cash registers and adding, calculating, and card-tabulating machines..... | 170 | 51 | 2,067 | 11,140 | 3,105,583 | 9,830,220 | 11,977,819 | 30,538,633 | 18,560,814 |
| Electrical machinery, apparatus, and supplies..... | 40 | 1 | 2,044 | 10,908 | 3,579,003 | 13,025,630 | 5,869,391 | 42,023,288 | 36,153,897 |
| Elevators and elevator equipment..... | 1,209 | 321 | 33,048 | 130,857 | 58,124,994 | 115,749,609 | 212,513,709 | 553,431,450 | 340,917,741 |
| Engines, turbines, tractors, water wheels, and windmills..... | 90 | 41 | 1,013 | 3,078 | 1,507,404 | 5,619,833 | 11,379,953 | 5,710,554 | 5,910,554 |
| Foundry and machine-shop products not elsewhere classified..... | 177 | 20 | 6,133 | 23,535 | 10,361,987 | 23,584,005 | 40,464,032 | 91,030,819 | 50,566,787 |
| Machine-tool accessories and machinists' precision tools and instruments..... | 6,081 | 3,352 | 43,739 | 216,439 | 73,027,315 | 201,940,417 | 287,607,806 | 788,194,771 | 500,586,965 |
| Machine tools..... | 687 | 211 | 2,250 | 12,757 | 3,453,631 | 14,159,179 | 10,832,467 | 44,383,246 | 33,500,779 |
| Meters (gas, water, etc.) and gas generators..... | 232 | 18 | 3,886 | 12,714 | 6,130,509 | 12,596,212 | 10,844,323 | 41,433,523 | 30,589,200 |
| Pumps (hand and power) and pumping equipment..... | 63 | 4 | 828 | 3,156 | 1,465,067 | 2,948,046 | 4,011,825 | 12,848,273 | 8,836,448 |
| Radio apparatus and phonographs..... | 257 | 52 | 3,997 | 11,110 | 6,333,098 | 10,379,492 | 20,257,029 | 49,002,021 | 28,744,992 |
| Refrigerators and refrigerating and ice-making apparatus..... | 156 | 22 | 2,345 | 32,879 | 8,248,546 | 29,654,375 | 68,520,587 | 121,801,611 | 63,281,024 |
| Scales and balances..... | 204 | 50 | 4,303 | 26,398 | 7,573,048 | 24,335,228 | 69,601,374 | 140,762,115 | 71,100,741 |
| Sewing machines and attachments..... | 45 | 3 | 709 | 2,187 | 1,037,681 | 1,825,009 | 2,161,677 | 8,332,906 | 7,110,229 |
| Textile machinery and parts..... | 30 | 6 | 823 | 6,313 | 1,556,903 | 6,034,211 | 2,862,117 | 12,926,146 | 10,064,029 |
| Typewriters and parts..... | 314 | 175 | 2,705 | 18,576 | 5,118,082 | 18,737,260 | 18,377,880 | 60,323,267 | 41,945,387 |
| Washing machines, wringers, driers, and ironing machines, for household use..... | 14 | 4 | 770 | 9,591 | 903,487 | 7,565,082 | 3,256,664 | 16,464,617 | 13,208,153 |
| | 41 | 4 | 1,284 | 6,956 | 2,165,882 | 6,362,617 | 24,361,338 | 44,542,334 | 20,180,996 |
| GROUP 14.—TRANSPORTATION EQUIPMENT, AIR, LAND, AND WATER, TOTAL | | | | | | | | | |
| Aircraft and parts..... | 1,551 | 419 | 33,390 | 307,373 | 69,429,721 | 319,315,723 | 1,292,289,578 | 2,058,195,466 | 765,905,888 |
| Carriages and sleds, children's..... | 64 | 1 | 1,810 | 7,816 | 3,516,061 | 10,307,560 | 7,966,603 | 26,460,692 | 18,503,429 |
| Carriages, wagons, sleighs, and sleds..... | 46 | 9 | 309 | 3,471 | 12,577 | 2,877,486 | 5,670,700 | 10,894,991 | 5,314,291 |
| Car-trails and steam railroad, not built in railroad repair shops..... | 53 | 10 | 201 | 1,469 | 273,980 | 922,448 | 2,350,485 | 4,762,846 | 2,402,361 |
| Locomotives (other than electric), not made in railroad repair shops..... | 138 | 3 | 2,466 | 14,266 | 4,395,398 | 14,710,122 | 27,310,737 | 46,147,607 | 18,836,770 |
| Motorcycles, bicycles, and parts..... | 13 | 3 | 826 | 2,374 | 1,499,514 | 1,862,599 | 4,266,218 | 6,927,900 | 2,661,682 |
| Motor-vehicle bodies and motor-vehicle parts..... | 19 | 3 | 395 | 565,151 | 5,565,151 | 2,630,031 | 6,194,688 | 12,065,357 | 3,893,671 |
| Motor vehicles, not including motorcycles..... | 701 | 240 | 13,660 | 145,745 | 25,806,221 | 148,321,562 | 489,632,233 | 761,224,859 | 321,992,213 |
| Motor vehicles, not including motorcycles..... | 122 | 12 | 19,155 | 97,869 | 25,476,653 | 108,784,905 | 767,768,273 | 1,066,946,283 | 323,178,005 |
| Ship and boat building, steel and wooden, including repair work..... | 395 | 144 | 3,868 | 30,885 | 7,494,216 | 33,890,080 | 31,172,125 | 92,666,191 | 61,524,066 |

GENERAL SUMMARY

| | 1, 901 | 13, 056 | 241, 875 | 27, 729, 388 | 284, 449, 927 | 191, 845, 201 | 506, 031, 832 | 314, 186, 631 |
|--|--------|---------|----------|--------------|---------------|---------------|------------------|---------------|
| GROUP 15.—RAILROAD REPAIR SHOPS, TOTAL..... | 315 | 1, 044 | 21, 116 | 2, 046, 925 | 26, 682, 642 | 15, 088, 501 | 44, 230, 588 | 29, 142, 085 |
| Railroad repair shops, electric..... | 1, 588 | 12, 012 | 220, 760 | 25, 682, 463 | 257, 767, 285 | 176, 756, 700 | 461, 801, 246 | 285, 043, 546 |
| Railroad repair shops, steam..... | 8, 679 | 32, 916 | 261, 081 | 54, 214, 784 | 204, 851, 127 | 998, 313, 583 | 1, 677, 357, 437 | 679, 043, 854 |
| GROUP 16.—MISCELLANEOUS INDUSTRIES, TOTAL..... | 170 | 910 | 6, 106 | 1, 325, 185 | 5, 097, 008 | 5, 423, 610 | 15, 715, 484 | 10, 291, 824 |
| MUSICAL INSTRUMENTS, TOTAL..... | 29 | 97 | 574 | 169, 406 | 510, 269 | 387, 173 | 1, 626, 804 | 1, 239, 631 |
| Organs..... | 36 | 275 | 2, 700 | 456, 544 | 2, 898, 287 | 2, 898, 287 | 7, 242, 819 | 4, 414, 532 |
| Pianos..... | 33 | 4 | 708 | 140, 050 | 527, 402 | 584, 480 | 1, 732, 193 | 1, 147, 713 |
| Piano and organ parts and materials..... | 72 | 440 | 2, 064 | 589, 185 | 1, 677, 643 | 1, 623, 670 | 5, 113, 618 | 3, 489, 048 |
| Musical instruments and parts and materials, not else- where classified..... | 804 | 3, 465 | 37, 325 | 8, 411, 910 | 50, 932, 946 | 639, 095, 080 | 909, 082, 316 | 249, 987, 226 |
| TOBACCO MANUFACTURES, TOTAL..... | 27 | 1, 272 | 22, 544 | 4, 355, 839 | 13, 835, 250 | 503, 559, 633 | 637, 775, 557 | 134, 215, 924 |
| Cigarettes..... | 665 | 1, 637 | 54, 538 | 2, 801, 682 | 30, 060, 615 | 72, 589, 039 | 139, 372, 193 | 66, 783, 154 |
| Cigars..... | 112 | 556 | 10, 223 | 1, 254, 339 | 7, 037, 081 | 82, 946, 418 | 131, 984, 566 | 48, 988, 148 |
| Tobacco: Chewing and smoking, and snuff..... | 7, 705 | 28, 541 | 167, 632 | 44, 477, 689 | 148, 321, 173 | 333, 794, 883 | 752, 559, 687 | 413, 764, 804 |
| OTHER INDUSTRIES, TOTAL..... | 131 | 226 | 2, 338 | 261, 911 | 1, 656, 877 | 2, 480, 608 | 6, 444, 924 | 3, 964, 316 |
| Artificial and preserved flowers and plants..... | 56 | 352 | 844 | 617, 585 | 726, 607 | 2, 013, 766 | 4, 961, 255 | 2, 947, 489 |
| Artists' materials..... | 260 | 259 | 2, 757 | 288, 690 | 2, 111, 180 | 4, 601, 014 | 9, 072, 921 | 4, 471, 907 |
| Brooms..... | 221 | 835 | 5, 809 | 1, 399, 724 | 4, 821, 015 | 12, 200, 133 | 24, 575, 879 | 12, 375, 741 |
| Brushes, other than rubber..... | 200 | 566 | 9, 833 | 955, 611 | 6, 705, 511 | 8, 614, 088 | 22, 411, 607 | 13, 797, 519 |
| Burtons..... | 47 | 437 | 1, 171 | 745, 202 | 1, 242, 933 | 5, 156, 605 | 11, 225, 436 | 6, 068, 831 |
| Carbon paper and inked ribbons..... | 17 | 41 | 411 | 49, 343 | 2, 275, 855 | 470, 561 | 911, 287 | 9, 440, 726 |
| Combs and hairpins, not made from metal or rubber..... | 3 | 3 | 3 | 945, 955 | 2, 431, 644 | 6, 945, 238 | 16, 437, 222 | 9, 491, 964 |
| Dentists' supplies and equipment, except instruments..... | 79 | 29 | 320 | 44, 086 | 234, 817 | 1, 227, 027 | 853, 522 | 1, 606, 335 |
| Dentists' pliers, and manufactures thereof..... | 40 | 22 | 22 | 239, 394 | 315, 149 | 1, 325, 968 | 2, 583, 115 | 1, 062, 137 |
| Feathers, plumes, and manufactures thereof..... | 3 | 144 | 394 | 2, 136, 029 | 11, 030, 346 | 50, 300, 723 | 30, 674, 414 | 30, 465, 855 |
| Foundry supplies..... | 1, 463 | 1, 572 | 8, 200 | 6, 347, 635 | 6, 187, 675 | 9, 307, 463 | 24, 985, 883 | 15, 677, 593 |
| Fur goods..... | 181 | 43 | 5 | 76, 253 | 2, 082, 120 | 1, 835, 263 | 7, 636, 990 | 5, 731, 727 |
| Hats, straw, merino..... | 236 | 670 | 2, 168 | 998, 700 | 2, 082, 120 | 1, 835, 263 | 7, 636, 990 | 5, 731, 727 |
| Hand stamps and stencils and brands..... | 40 | 229 | 3, 147 | 308, 780 | 2, 086, 272 | 6, 217, 221 | 9, 947, 460 | 4, 730, 233 |
| Instrumental, professional and scientific, and gauges, except mechanists' gauges..... | 210 | 2, 518 | 6, 211 | 4, 004, 451 | 6, 711, 753 | 6, 299, 967 | 25, 288, 674 | 18, 936, 707 |
| Jewelry and instrument cases..... | 62 | 177 | 1, 095 | 293, 956 | 840, 573 | 1, 134, 811 | 3, 095, 573 | 1, 960, 042 |
| Lapidary work..... | 31 | 90 | 1, 107 | 30, 041 | 124, 428 | 433, 053 | 829, 573 | 1, 339, 815 |
| Mattresses and bed springs not elsewhere classified..... | 645 | 1, 663 | 13, 260 | 2, 751, 588 | 10, 461, 805 | 32, 491, 011 | 59, 724, 011 | 27, 293, 008 |
| Miscellaneous articles not elsewhere classified..... | 567 | 1, 663 | 13, 084 | 2, 295, 096 | 3, 615, 697 | 16, 173, 571 | 49, 899, 639 | 24, 726, 122 |
| Models and patterns, not including paper patterns..... | 422 | 239 | 2, 763 | 603, 527 | 3, 533, 139 | 1, 482, 386 | 8, 027, 170 | 7, 144, 654 |
| Optical goods..... | 163 | 1, 790 | 7, 598 | 2, 844, 862 | 7, 300, 438 | 8, 165, 133 | 26, 214, 159 | 16, 039, 016 |
| Paving materials: Blocks (except brick and stone) and mixtures..... | 93 | 197 | 1, 151 | 353, 872 | 1, 214, 698 | 6, 287, 323 | 10, 950, 433 | 4, 663, 110 |
| Pencils, lead (including mechanical)..... | 25 | 402 | 3, 469 | 640, 406 | 2, 689, 477 | 4, 109, 222 | 11, 569, 387 | 7, 460, 265 |

For footnotes, see end of table.

TABLE 4.—GENERAL STATISTICS FOR ALL INDUSTRIES, 1927 TO 1933, AND FOR INDUSTRY GROUPS AND INDUSTRIES, 1933—Continued

| | Num-ber of estab-lish-ments | Pro-prie-tors and firm mem-bers | Salaried employ-ees | Wage earners (average for the year) | Salaries | Wages | Cost of mate-rials, contain-ers, fuel, and purchased elec-tric energy ¹ | Value of products ² | Value added by manufac-ture ³ |
|---|-----------------------------|---------------------------------|---------------------|-------------------------------------|-------------|---------------|--|--------------------------------|--|
| Pens, fountain and stylographic; pen points, gold, steel, and brass..... | 54 | 20 | 643 | 3, 099 | \$767, 849 | \$2, 341, 439 | \$4, 124, 440 | \$1, 597, 768 | \$7, 473, 323 |
| Photographic apparatus and materials and projection apparatus..... | 84 | 52 | 1, 814 | 8, 975 | 3, 976, 374 | 10, 154, 891 | 11, 984, 799 | 53, 859, 955 | 41, 875, 156 |
| Pipes (cobaco)..... | 22 | 4 | 1, 09 | 1, 362 | 127, 626 | 1, 145, 514 | 900, 270 | 3, 273, 861 | 2, 313, 581 |
| Roaming, built-up and roll, asphalt shingles; roof coatings other than paint..... | 74 | 5 | 635 | 4, 418 | 1, 111, 792 | 4, 435, 500 | 23, 892, 848 | 44, 833, 073 | 20, 940, 225 |
| Signs and advertising novelties..... | 648 | 365 | 2, 444 | 12, 614 | 3, 391, 177 | 11, 577, 349 | 16, 311, 910 | 47, 194, 331 | 31, 832, 441 |
| Soda fountains and accessories..... | 40 | 12 | 276 | 810 | 467, 168 | 948, 123 | 2, 049, 345 | 6, 035, 064 | 3, 333, 719 |
| Sporting and athletic goods, not including firearms or ammunition..... | 176 | 61 | 1, 181 | 8, 215 | 1, 779, 991 | 6, 523, 376 | 10, 569, 823 | 25, 267, 452 | 14, 097, 629 |
| Stationery goods not elsewhere classified..... | 86 | 24 | 791 | 3, 467 | 1, 110, 379 | 2, 737, 622 | 6, 818, 251 | 14, 281, 040 | 7, 422, 789 |
| Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified..... | 129 | 28 | 962 | 4, 575 | 1, 533, 198 | 4, 098, 368 | 9, 183, 115 | 20, 274, 722 | 11, 091, 607 |
| Surgical and orthopedic appliances and related products..... | 230 | 97 | 2, 110 | 6, 898 | 3, 272, 954 | 6, 118, 814 | 28, 846, 426 | 51, 442, 094 | 22, 566, 633 |
| Theatrical scenery and stage equipment..... | 40 | 9 | 77 | 312 | 151, 364 | 396, 069 | 616, 898 | 2, 043, 786 | 1, 426, 887 |
| Toys (not including children's wheel goods or sleds), games, and playground equipment..... | 285 | 135 | 1, 300 | 12, 484 | 1, 975, 521 | 8, 877, 414 | 17, 118, 923 | 37, 221, 503 | 20, 109, 580 |
| Umbrellas, parasols, and canes..... | 80 | 63 | 181 | 2, 135 | 260, 899 | 3, 530, 932 | 4, 971, 566 | 8, 238, 067 | 5, 237, 501 |
| Window shades and fixtures..... | 312 | 213 | 584 | 2, 903 | 780, 527 | 2, 264, 192 | 9, 115, 379 | 16, 169, 887 | 7, 034, 508 |

¹ See Ch. I, sec. 18.
² Value of products less cost of materials, containers, fuel, and purchased electric energy. See Ch. I, sec. 20.
³ No data.

TABLE 5.—RELATIVE IMPORTANCE OF LEADING INDUSTRIES, FOR THE UNITED STATES: 1933

| INDUSTRY | Number of establishments | WAGE EARNERS | | Cost of materials, fuel, and purchased electric energy | | VALUE OF PRODUCTS | | VALUE ADDED BY MANUFACTURE | |
|---|--------------------------|----------------------|-------|--|-------|-------------------------------|-------|-------------------------------|-------|
| | | Average for the year | Rank | Amount (thousands of dollars) | Rank | Amount (thousands of dollars) | Rank | Amount (thousands of dollars) | Rank |
| All industries aggregate..... | 141,769 | 6,055,786 | ..... | 16,820,822 | ..... | 31,358,840 | ..... | 14,588,018 | ..... |
| Industries reporting 100,000 wage earners or more, total..... | 61,352 | 2,944,328 | ..... | 5,845,989 | ..... | 11,786,631 | ..... | 5,940,641 | ..... |
| Cotton goods..... | 1,087 | 379,445 | 1 | 476,769 | 6 | 881,170 | 7 | 384,401 | 6 |
| Steel-works and rolling-mill products..... | 394 | 276,847 | 2 | 692,089 | 4 | 1,143,800 | 3 | 451,800 | 4 |
| Railroad repair shops, steam..... | 1,586 | 220,760 | 3 | 176,757 | 24 | 461,801 | 19 | 285,045 | 13 |
| Foundry and machine-shop products not elsewhere classified..... | 6,081 | 216,439 | 4 | 287,608 | 13 | 788,195 | 9 | 500,487 | 12 |
| Boots and shoes, other than rubber..... | 1,182 | 190,914 | 5 | 286,303 | 14 | 553,425 | 15 | 267,122 | 14 |
| Knit goods..... | 1,577 | 189,698 | 6 | 237,661 | 17 | 408,350 | 17 | 260,689 | 16 |
| Lumber and timber products not elsewhere classified..... | 3,783 | 189,367 | 7 | 129,450 | 36 | 350,464 | 23 | 227,013 | 20 |
| Bread and other bakery products..... | 14,880 | 182,382 | 8 | 427,465 | 10 | 919,778 | 6 | 492,313 | 8 |
| Clothing, women's, not elsewhere classified..... | 6,350 | 169,832 | 9 | 456,424 | 11 | 846,300 | 8 | 389,876 | 9 |
| Motor-vehicle bodies and motor-vehicle parts..... | 5,701 | 145,745 | 10 | 439,653 | 8 | 791,235 | 10 | 321,592 | 10 |
| Electrical machinery, apparatus, and supplies..... | 1,209 | 130,857 | 11 | 212,514 | 20 | 583,431 | 14 | 340,918 | 8 |
| Clothing (except work clothing), men's, youths', and boys', not elsewhere classified..... | 2,219 | 119,253 | 12 | 214,640 | 19 | 445,220 | 20 | 280,580 | 19 |
| Meat packing, wholesale..... | 1,078 | 113,193 | 13 | 1,202,689 | 1 | 1,490,085 | 1 | 287,546 | 12 |
| Silk and rayon goods..... | 1,087 | 110,522 | 14 | 143,611 | 26 | 290,578 | 30 | 146,966 | 25 |
| Printing and publishing, newspaper and periodical..... | 7,683 | 109,087 | 15 | 184,700 | 21 | 1,004,999 | 5 | 820,299 | 6 |
| Furniture, including store and office fixtures..... | 2,411 | 105,488 | 16 | 142,887 | 29 | 237,730 | 28 | 155,143 | 24 |
| Printing and publishing, book, music, and job..... | 9,224 | 104,669 | 17 | 141,239 | 30 | 519,990 | 16 | 378,751 | 7 |
| Industries reporting 50,000 to 100,000 wage earners, total..... | 7,647 | 803,844 | ..... | 3,425,402 | ..... | 5,445,233 | ..... | 2,019,831 | ..... |
| Motor vehicles, not including motorcycles..... | 122 | 97,869 | 18 | 767,768 | 3 | 1,096,946 | 4 | 329,178 | 9 |
| Paper..... | 600 | 87,224 | 19 | 311,767 | 12 | 560,963 | 13 | 249,196 | 18 |
| Canned and dried fruits and vegetables; preserves, jellies, fruit butters, pickles, and sauces..... | 2,072 | 84,374 | 20 | 268,420 | 16 | 439,988 | 21 | 171,588 | 22 |
| Worsted goods..... | 227 | 78,691 | 21 | 180,482 | 23 | 307,683 | 26 | 127,200 | 31 |
| Petroleum refining..... | 389 | 69,047 | 22 | 1,064,437 | 2 | 1,378,637 | 2 | 314,400 | 11 |
| Dyeing and finishing textiles..... | 626 | 66,309 | 23 | 142,802 | 27 | 136,140 | 32 | 136,140 | 27 |
| Clothing, work (including work shirts), men's..... | 588 | 55,281 | 24 | 82,469 | 44 | 135,336 | 54 | 52,887 | 31 |
| Cigars..... | 665 | 54,558 | 25 | 72,689 | 52 | 130,372 | 51 | 66,783 | 30 |
| Shirts (except work shirts) and nightwear, men's..... | 585 | 53,190 | 26 | 56,657 | 63 | 119,217 | 62 | 60,000 | 36 |
| Chemicals not elsewhere classified..... | 541 | 53,190 | 27 | 221,453 | 18 | 476,503 | 18 | 265,049 | 17 |
| Rubber tires and inner tubes..... | 44 | 52,676 | 28 | 136,892 | 31 | 298,313 | 27 | 159,921 | 23 |
| Confectionery..... | 1,418 | 50,609 | 29 | 114,164 | 39 | 244,688 | 37 | 97,669 | 39 |

TABLE 5.—RELATIVE IMPORTANCE OF LEADING INDUSTRIES, FOR THE UNITED STATES: 1933—Continued

| INDUSTRY | Number of establishments | WAGE EARNERS | | Cost of materials, fuel, and purchased electric energy | | VALUE OF PRODUCTS | | VALUE ADDED BY MANUFACTURE | |
|---|--------------------------|----------------------|------|--|------|-------------------------------|------|-------------------------------|------|
| | | Average for the year | Rank | Amount (thousands of dollars) | Rank | Amount (thousands of dollars) | Rank | Amount (thousands of dollars) | Rank |
| Industries reporting 25,000 to 50,000 wage earners, total. | 10, 196 | 622, 113 | | 1, 100, 846 | | 2, 506, 042 | | 1, 405, 196 | |
| Glass | 213 | 49, 797 | 30 | 63, 410 | 59 | 191, 948 | 40 | 128, 638 | 30 |
| Wooden goods | 344 | 48, 536 | 31 | 79, 021 | 47 | 150, 197 | 47 | 71, 176 | 44 |
| Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified | 875 | 47, 784 | 32 | 128, 356 | 34 | 239, 156 | 33 | 110, 800 | 34 |
| Boxes, paper, not elsewhere classified | 1, 104 | 47, 220 | 33 | 126, 326 | 35 | 223, 004 | 35 | 96, 679 | 40 |
| Rayon and allied products | 34 | 44, 306 | 34 | 44, 031 | 74 | 156, 832 | 45 | 112, 900 | 32 |
| Leather: tanned, curried, and finished | 374 | 44, 101 | 35 | 133, 177 | 32 | 237, 202 | 34 | 99, 025 | 38 |
| Printing and allied products (including general millwork), made in planing mills not elsewhere classified | 2, 356 | 35, 388 | 36 | 67, 880 | 57 | 124, 235 | 60 | 56, 355 | 57 |
| Rubber goods other than tires; inner tubes, and boots and shoes | 351 | 35, 205 | 37 | 57, 881 | 65 | 131, 411 | 57 | 73, 531 | 42 |
| Radio apparatus and phonographs | 156 | 32, 379 | 38 | 58, 521 | 64 | 121, 802 | 61 | 63, 281 | 52 |
| Hardware not elsewhere classified | 381 | 32, 550 | 39 | 30, 040 | 94 | 85, 077 | 78 | 55, 037 | 60 |
| Stamped ware, enameled ware, and metal stampings; enameling, japanning, and lacquering | 552 | 32, 302 | 40 | 54, 082 | 68 | 117, 372 | 64 | 62, 690 | 53 |
| Clay products (other than pottery) and nonclay refractories | 31, 944 | 31, 944 | 41 | 19, 994 | 118 | 64, 603 | 91 | 44, 009 | 70 |
| Ship and boat building, steel and wooden, including repair work | 30, 885 | 30, 885 | 42 | 31, 172 | 92 | 92, 696 | 72 | 61, 524 | 54 |
| Stoves and ranges (other than electric) and warm-air furnaces | 249 | 30, 383 | 43 | 46, 234 | 73 | 117, 737 | 63 | 71, 453 | 43 |
| Refrigerators and refrigerating and ice-making apparatus | 204 | 29, 385 | 44 | 68, 282 | 53 | 140, 782 | 50 | 71, 161 | 45 |
| Turpentine and resin | 843 | 26, 285 | 45 | 48, 282 | 207 | 16, 527 | 197 | 10, 145 | 185 |
| Gas, manufactured, illuminating and heating | 543 | 26, 260 | 46 | 79, 189 | 46 | 295, 400 | 29 | 216, 292 | 21 |
| Industries reporting 10,000 to 25,000 wage earners, total. | 35, 413 | 1, 011, 244 | | 4, 111, 474 | | 7, 230, 401 | | 3, 118, 927 | |
| Pottery, including porcelain ware | 281 | 23, 632 | 47 | 12, 179 | 154 | 43, 718 | 190 | 31, 539 | 91 |
| Engines, turbines, tractors, water wheels, and windmills | 177 | 23, 535 | 48 | 40, 464 | 79 | 91, 073 | 74 | 30, 397 | 65 |
| Liquors, malt | 525 | 23, 501 | 49 | 76, 194 | 50 | 342, 947 | 54 | 26, 000 | 45 |
| Tin cans and other tinware not elsewhere classified | 194 | 23, 343 | 50 | 137, 046 | 33 | 207, 946 | 38 | 76, 000 | 46 |
| Paints and other grain-mill products | 1, 992 | 23, 207 | 51 | 438, 671 | 9 | 574, 210 | 12 | 133, 329 | 28 |
| Paints and varnishes | 961 | 22, 880 | 52 | 153, 026 | 25 | 289, 442 | 31 | 136, 410 | 29 |
| Milling | 884 | 22, 574 | 53 | 34, 646 | 85 | 77, 347 | 81 | 49, 701 | 72 |
| Cigars | 27 | 22, 544 | 54 | 508, 500 | 5 | 637, 776 | 11 | 134, 216 | 23 |
| Steam and hot-water heating apparatus and steam fittings | 227 | 22, 301 | 55 | 20, 061 | 117 | 69, 234 | 86 | 49, 173 | 60 |
| Boxes, wooden, except cigar boxes | 595 | 21, 763 | 56 | 29, 056 | 97 | 54, 966 | 103 | 26, 933 | 109 |

TABLE 5.--RELATIVE IMPORTANCE OF LEADING INDUSTRIES, FOR THE UNITED STATES: 1933--Continued

| INDUSTRY | Number of establishments | WAGE EARNERS | | Cost of materials, fuel, and purchased electric energy | | VALUE OF PRODUCTS | | VALUE ADDED BY MANUFACTURE | |
|--|--------------------------|----------------------|------|--|------|-------------------------------|------|-------------------------------|------|
| | | Average for the year | Rank | Amount (thousands of dollars) | Rank | Amount (thousands of dollars) | Rank | Amount (thousands of dollars) | Rank |
| Industries reporting 10,000 to 25,000 wage earners--Continued | | | | | | | | | |
| Cash registers and adding, calculating, and card-tabulating machines..... | 40 | 10,908 | 103 | 5,869 | 213 | 42,023 | 122 | 36,164 | 82 |
| Cutlery (not including silver and plated cutlery) and edge tools..... | 200 | 10,807 | 104 | 8,647 | 184 | 38,718 | 134 | 30,071 | 94 |
| Sugar, beet..... | 84 | 10,706 | 105 | 76,127 | 51 | 127,133 | 59 | 51,006 | 64 |
| Food preparations not elsewhere classified..... | 802 | 10,664 | 106 | 100,669 | 40 | 162,754 | 46 | 52,144 | 63 |
| Paper, other than paper, not made in textile mills..... | 169 | 10,543 | 107 | 69,557 | 54 | 92,115 | 73 | 22,578 | 119 |
| Lighting units..... | 357 | 10,538 | 108 | 19,241 | 119 | 46,173 | 111 | 26,993 | 105 |
| Textile mill machinery, not made in boot and shoe factories..... | 323 | 10,254 | 109 | 18,247 | 124 | 37,014 | 138 | 18,767 | 136 |
| Steel machine products and wood screws..... | 255 | 10,236 | 110 | 13,485 | 146 | 33,449 | 146 | 19,964 | 130 |
| Shoes..... | 112 | 10,223 | 111 | 82,946 | 43 | 131,935 | 56 | 48,988 | 67 |
| Tobacco: Chewing and smoking, and snuff..... | | | | | | | | | |
| All other industries (reporting less than 10,000 wage earners), total.. | 27,161 | 674,222 | | 2,337,111 | | 4,360,593 | | 2,053,422 | |

GENERAL SUMMARY

TABLE 6.—SUMMARY FOR INDUSTRIAL AREAS: 1933

[See Ch. I, sec. 28]

| | Popula- tion, 1930 | Num- ber of estab- lish- ments | Wage earners (average for the year) | Wages | Cost of materials, containers, fuel, and purchased electric energy ¹ | Value of products ¹ | Value added by manufac- ture ² |
|---|-----------------------|--|---|-----------------|--|-----------------------------------|---|
| UNITED STATES..... | 122,775,046 | 141,769 | 6,055,736 | \$5,261,576,029 | \$16,820,821,977 | \$31,358,840,338 | \$14,538,018,361 |
| Industrial areas, total..... | 44,116,063 | 77,329 | 3,296,268 | 3,190,809,579 | 9,854,396,950 | 18,847,686,396 | 8,993,189,446 |
| New York City area (New York, Kings, Queens, Bronx, Richmond, and Westchester Counties, N. Y.; Bergen, Passaic, Hudson, Essex, Union, and Middlesex Counties, N. J.)..... | 10,160,159 | 24,012 | 620,814 | 695,160,054 | 2,116,776,719 | 4,284,825,626 | 2,168,048,807 |
| Chicago area (Cook, Lake, Kane, Du Page, and Will Counties, Ill.; Lake County, Ind.)..... | 4,675,877 | 8,316 | 332,862 | 341,563,596 | 1,171,675,130 | 2,186,230,353 | 1,014,555,223 |
| Philadelphia area (Philadelphia, Delaware, Chester, Montgomery, and Bucks Counties, Pa.; Camden, Burlington, and Gloucester Counties, N. J.)..... | 3,137,040 | 5,128 | 261,599 | 243,138,341 | 708,177,233 | 1,397,414,432 | 689,237,199 |
| Detroit area (Wayne, Essex, Middlesex, and Litchfield Counties, Mich.)..... | 2,611,920 | 5,189 | 203,064 | 190,852,205 | 481,746,331 | 993,232,820 | 511,467,469 |
| Pittsburgh area (Allegheny, Beaver, Westmoreland, and Washington Counties, Pa.)..... | 2,100,197 | 2,005 | 202,950 | 218,714,818 | 764,203,901 | 1,344,856,272 | 580,645,371 |
| Providence-Fall River-New Bedford area (Providence County, R. I.; Bristol County, Mass.)..... | 2,023,269 | 1,798 | 143,421 | 126,943,718 | 383,985,818 | 654,016,651 | 270,030,883 |
| Cleveland area (Cuyahoga and Lorain Counties, Ohio)..... | 904,606 | 1,806 | 136,648 | 108,500,175 | 213,449,498 | 446,069,023 | 227,619,525 |
| St. Louis area (St. Louis city and St. Louis County, Mo.; Madison and St. Clair Counties, Ill.)..... | 1,310,661 | 2,694 | 113,611 | 107,795,030 | 291,502,523 | 563,756,940 | 272,284,417 |
| Bridgeport-New Haven-Waterbury area (New Haven and Fairfield Counties, Conn.)..... | 1,395,168 | 2,302 | 102,354 | 92,396,492 | 370,111,344 | 664,684,124 | 294,472,780 |
| Milwaukee area (Racine and Kenosha Counties, Wis.)..... | 850,151 | 1,358 | 97,748 | 85,375,832 | 165,095,817 | 366,600,100 | 201,594,233 |
| Baltimore area (Baltimore city and Baltimore County, Md.)..... | 878,757 | 1,480 | 85,041 | 72,085,610 | 188,274,489 | 383,687,335 | 196,416,946 |
| Los Angeles area (Los Angeles County, Calif.)..... | 929,439 | 1,790 | 72,634 | 65,924,031 | 232,068,179 | 419,870,301 | 187,782,122 |
| <i>Manufacturing and printing and publishing industries and motion-picture production (not including distribution and projection in theaters), total.....</i> | 2,208,422 | 3,507 | 79,558 | 86,907,124 | 324,709,150 | 635,019,876 | 301,812,186 |
| Manufacturing and printing and publishing industries..... | 2,208,422 | 3,563 | 70,531 | 70,847,105 | 317,614,507 | 536,170,869 | 220,556,362 |
| Cincinnati area (Cincinnati and Hamilton and Butler Counties, Ohio; Campbell and Kenton Counties, Ky.)..... | 911,787 | 1,388 | 68,744 | 71,281,271 | 231,380,491 | 510,054,740 | 228,674,249 |
| San Francisco-Oakland area (San Francisco, Alameda, Contra Costa, San Mateo, and Marin Counties, Calif.)..... | 870,365 | 1,619 | 68,257 | 64,608,284 | 220,758,531 | 396,242,147 | 175,488,616 |
| Worcester area (Worcester County, Mass.)..... | 1,306,933 | 2,649 | 66,313 | 71,108,813 | 366,261,604 | 598,200,815 | 282,039,211 |
| Yonkers area (Mahoning and Trumbull Counties, Ohio; Mercer and Lawrence Counties, Pa.)..... | 491,242 | 1,000 | 63,523 | 55,800,146 | 106,678,796 | 228,961,294 | 122,282,498 |
| | 555,709 | 397 | 54,322 | 48,042,294 | 181,207,153 | 278,519,413 | 97,312,260 |

For footnotes, see end of table.

TABLE 6.—SUMMARY FOR INDUSTRIAL AREAS: 1933—Continued

| | Popula- tion, 1930 | Num- ber of estab- lish- ments | Wage earners (average for the year) | Wages | Cost of materials, containers, fuel, and purchased electric energy | Value of products ¹ | Value added by manufac- ture ² |
|--|-----------------------|--|---|--------------|---|-----------------------------------|---|
| Akron area (Summit County, Ohio)..... | 344,131 | 257 | 43,921 | \$40,061,724 | \$100,759,960 | \$236,627,136 | \$135,807,176 |
| Barford area (Barford County, Conn.)..... | 421,097 | 566 | 43,379 | 37,953,533 | 49,380,733 | 138,310,290 | 88,929,507 |
| Minneapolis-St. Paul area (Hennepin, Ramsey, and Dakota Counties, Minn.)..... | 859,098 | 1,489 | 42,991 | 40,480,713 | 171,486,241 | 309,974,400 | 138,498,159 |
| Altoona-Bethlehem area (Northampton and Lehigh Counties, Pa.)..... | 342,197 | 380 | 42,230 | 23,913,304 | 68,866,196 | 140,418,839 | 71,562,643 |
| Wheeling area (Lincoln, Boone, and Ohio Counties, W. Va.; Belmont, Co- lumbia, and Jackson Counties, Ohio)..... | 294,761 | 376 | 38,132 | 30,704,349 | 102,655,180 | 169,897,529 | 07,242,343 |
| Rochester area (Monroe County, N. Y.)..... | 423,881 | 704 | 37,894 | 30,384,060 | 61,692,953 | 176,321,762 | 114,389,409 |
| Reading area (Berks County, Pa.)..... | 231,717 | 433 | 35,745 | 27,833,144 | 41,826,565 | 96,878,687 | 52,286,659 |
| Seranton-Wilkes-Barre area (Luzerne and Lackawanna Counties, Pa.)..... | 755,506 | 640 | 35,030 | 24,883,163 | 43,041,492 | 96,878,687 | 56,887,379 |
| Springfield-Holyoke area (Hampton County, Mass.)..... | 335,496 | 565 | 34,824 | 31,782,107 | 63,841,407 | 141,168,689 | 77,828,282 |
| Albany-Schenectady-Troy area (Albany, Schenectady, and Rensselaer Counties, N. Y.)..... | 456,755 | 513 | 34,000 | 31,961,176 | 65,792,075 | 144,619,144 | 78,827,069 |
| Kansas City area (Jackson and Clay Counties, Mo.; Wyandotte County, Kans.)..... | 638,476 | 875 | 33,643 | 32,678,653 | 220,054,911 | 323,349,655 | 103,264,744 |
| Indianapolis area (Marion County, Ind.)..... | 422,666 | 634 | 31,286 | 28,493,920 | 80,402,660 | 163,139,083 | 87,737,414 |
| Dayton area (Montgomery County, Ohio)..... | 273,481 | 389 | 21,739 | 20,443,017 | 47,506,516 | 149,594,240 | 94,994,730 |
| Toledo area (Lucas County, Ohio)..... | 347,709 | 470 | 28,687 | 26,251,513 | 92,302,200 | 161,721,241 | 69,319,041 |
| Seattle-Tacoma area (King and Pierce Counties, Wash.)..... | 627,359 | 1,116 | 26,386 | 26,836,233 | 79,120,329 | 148,079,119 | 65,968,780 |

¹ See Ch. I, sec. 18.² Value of products less cost of materials, containers, fuel, and purchased electric energy. See Ch. I, sec. 20.³ Motion-picture production is not now treated as a manufacturing industry; but, because of its importance in the Los Angeles area, separate totals including data for this industry are given.